TS

Worklist: 3929

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION	
M2019-5224	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	||||‖‖‖‖‖‖‖‖‖‖
M2019-5430	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	||||‖‖‖‖‖‖‖‖‖‖
M2019-5533	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	||||‖‖‖‖‖‖‖‖‖‖
M2019-5604	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	||||‖‖‖‖‖‖‖‖‖‖
M2019-5651	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	||||‖‖‖‖‖‖‖‖‖‖
P2019-3480	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	||||‖‖‖‖‖‖‖‖‖‖
P2019-3584	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	||||‖‖‖‖‖‖‖‖‖‖
P2019-3615	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	||||‖‖‖‖‖‖‖‖‖‖
P2019-3682	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	||||‖‖‖‖‖‖‖‖‖‖
P2019-3690	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	||||‖‖‖‖‖‖‖‖‖‖
P2019-3691	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	||||‖‖‖‖‖‖‖‖‖‖
P2019-3719	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	||||‖‖‖‖‖‖‖‖‖‖
P2019-3720	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	||||‖‖‖‖‖‖‖‖‖‖
P2019-3762	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	||||‖‖‖‖‖‖‖‖‖‖
P2019-3766	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	||||‖‖‖‖‖‖‖‖‖‖
P2019-3769	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	||||‖‖‖‖‖‖‖‖‖‖
P2019-3792	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	||||‖‖‖‖‖‖‖‖‖‖
P2019-3841	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	||||‖‖‖‖‖‖‖‖‖‖
P2019-3842	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	||||‖‖‖‖‖‖‖‖‖‖
P2019-3860	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	||||‖‖‖‖‖‖‖‖‖‖
P2019-3874	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	||||‖‖‖‖‖‖‖‖‖‖

Worklist: 3929

LAB CASE	ITEM	ITEM TYPE	DESCRIPTION
P2019-3885	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ

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

Extraction Date: 01/08/2020
Plate lot#: Item #:IDP-111 Lot:190729

Analyst: Tamara Salazar
Plate Expiration: 01/29/20

Mobile phase A: 5mM Amm Form + 0.01% FA
  0.5M Ammonium Hydroxide
Blank Blood Lot: 445283-3
LCMS-QQQ ID: 069901

Mobile phase B: 0.01% Formic Acid in MeOH
Ethyl Acetate   20% Methanol in Water
Column: Agilent 120 EC-C18 (2.1x 100-2.7um)

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

Analytic:
☒ 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
☒ 2. Pipette **250µL blood (calibrated pipette) Pipette ID: 42** in wells of analytical (standards) plate.
☒ 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. *Shaker ID: 067105*
☒ 4. Pipette **250µL 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\ 010820 AM 28 wklst 3929 TS*
   Batch Name: *MDQ P1 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 5-250, Dihydrocodeine 5-500, Lamotrigine 5-250, Lorazepam 5-100, Meprobamate 5-250, Methamphetamine 5-500, Mitragynine 5-500, Norfentanyl 5-500, Norhydrocodone 5-100, Phentermine 5-500, Trazodone 5-500*
Mirtazapine cal 3 dropped—peak appears to be cut off

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\AM 27-28\ 010820 AM 28 wklst 3929 TS\QuantResults\MDQ P1 TS.batch.bin
Calibration Last Update 1/9/2020 9:19:53 AM

Instrument	Falco	**Data File**	p1 Negative.d
Type	Sample	**Sample**	p1 Negative
Acq. Method	MDQ P1 Combined 092319.m	**Operator**	Tamara Salazar
Sample Position	P2-D11	**Comment**	
Injection Volume	2		
Acq. Date-Time	1/9/2020 12:16:27 AM		
Sample Info.			

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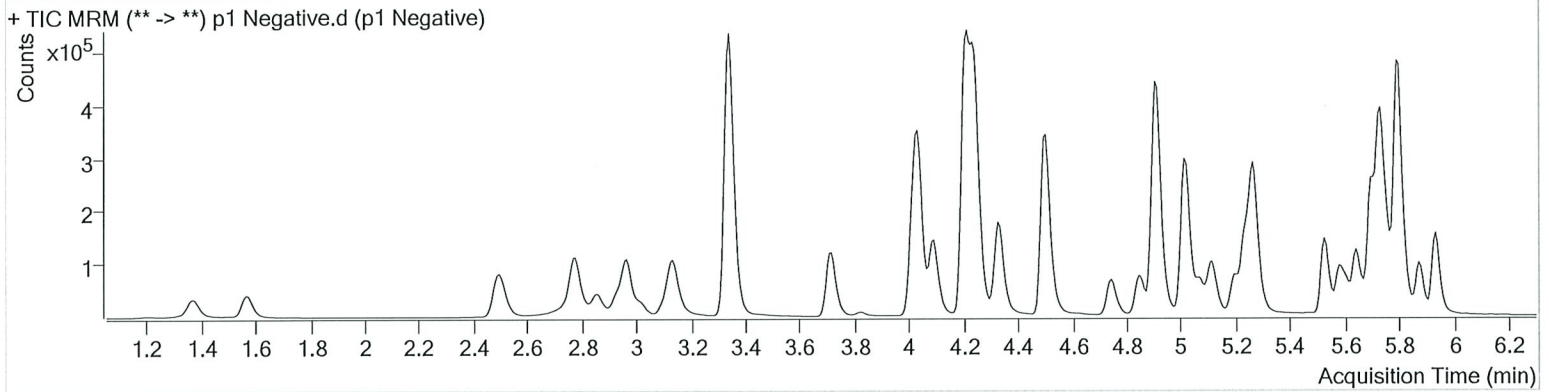
+ TIC MRM (** -> **) p1 Negative.d (p1 Negative)

AM #28 Multi-Drug Quant. Results

Batch results   D:\MassHunter\Data\2020\AM 27-28\ 010820 AM 28 wklst 3929 TS\QuantResults\MDQ P1 TS.batch.bin
Calibration Last Update   1/9/2020 9:19:53 AM

Instrument	Falco	**Data File**	p1 QC 10.d
Type	QC	**Sample**	p1 QC 10
Acq. Method	MDQ P1 Combined 092319.m	**Operator**	Tamara Salazar
Sample Position	P2-H11	**Comment**	
Injection Volume	2		
Acq. Date-Time	1/8/2020 10:41:10 PM		
Sample Info.			

Sample Chromatogram

+ TIC MRM (** -> **) p1 QC 10.d (p1 QC 10)
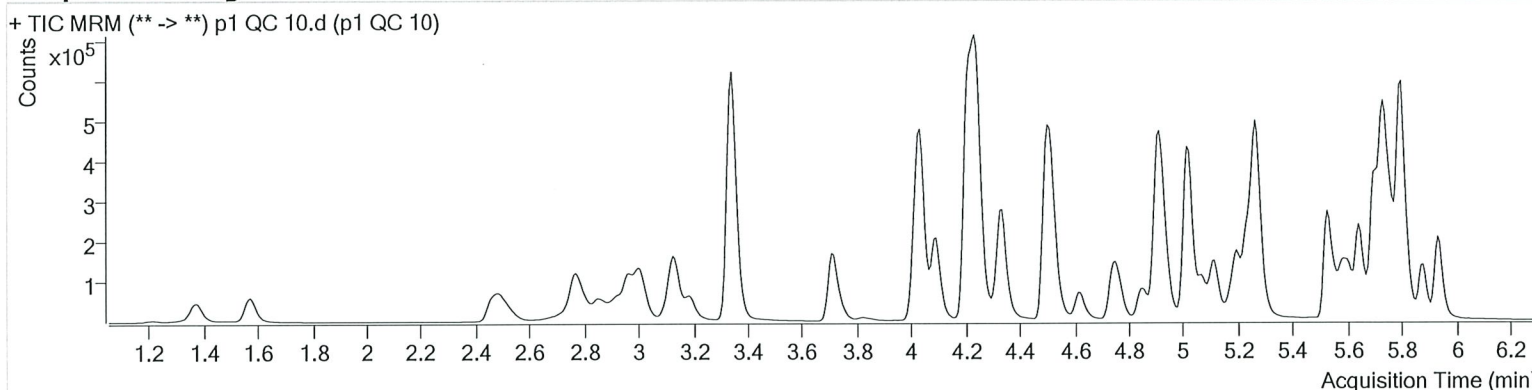
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.109	2218	163.19	71.5	366.95	46303	1.0227 ng/ml
7-aminoclonazepam	4.237	46050	681.95	82.1	150.68	190041	9.8197 ng/ml
a-hydroxyalprazolam	5.680	9934	233.33	73.7	504.72	54606	9.7525 ng/ml
alpha-PVP	4.344	114201	1713.17	50.3	1517.95	515902	9.8850 ng/ml
Alprazolam	5.756	90630	1475.22	103.6	663.13	217401	9.8001 ng/ml
Amphetamine	3.007	173938	1372.89	54.0	1787.10	181565	10.3618 ng/ml
Benzoylecgonine	3.847	3947	62.55	8.2	22.16	16933	10.3681 ng/ml
Buprenorphine	5.882	3106	90.63	14.8	88.08	111658	0.9926 ng/ml
Bupropion	4.766	88994	5843.11	57.8	1344.04	304144	9.9241 ng/ml
Carisoprodol	5.705	74442	774966.10	53.9	840.58	359118	10.2051 ng/ml
Citalopram	5.195	58408	357.19	41.1	7538.03	258779	10.3806 ng/ml
Clonazepam	5.586	69621	3039.38	32.0	722.93	121168	10.3891 ng/ml
Cocaine	4.237	121298	5524.55	44.0	4998.36	937177	10.0147 ng/ml
Codeine	2.536	15008	1047.34	103.7	1274.04	65183	10.1735 ng/ml
Cyclobenzaprine	5.610	40077	3257.06	10.5	145.69	145441	10.2634 ng/ml
Dextromethorphan	5.245	27953	285.17	79.5	72.84	127756	10.0205 ng/ml
Dextrorphan	4.093	28260	3565.42	210.8	1159.96	368440	10.3753 ng/ml
Diazepam	5.941	64988	489.11	88.7	444.13	298314	10.3468 ng/ml
Dihydrocodeine	2.508	35816	326.54	68.2	562.90	199560	9.8614 ng/ml
Diphenhydramine	5.272	125442	652.39	32.9	597.65	880462	10.5152 ng/ml
Doxylamine	4.514	246619	5303.80	95.1	2701.04	1031825	9.2430 ng/ml
EDDP	5.237	49156	980.84	42.5	952.26	265504	10.1017 ng/ml
Fentanyl	5.086	3781	96.57	69.7	429.20	204633	1.0153 ng/ml
Fluoxetine	5.702	53116	1913.60	9.0	769.63	206509	10.9212 ng/ml
Hydrocodone	2.991	41560	267.74	39.7	155.25	267372	10.5887 ng/ml
Hydromorphone	1.581	32917	527.52	78.3	631.31	123655	9.7759 ng/ml
Ketamine	4.033	106816	1900.25	36.9	132.35	472655	10.1841 ng/ml
Lamotrigine	4.254	10716	∞	80.2	3434.21	472655	10.3918 ng/ml
Lorazepam	5.728	74077	∞	55.1	897.06	121168	10.3918 ng/ml
Meprobamate	4.875	34869	1295.67	26.8	355.36	179336	10.1185 ng/ml
Methadone	5.648	72936	685.34	56.2	1549.76	340942	10.2540 ng/ml
Methamphetamine	3.188	98439	2246.32	42.1	1957.09	377088	10.2914 ng/ml
Metoprolol	4.306	19619	1613.80	100.0	985.52	1168826	9.8001 ng/ml

AM #28 Multi-Drug Quant. Results

| Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.616	111023	6701.91	49.8	5295.83	515902	7.8186 ng/ml
Mitragynine	5.220	13031	946.45	39.7	5454.41	340942	9.7413 ng/ml
Morphine	1.220	3863	4185.42	23.0	446.51	4079	9.8434 ng/ml
Norbuprenorphine	4.970	289	46.13	80.0	15.99	11041	1.0781 ng/ml
Nordiazepam	5.881	60770	941.18	56.0	613.40	183493	10.4164 ng/ml
Norfentanyl	4.061	16086	2292.56	37.8	207.72	753262	0.9237 ng/ml
Norhydrocodone	3.039	765	31.26	40.3	23.68	46012	8.8325 ng/ml
Noroxycodone	2.876	41094	544.87	48.3	1343.14	128597	9.8083 ng/ml
O-desmethyl-tramadol	3.348	243348	2809.15	6.0	∞	1285902	10.1090 ng/ml
Oxazepam	5.738	105807	∞	72.8	∞	666860	9.9516 ng/ml
Oxycodone	2.800	85845	1153.13	32.2	963.45	389046	10.5351 ng/ml
Oxymorphone	1.376	32380	318.90	48.5	284.10	115756	9.8183 ng/ml
Phentermine	3.745	36060	838.02	2.5	∞	435207	10.0322 ng/ml
Promethazine	5.527	88629	673.18	31.4	356.01	386807	10.3877 ng/ml
Quetiapine	5.558	79219	11362.88	57.4	2155.91	95935	10.3255 ng/ml
Sertraline	5.770	33937	257.45	91.9	1213.34	141187	10.2133 ng/ml
Temazepam	5.805	177648	370.32	30.4	373.45	923671	10.5334 ng/ml
Tramadol	4.219	240950	15940.43	3.4	34.92	1168826	10.7068 ng/ml
Trazodone	5.174	82183	3880.03	78.7	1140.04	345323	10.2001 ng/ml
Venlafaxine	5.020	157650	1464.03	37.4	531.06	851892	9.9914 ng/ml
Zolpidem	4.932	235240	303.54	30.9	498.63	1093264	10.4187 ng/ml

# AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\AM 27-28\ 010820 AM 28 wklst 3929 TS\QuantResults\MDQ P1 TS.batch.bin
Calibration Last Update 1/9/2020 9:19:53 AM

Instrument	Falco	**Data File**	p1 QC 100.d
Type	QC	**Sample**	p1 QC 100
Acq. Method	MDQ P1 Combined 092319.m	**Operator**	Tamara Salazar
Sample Position	P2-G11	**Comment**	
Injection Volume	2		
Acq. Date-Time	1/8/2020 11:02:21 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	22552	2638.98	70.5	2650.90	49416	9.9837 ng/ml
7-aminoclonazepam	4.231	385351	17674.11	81.4	727.86	168805	102.5023 ng/ml
a-hydroxyalprazolam	5.680	90040	407.96	67.8	717.72	50936	99.4660 ng/ml
alpha-PVP	4.337	1165846	76020.59	50.8	∞	541158	96.0535 ng/ml
Alprazolam	5.756	773631	2212.42	103.8	2301.47	194799	99.6989 ng/ml
Amphetamine	3.014	1424332	43241.18	57.2	14732.63	183600	93.4935 ng/ml
Benzoylecgonine	3.847	41314	3611.46	7.6	188.08	17175	94.8478 ng/ml
Buprenorphine	5.882	48302	897.20	16.1	14408.29	179240	10.2928 ng/ml
Bupropion	4.766	956845	40269.34	58.6	2361.32	336205	103.6166 ng/ml
Carisoprodol	5.705	581387	505603.43	55.0	1208.40	298275	100.3333 ng/ml
Citalopram	5.195	796117	1674.74	42.0	1733.40	367897	96.6667 ng/ml
Clonazepam	5.586	577554	43125.23	32.6	3860.29	108630	103.7670 ng/ml
Cocaine	4.237	1122071	83621.58	44.3	108860.25	899065	94.1859 ng/ml
Codeine	2.550	142509	2435.59	103.8	13038.21	62175	106.7891 ng/ml
Cyclobenzaprine	5.610	644962	18840.35	10.2	∞	249615	96.6533 ng/ml
Dextromethorphan	5.245	438952	3312.09	80.0	7205.55	210115	96.6163 ng/ml
Dextrorphan	4.093	301631	3943.32	210.0	35743.67	401015	101.3218 ng/ml
Diazepam	5.941	582587	2099.80	86.4	1428.46	278501	101.9619 ng/ml
Dihydrocodeine	2.521	348340	2073.10	67.7	1122.15	200787	103.0218 ng/ml
Diphenhydramine	5.272	1820912	930.97	33.0	1338.03	1339521	97.7576 ng/ml
Doxylamine	4.514	2601710	15555.52	96.9	174568.95	1124493	109.8221 ng/ml
EDDP	5.237	776626	2362.79	43.0	2100.34	441633	98.0324 ng/ml
Fentanyl	5.086	67505	∞	67.5	192768.11	382443	9.8401 ng/ml
Fluoxetine	5.702	821349	46810.10	8.8	946.51	360445	96.7616 ng/ml
Hydrocodone	2.991	391024	∞	40.2	390.37	280167	104.1107 ng/ml
Hydromorphone	1.581	314618	1269.13	78.1	1452.09	121997	98.1265 ng/ml
Ketamine	4.033	1024416	4505.24	38.4	2910.63	479831	103.9893 ng/ml
Lamotrigine	4.254	95517	3886.54	79.6	25105.92	479831	100.6858 ng/ml
Lorazepam	5.728	480290	10995.20	57.6	3905.81	108630	91.4834 ng/ml
Meprobamate	4.868	295660	3284.06	26.4	7443.22	164347	100.4502 ng/ml
Methadone	5.648	1155848	2803.93	54.6	∞	558929	96.0738 ng/ml
Methamphetamine	3.188	883100	58213.70	42.1	15383.00	372583	102.4017 ng/ml
Metoprolol	4.299	208244	7998.40	96.6	6968.97	1185513	108.5910 ng/ml

AM #28 Multi-Drug Quant. Results

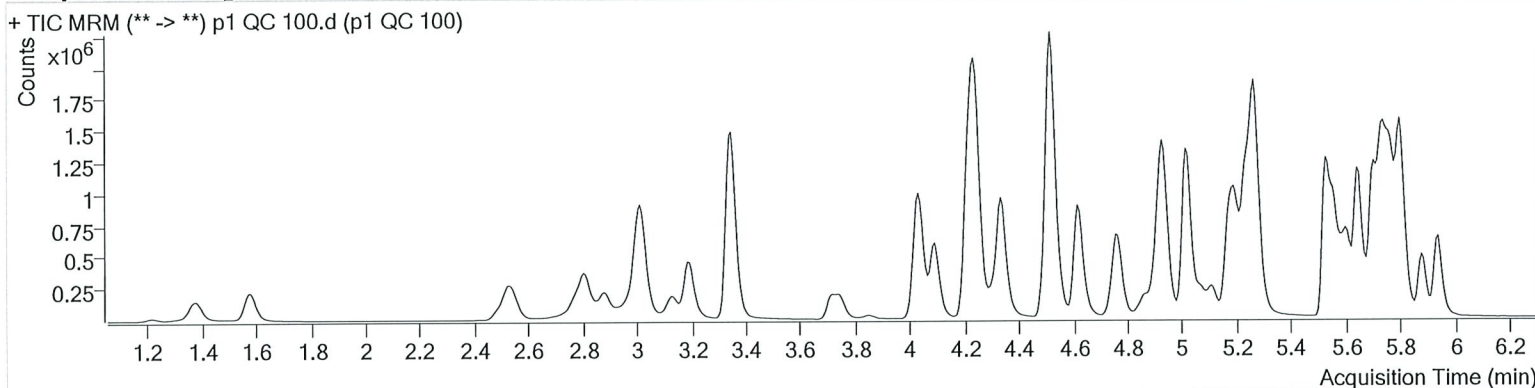| Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.616	1478985	291413.21	49.6	∞	541158	94.6074 ng/ml
Mitragynine	5.220	204008	43869.30	38.5	16489.81	558929	103.4857 ng/ml
Morphine	1.220	38576	6646.12	22.4	2382.85	4159	100.6830 ng/ml
Norbuprenorphine	4.970	3894	923.82	81.5	249.38	17684	10.5448 ng/ml
Nordiazepam	5.881	529887	10909.82	57.1	2138.85	168620	103.5956 ng/ml
Norfentanyl	4.061	168462	2197.20	36.3	322.35	735020	9.5287 ng/ml
Norhydrocodone	3.039	8685	151.68	36.2	315.96	38503	107.5668 ng/ml
Noroxycodone	2.883	388649	824.72	49.0	4648.14	121549	100.9955 ng/ml
O-desmethyl-tramadol	3.348	2377212	∞	6.0	7739.00	1279813	101.2246 ng/ml
Oxazepam	5.738	801235	∞	69.1	∞	513337	104.7206 ng/ml
Oxycodone	2.800	849840	9544.68	31.5	8035.18	395481	106.4154 ng/ml
Oxymorphone	1.376	305812	∞	48.5	584.40	112119	99.2055 ng/ml
Phentermine	3.745	361867	5102.55	2.6	1019.31	467759	102.7664 ng/ml
Promethazine	5.527	1519848	81478.29	30.5	949.71	699306	97.3973 ng/ml
Quetiapine	5.558	959652	198412.84	60.3	1576.10	120087	97.7966 ng/ml
Sertraline	5.770	507377	935.06	91.3	1090.79	226219	93.8489 ng/ml
Temazepam	5.805	1563677	1836.45	29.9	446.60	851356	100.6500 ng/ml
Tramadol	4.219	2261547	88959.37	3.4	607.52	1185513	109.1443 ng/ml
Trazodone	5.174	1160048	192643.13	78.0	1354.14	522617	100.9607 ng/ml
Venlafaxine	5.013	1740480	2015.19	36.9	3630.80	943987	97.0113 ng/ml
Zolpidem	4.932	2329090	139845.40	30.9	1301.58	1133996	105.3609 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\AM 27-28\ 010820 AM 28 wklst 3929 TS\QuantResults\MDQ P1 TS.batch.bin
Calibration Last Update 1/9/2020 9:19:53 AM

Instrument	Falco	**Data File**	p1 QC 250.d
Type	QC	**Sample**	p1 QC 250
Acq. Method	MDQ P1 Combined 092319.m	**Operator**	Tamara Salazar
Sample Position	P2-F11	**Comment**	
Injection Volume	2		
Acq. Date-Time	1/8/2020 11:23:31 PM		
Sample Info.			

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	56184	1656.54	73.1	2266.41	48276	25.5029 ng/ml
7-aminoclonazepam	4.237	705022	20982.97	82.7	285.36	138060	230.7638 ng/ml
a-hydroxyalprazolam	5.680	190513	2830.43	67.9	1234.23	42519	252.9513 ng/ml
alpha-PVP	4.344	2555210	2990.53	49.9	2095.30	467079	243.8854 ng/ml
Alprazolam	5.756	1622014	∞	103.5	2215.46	159322	256.7389 ng/ml
Amphetamine	3.014	2695450	114811.56	52.8	∞	151364	216.3594 ng/ml
Benzoylecgonine	3.847	110370	4527.64	7.6	501.42	17366	248.4573 ng/ml
Buprenorphine	5.882	83667	∞	16.2	24266.49	127802	25.1160 ng/ml
Bupropion	4.766	1941761	1904.73	58.1	1077314.40	270749	262.3432 ng/ml
Carisoprodol	5.705	1122221	10829.16	53.6	11344.80	227015	255.2606 ng/ml
Citalopram	5.195	1452361	8618.16	40.9	1886.83	264009	245.2301 ng/ml
Clonazepam	5.586	1118627	2926.08	33.2	5444.04	88678	247.4684 ng/ml
Cocaine	4.237	2458093	469144.60	43.7	75325.49	762190	242.9471 ng/ml
Codeine	2.550	312244	19853.01	103.7	10715.96	56557	258.0867 ng/ml
Cyclobenzaprine	5.610	1112117	45863.22	10.2	1171.20	169440	245.5972 ng/ml
Dextromethorphan	5.245	732557	19708.77	78.8	2921.77	136544	248.2905 ng/ml
Dextrorphan	4.093	650815	357262.83	211.3	3962.19	339291	258.3139 ng/ml
Diazepam	5.941	1232467	1426.54	86.8	∞	237554	253.3302 ng/ml
Dihydrocodeine	2.521	810957	7361.27	67.5	1817.42	198495	243.8143 ng/ml
Diphenhydramine	5.272	3313621	∞	32.9	1424.64	950244	250.3007 ng/ml
Doxylamine	4.514	6039110	521243.10	95.7	1779770.05	1039640	279.2674 ng/ml
EDDP	5.237	1709738	32804.96	42.6	46459.31	376344	253.6468 ng/ml
Fentanyl	5.086	124937	4720.36	64.7	∞	265808	26.2307 ng/ml
Fluoxetine	5.702	1331898	2685.22	8.9	16963.79	229594	246.3351 ng/ml
Hydrocodone	2.991	857266	535.41	41.6	∞	265952	241.9310 ng/ml
Hydromorphone	1.581	733859	709.96	78.4	∞	113617	246.3579 ng/ml
Ketamine	4.033	2364201	2497.43	37.9	3904.03	453216	255.4146 ng/ml
Lamotrigine	4.261	191718	8113.34	80.0	80013.08	453216	215.3254 ng/ml
Lorazepam	5.728	670953	452.31	58.8	393.11	88678	158.4180 ng/ml ★
Meprobamate	4.875	585999	1029.71	26.3	563.58	151551	216.8534 ng/ml
Methadone	5.648	2075394	3994.83	52.8	39521.95	391595	245.6708 ng/ml
Methamphetamine	3.188	1664476	43339.66	42.3	1280.91	290253	249.3294 ng/ml
Metoprolol	4.306	454409	88542.87	96.1	7885.23	1090650	258.4402 ng/ml

★ Outside curve range. - TS

AM #28 Multi-Drug Quant. Results

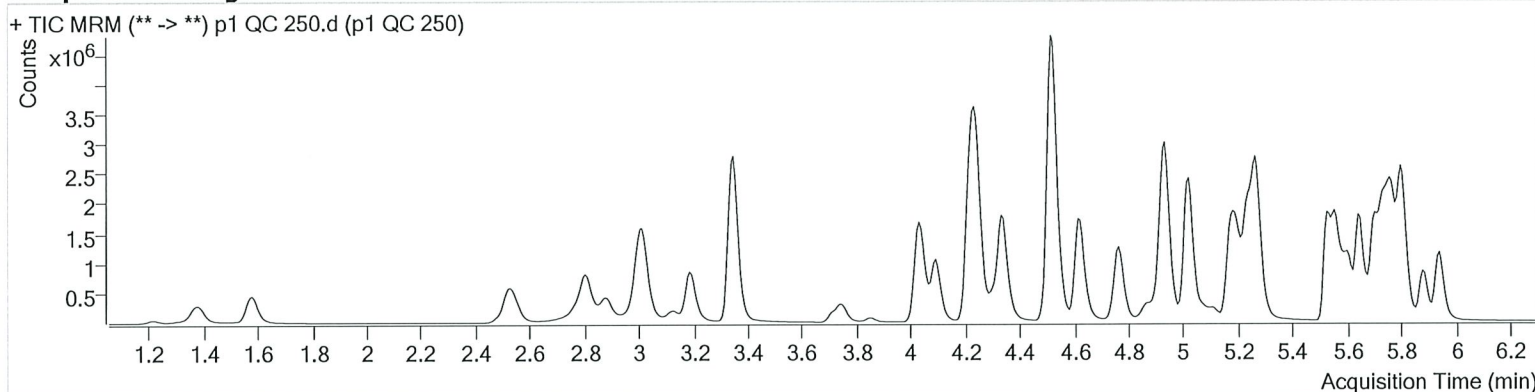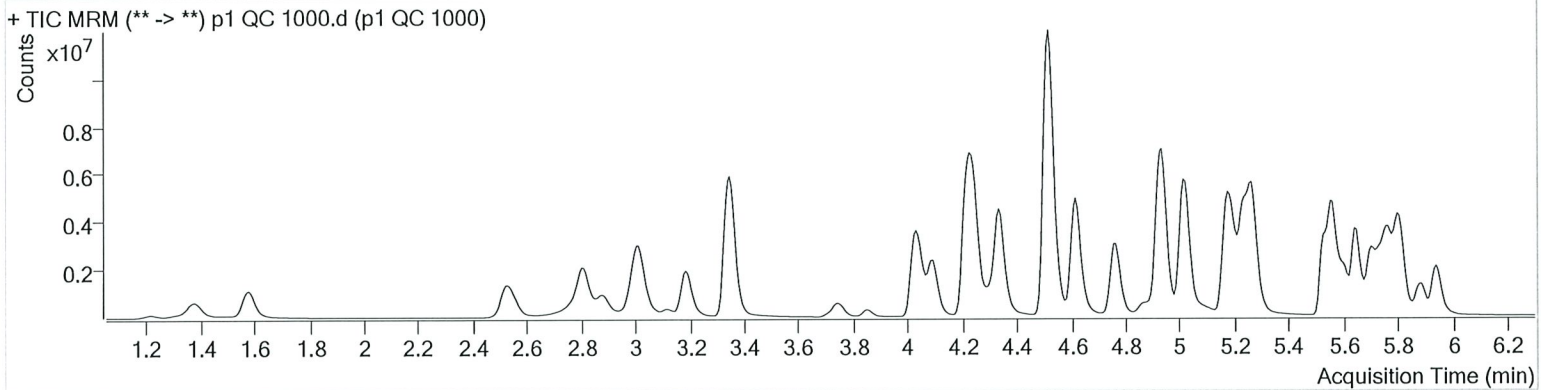| Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.616	2915525	15700.43	49.3	324682.45	467079	215.5647 ng/ml
Mitragynine	5.220	354613	44922.27	39.1	15349.20	391595	258.5595 ng/ml
Morphine	1.220	95991	1052.06	21.9	357.25	3985	262.2969 ng/ml
Norbuprenorphine	4.970	6626	4886.60	81.2	597.11	13018	24.6338 ng/ml
Nordiazepam	5.881	1068574	1457.48	56.1	7569.85	135224	261.3555 ng/ml
Norfentanyl	4.061	397165	30400.18	37.2	2597.93	634309	25.9629 ng/ml
Norhydrocodone	3.039	22244	362.63	38.3	216.67	33851	311.5109 ng/ml ★
Noroxycodone	2.876	844403	1007.53	47.8	1582.87	104969	254.5690 ng/ml
O-desmethyl-tramadol	3.348	5681429	469504.75	5.9	2064.38	1193683	259.7332 ng/ml
Oxazepam	5.738	1291008	36545.21	69.4	5559.48	342073	254.3074 ng/ml
Oxycodone	2.800	2069166	4056.86	31.8	22443.65	387961	264.7670 ng/ml
Oxymorphone	1.376	681346	∞	48.9	∞	99964	248.4980 ng/ml
Phentermine	3.745	717315	∞	2.4	803.89	388634	246.6966 ng/ml
Promethazine	5.527	2641045	2030.70	30.5	13828.09	481214	245.7493 ng/ml
Quetiapine	5.558	1971177	2271.31	60.1	206721.92	97594	246.8004 ng/ml
Sertraline	5.777	790531	1201.41	90.0	3670.15	136740	241.6332 ng/ml
Temazepam	5.805	3367666	31371.44	29.8	699.84	728796	253.2319 ng/ml
Tramadol	4.219	5054394	8468.04	3.3	1101.16	1090650	266.8891 ng/ml
Trazodone	5.174	2247036	112696.66	78.5	82080.61	404626	253.6408 ng/ml
Venlafaxine	5.020	3833297	94693.96	36.2	1843.89	810155	248.5139 ng/ml
Zolpidem	4.932	5618213	247161.58	30.4	145210.64	1097157	263.7175 ng/ml

★ Outside curve range. —TS

AM #28 Multi-Drug Quant. Results

TS

Batch results   D:\MassHunter\Data\2020\AM 27-28\ 010820 AM 28 wklst 3929 TS\QuantResults\MDQ P1 TS.batch.bin
Calibration Last Update   1/9/2020 9:19:53 AM

Instrument	Falco	**Data File**	p1 QC 1000.d
Type	QC	**Sample**	p1 QC 1000
Acq. Method	MDQ P1 Combined 092319.m	**Operator**	Tamara Salazar
Sample Position	P2-E11	**Comment**	
Injection Volume	2		
Acq. Date-Time	1/8/2020 11:44:41 PM		
Sample Info.			

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	203946	11169.17	70.9	66926.57	43612	102.5609 ng/ml
7-aminoclonazepam	4.237	926327	22664.12	81.9	15098.47	63743	658.8913 ng/ml ⭐
a-hydroxyalprazolam	5.673	378978	375.98	68.4	953.18	24161	886.8683 ng/ml
alpha-PVP	4.337	7296333	4518.00	49.9	4573.66	325727	998.5662 ng/ml
Alprazolam	5.756	3512329	2043.12	103.3	756.65	87951	1009.2601 ng/ml ⭐
Amphetamine	3.014	4619095	108936.40	57.0	133162.52	116009	485.4318 ng/ml ⭐
Benzoylecgonine	3.847	490963	57923.75	7.7	5904.44	16321	1171.1501 ng/ml
Buprenorphine	5.882	169798	1446.97	15.6	∞	69351	94.1454 ng/ml
Bupropion	4.766	5004332	342527.99	58.2	4187.13	179869	1020.0665 ng/ml
Carisoprodol	5.705	2075307	842.81	55.1	18330.89	113830	942.8257 ng/ml
Citalopram	5.195	3190437	1843.10	41.5	18793.11	141399	1004.7882 ng/ml
Clonazepam	5.586	2038217	18411.24	32.8	11367.76	43889	913.5382 ng/ml
Cocaine	4.237	6120383	316827.54	43.3	211095.81	465000	990.6726 ng/ml
Codeine	2.550	781760	∞	101.0	1304.72	37992	963.6067 ng/ml
Cyclobenzaprine	5.610	2132982	496720.24	10.2	6030.12	81433	980.2556 ng/ml
Dextromethorphan	5.245	1284900	44072.41	78.6	955.15	60398	984.8834 ng/ml
Dextrorphan	4.093	1757914	189295.26	210.4	71287.95	227416	1040.8261 ng/ml
Diazepam	5.941	2729838	6369.65	86.7	1377.32	139197	958.4355 ng/ml
Dihydrocodeine	2.521	2134738	60027.04	67.4	33337.18	180874	706.0135 ng/ml ⭐
Diphenhydramine	5.272	7643349	591555.97	32.8	27161.92	543256	1008.9744 ng/ml
Doxylamine	4.514	16953970	1271011.72	96.5	501912.73	874614	937.4121 ng/ml
EDDP	5.237	5639483	∞	41.8	2066.81	304998	1033.1016 ng/ml
Fentanyl	5.086	276379	28021.09	65.8	554236.52	149308	103.3503 ng/ml
Fluoxetine	5.702	2097598	468252.24	9.0	3657.53	89633	993.7361 ng/ml
Hydrocodone	2.991	2549250	837.40	41.1	331.59	227614	843.4099 ng/ml
Hydromorphone	1.581	2105817	∞	78.3	1017.78	84056	956.6672 ng/ml
Ketamine	4.033	6636901	253135.47	37.3	88152.91	356789	913.1583 ng/ml
Lamotrigine	4.261	357511	26169.52	78.6	73846.05	356789	511.7136 ng/ml ⭐
Lorazepam	5.728	802241	∞	59.7	1109.12	43889	386.4273 ng/ml ⭐
Meprobamate	4.875	1227869	70089.99	26.1	7506.06	107929	639.6382 ng/ml ⭐
Methadone	5.648	4750587	199611.99	53.4	3893.99	223526	984.1077 ng/ml
Methamphetamine	3.188	4029778	113713.21	42.4	∞	208073	844.6881 ng/ml ⭐
Metoprolol	4.299	1108555	96182.42	96.2	∞	809760	850.6356 ng/ml

p1 QC 1000   Generated at 9:21 AM on 1/9/2020

⭐ Outside curve range - TS

AM #28 Multi-Drug Quant. Results

TS

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.616	8580257	884520.81	49.4	295369.29	325727	908.4081 ng/ml
Mitragynine	5.214	660520	64677.48	39.4	34809.77	223526	846.4935 ng/ml ✳
Morphine	1.220	278196	∞	23.1	∞	3276	925.8972 ng/ml
Norbuprenorphine	4.970	15581	565.42	85.0	275.31	7452	101.8031 ng/ml
Nordiazepam	5.888	2005965	430.89	57.7	1633.54	70620	940.9135 ng/ml
Norfentanyl	4.061	1197552	∞	37.1	2366.23	353675	140.2276 ng/ml ✳
Norhydrocodone	3.039	118224	879.39	40.3	999.86	27827	2008.7250 ng/ml ✳
Noroxycodone	2.876	1933268	2583.76	49.1	7587.95	64981	942.3555 ng/ml
O-desmethyl-tramadol	3.348	15357026	542519.74	6.0	2286.30	827383	1013.5418 ng/ml
Oxazepam	5.731	1447441	5883.75	70.6	2266.45	113233	863.1873 ng/ml
Oxycodone	2.800	6335492	6002.59	31.7	4891.86	327352	961.9244 ng/ml
Oxymorphone	1.376	1870846	∞	48.1	3639.33	71697	952.4686 ng/ml
Phentermine	3.745	1613839	15091.38	2.4	2159.48	292877	738.6590 ng/ml ✳
Promethazine	5.527	5362469	3231.97	30.1	57180.60	237699	1009.7491 ng/ml
Quetiapine	5.558	6116332	158521.05	58.2	300879.75	77040	969.3878 ng/ml
Sertraline	5.777	1035619	2554.44	88.6	15044.07	44586	970.2788 ng/ml
Temazepam	5.805	7108181	483.14	29.7	5394.43	383076	1016.8980 ng/ml
Tramadol	4.213	12534162	∞	3.3	2149.84	809760	894.2816 ng/ml
Trazodone	5.174	7000706	240692.12	79.3	∞	367588	871.5470 ng/ml ✳
Venlafaxine	5.013	10996571	∞	36.2	1742.19	573654	1005.9617 ng/ml
Zolpidem	4.932	15345584	∞	30.9	∞	914545	865.7225 ng/ml

✳ Outside Curve Range. TS

Generated at 9:21 AM on 1/9/2020

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\ 010820 AM 28 wklst 3929 TS\QuantResults\MDQ P1 TS.batch.bin

Last Cal. Update 1/9/2020 9:19 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

$y = 0.045584 * x + 0.001290$
$R^2 = 0.99962590$
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	98.2
p1 Cal 2- 10ng	2	✓	1.0	1.0	103.5
p1 Cal 3 -25ng	3	✓	2.5	2.5	100.4
p1 Cal 4-50ng	4	✓	5.0	5.0	100.2
p1 Cal 5-100ng	5	✓	10.0	9.9	99.3
p1 Cal 6-250ng	6	✓	25.0	24.9	99.7
p1 Cal 7-500ng	7	✓	50.0	50.3	100.6
p1 Cal 8-1000ng	8	✓	100.0	98.2	98.2

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\ 010820 AM 28 wklst 3929 TS\QuantResults\MDQ P1 TS.batch.bin
Last Cal. Update	1/9/2020 9:19 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

$y = 0.022016 * x + 0.026124$
$R^2 = 0.98597793$
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	96.0
p1 Cal 2- 10ng	2	✓	10.0	10.3	102.7
p1 Cal 3 -25ng	3	✓	25.0	27.0	108.0
p1 Cal 4-50ng	4	✓	50.0	55.1	110.1
p1 Cal 5-100ng	5	✓	100.0	106.2	106.2
p1 Cal 6-250ng	6	✓	250.0	240.4	96.2
p1 Cal 7-500ng	7	✓	500.0	404.2	80.8
p1 Cal 8-1000ng	8	✕	1000.0	660.3	66.0

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\ 010820 AM 28 wklst 3929 TS\QuantResults\MDQ P1 TS.batch.bin

Last Cal. Update   1/9/2020 9:19 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

$y = 0.017676 * x + 0.009539$

$R^2 = 0.99736970$

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

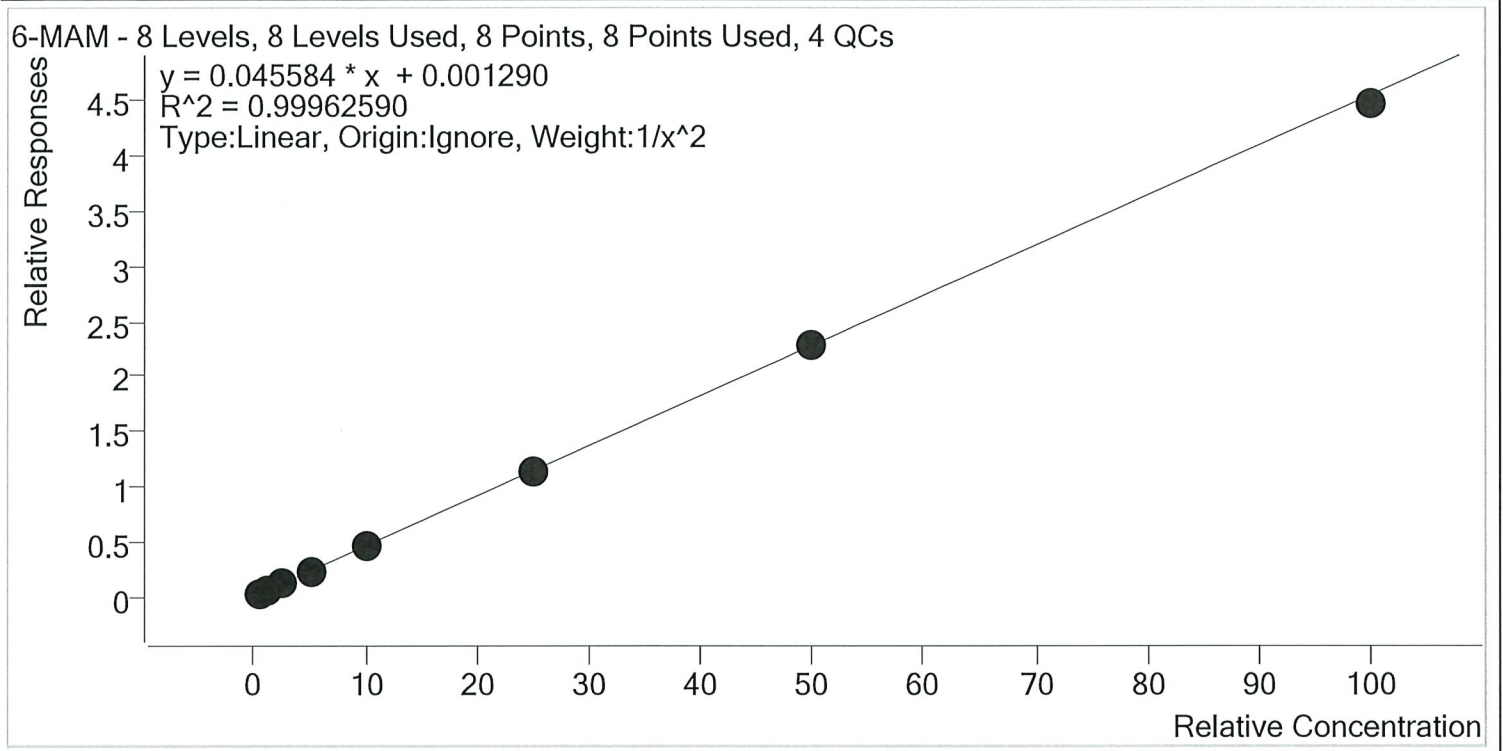| Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.1
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.5
p1 Cal 3 -25ng	3	✓	25.0	25.5	101.9
p1 Cal 4-50ng	4	✓	50.0	53.6	107.3
p1 Cal 5-100ng	5	✓	100.0	101.9	101.9
p1 Cal 6-250ng	6	✓	250.0	253.0	101.2
p1 Cal 7-500ng	7	✓	500.0	473.6	94.7
p1 Cal 8-1000ng	8	✓	1000.0	933.9	93.4

AM #28 Multi-Drug Quant. Calibration Curve Report

TS

Batch results   D:\MassHunter\Data\2020\AM 27-28\ 010820 AM 28 wklst 3929 TS\QuantResults\MDQ P1 TS.batch.bin

Last Cal. Update   1/9/2020 9:19 AM

Analyst Name   ISP\Datastor

Analyte   alpha-PVP   **Internal Standard**   alpha-PVP-d8

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

$y = 0.022433 * x - 3.851926E\text{-}004$

$R^2 = 0.99994025$

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

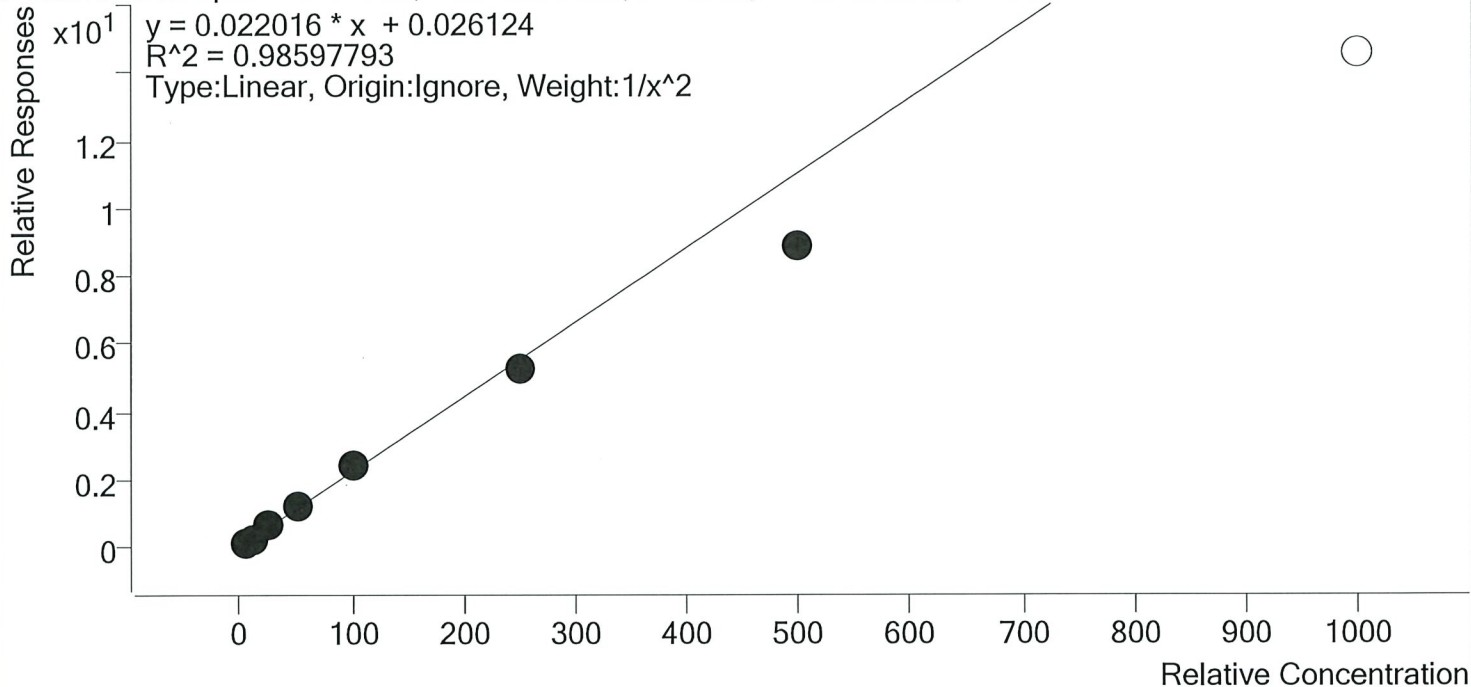| Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.9
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.7
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.3
p1 Cal 4-50ng	4	✓	50.0	50.5	101.0
p1 Cal 5-100ng	5	✓	100.0	97.4	97.4
p1 Cal 6-250ng	6	✓	250.0	250.3	100.1
p1 Cal 7-500ng	7	✓	500.0	503.1	100.6
p1 Cal 8-1000ng	8	✓	1000.0	999.0	99.9

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\ 010820 AM 28 wklst 3929 TS\QuantResults\MDQ P1 TS.batch.bin

Last Cal. Update   1/9/2020 9:19 AM

Analyst Name   ISP\Datastor

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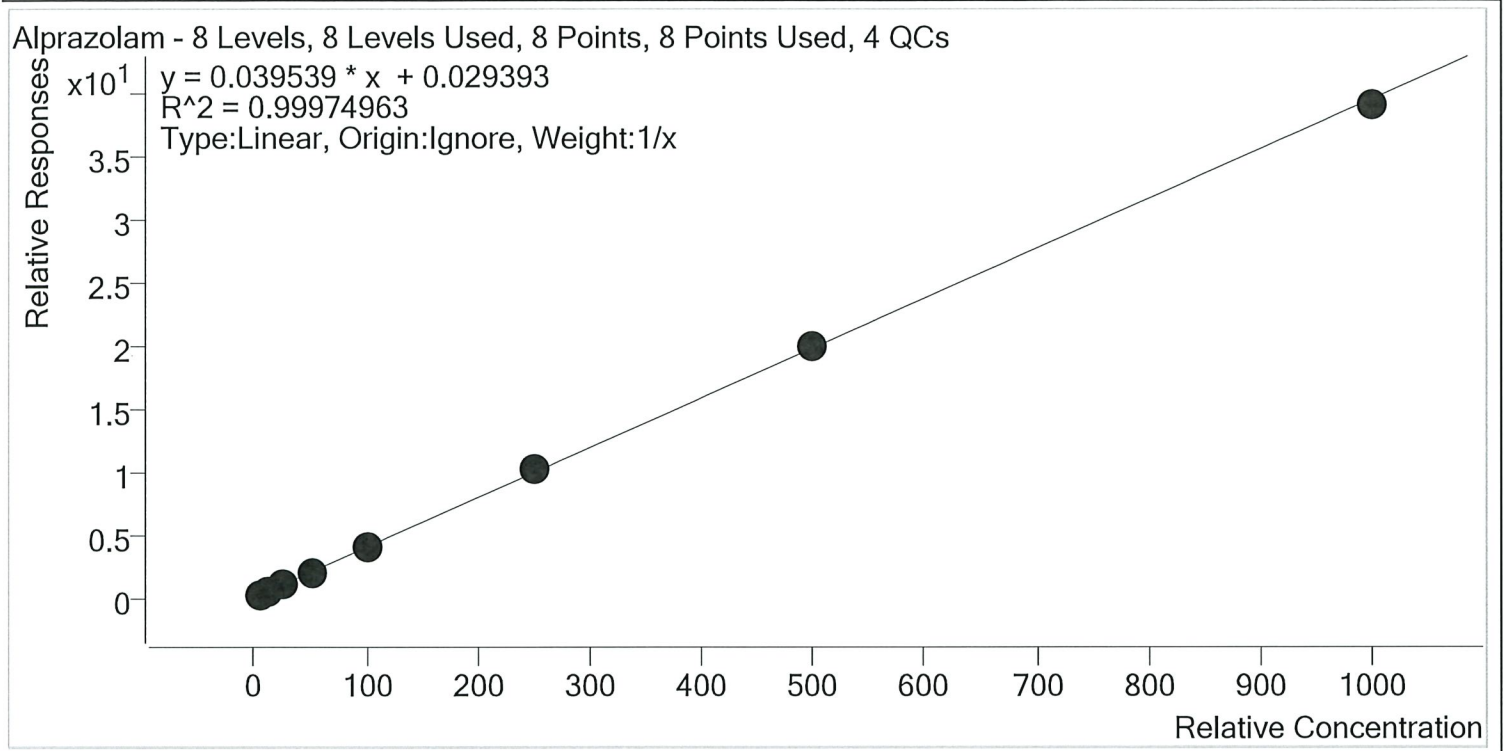
Alprazolam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.039539 * x + 0.029393$
$R^2 = 0.99974963$
Type:Linear, Origin:Ignore, Weight:1/x

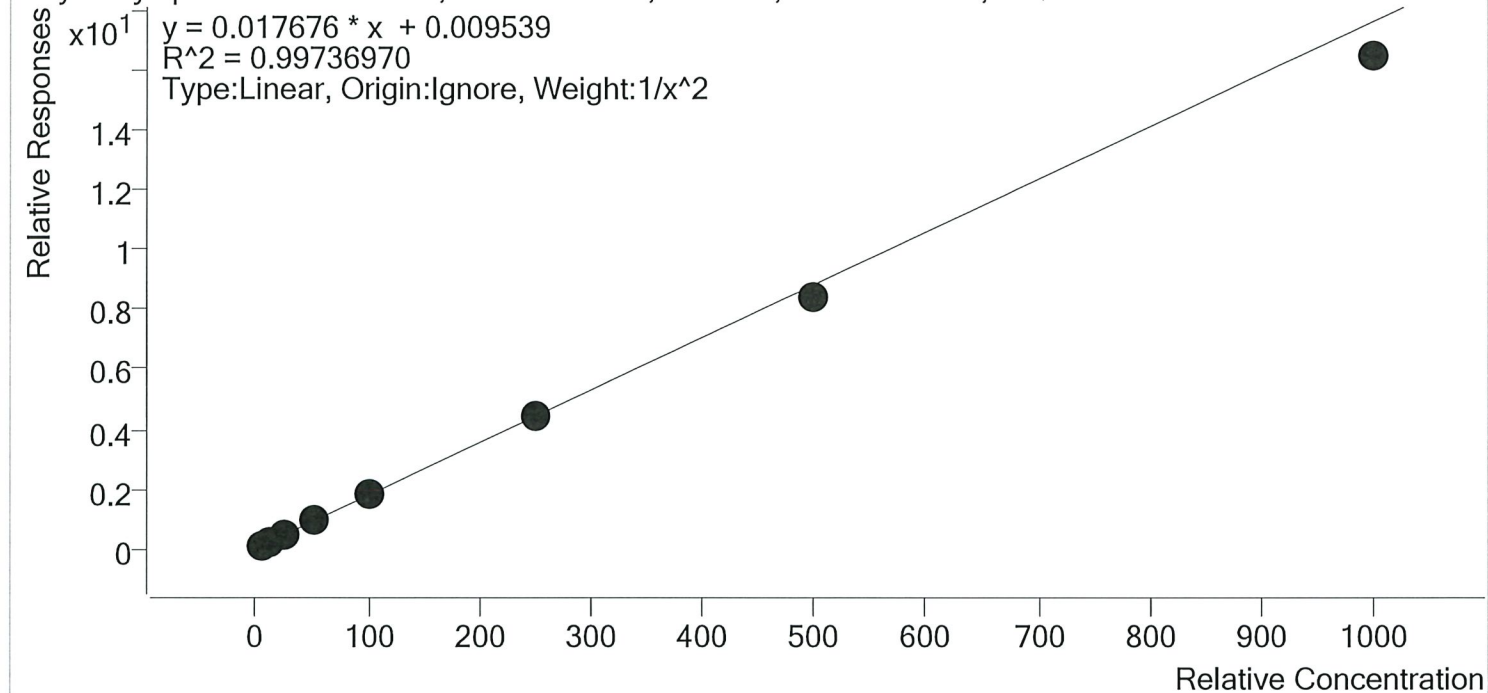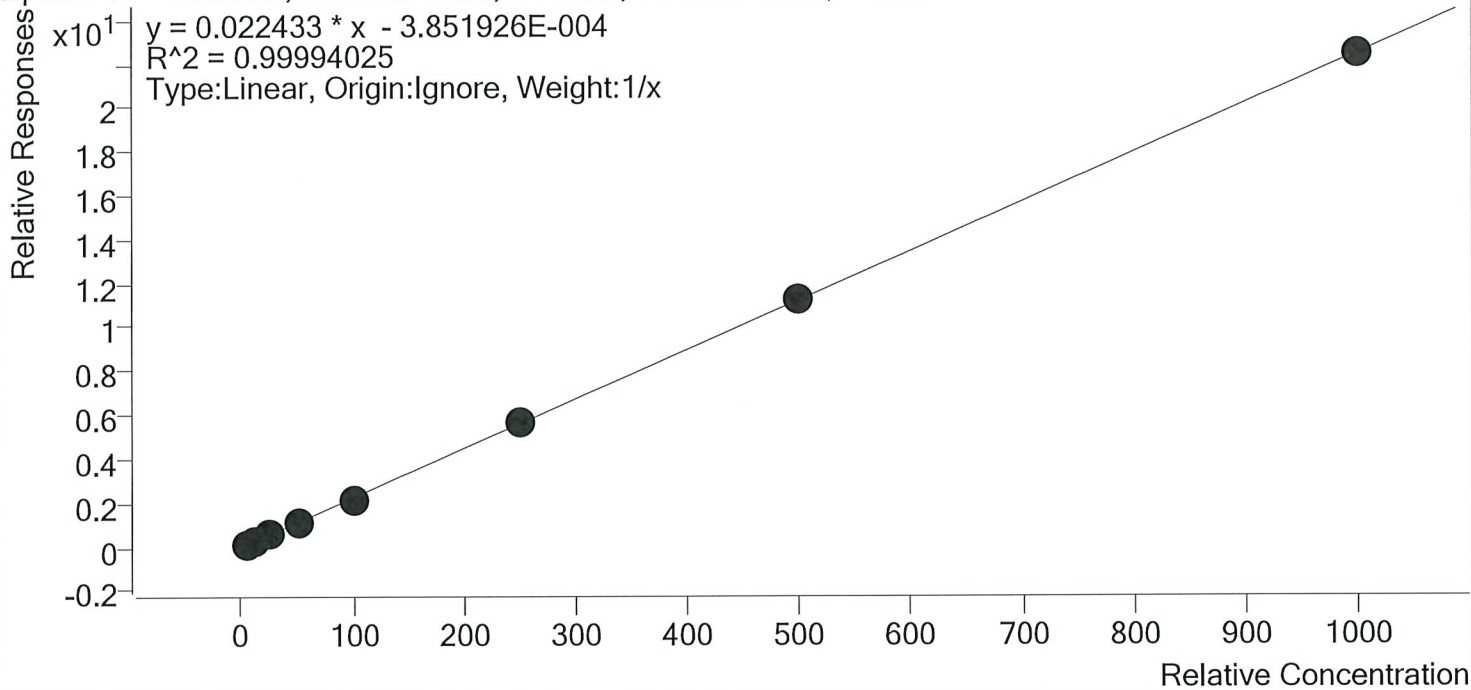| Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	93.5
p1 Cal 2- 10ng	2	✓	10.0	9.8	98.3
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.1
p1 Cal 4-50ng	4	✓	50.0	51.6	103.3
p1 Cal 5-100ng	5	✓	100.0	102.1	102.1
p1 Cal 6-250ng	6	✓	250.0	255.8	102.3
p1 Cal 7-500ng	7	✓	500.0	503.4	100.7
p1 Cal 8-1000ng	8	✓	1000.0	987.3	98.7

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\ 010820 AM 28 wklst 3929 TS\QuantResults\MDQ P1 TS.batch.bin

Last Cal. Update   1/9/2020 9:19 AM

Analyst Name   ISP\Datastor

Analyte   Amphetamine   **Internal Standard**   Amphetamine-D11

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

$y = 0.081796 * x + 0.110435$

$R^2 = 0.98847904$

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	96.3
p1 Cal 2- 10ng	2	✓	10.0	10.3	103.3
p1 Cal 3 -25ng	3	✓	25.0	26.9	107.7
p1 Cal 4-50ng	4	✓	50.0	54.0	108.0
p1 Cal 5-100ng	5	✓	100.0	100.2	100.2
p1 Cal 6-250ng	6	✓	250.0	211.3	84.5
p1 Cal 7-500ng	7	✗	500.0	309.5	61.9
p1 Cal 8-1000ng	8	✗	1000.0	480.0	48.0

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\ 010820 AM 28 wklst 3929 TS\QuantResults\MDQ P1 TS.batch.bin
Last Cal. Update	1/9/2020 9:19 AM
Analyst Name	ISP\Datastor
Analyte	Benzoylecgonine

Internal Standard   Benzoylecgonine-d8

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

$y = 0.025714 * x - 0.033543$
$R^2 = 0.99738286$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	6.2	124.9
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.5
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.9
p1 Cal 4-50ng	4	✓	50.0	47.0	94.0
p1 Cal 5-100ng	5	✓	100.0	91.9	91.9
p1 Cal 6-250ng	6	✓	250.0	235.5	94.2
p1 Cal 7-500ng	7	✓	500.0	481.9	96.4
p1 Cal 8-1000ng	8	✓	1000.0	1043.9	104.4

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\ 010820 AM 28 wklst 3929 TS\QuantResults\MDQ P1 TS.batch.bin

Last Cal. Update 1/9/2020 9:19 AM

Analyst Name ISP\Datastor

Analyte Buprenorphine   **Internal Standard** Buprenorphine-D4

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

$y = 0.025985 * x + 0.002029$
$R^2 = 0.99832959$
Type:Linear, Origin:Ignore, Weight:1/x^2

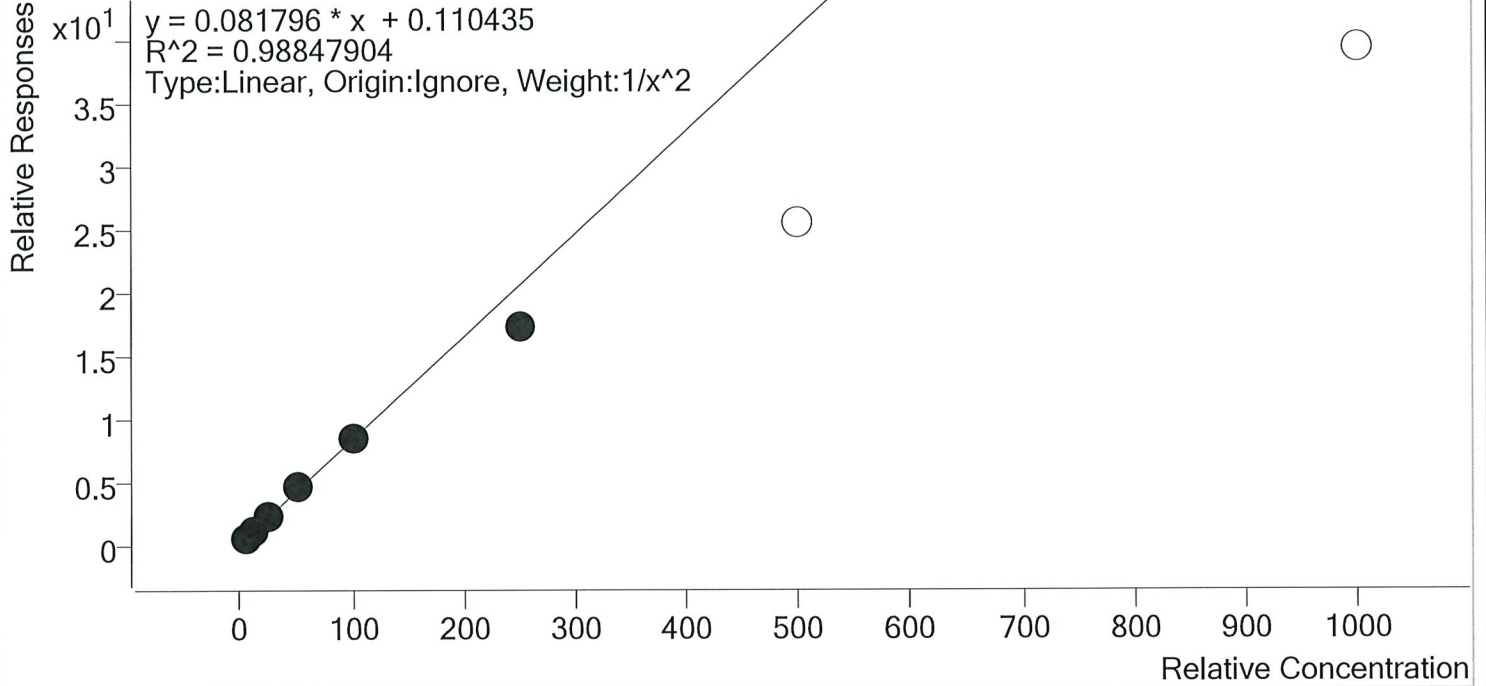| Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	98.7
p1 Cal 2- 10ng	2	✓	1.0	1.0	101.6
p1 Cal 3 -25ng	3	✓	2.5	2.5	99.1
p1 Cal 4-50ng	4	✓	5.0	5.3	106.7
p1 Cal 5-100ng	5	✓	10.0	10.1	100.7
p1 Cal 6-250ng	6	✓	25.0	25.3	101.3
p1 Cal 7-500ng	7	✓	50.0	48.6	97.1
p1 Cal 8-1000ng	8	✓	100.0	94.8	94.8

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\ 010820 AM 28 wklst 3929 TS\QuantResults\MDQ P1 TS.batch.bin

Last Cal. Update 1/9/2020 9:19 AM

Analyst Name ISP\Datastor

Analyte Bupropion   **Internal Standard** Bupropion-D9
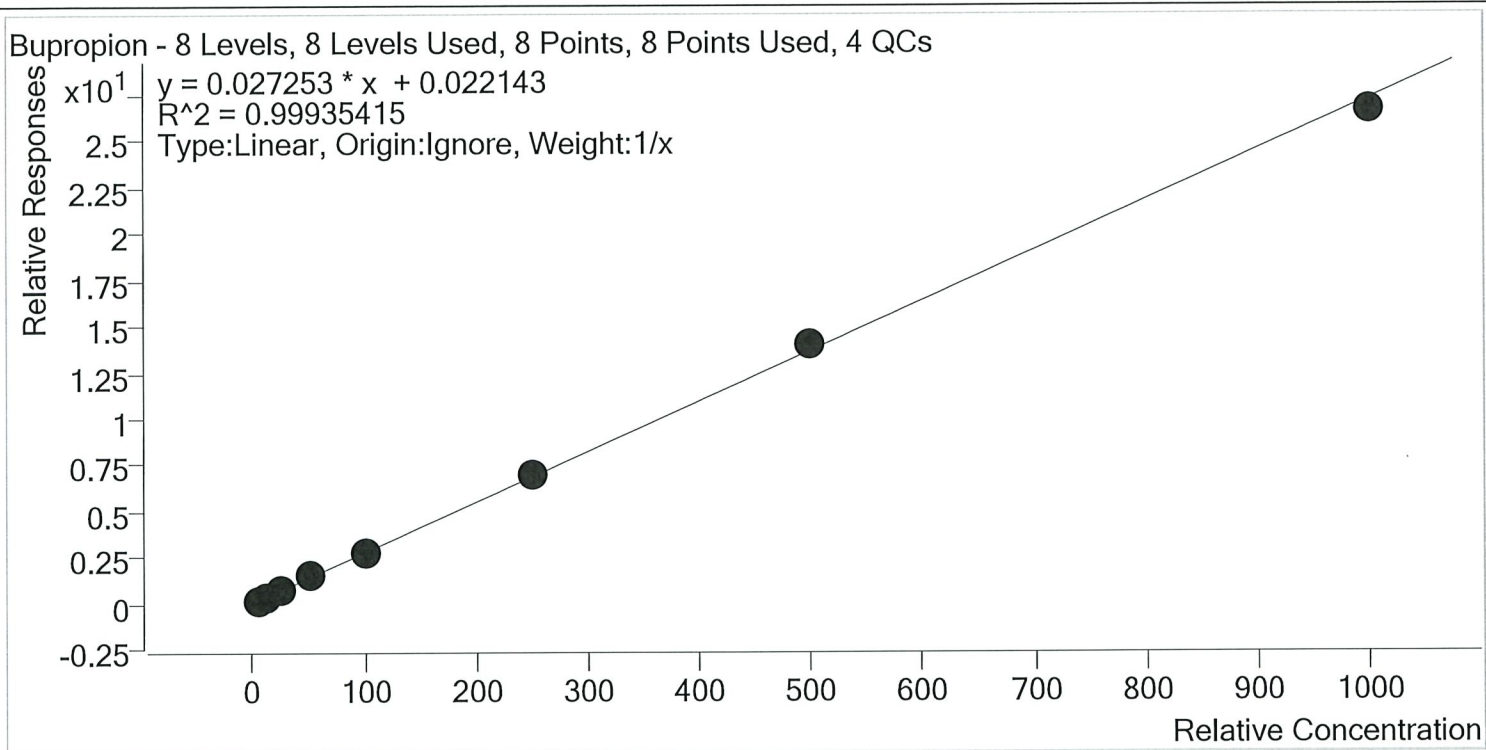
Bupropion - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.027253 * x + 0.022143$
$R^2 = 0.99935415$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	93.6
p1 Cal 2- 10ng	2	✓	10.0	9.6	95.8
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.9
p1 Cal 4-50ng	4	✓	50.0	52.4	104.8
p1 Cal 5-100ng	5	✓	100.0	102.4	102.4
p1 Cal 6-250ng	6	✓	250.0	256.0	102.4
p1 Cal 7-500ng	7	✓	500.0	512.1	102.4
p1 Cal 8-1000ng	8	✓	1000.0	977.7	97.8

AM #28 Multi-Drug Quant. Calibration Curve Report

TS

Batch results	D:\MassHunter\Data\2020\AM 27-28\ 010820 AM 28 wklst 3929 TS\QuantResults\MDQ P1 TS.batch.bin
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Analyst Name	ISP\Datastor
Analyte	Carisoprodol

Internal Standard   Carisoprodol-D7

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

$y = 0.019327 * x + 0.010063$
$R^2 = 0.99908686$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

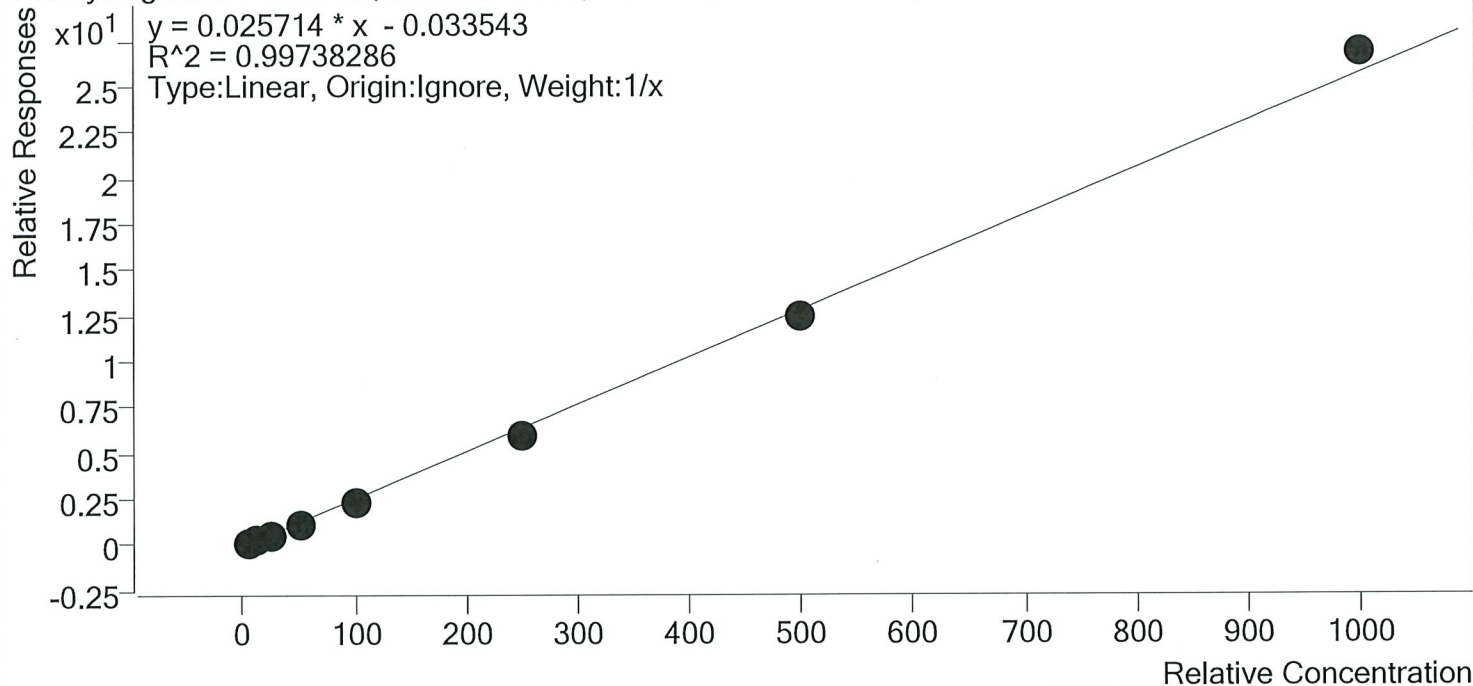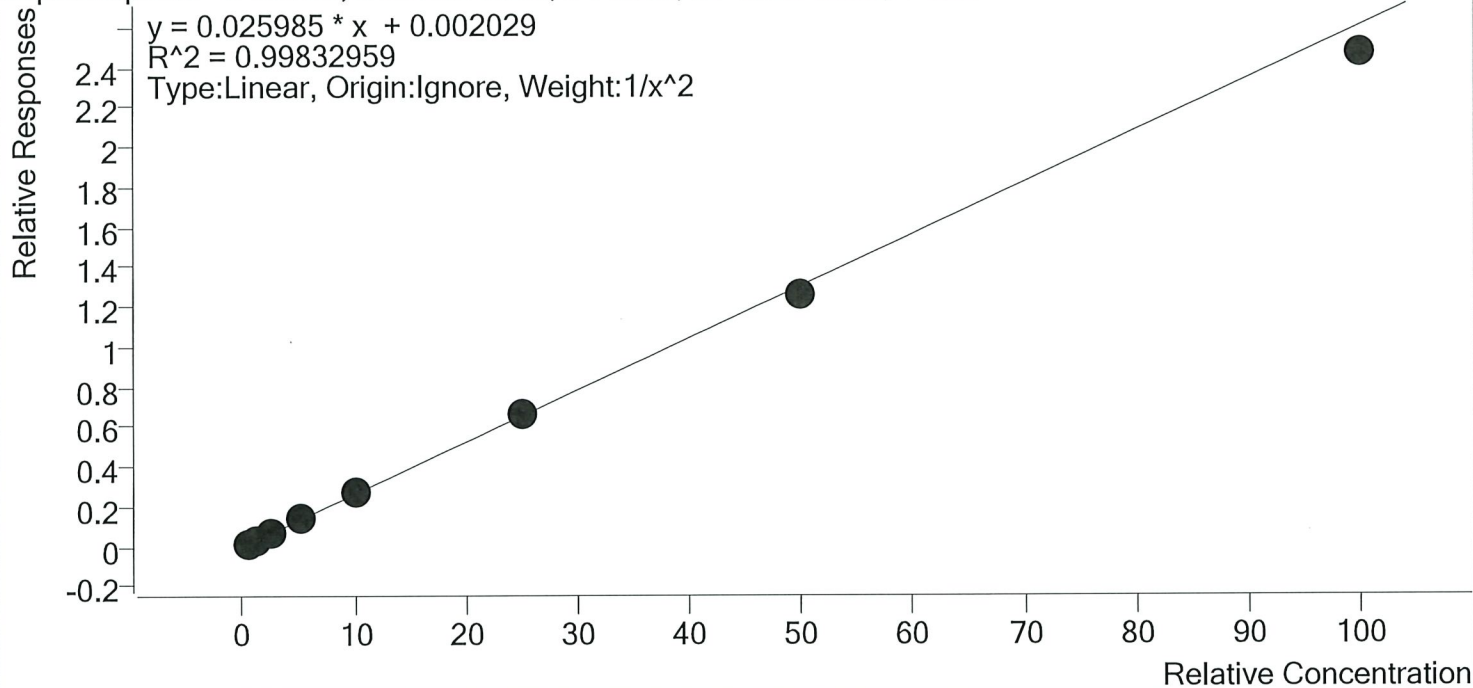| Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.8
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.5
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.1
p1 Cal 4-50ng	4	✓	50.0	52.1	104.3
p1 Cal 5-100ng	5	✓	100.0	102.5	102.5
p1 Cal 6-250ng	6	✓	250.0	246.7	98.7
p1 Cal 7-500ng	7	✓	500.0	489.8	98.0
p1 Cal 8-1000ng	8	✓	1000.0	962.3	96.2

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\ 010820 AM 28 wklst 3929 TS\QuantResults\MDQ P1 TS.batch.bin

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Analyst Name   ISP\Datastor

Analyte   Citalopram   **Internal Standard**   Citalopram-D6

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

$y = 0.022463 * x - 0.007477$
$R^2 = 0.99939931$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	106.0
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.4
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.3
p1 Cal 4-50ng	4	✓	50.0	50.2	100.4
p1 Cal 5-100ng	5	✓	100.0	97.5	97.5
p1 Cal 6-250ng	6	✓	250.0	244.7	97.9
p1 Cal 7-500ng	7	✓	500.0	485.9	97.2
p1 Cal 8-1000ng	8	✓	1000.0	1021.7	102.2

TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\ 010820 AM 28 wklst 3929 TS\QuantResults\MDQ P1 TS.batch.bin

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Analyst Name ISP\Datastor

Analyte Clonazepam   **Internal Standard** Clonazepam-D4

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

$y = 0.050784 * x + 0.046985$
$R^2 = 0.99286958$
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	95.9
p1 Cal 2- 10ng	2	✓	10.0	10.4	103.6
p1 Cal 3 -25ng	3	✓	25.0	26.6	106.3
p1 Cal 4-50ng	4	✓	50.0	55.1	110.3
p1 Cal 5-100ng	5	✓	100.0	103.8	103.8
p1 Cal 6-250ng	6	✓	250.0	247.4	99.0
p1 Cal 7-500ng	7	✓	500.0	466.6	93.3
p1 Cal 8-1000ng	8	✓	1000.0	879.7	88.0

AM #28 Multi-Drug Quant. Calibration Curve Report

TS

Batch results   D:\MassHunter\Data\2020\AM 27-28\ 010820 AM 28 wklst 3929 TS\QuantResults\MDQ P1
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Analyst Name   ISP\Datastor

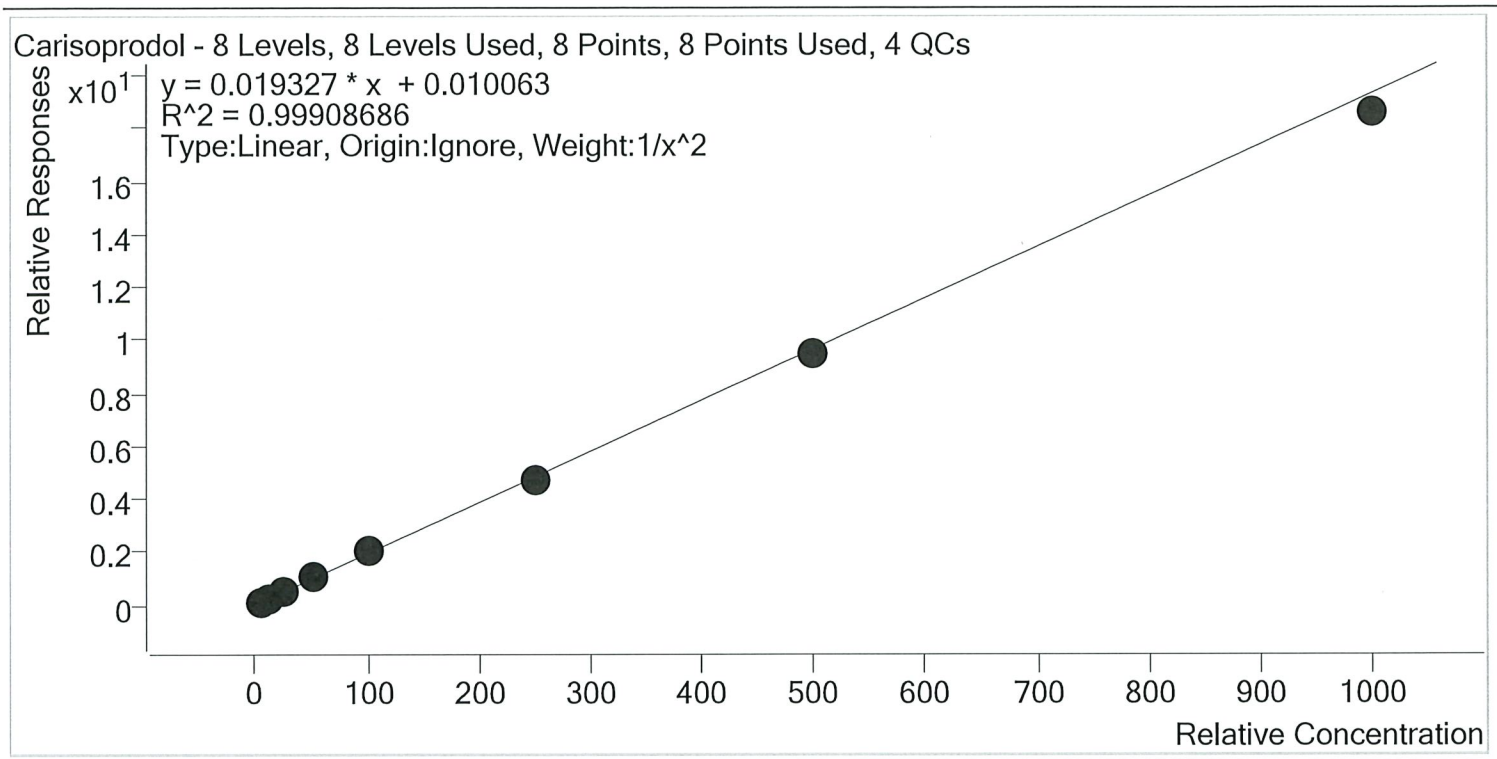**Analyte**   Cocaine   **Internal Standard**   Cocaine-d3
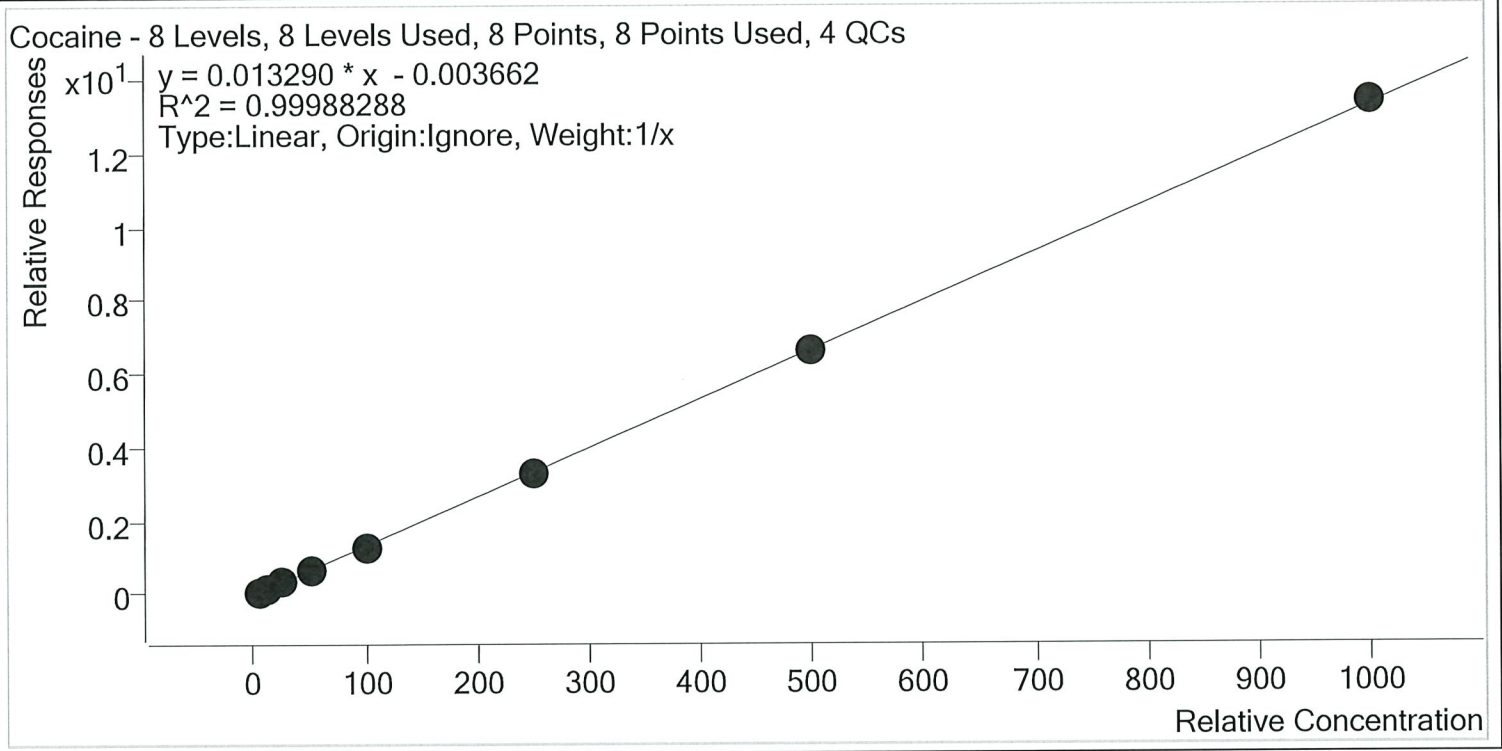
Cocaine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.013290 * x - 0.003662$
$R^2 = 0.99988288$
Type:Linear, Origin:Ignore, Weight:1/x

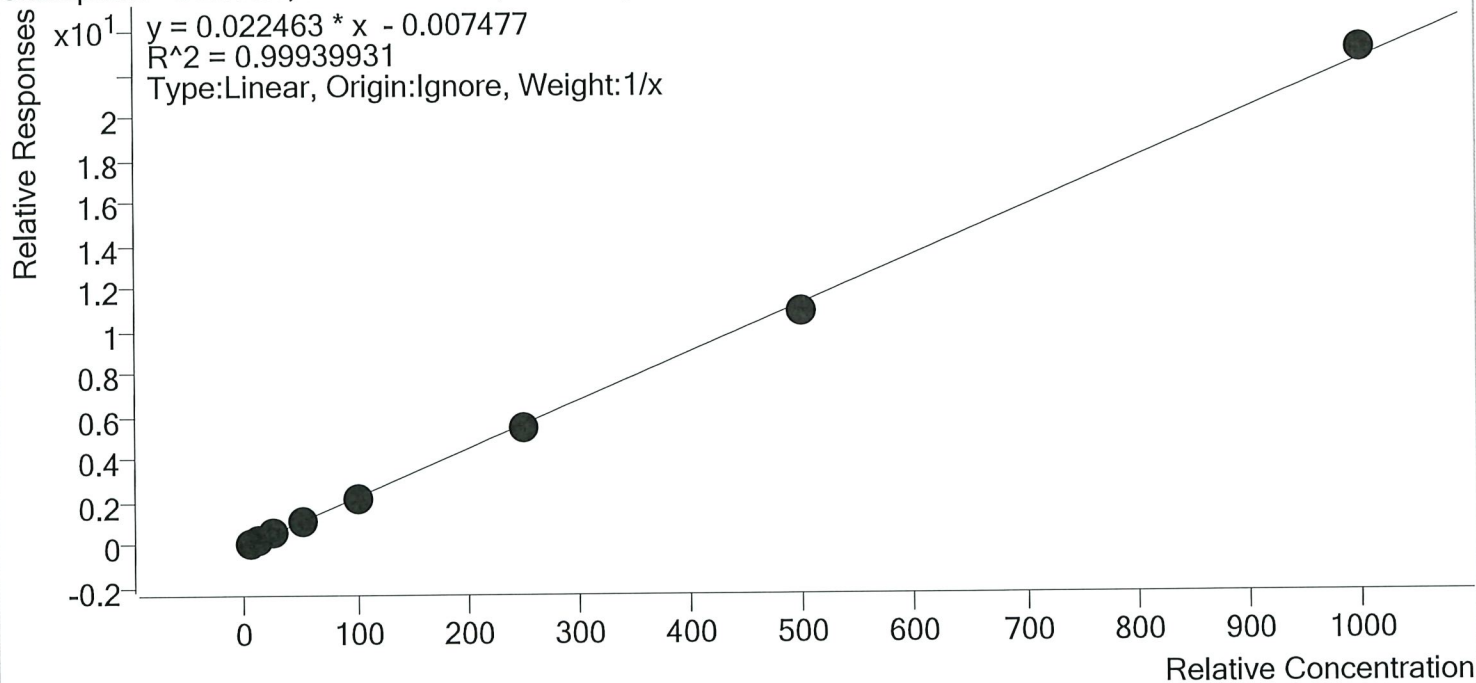| Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	105.1
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.1
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.2
p1 Cal 4-50ng	4	✓	50.0	49.7	99.3
p1 Cal 5-100ng	5	✓	100.0	96.6	96.6
p1 Cal 6-250ng	6	✓	250.0	248.5	99.4
p1 Cal 7-500ng	7	✓	500.0	498.3	99.7
p1 Cal 8-1000ng	8	✓	1000.0	1007.1	100.7

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Analyst Name ISP\Datastor

Analyte Codeine   **Internal Standard** Codeine-D6

Codeine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs
y = 0.021341 * x + 0.013139
R^2 = 0.99783086
Type:Linear, Origin:Ignore, Weight:1/x^2

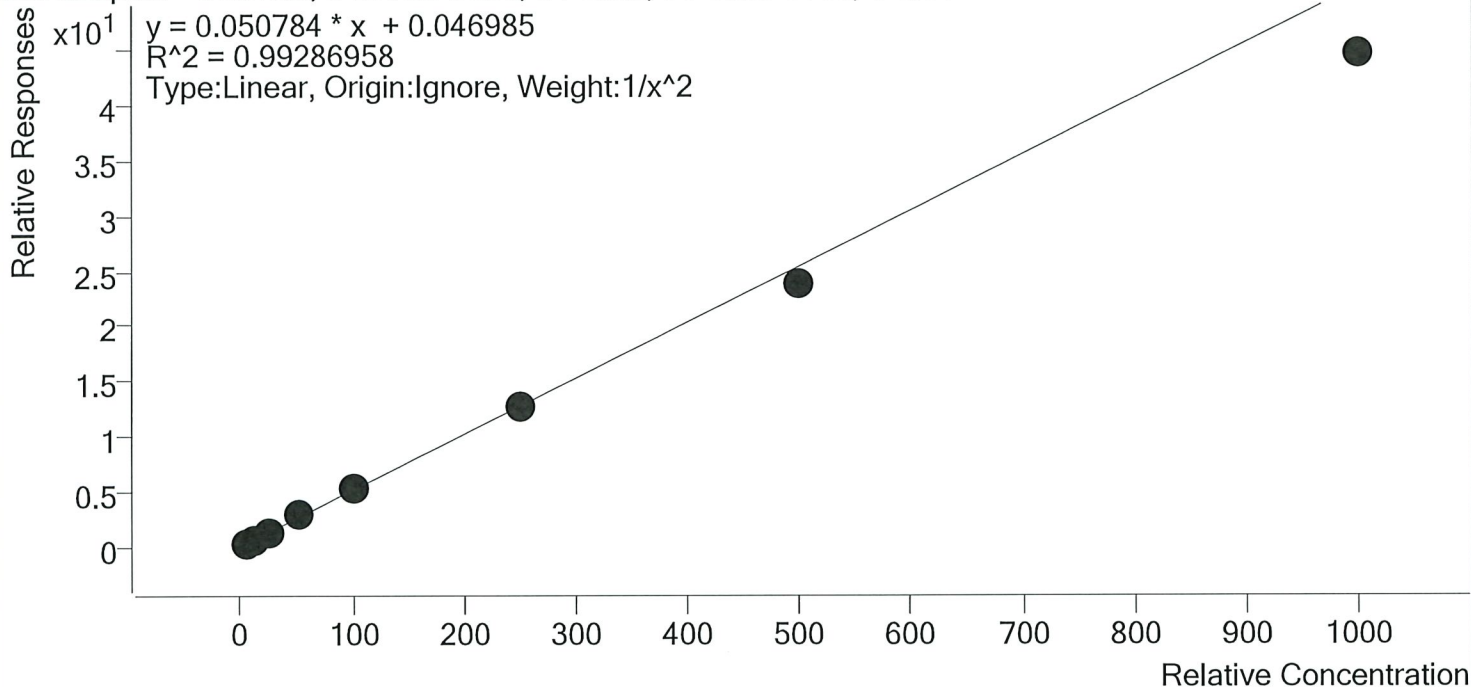| Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.1
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.0
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.7
p1 Cal 4-50ng	4	✓	50.0	52.8	105.6
p1 Cal 5-100ng	5	✓	100.0	103.8	103.8
p1 Cal 6-250ng	6	✓	250.0	251.1	100.5
p1 Cal 7-500ng	7	✓	500.0	491.6	98.3
p1 Cal 8-1000ng	8	✓	1000.0	919.6	92.0

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\ 010820 AM 28 wklst 3929 TS\QuantResults\MDQ P1 TS.batch.bin

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Analyst Name   ISP\Datastor

Analyte   Cyclobenzaprine   **Internal Standard**   Cyclobenzaprine-D3
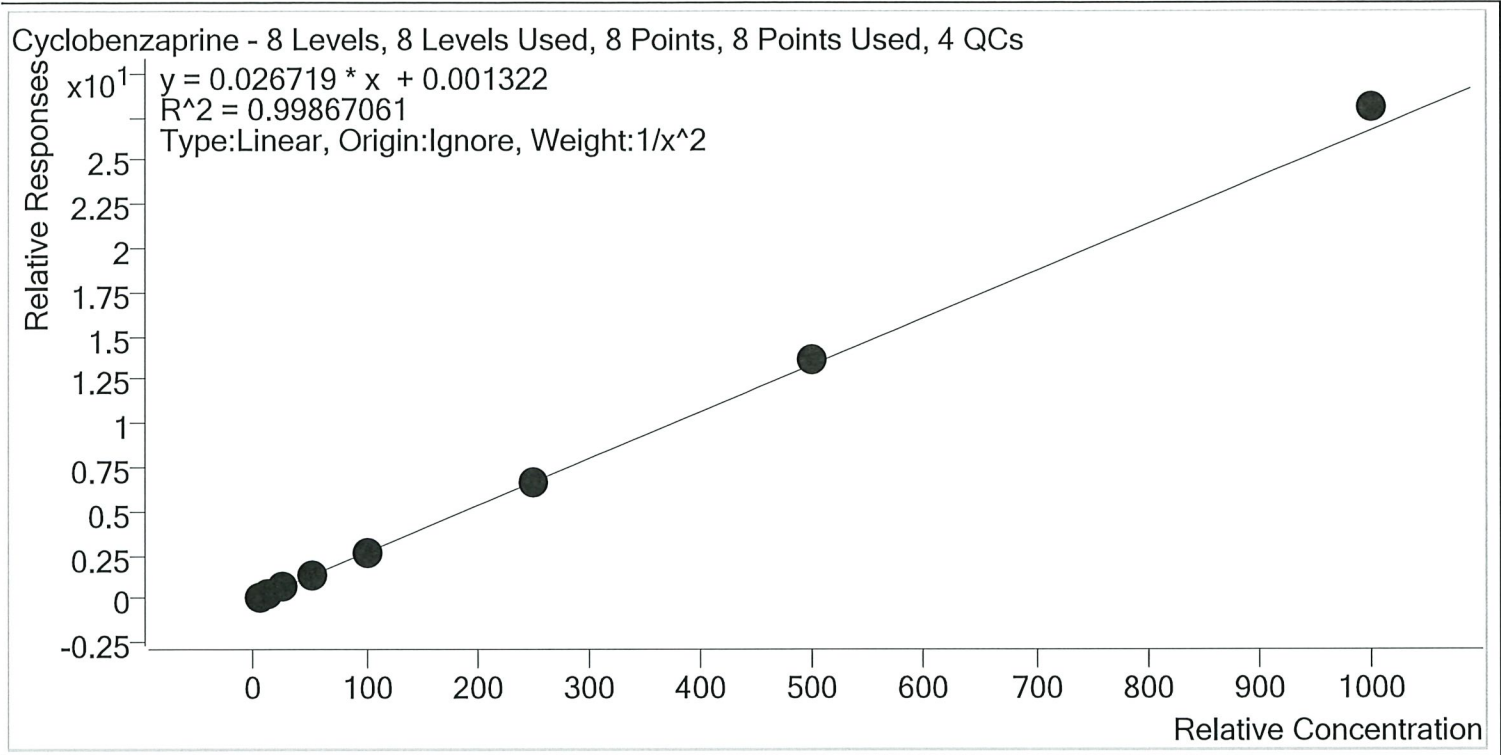
Cyclobenzaprine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.026719 * x + 0.001322$

$R^2 = 0.99867061$

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	102.6
p1 Cal 2- 10ng	2	✓	10.0	9.7	96.8
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.8
p1 Cal 4-50ng	4	✓	50.0	49.0	97.9
p1 Cal 5-100ng	5	✓	100.0	98.9	98.9
p1 Cal 6-250ng	6	✓	250.0	251.7	100.7
p1 Cal 7-500ng	7	✓	500.0	512.1	102.4
p1 Cal 8-1000ng	8	✓	1000.0	1048.4	104.8

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\ 010820 AM 28 wklst 3929 TS\QuantResults\MDQ P1 TS.batch.bin
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Analyst Name	ISP\Datastor
Analyte	Dextromethorphan

Internal Standard Dextromethorphan-D3

Dextromethorphan - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs
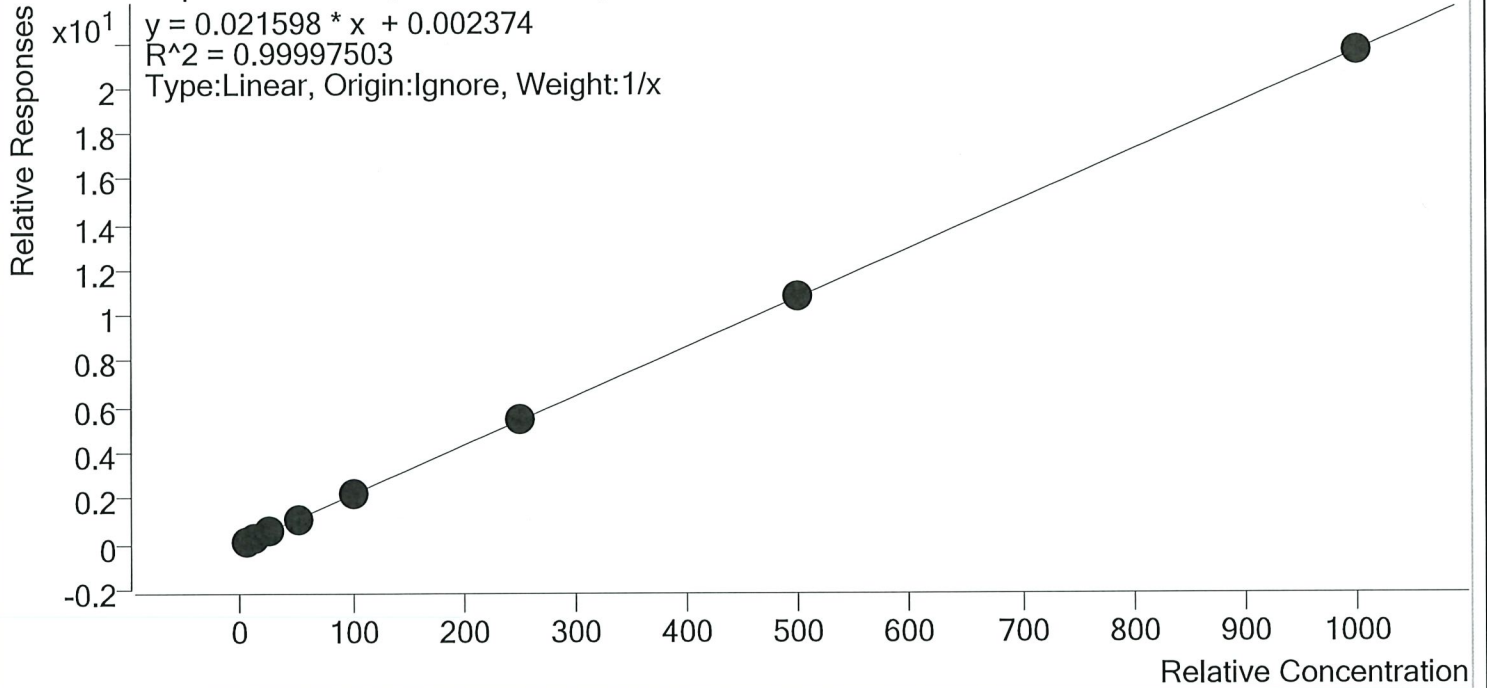
$y = 0.021598 * x + 0.002374$
$R^2 = 0.99997503$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.1
p1 Cal 2- 10ng	2	✓	10.0	10.4	103.8
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.8
p1 Cal 4-50ng	4	✓	50.0	50.1	100.1
p1 Cal 5-100ng	5	✓	100.0	98.8	98.8
p1 Cal 6-250ng	6	✓	250.0	250.7	100.3
p1 Cal 7-500ng	7	✓	500.0	500.5	100.1
p1 Cal 8-1000ng	8	✓	1000.0	1000.1	100.0

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\ 010820 AM 28 wklst 3929 TS\QuantResults\MDQ P1 TS.batch.bin
Last Cal. Update	1/9/2020 9:19 AM
Analyst Name	ISP\Datastor
Analyte	Dextrorphan

Internal Standard   Dextrorphan-D3

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

$y = 0.007427 * x - 3.553379E{-}004$
$R^2 = 0.99993171$
Type:Linear, Origin:Ignore, Weight:1/x

Relative Responses vs Relative Concentration
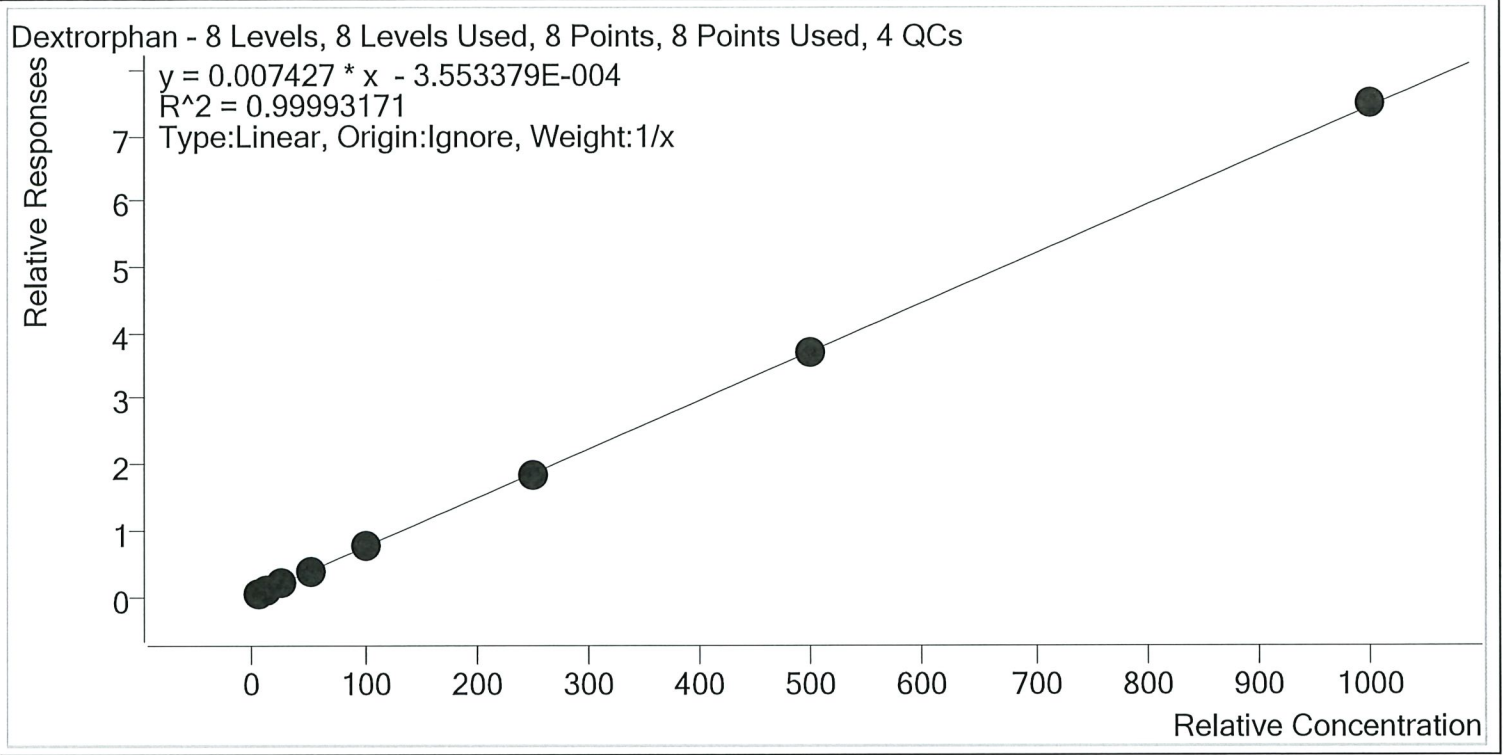
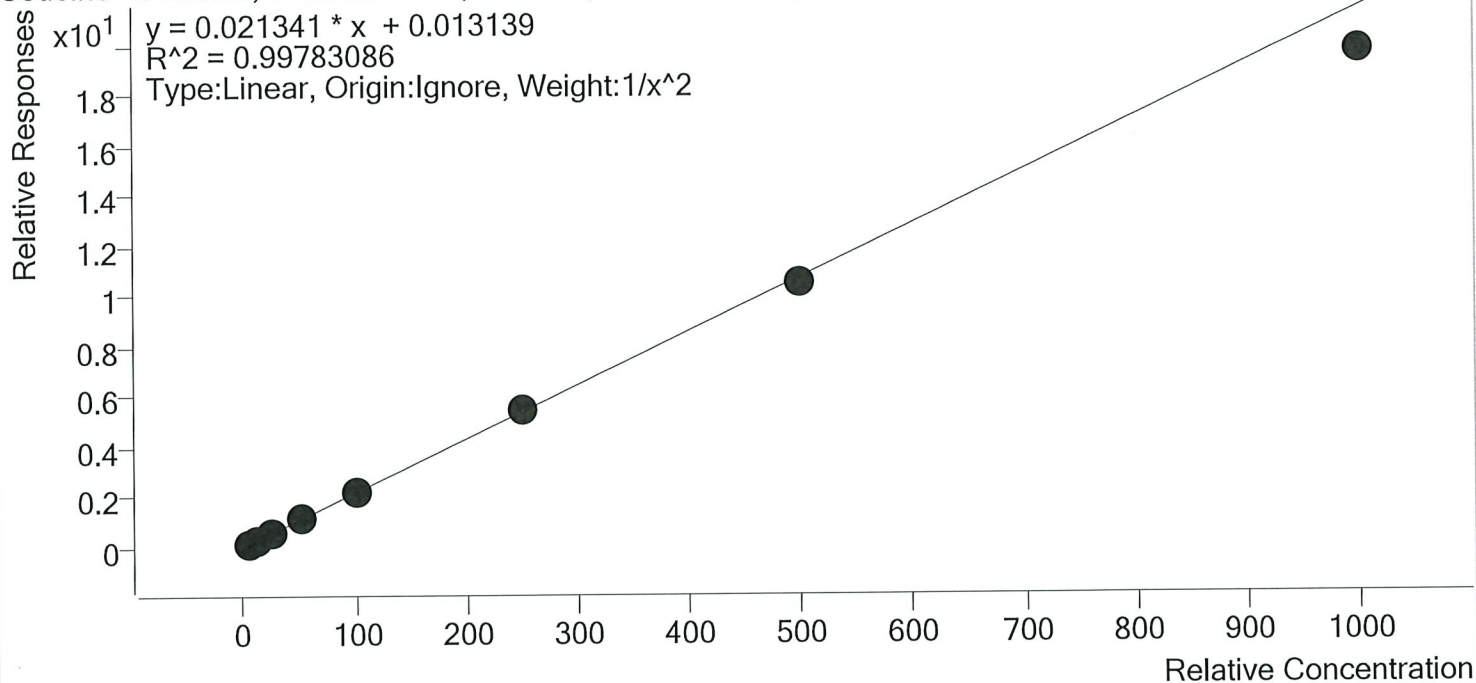| Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.9
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.2
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.8
p1 Cal 4-50ng	4	✓	50.0	49.6	99.2
p1 Cal 5-100ng	5	✓	100.0	99.2	99.2
p1 Cal 6-250ng	6	✓	250.0	250.3	100.1
p1 Cal 7-500ng	7	✓	500.0	494.5	98.9
p1 Cal 8-1000ng	8	✓	1000.0	1006.6	100.7

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\ 010820 AM 28 wklst 3929 TS\QuantResults\MDQ P1 TS.batch.bin

Last Cal. Update   1/9/2020 9:19 AM

Analyst Name   ISP\Datastor

Analyte   Diazepam   **Internal Standard**   Diazepam-D5

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

$y = 0.020455 * x + 0.006205$

$R^2 = 0.99908469$

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	100.3
p1 Cal 2- 10ng	2	✓	10.0	9.8	97.7
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.2
p1 Cal 4-50ng	4	✓	50.0	51.9	103.9
p1 Cal 5-100ng	5	✓	100.0	101.1	101.1
p1 Cal 6-250ng	6	✓	250.0	253.1	101.2
p1 Cal 7-500ng	7	✓	500.0	486.7	97.3
p1 Cal 8-1000ng	8	✓	1000.0	963.1	96.3

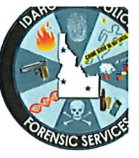# AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\ 010820 AM 28 wklst 3929 TS\QuantResults\MDQ P1
TS.batch.bin

Last Cal. Update   1/9/2020 9:19 AM

Analyst Name   ISP\Datastor

Analyte   Dihydrocodeine   **Internal Standard**   Dihydrocodeine-D6

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

$y = 0.016696 * x + 0.014831$
$R^2 = 0.99221770$
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	97.8
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.5
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.4
p1 Cal 4-50ng	4	✓	50.0	54.3	108.5
p1 Cal 5-100ng	5	✓	100.0	104.4	104.4
p1 Cal 6-250ng	6	✓	250.0	244.1	97.6
p1 Cal 7-500ng	7	✓	500.0	428.6	85.7
p1 Cal 8-1000ng	8	✗	1000.0	703.5	70.3

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\ 010820 AM 28 wklst 3929 TS\QuantResults\MDQ P1 TS.batch.bin
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Analyst Name	ISP\Datastor
Analyte	Diphenhydramine

Internal Standard   Diphenhydramine-D3

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

$y = 0.013949 * x - 0.004199$
$R^2 = 0.99979823$
Type:Linear, Origin:Ignore, Weight:1/x

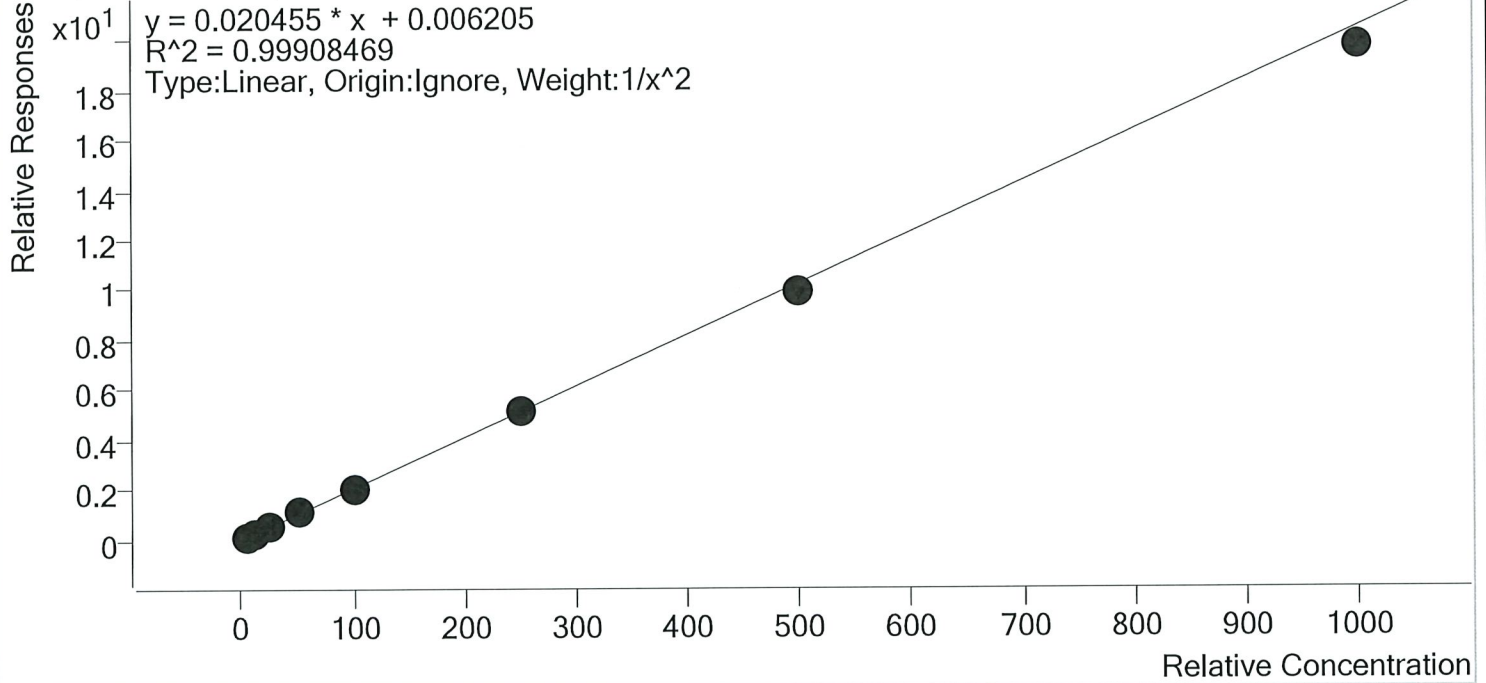| Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.4	107.2
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.5
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.8
p1 Cal 4-50ng	4	✓	50.0	49.3	98.6
p1 Cal 5-100ng	5	✓	100.0	96.9	96.9
p1 Cal 6-250ng	6	✓	250.0	246.3	98.5
p1 Cal 7-500ng	7	✓	500.0	496.7	99.3
p1 Cal 8-1000ng	8	✓	1000.0	1011.1	101.1

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\ 010820 AM 28 wklst 3929 TS\QuantResults\MDQ P1 TS.batch.bin

Last Cal. Update   1/9/2020 9:19 AM

Analyst Name   ISP\Datastor

Analyte   Doxylamine   **Internal Standard**   Doxylamine-D5
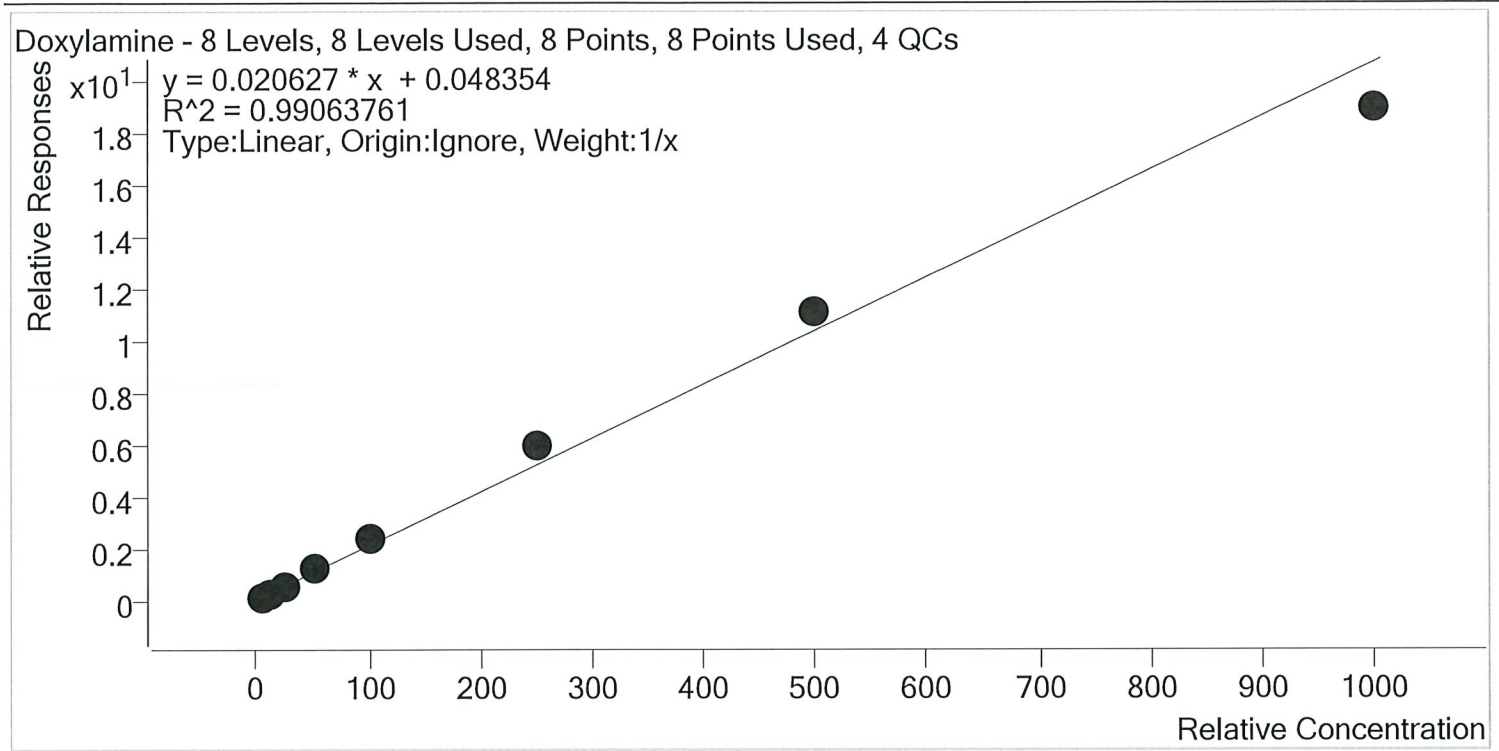
Doxylamine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.020627 * x + 0.048354$
$R^2 = 0.99063761$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	3.6	72.0
p1 Cal 2- 10ng	2	✓	10.0	9.1	90.5
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.8
p1 Cal 4-50ng	4	✓	50.0	55.1	110.1
p1 Cal 5-100ng	5	✓	100.0	111.4	111.4
p1 Cal 6-250ng	6	✓	250.0	283.1	113.2
p1 Cal 7-500ng	7	✓	500.0	537.1	107.4
p1 Cal 8-1000ng	8	✓	1000.0	914.7	91.5

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\ 010820 AM 28 wklst 3929 TS\QuantResults\MDQ P1 TS.batch.bin

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Analyst Name ISP\Datastor

Analyte EDDP   **Internal Standard** EDDP-D3

EDDP - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs
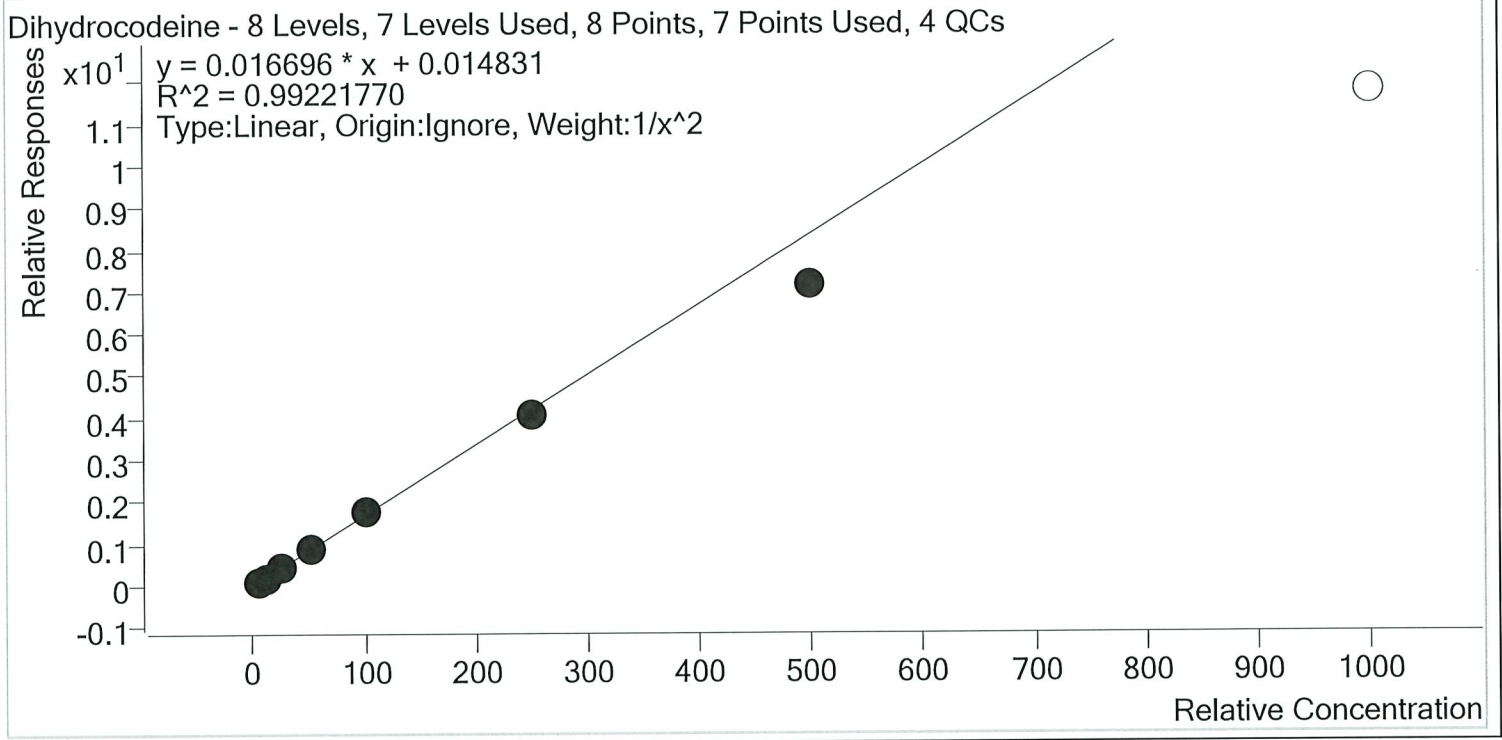
$y = 0.017894 * x + 0.004389$
$R^2 = 0.99939163$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

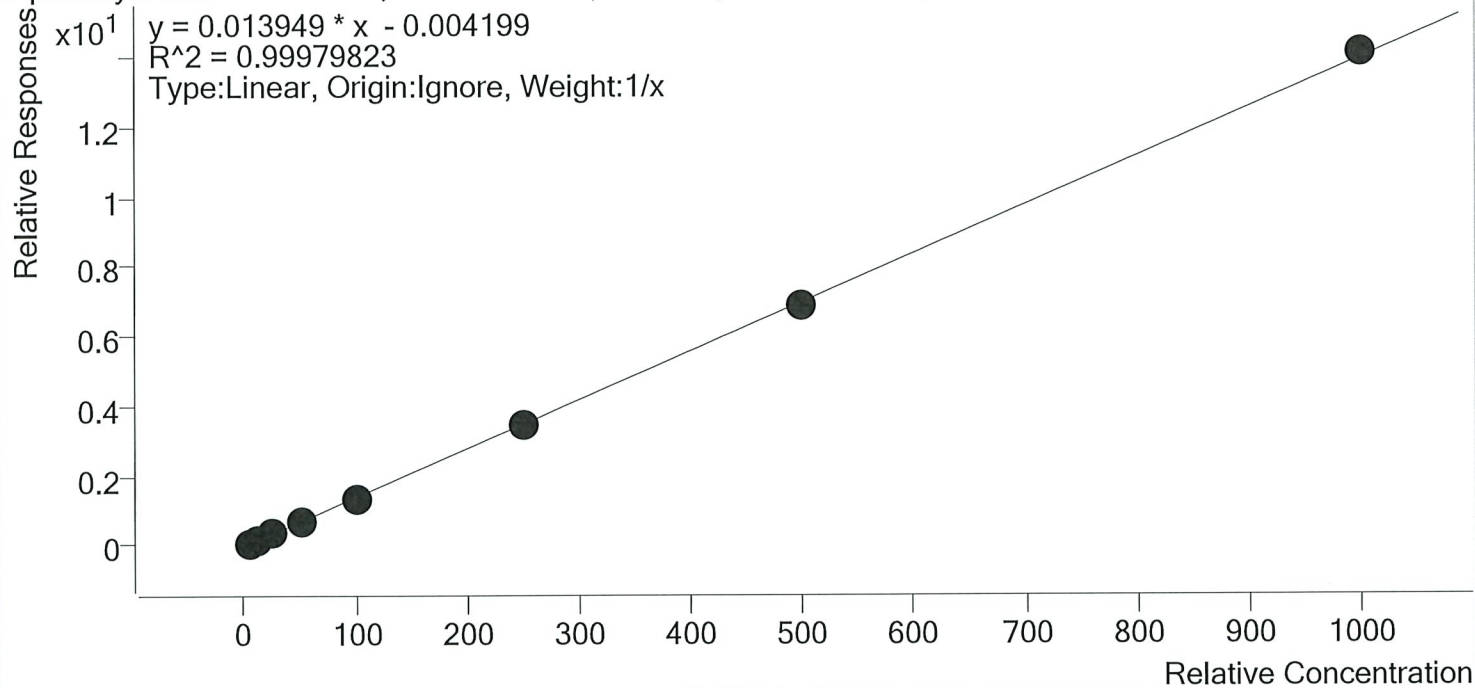| Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.3
p1 Cal 2- 10ng	2	✓	10.0	9.9	98.9
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.0
p1 Cal 4-50ng	4	✓	50.0	49.7	99.3
p1 Cal 5-100ng	5	✓	100.0	98.7	98.7
p1 Cal 6-250ng	6	✓	250.0	248.0	99.2
p1 Cal 7-500ng	7	✓	500.0	509.2	101.8
p1 Cal 8-1000ng	8	✓	1000.0	1037.6	103.8

AM #28 Multi-Drug Quant. Calibration Curve Report

TS

Batch results
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Last Cal. Update 1/9/2020 9:19 AM

Analyst Name ISP\Datastor

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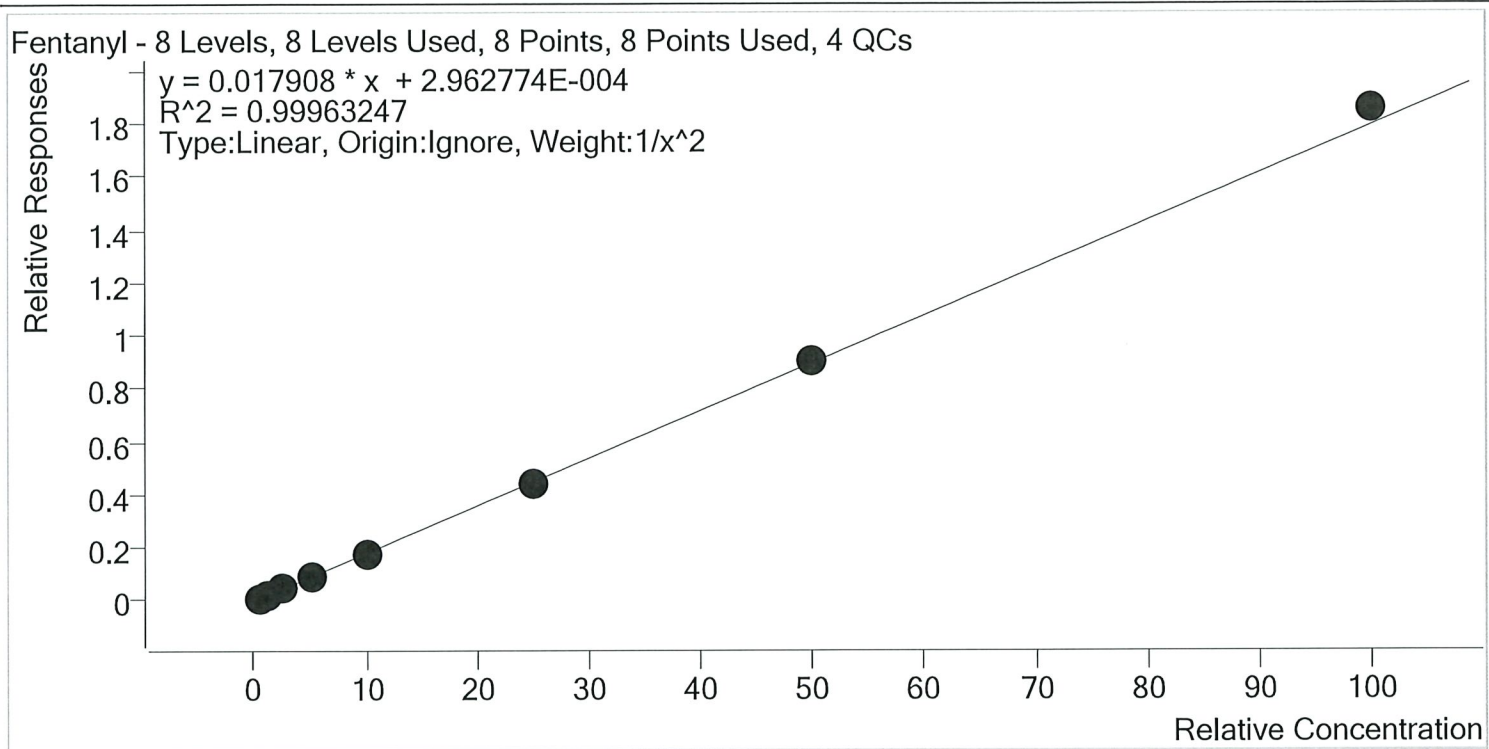
Fentanyl - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.017908 * x + 2.962774E\text{-}004$
$R^2 = 0.99963247$
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	100.9
p1 Cal 2- 10ng	2	✓	1.0	1.0	99.2
p1 Cal 3 -25ng	3	✓	2.5	2.5	98.4
p1 Cal 4-50ng	4	✓	5.0	5.0	99.2
p1 Cal 5-100ng	5	✓	10.0	9.9	98.5
p1 Cal 6-250ng	6	✓	25.0	25.0	100.0
p1 Cal 7-500ng	7	✓	50.0	50.1	100.3
p1 Cal 8-1000ng	8	✓	100.0	103.5	103.5

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\ 010820 AM 28 wklst 3929 TS\QuantResults\MDQ P1 TS.batch.bin

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Analyst Name ISP\Datastor

Analyte Fluoxetine   **Internal Standard** Fluoxetine-D6

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

$y = 0.023550 * x + 2.197196E\text{-}005$

$R^2 = 0.99976978$

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

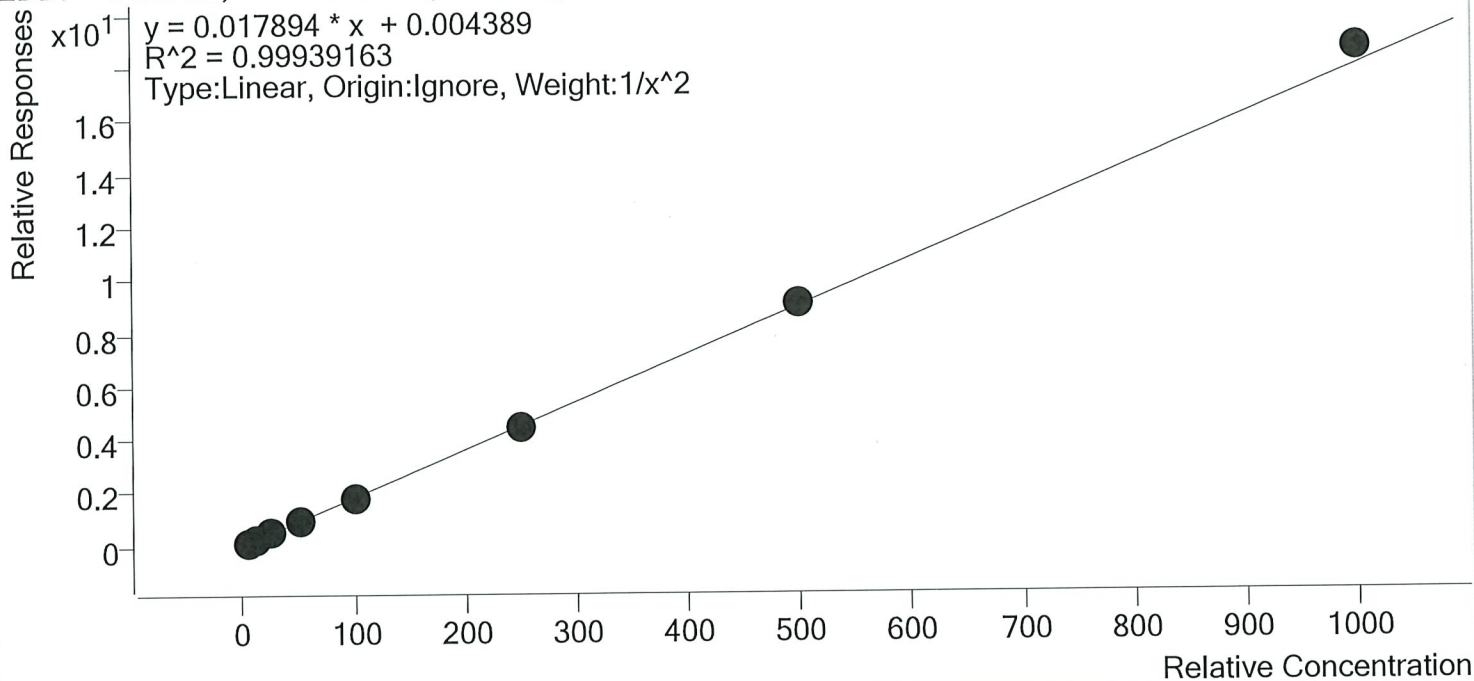| Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	105.6
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.2
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.9
p1 Cal 4-50ng	4	✓	50.0	49.1	98.3
p1 Cal 5-100ng	5	✓	100.0	97.9	97.9
p1 Cal 6-250ng	6	✓	250.0	248.9	99.6
p1 Cal 7-500ng	7	✓	500.0	491.1	98.2
p1 Cal 8-1000ng	8	✓	1000.0	1012.9	101.3

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\ 010820 AM 28 wklst 3929 TS\QuantResults\MDQ P1 TS.batch.bin

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Analyst Name   ISP\Datastor

Analyte   Hydrocodone   **Internal Standard**   Hydrocodone-D6

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

$y = 0.013261 * x + 0.015018$

$R^2 = 0.98468744$

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	93.8
p1 Cal 2- 10ng	2	✓	10.0	10.4	104.1
p1 Cal 3 -25ng	3	✓	25.0	28.7	114.8
p1 Cal 4-50ng	4	✓	50.0	56.1	112.2
p1 Cal 5-100ng	5	✓	100.0	104.8	104.8
p1 Cal 6-250ng	6	✓	250.0	239.0	95.6
p1 Cal 7-500ng	7	✓	500.0	457.2	91.4
p1 Cal 8-1000ng	8	✓	1000.0	832.4	83.2

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\ 010820 AM 28 wklst 3929 TS\QuantResults\MDQ P1 TS.batch.bin

Last Cal. Update   1/9/2020 9:19 AM

Analyst Name   ISP\Datastor

Analyte   Hydromorphone   **Internal Standard**   Hydromorphone-D6

Hydromorphone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs
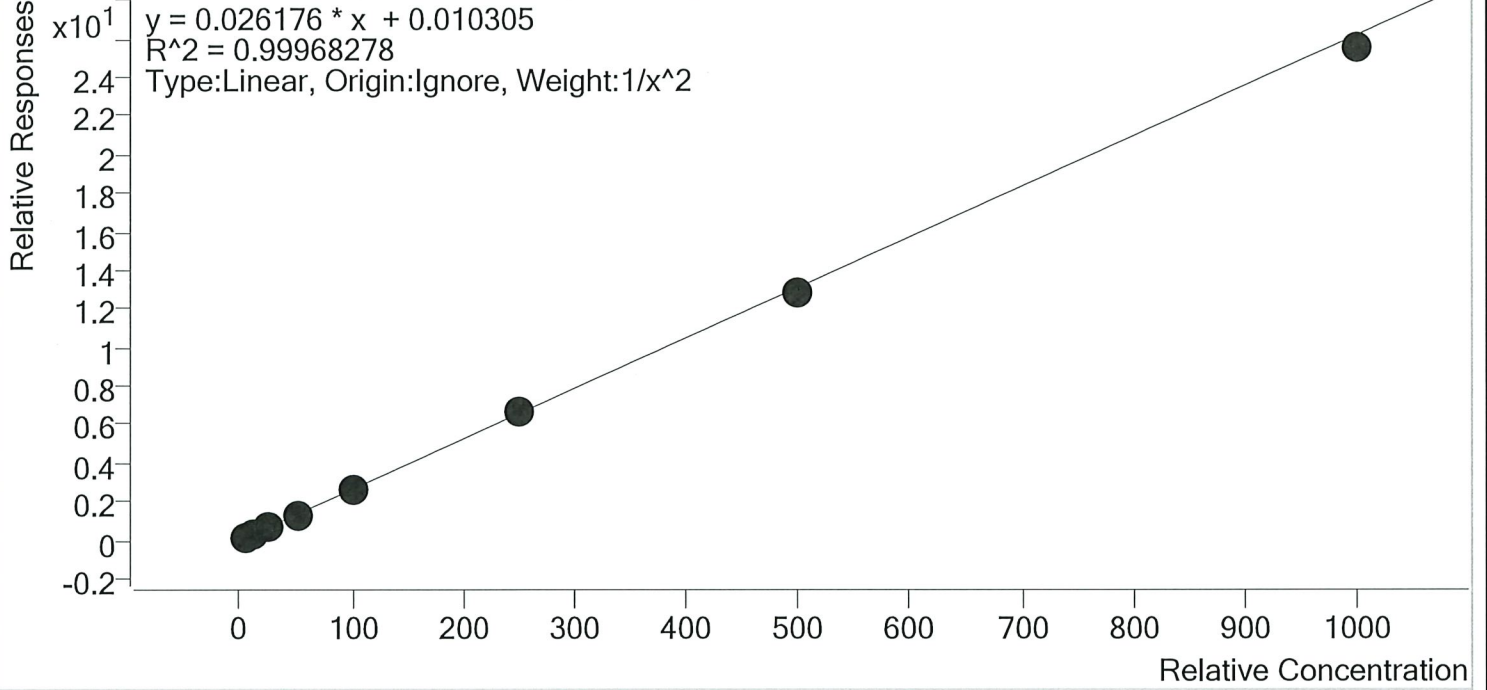
$y = 0.026176 * x + 0.010305$
$R^2 = 0.99968278$
Type:Linear, Origin:Ignore, Weight:1/x^2

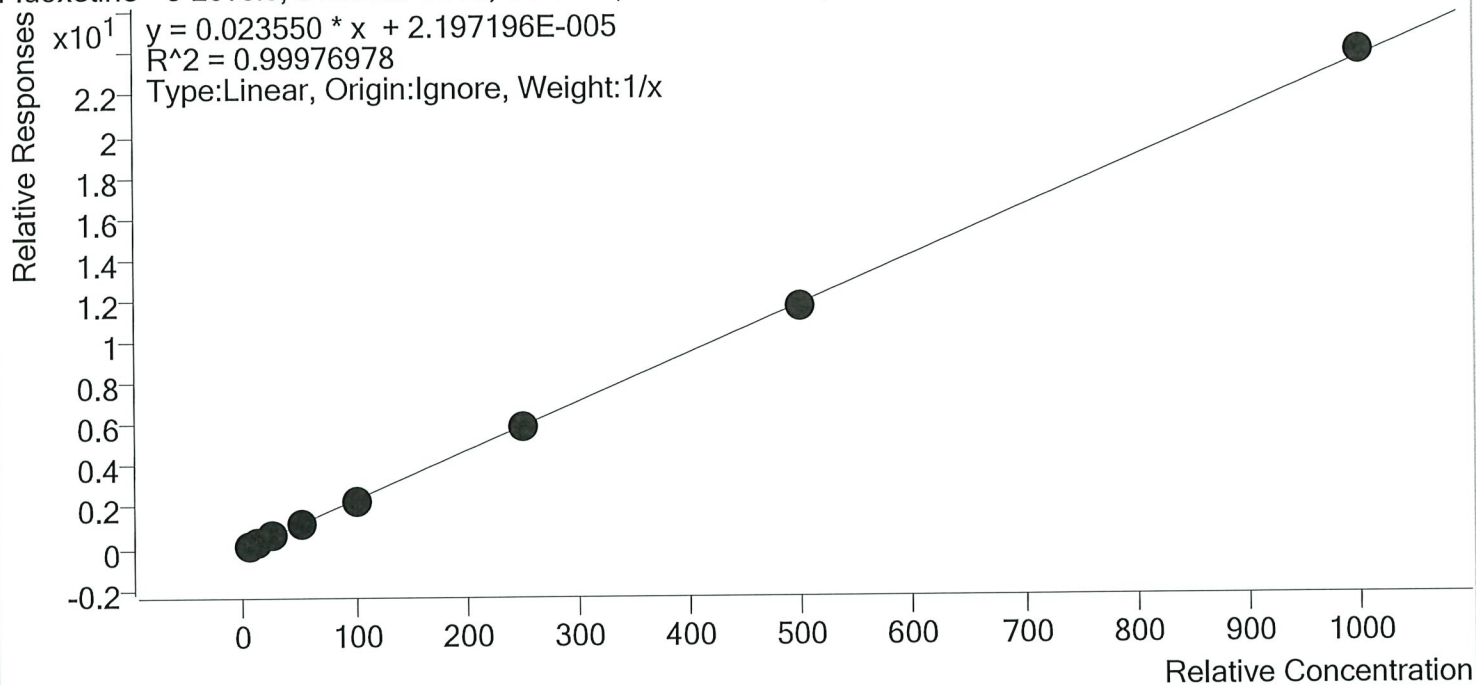| Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.3
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.7
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.5
p1 Cal 4-50ng	4	✓	50.0	51.2	102.4
p1 Cal 5-100ng	5	✓	100.0	100.6	100.6
p1 Cal 6-250ng	6	✓	250.0	251.2	100.5
p1 Cal 7-500ng	7	✓	500.0	492.9	98.6
p1 Cal 8-1000ng	8	✓	1000.0	974.0	97.4

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\ 010820 AM 28 wklst 3929 TS\QuantResults\MDQ P1 TS.batch.bin

Last Cal. Update   1/9/2020 9:19 AM

Analyst Name   ISP\Datastor

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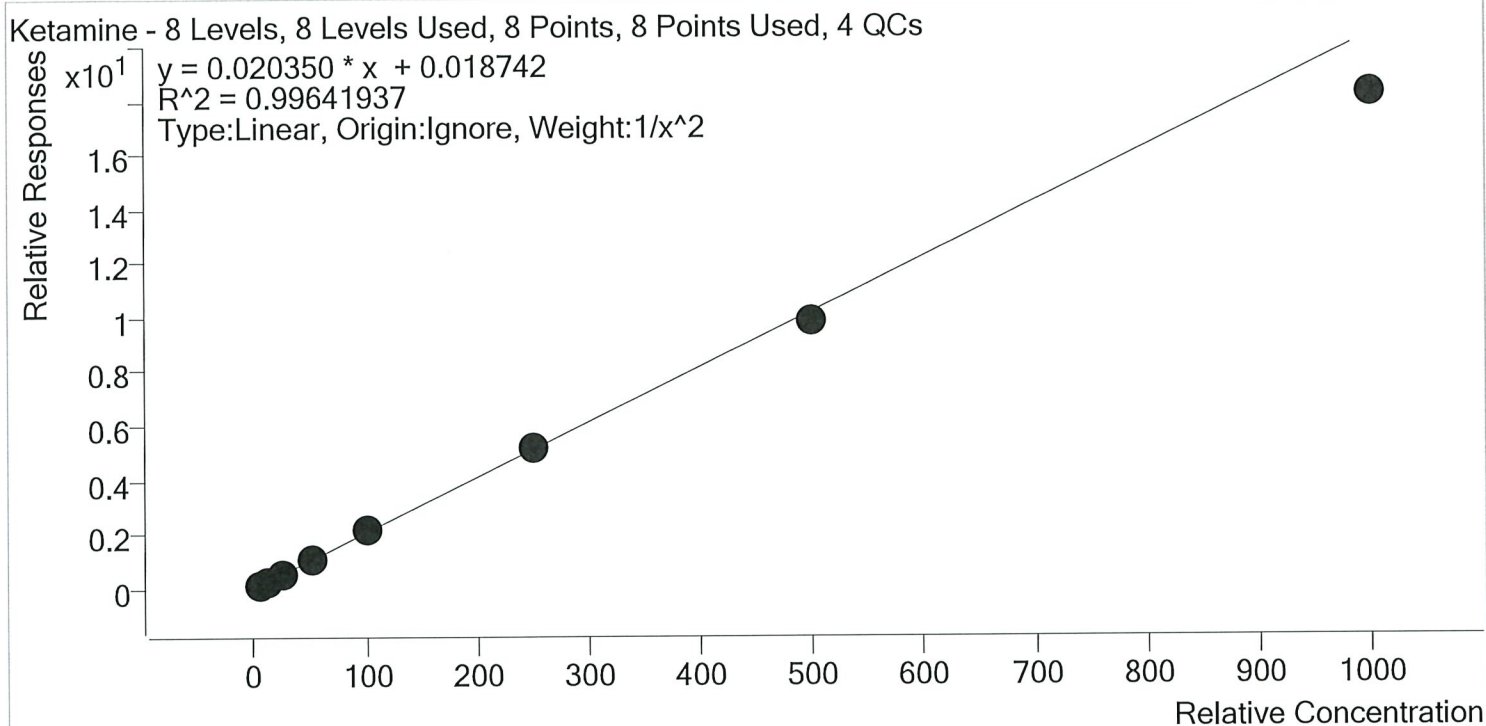
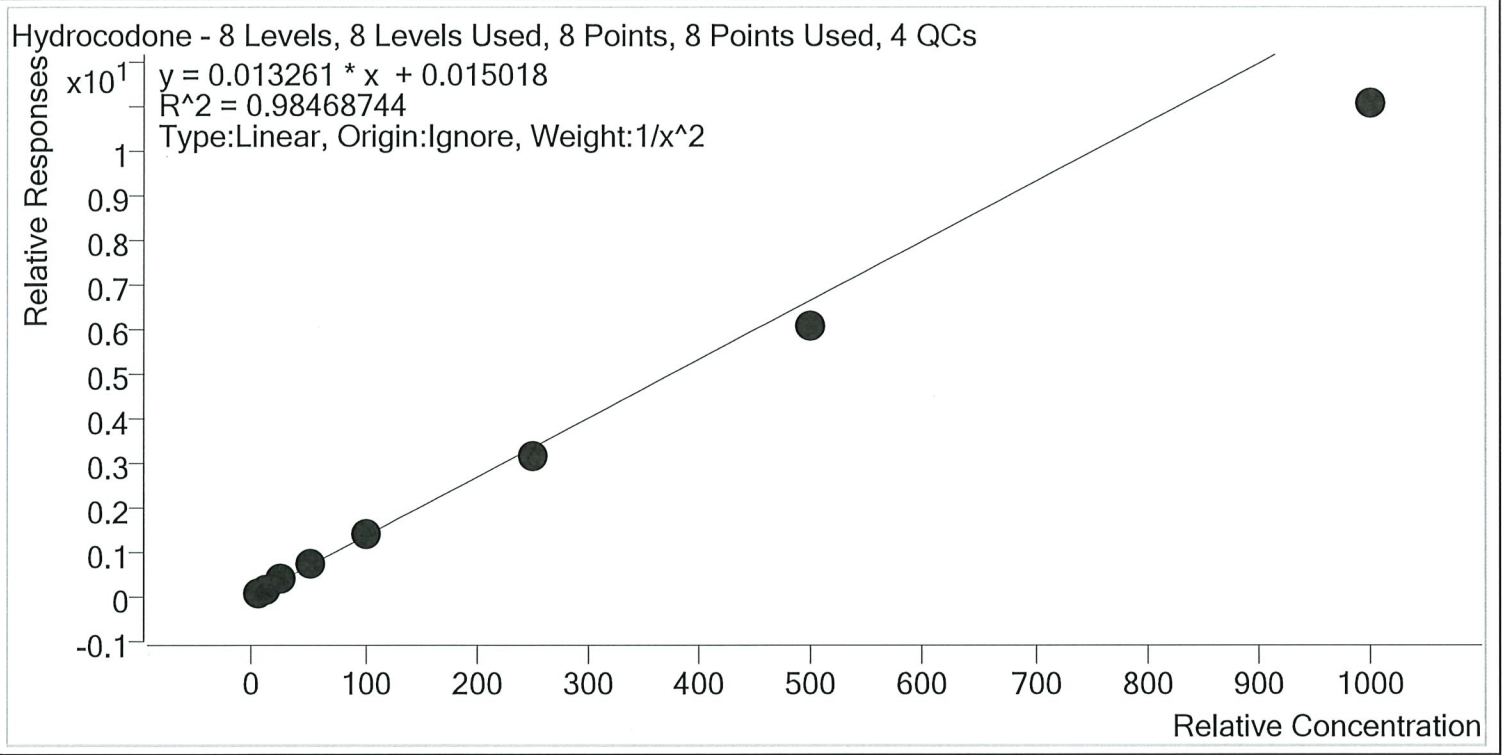Ketamine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.020350 * x + 0.018742$
$R^2 = 0.99641937$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

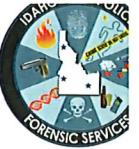| Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.5
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.4
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.2
p1 Cal 4-50ng	4	✓	50.0	52.8	105.5
p1 Cal 5-100ng	5	✓	100.0	103.5	103.5
p1 Cal 6-250ng	6	✓	250.0	253.7	101.5
p1 Cal 7-500ng	7	✓	500.0	484.9	97.0
p1 Cal 8-1000ng	8	✓	1000.0	893.8	89.4

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\ 010820 AM 28 wklst 3929 TS\QuantResults\MDQ P1 TS.batch.bin

Last Cal. Update   1/9/2020 9:19 AM

Analyst Name   ISP\Datastor

Analyte   Lamotrigine   **Internal Standard**   Ketamine-D4

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

$y = 0.001954 * x + 0.002371$
$R^2 = 0.98737692$
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	94.7
p1 Cal 2- 10ng	2	✓	10.0	10.7	107.0
p1 Cal 3 -25ng	3	✓	25.0	26.8	107.0
p1 Cal 4-50ng	4	✓	50.0	53.9	107.9
p1 Cal 5-100ng	5	✓	100.0	98.8	98.8
p1 Cal 6-250ng	6	✓	250.0	211.7	84.7
p1 Cal 7-500ng	7	✗	500.0	333.2	66.6
p1 Cal 8-1000ng	8	✗	1000.0	477.0	47.7

TS

Batch results	D:\MassHunter\Data\2020\AM 27-28\ 010820 AM 28 wklst 3929 TS\QuantResults\MDQ P1 TS.batch.bin
Last Cal. Update	1/9/2020 9:19 AM
Analyst Name	ISP\Datastor
Analyte	Lorazepam

Internal Standard Clonazepam-D4

Lorazepam - 8 Levels, 5 Levels Used, 8 Points, 5 Points Used, 4 QCs
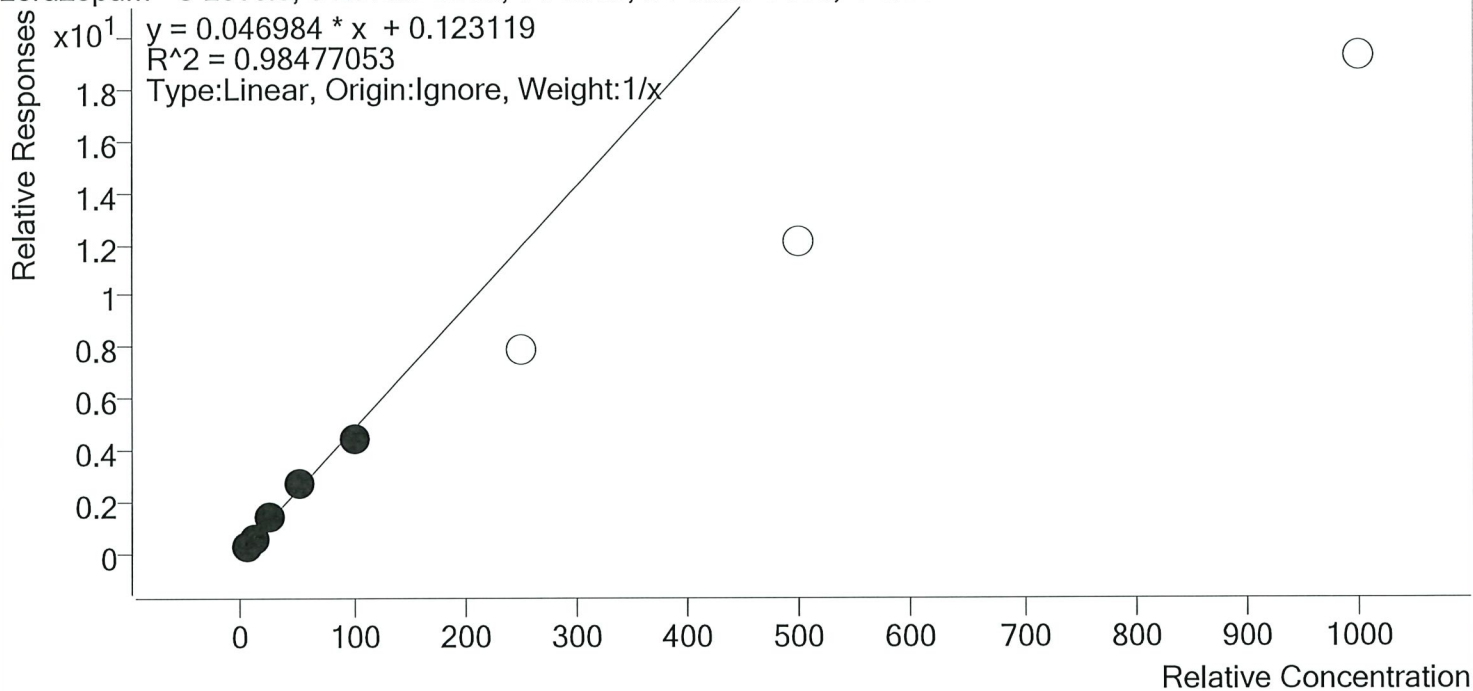
$y = 0.046984 * x + 0.123119$
$R^2 = 0.98477053$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	3.9	79.0
p1 Cal 2- 10ng	2	✓	10.0	10.4	104.2
p1 Cal 3 -25ng	3	✓	25.0	28.8	115.3
p1 Cal 4-50ng	4	✓	50.0	54.7	109.4
p1 Cal 5-100ng	5	✓	100.0	92.1	92.1
p1 Cal 6-250ng	6	✗	250.0	165.2	66.1
p1 Cal 7-500ng	7	✗	500.0	254.9	51.0
p1 Cal 8-1000ng	8	✗	1000.0	407.3	40.7

AM #28 Multi-Drug Quant. Calibration Curve Report

**Batch results**   D:\MassHunter\Data\2020\AM 27-28\ 010820 AM 28 wklst 3929 TS\QuantResults\MDQ P1 TS.batch.bin

Last Cal. Update   1/9/2020 9:19 AM

Analyst Name   ISP\Datastor

Analyte   Meprobamate   **Internal Standard**   Meprobamate-D7
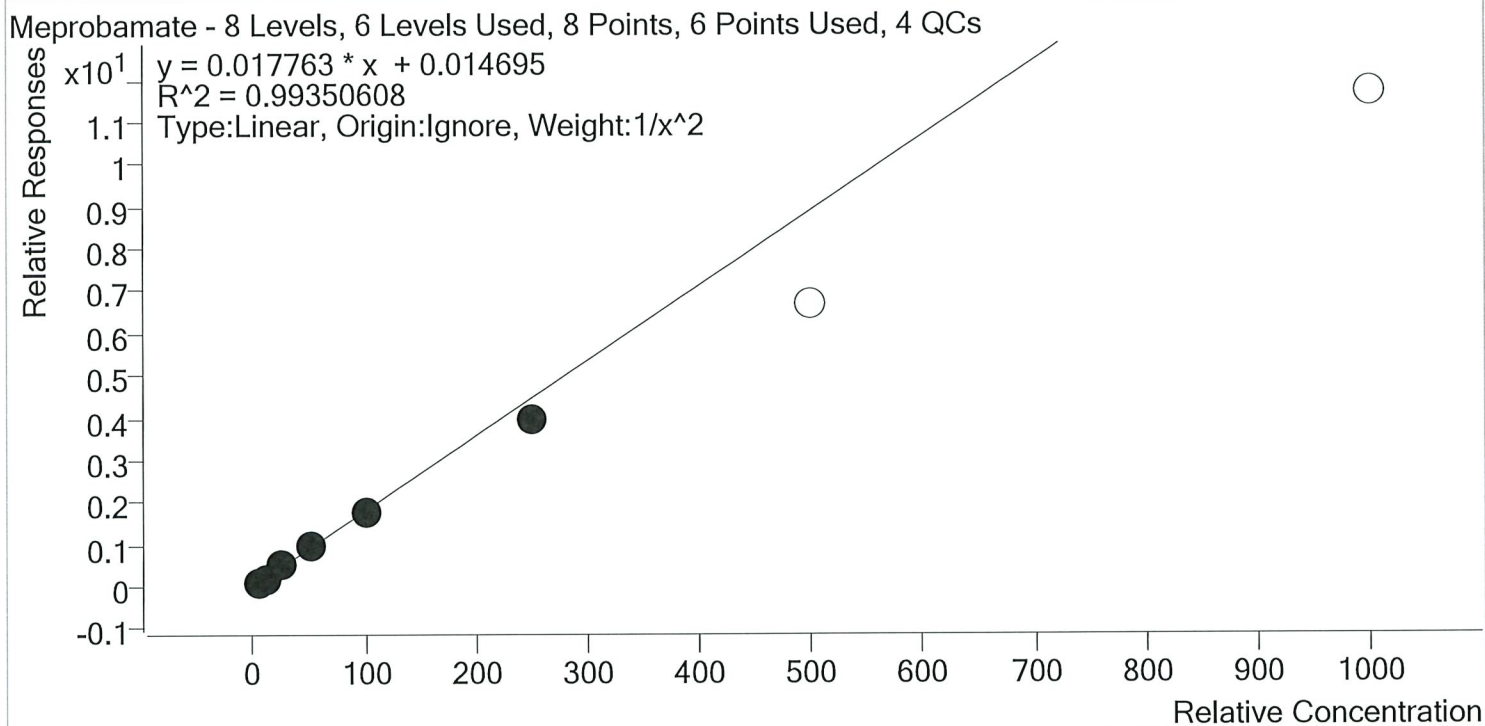
Meprobamate - 8 Levels, 6 Levels Used, 8 Points, 6 Points Used, 4 QCs

$y = 0.017763 * x + 0.014695$

$R^2 = 0.99350608$

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

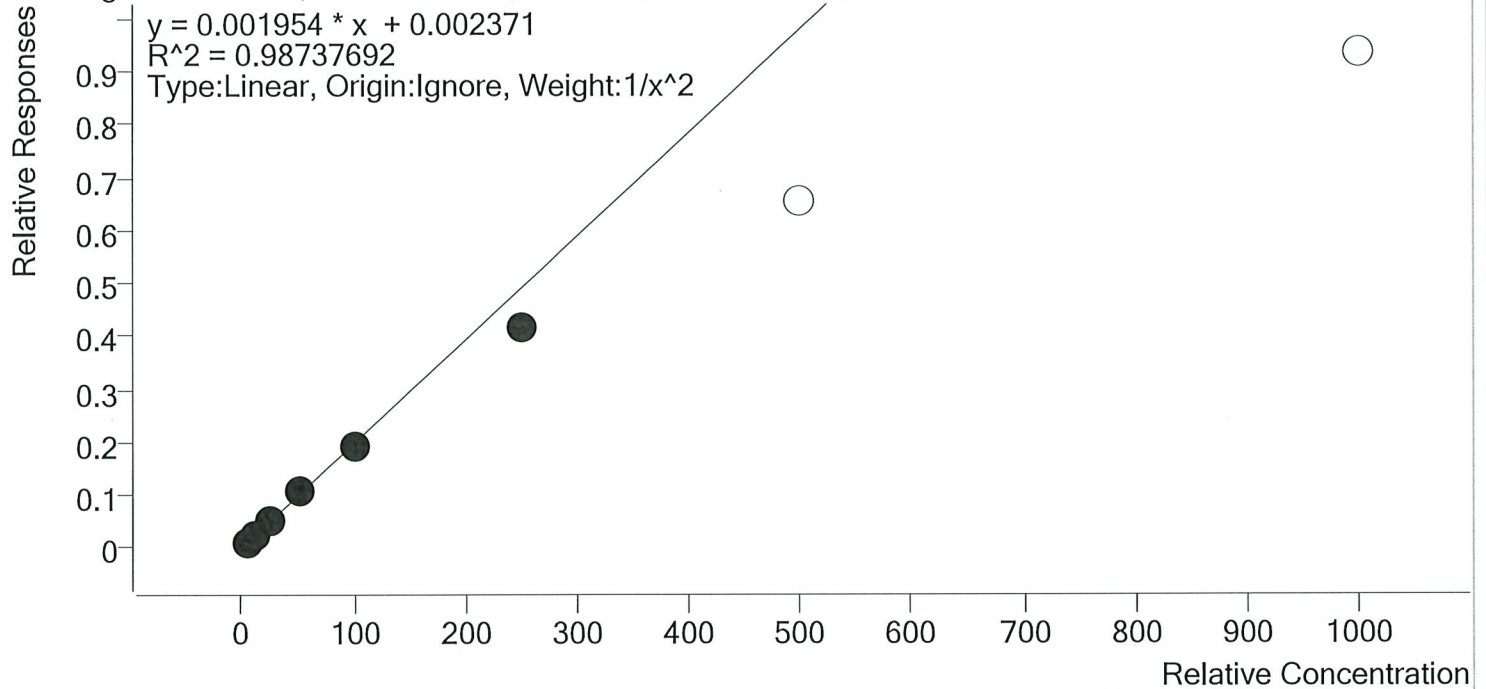| Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.6
p1 Cal 2- 10ng	2	✓	10.0	10.4	103.9
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.5
p1 Cal 4-50ng	4	✓	50.0	52.8	105.6
p1 Cal 5-100ng	5	✓	100.0	99.7	99.7
p1 Cal 6-250ng	6	✓	250.0	221.7	88.7
p1 Cal 7-500ng	7	✗	500.0	375.5	75.1
p1 Cal 8-1000ng	8	✗	1000.0	657.0	65.7

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\ 010820 AM 28 wklst 3929 TS\QuantResults\MDQ P1 TS.batch.bin

Last Cal. Update   1/9/2020 9:19 AM

Analyst Name   ISP\Datastor

Analyte   Methadone   **Internal Standard**   Methadone-D9

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

$y = 0.021604 * x - 0.007601$
$R^2 = 0.99984343$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.4	108.6
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.2
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.8
p1 Cal 4-50ng	4	✓	50.0	48.9	97.9
p1 Cal 5-100ng	5	✓	100.0	98.0	98.0
p1 Cal 6-250ng	6	✓	250.0	249.2	99.7
p1 Cal 7-500ng	7	✓	500.0	494.7	98.9
p1 Cal 8-1000ng	8	✓	1000.0	1009.7	101.0

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\ 010820 AM 28 wklst 3929 TS\QuantResults\MDQ P1 TS.batch.bin
Last Cal. Update	1/9/2020 9:19 AM
Analyst Name	ISP\Datastor
Analyte	Methamphetamine **Internal Standard** Methamphetamine-D11

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

$y = 0.022898 * x + 0.025398$
$R^2 = 0.99494068$
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	101.0
p1 Cal 3 -25ng	3	✓	25.0	26.0	104.1
p1 Cal 4-50ng	4	✓	50.0	53.7	107.4
p1 Cal 5-100ng	5	✓	100.0	102.8	102.8
p1 Cal 6-250ng	6	✓	250.0	245.5	98.2
p1 Cal 7-500ng	7	✓	500.0	442.9	88.6
p1 Cal 8-1000ng	8	✗	1000.0	753.6	75.4

AM #28 Multi-Drug Quant. Calibration Curve Report

TS

Batch results	D:\MassHunter\Data\2020\AM 27-28\ 010820 AM 28 wklst 3929 TS\QuantResults\MDQ P1 TS.batch.bin
Last Cal. Update	1/9/2020 9:19 AM
Analyst Name	ISP\Datastor
Analyte	Metoprolol

Internal Standard Tramadol-13C-D3

Metoprolol - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs
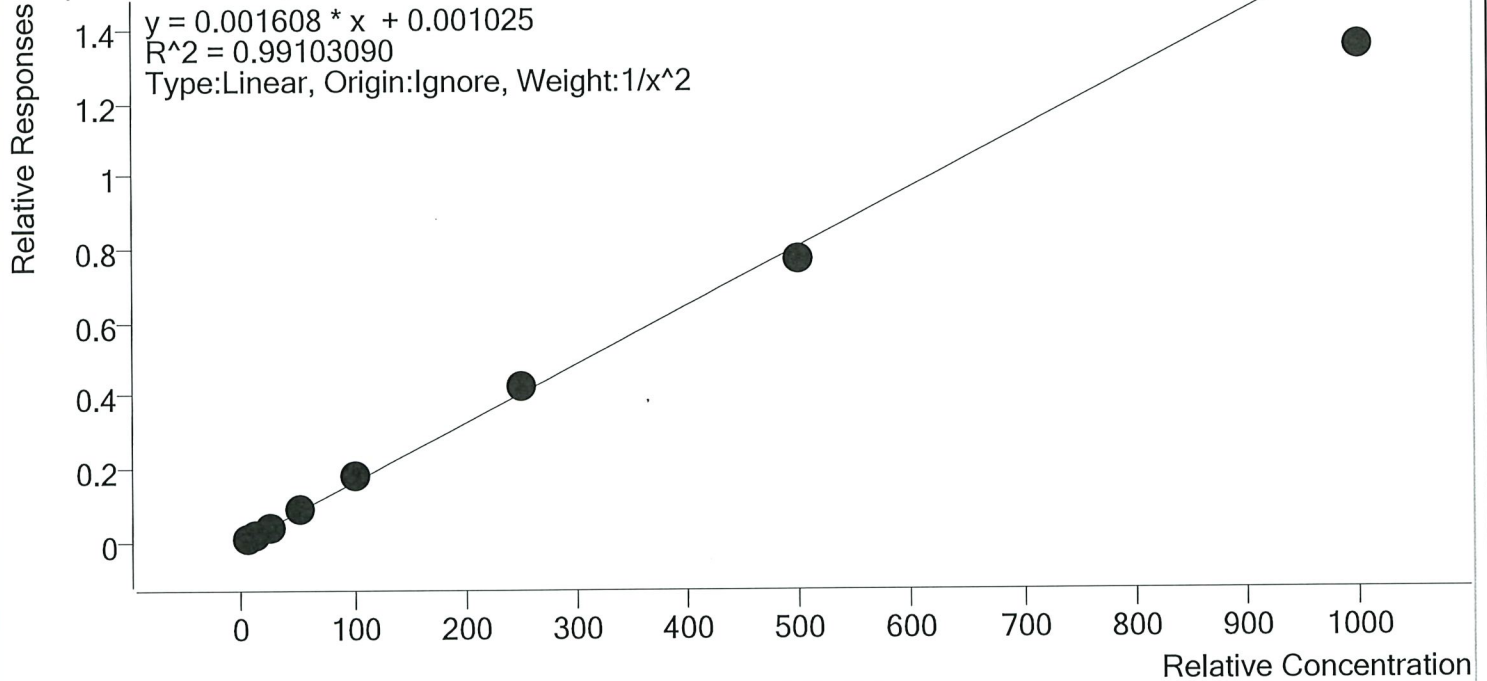
$y = 0.001608 * x + 0.001025$
$R^2 = 0.99103090$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.3
p1 Cal 2- 10ng	2	✓	10.0	9.7	97.1
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.6
p1 Cal 4-50ng	4	✓	50.0	54.2	108.4
p1 Cal 5-100ng	5	✓	100.0	108.8	108.8
p1 Cal 6-250ng	6	✓	250.0	265.9	106.4
p1 Cal 7-500ng	7	✓	500.0	479.1	95.8
p1 Cal 8-1000ng	8	✓	1000.0	837.7	83.8

AM #28 Multi-Drug Quant. Calibration Curve Report
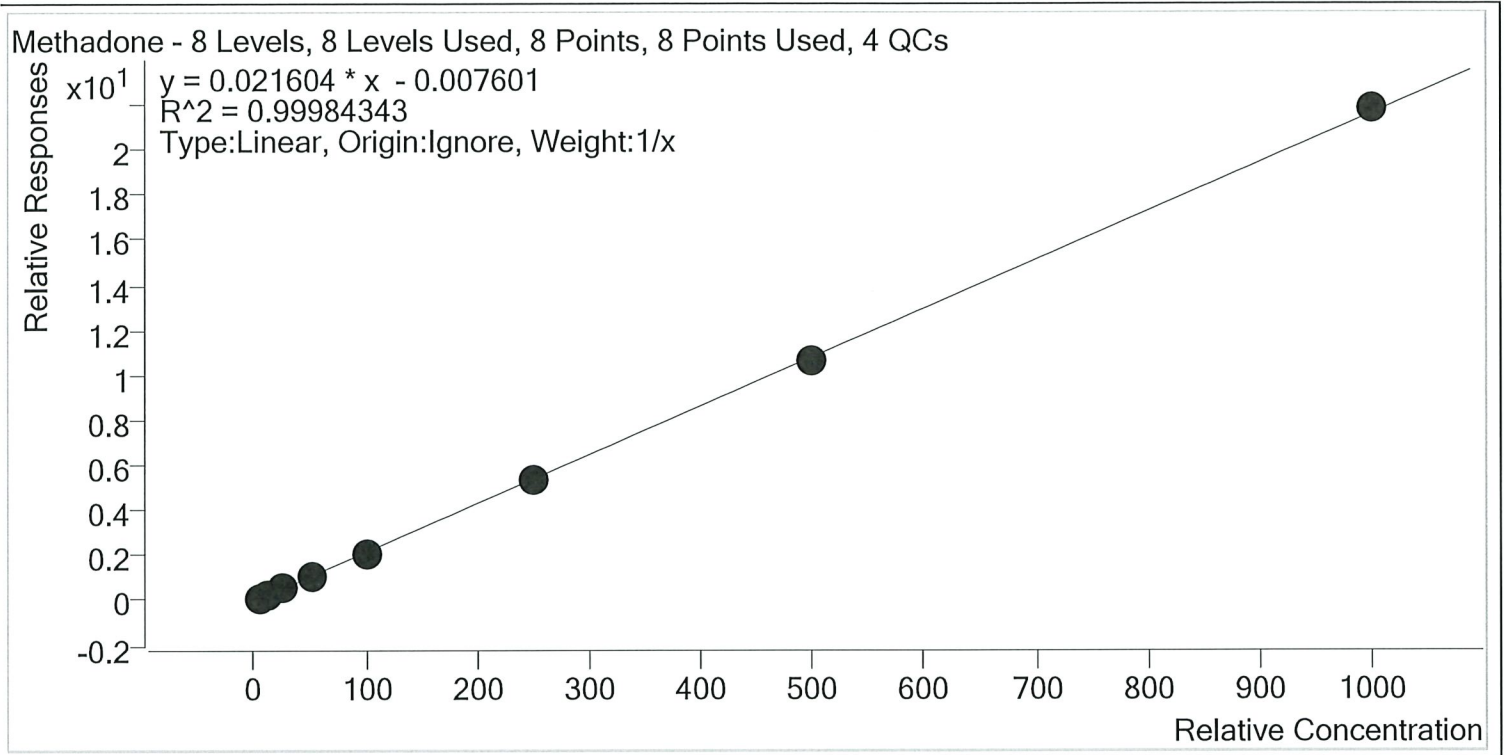
Batch results	D:\MassHunter\Data\2020\AM 27-28\ 010820 AM 28 wklst 3929 TS\QuantResults\MDQ P1 TS.batch.bin
Last Cal. Update	1/9/2020 9:19 AM
Analyst Name	ISP\Datastor
Analyte	Mirtazapine

Internal Standard alpha-PVP-d8

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

$y = 0.029011 * x - 0.011621$
$R^2 = 0.98974016$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

Relative Responses ($\times 10^1$) vs Relative Concentration

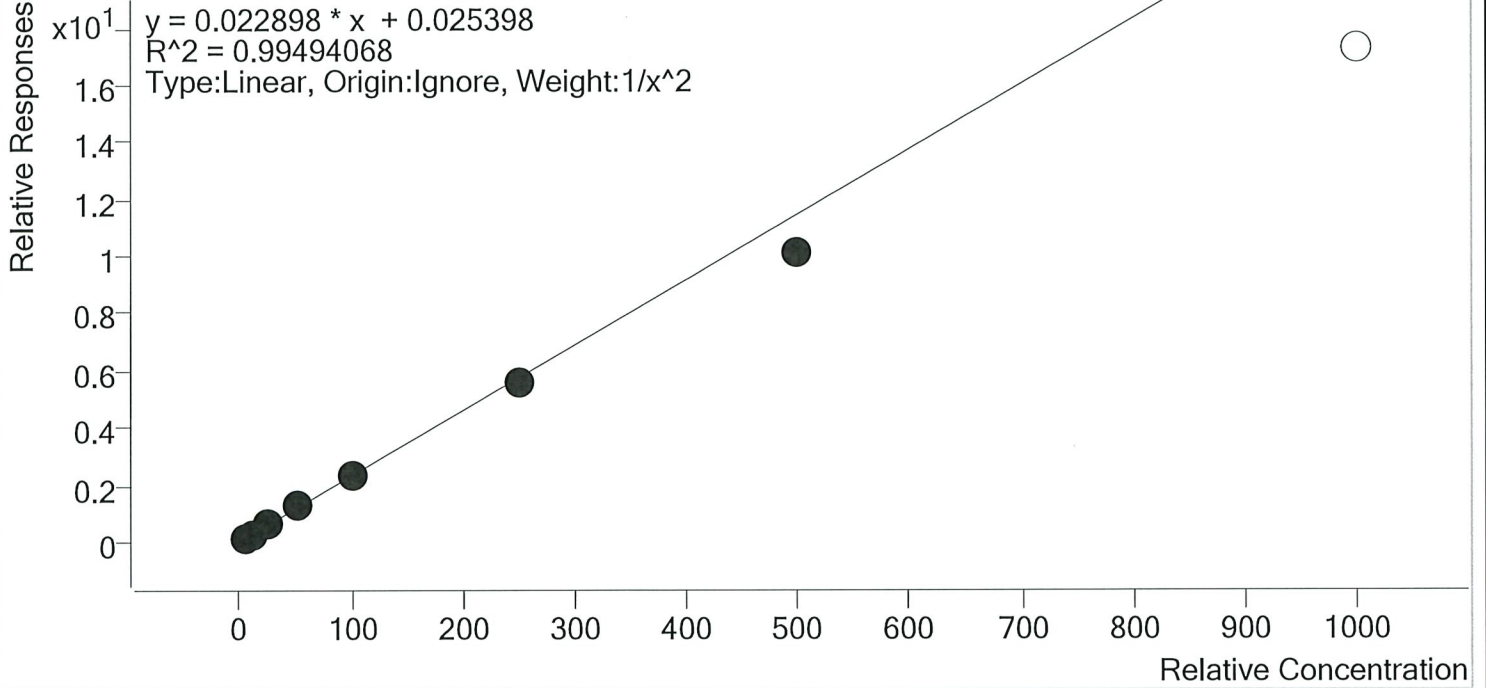| Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.5	109.3
p1 Cal 2- 10ng	2	✓	10.0	8.1	80.7
p1 Cal 3 -25ng	3	✗	25.0	16.2	64.7
p1 Cal 4-50ng	4	✓	50.0	50.9	101.9
p1 Cal 5-100ng	5	✓	100.0	101.1	101.1
p1 Cal 6-250ng	6	✓	250.0	256.0	102.4
p1 Cal 7-500ng	7	✓	500.0	498.9	99.8
p1 Cal 8-1000ng	8	✓	1000.0	1047.9	104.8

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\ 010820 AM 28 wklst 3929 TS\QuantResults\MDQ P1 TS.batch.bin

Last Cal. Update   1/9/2020 9:19 AM

Analyst Name   ISP\Datastor

Analyte   Mitragynine   **Internal Standard**   Methadone-D9
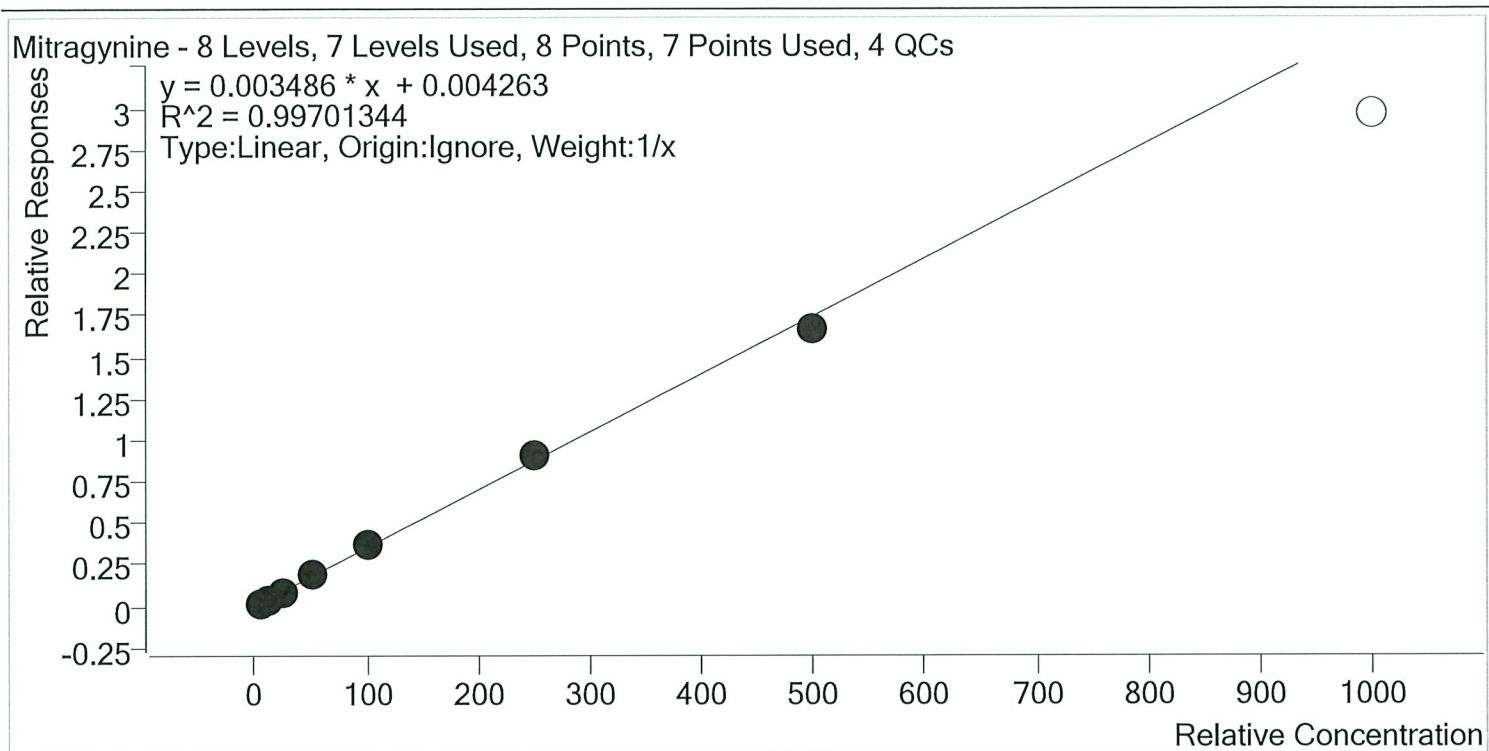
Mitragynine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs

$y = 0.003486 * x + 0.004263$
$R^2 = 0.99701344$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.1	82.9
p1 Cal 2- 10ng	2	✓	10.0	10.4	104.0
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.9
p1 Cal 4-50ng	4	✓	50.0	53.7	107.3
p1 Cal 5-100ng	5	✓	100.0	106.2	106.2
p1 Cal 6-250ng	6	✓	250.0	262.8	105.1
p1 Cal 7-500ng	7	✓	500.0	478.1	95.6
p1 Cal 8-1000ng	8	✗	1000.0	849.6	85.0

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\ 010820 AM 28 wklst 3929 TS\QuantResults\MDQ P1 TS.batch.bin

Last Cal. Update   1/9/2020 9:19 AM

Analyst Name   ISP\Datastor

Analyte   Morphine   **Internal Standard**   Morphine-D6

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

$y = 0.091674 * x + 0.044523$
$R^2 = 0.99887227$
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	101.5
p1 Cal 2- 10ng	2	✓	10.0	9.6	95.7
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.6
p1 Cal 4-50ng	4	✓	50.0	52.6	105.2
p1 Cal 5-100ng	5	✓	100.0	99.6	99.6
p1 Cal 6-250ng	6	✓	250.0	253.0	101.2
p1 Cal 7-500ng	7	✓	500.0	494.8	99.0
p1 Cal 8-1000ng	8	✓	1000.0	972.3	97.2

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\ 010820 AM 28 wklst 3929 TS\QuantResults\MDQ P1 TS.batch.bin
Last Cal. Update	1/9/2020 9:19 AM
Analyst Name	ISP\Datastor
Analyte	Norbuprenorphine

Internal Standard   Norbuprenorphine-D3

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

$y = 0.020498 * x + 0.004074$
$R^2 = 0.99746763$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

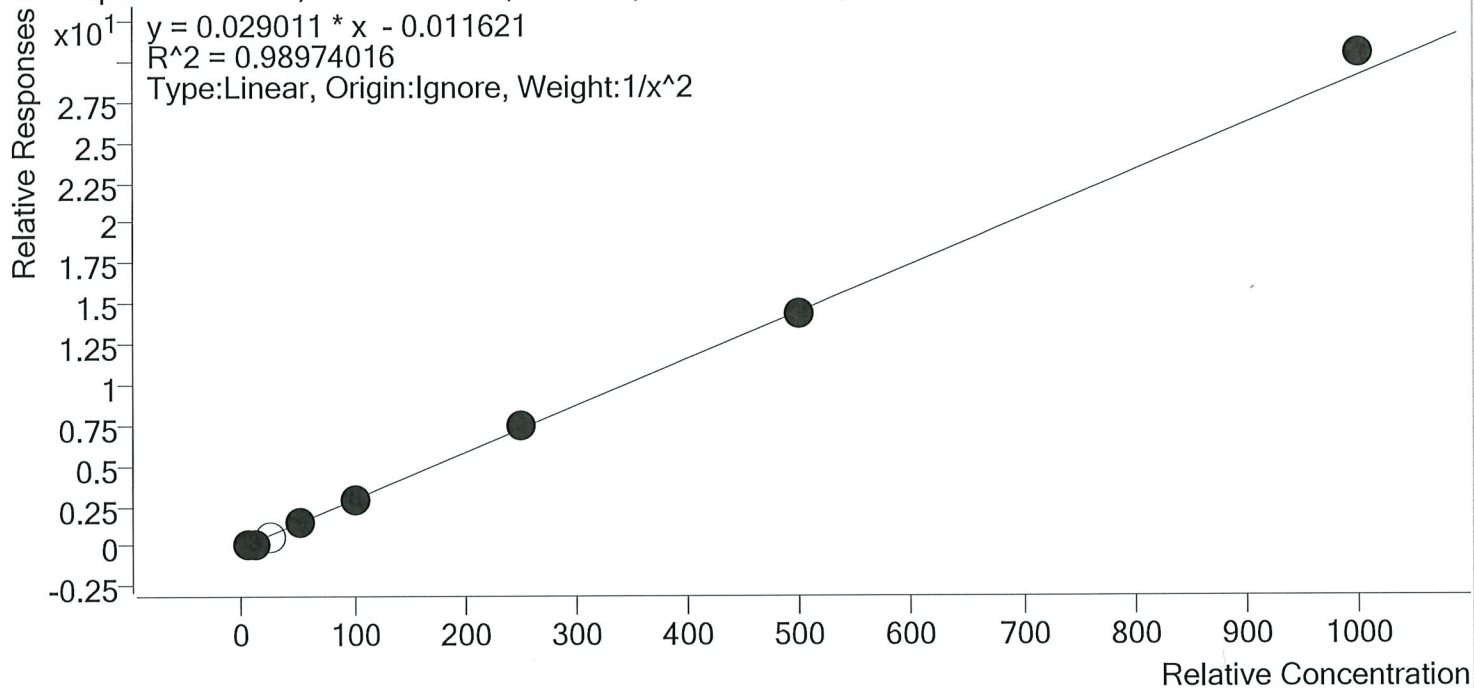| Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	100.7
p1 Cal 2- 10ng	2	✓	1.0	1.0	102.3
p1 Cal 3 -25ng	3	✓	2.5	2.3	91.3
p1 Cal 4-50ng	4	✓	5.0	4.9	97.9
p1 Cal 5-100ng	5	✓	10.0	10.1	101.2
p1 Cal 6-250ng	6	✓	25.0	24.4	97.6
p1 Cal 7-500ng	7	✓	50.0	52.0	104.0
p1 Cal 8-1000ng	8	✓	100.0	105.0	105.0

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\ 010820 AM 28 wklst 3929 TS\QuantResults\MDQ P1 TS.batch.bin

Last Cal. Update   1/9/2020 9:19 AM

Analyst Name   ISP\Datastor

Analyte   Nordiazepam   **Internal Standard**   Nordiazepam-D5

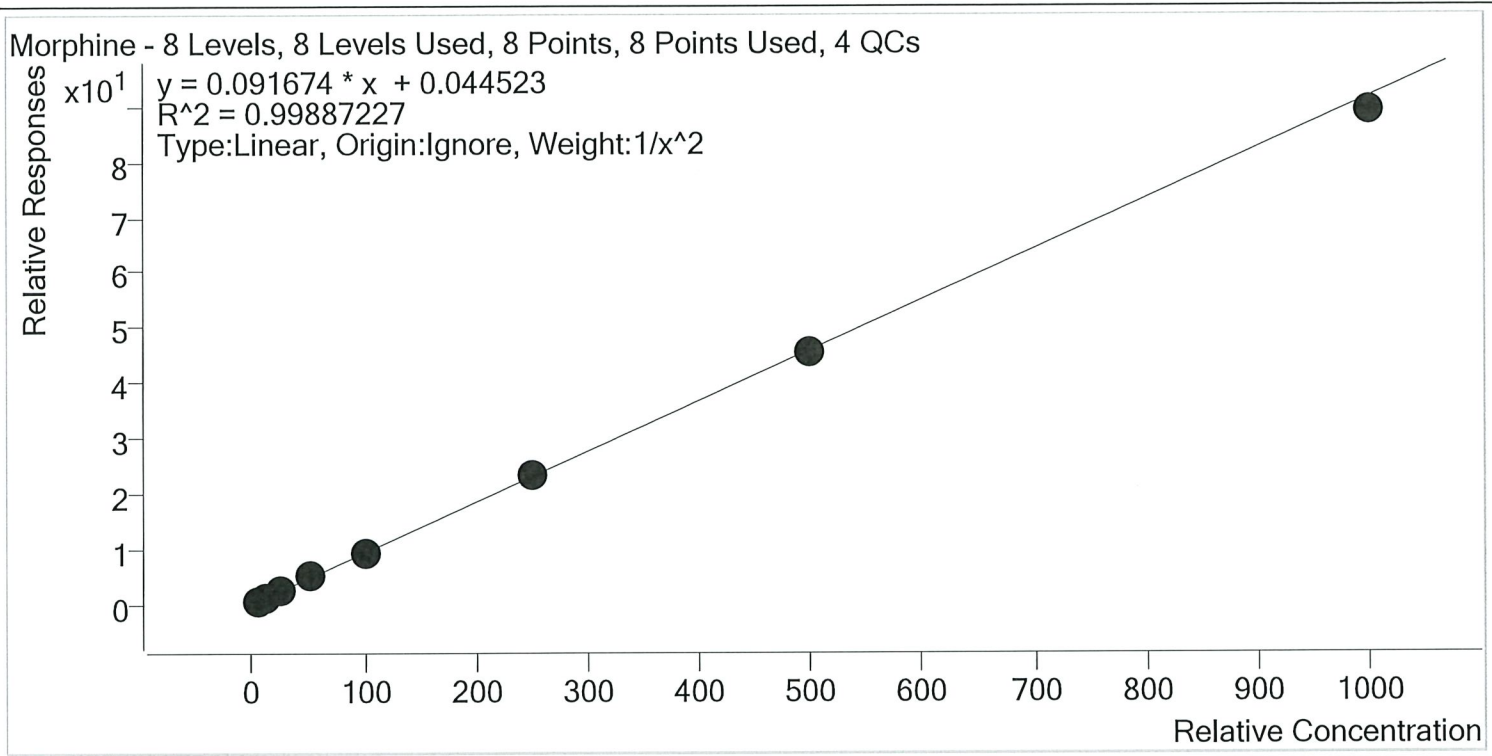Nordiazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.030171 * x + 0.016913$
$R^2 = 0.99680871$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

X-axis: Relative Concentration
Y-axis: Relative Responses ($\times 10^1$)

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.4
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.0
p1 Cal 3 -25ng	3	✓	25.0	25.5	101.8
p1 Cal 4-50ng	4	✓	50.0	52.9	105.8
p1 Cal 5-100ng	5	✓	100.0	104.5	104.5
p1 Cal 6-250ng	6	✓	250.0	255.9	102.4
p1 Cal 7-500ng	7	✓	500.0	475.2	95.0
p1 Cal 8-1000ng	8	✓	1000.0	911.5	91.2

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\ 010820 AM 28 wklst 3929 TS\QuantResults\MDQ P1 TS.batch.bin
Last Cal. Update	1/9/2020 9:19 AM
Analyst Name	ISP\Datastor
Analyte	Norfentanyl

Internal Standard   Norfentanyl-D5

Norfentanyl - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs
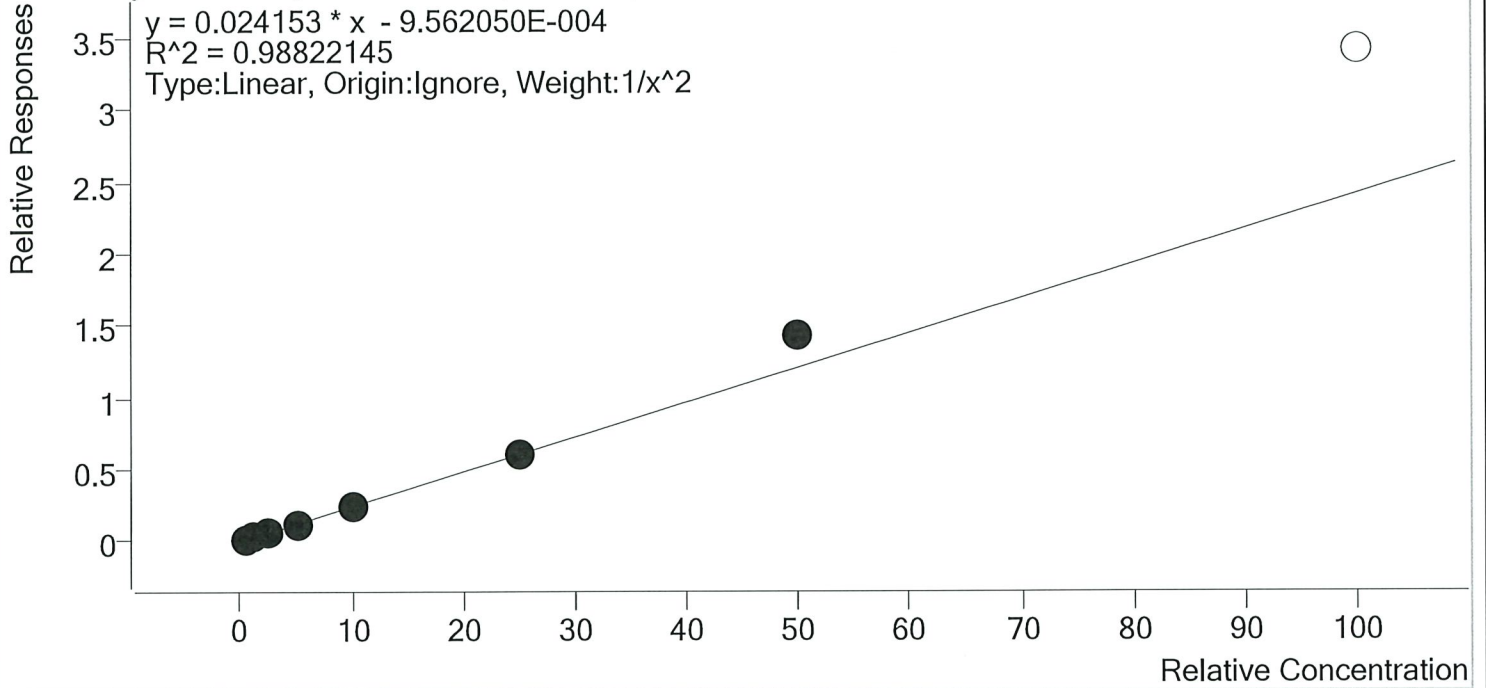
$y = 0.024153 * x - 9.562050E\text{-}004$
$R^2 = 0.98822145$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	104.9
p1 Cal 2- 10ng	2	✓	1.0	1.0	95.1
p1 Cal 3 -25ng	3	✓	2.5	2.3	90.8
p1 Cal 4-50ng	4	✓	5.0	4.7	94.7
p1 Cal 5-100ng	5	✓	10.0	9.5	94.7
p1 Cal 6-250ng	6	✓	25.0	25.5	102.0
p1 Cal 7-500ng	7	✓	50.0	58.9	117.8
p1 Cal 8-1000ng	8	✗	100.0	141.6	141.6

AM #28 Multi-Drug Quant. Calibration Curve Report

TS

Batch results D:\MassHunter\Data\2020\AM 27-28\ 010820 AM 28 wklst 3929 TS\QuantResults\MDQ P1 TS.batch.bin

Last Cal. Update 1/9/2020 9:19 AM

Analyst Name ISP\Datastor
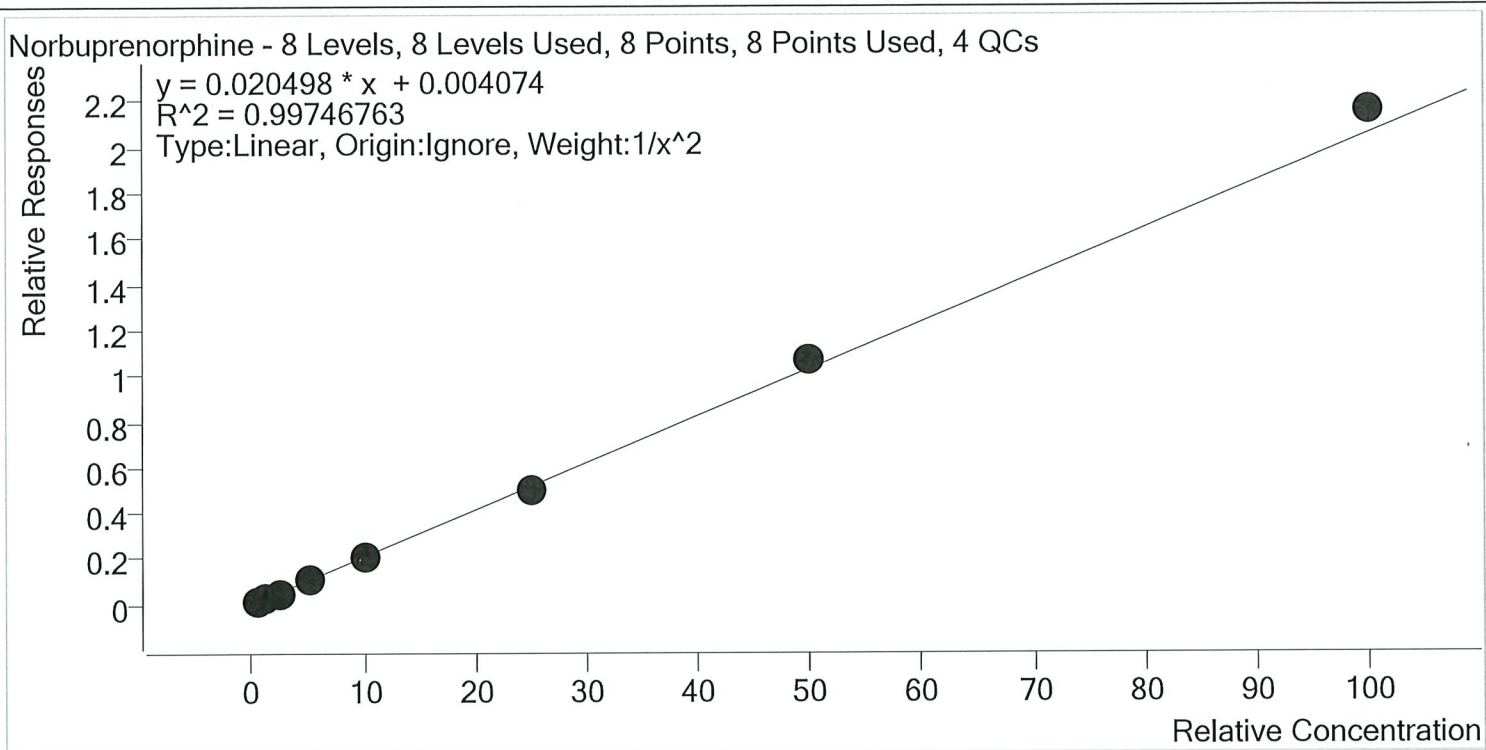
Analyte Norhydrocodone   **Internal Standard** Norhydrocodone-D3
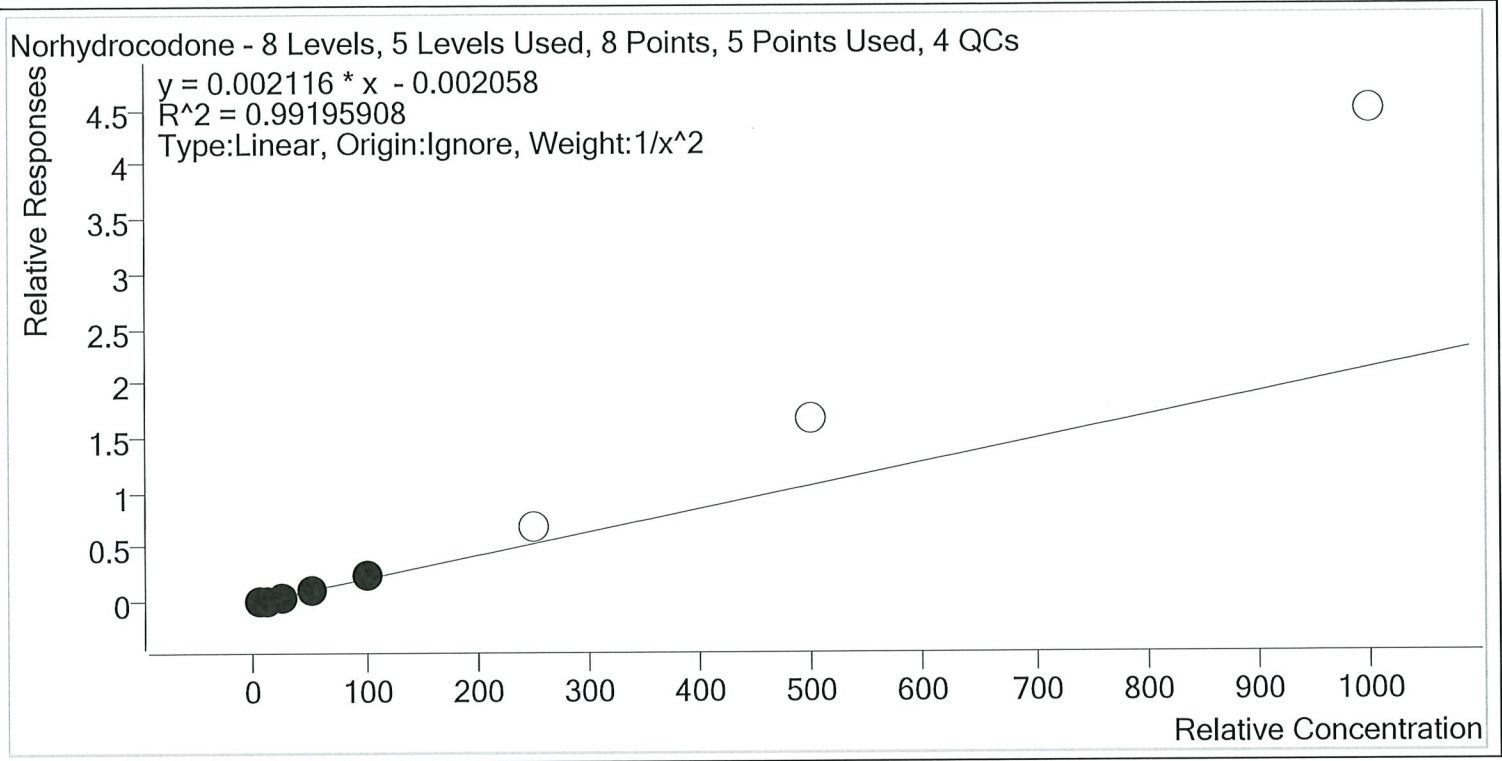
Norhydrocodone - 8 Levels, 5 Levels Used, 8 Points, 5 Points Used, 4 QCs

$y = 0.002116 * x - 0.002058$
$R^2 = 0.99195908$
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	103.9
p1 Cal 2- 10ng	2	✓	10.0	9.4	94.1
p1 Cal 3 -25ng	3	✓	25.0	23.2	92.7
p1 Cal 4-50ng	4	✓	50.0	49.9	99.8
p1 Cal 5-100ng	5	✓	100.0	109.4	109.4
p1 Cal 6-250ng	6	✗	250.0	329.7	131.9
p1 Cal 7-500ng	7	✗	500.0	785.6	157.1
p1 Cal 8-1000ng	8	✗	1000.0	2120.8	212.1

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\ 010820 AM 28 wklst 3929 TS\QuantResults\MDQ P1 TS.batch.bin

Last Cal. Update   1/9/2020 9:19 AM

Analyst Name   ISP\Datastor

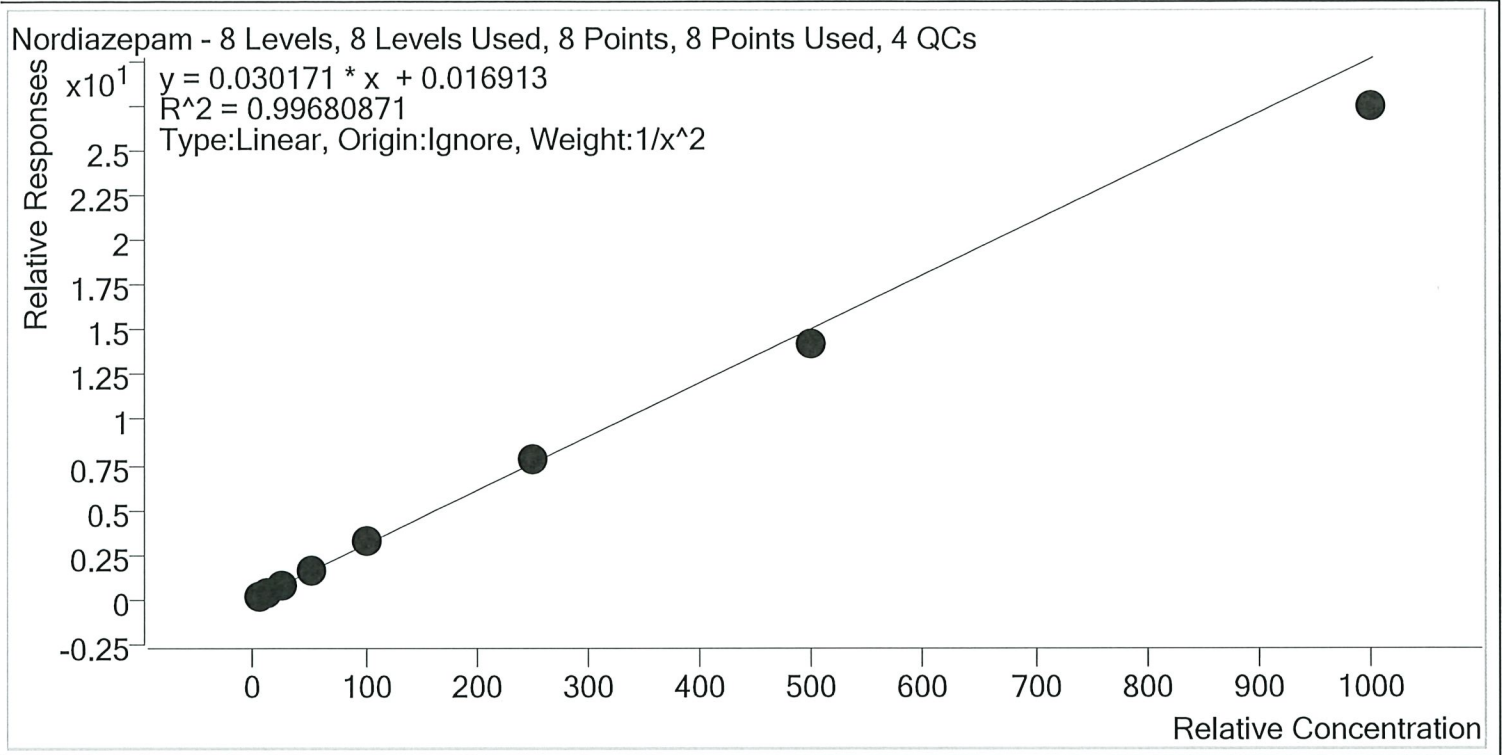**Analyte**   Noroxycodone   **Internal Standard**   Noroxycodone-D3

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

$y = 0.031561 * x + 0.009999$
$R^2 = 0.99915598$
Type:Linear, Origin:Ignore, Weight:1/x^2

Relative Responses (x10¹) vs Relative Concentration

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	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.7
p1 Cal 4-50ng	4	✓	50.0	52.0	104.0
p1 Cal 5-100ng	5	✓	100.0	100.5	100.5
p1 Cal 6-250ng	6	✓	250.0	255.3	102.1
p1 Cal 7-500ng	7	✓	500.0	500.9	100.2
p1 Cal 8-1000ng	8	✓	1000.0	963.7	96.4

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\ 010820 AM 28 wklst 3929 TS\QuantResults\MDQ P1 TS.batch.bin
Last Cal. Update	1/9/2020 9:19 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

$y = 0.018309 * x + 0.004159$
$R^2 = 0.99992415$
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	100.1
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.7
p1 Cal 4-50ng	4	✓	50.0	50.1	100.2
p1 Cal 5-100ng	5	✓	100.0	99.2	99.2
p1 Cal 6-250ng	6	✓	250.0	252.6	101.0
p1 Cal 7-500ng	7	✓	500.0	503.3	100.7
p1 Cal 8-1000ng	8	✓	1000.0	999.3	99.9

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\ 010820 AM 28 wklst 3929 TS\QuantResults\MDQ P1 TS.batch.bin

Last Cal. Update 1/9/2020 9:19 AM

Analyst Name ISP\Datastor

Analyte Oxazepam **Internal Standard** Oxazepam-D5
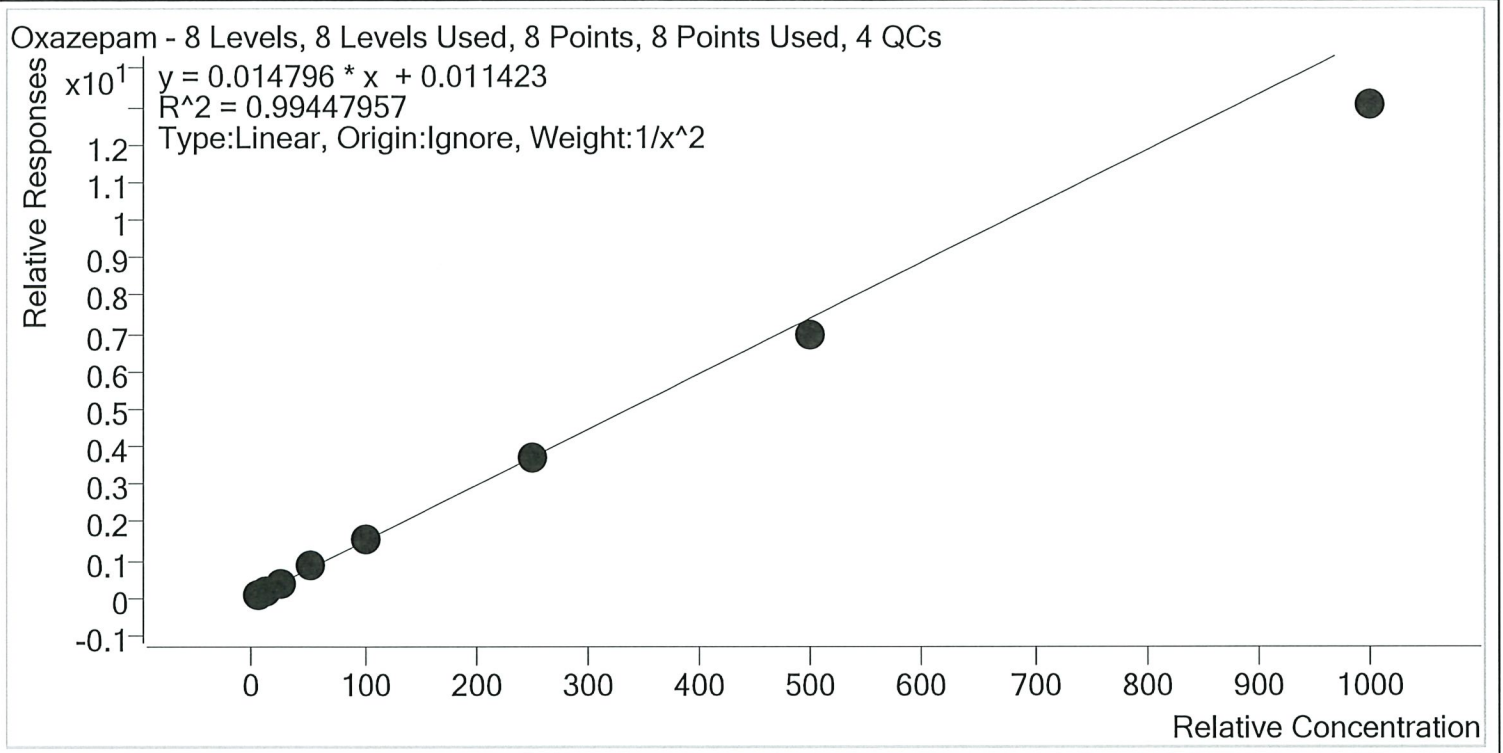
Oxazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.014796 * x + 0.011423$
$R^2 = 0.99447957$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

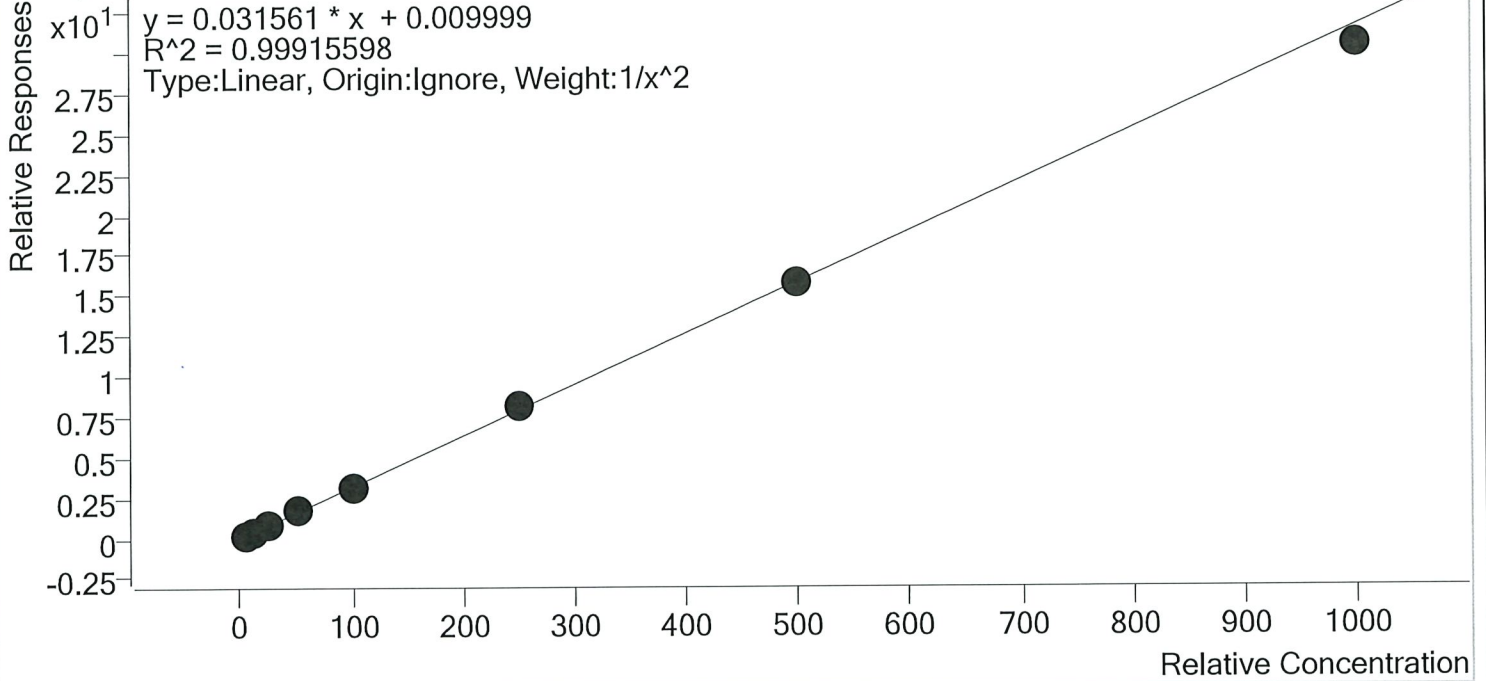| Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.0
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.8
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.8
p1 Cal 4-50ng	4	✓	50.0	53.8	107.5
p1 Cal 5-100ng	5	✓	100.0	105.0	105.0
p1 Cal 6-250ng	6	✓	250.0	253.2	101.3
p1 Cal 7-500ng	7	✓	500.0	472.3	94.5
p1 Cal 8-1000ng	8	✓	1000.0	881.1	88.1

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\ 010820 AM 28 wklst 3929 TS\QuantResults\MDQ P1 TS.batch.bin

Last Cal. Update 1/9/2020 9:19 AM

Analyst Name ISP\Datastor

Analyte Oxycodone **Internal Standard** Oxycodone-D6

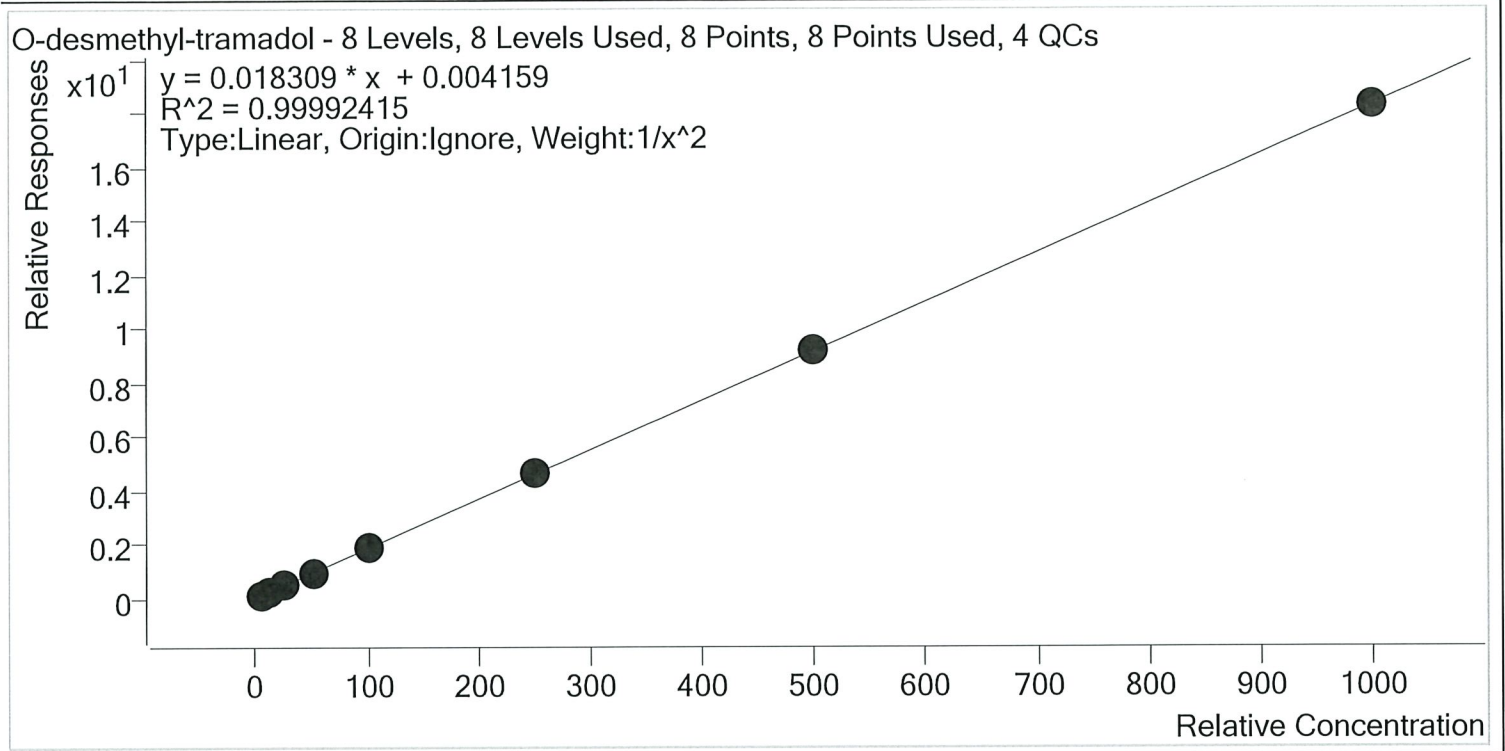Oxycodone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.020111 * x + 0.008786$

$R^2 = 0.99763358$

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	101.2
p1 Cal 3 -25ng	3	✓	25.0	25.7	102.6
p1 Cal 4-50ng	4	✓	50.0	52.7	105.3
p1 Cal 5-100ng	5	✓	100.0	103.2	103.2
p1 Cal 6-250ng	6	✓	250.0	251.9	100.8
p1 Cal 7-500ng	7	✓	500.0	482.8	96.6
p1 Cal 8-1000ng	8	✓	1000.0	920.8	92.1

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\ 010820 AM 28 wklst 3929 TS\QuantResults\MDQ P1 TS.batch.bin

Last Cal. Update   1/9/2020 9:19 AM

Analyst Name   ISP\Datastor

Analyte   Oxymorphone   **Internal Standard**   Oxymorphone-D3

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

$y = 0.027385 * x + 0.010854$

$R^2 = 0.99910107$

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	10.1	100.8
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.8
p1 Cal 4-50ng	4	✓	50.0	51.1	102.1
p1 Cal 5-100ng	5	✓	100.0	100.8	100.8
p1 Cal 6-250ng	6	✓	250.0	257.6	103.0
p1 Cal 7-500ng	7	✓	500.0	481.4	96.3
p1 Cal 8-1000ng	8	✓	1000.0	961.8	96.2

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\ 010820 AM 28 wklst 3929 TS\QuantResults\MDQ P1 TS.batch.bin

Last Cal. Update 1/9/2020 9:19 AM

Analyst Name ISP\Datastor

Analyte Phentermine   **Internal Standard** Phentermine-D5

Phentermine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs
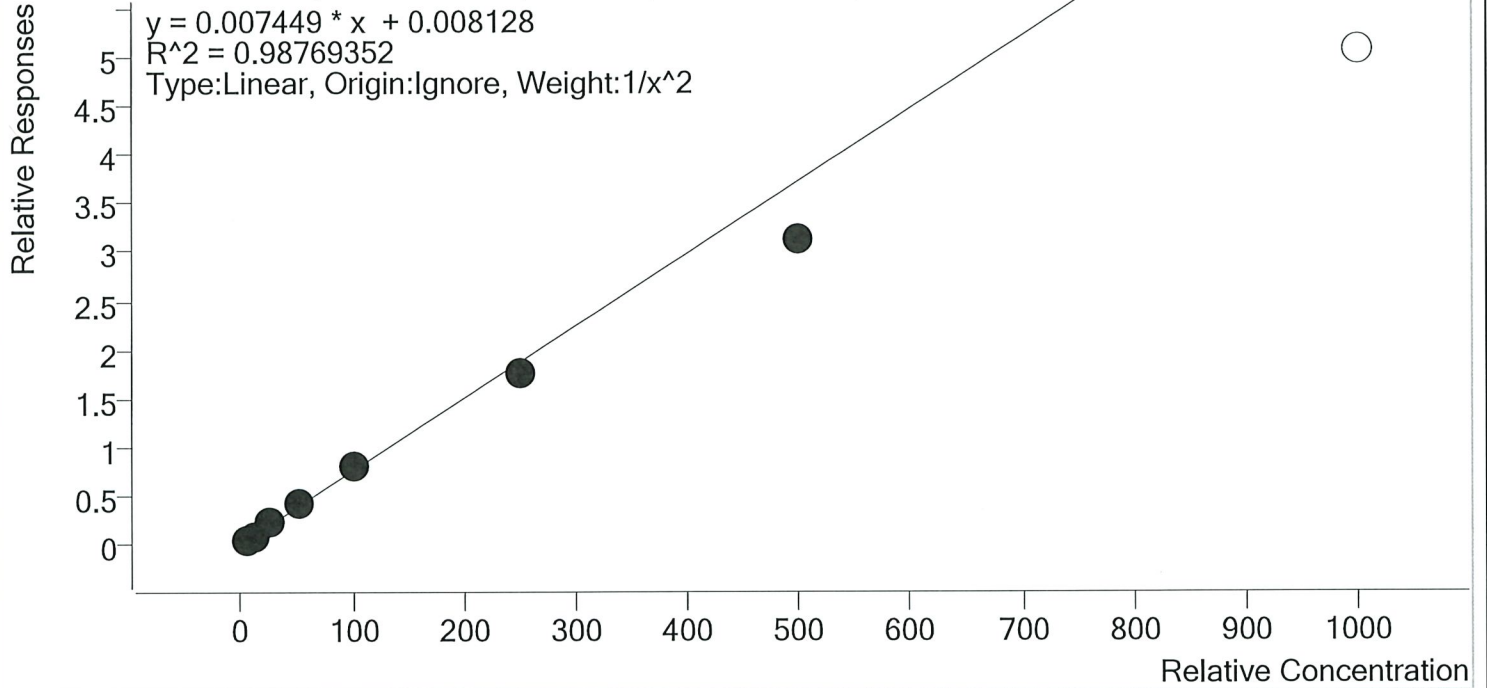
$y = 0.007449 * x + 0.008128$

$R^2 = 0.98769352$

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	102.7
p1 Cal 3 -25ng	3	✓	25.0	27.1	108.3
p1 Cal 4-50ng	4	✓	50.0	54.2	108.3
p1 Cal 5-100ng	5	✓	100.0	107.8	107.8
p1 Cal 6-250ng	6	✓	250.0	232.5	93.0
p1 Cal 7-500ng	7	✓	500.0	418.9	83.8
p1 Cal 8-1000ng	8	✗	1000.0	680.3	68.0

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\ 010820 AM 28 wklst 3929 TS\QuantResults\MDQ P1 TS.batch.bin

Last Cal. Update 1/9/2020 9:19 AM

Analyst Name ISP\Datastor
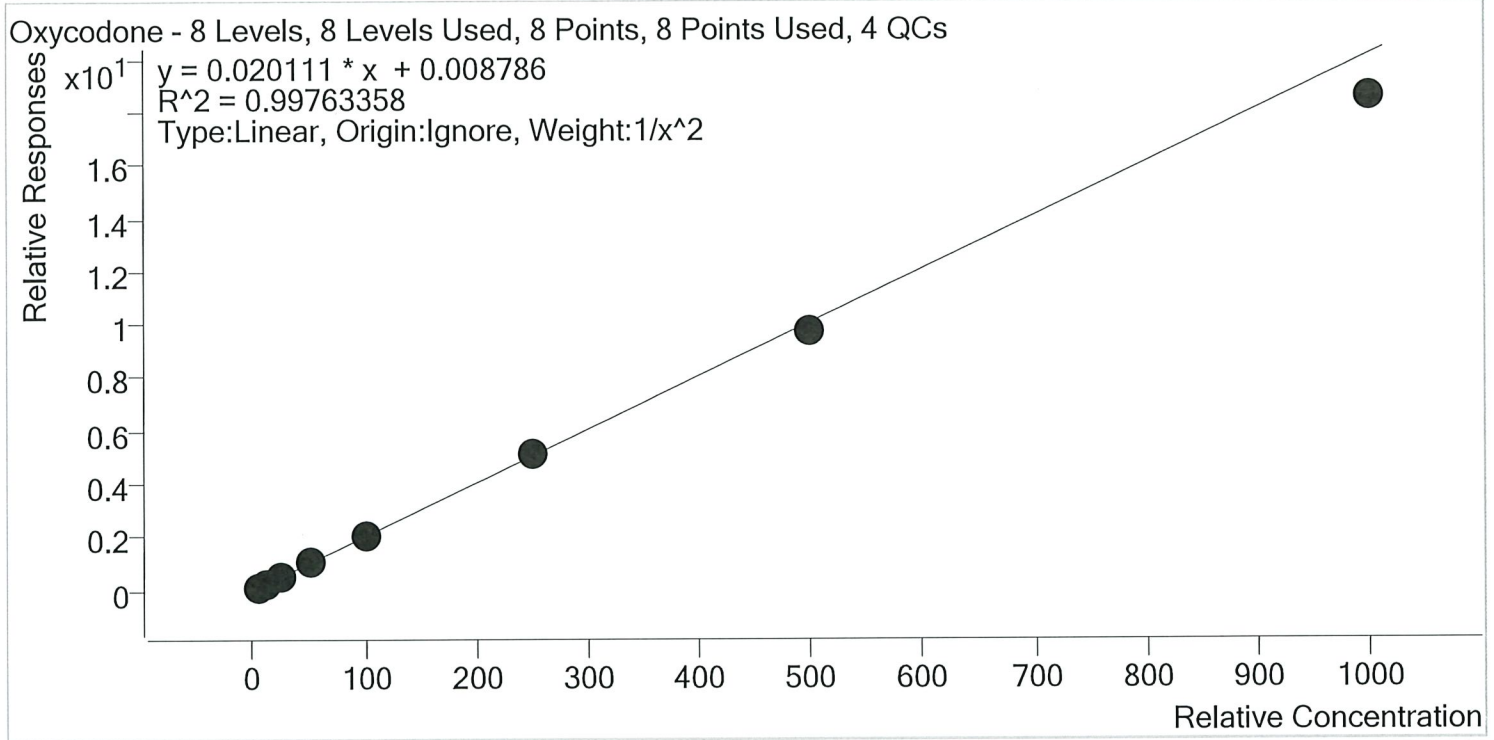
Analyte Promethazine **Internal Standard** Promethazine-D3

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

$y = 0.022345 * x - 0.002984$
$R^2 = 0.99992789$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	105.2
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.7
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.1
p1 Cal 4-50ng	4	✓	50.0	49.1	98.3
p1 Cal 5-100ng	5	✓	100.0	97.2	97.2
p1 Cal 6-250ng	6	✓	250.0	249.5	99.8
p1 Cal 7-500ng	7	✓	500.0	503.1	100.6
p1 Cal 8-1000ng	8	✓	1000.0	1001.0	100.1

AM #28 Multi-Drug Quant. Calibration Curve Report

TS

Batch results   D:\MassHunter\Data\2020\AM 27-28\ 010820 AM 28 wklst 3929 TS\QuantResults\MDQ P1 TS.batch.bin

Last Cal. Update   1/9/2020 9:19 AM

Analyst Name   ISP\Datastor

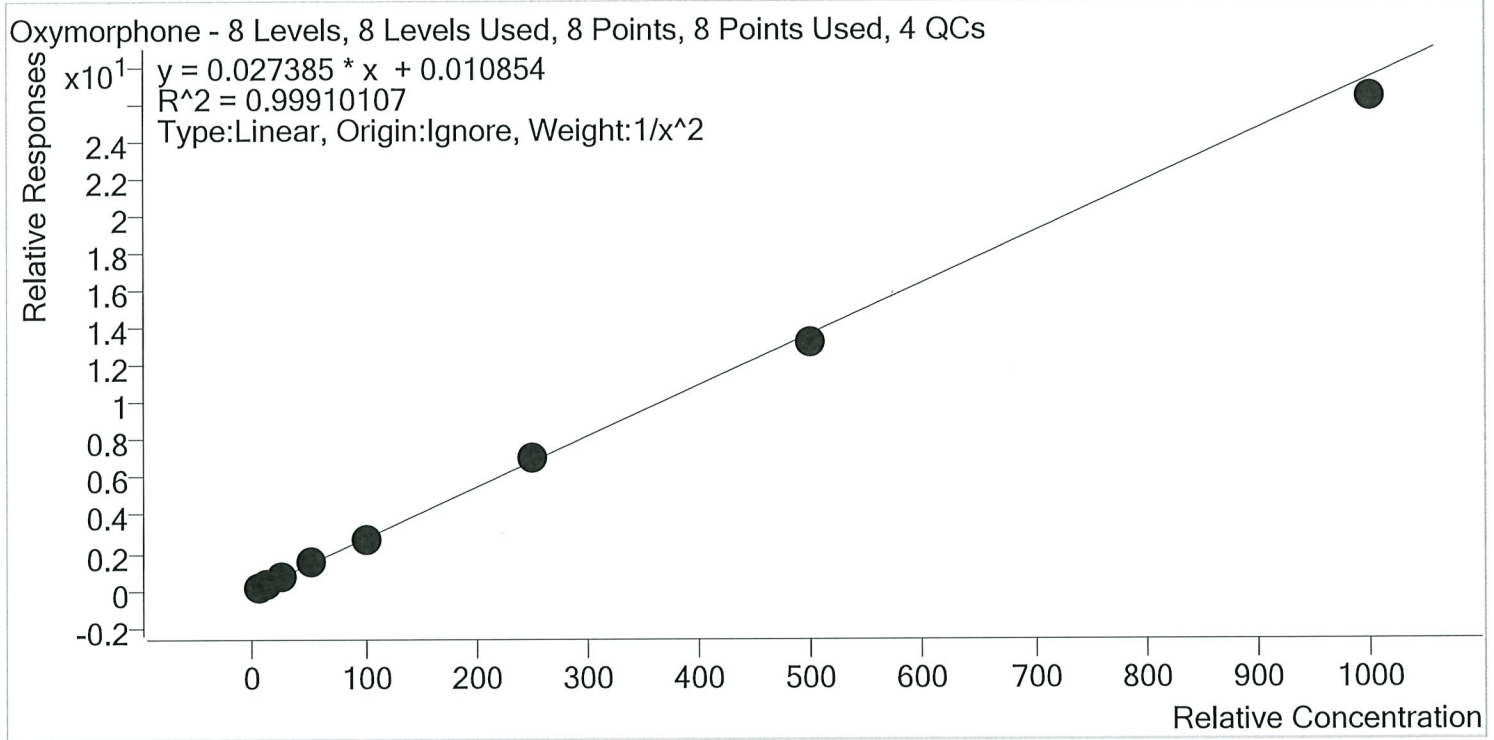**Analyte**   Quetiapine   **Internal Standard**   Quetiapine-D8
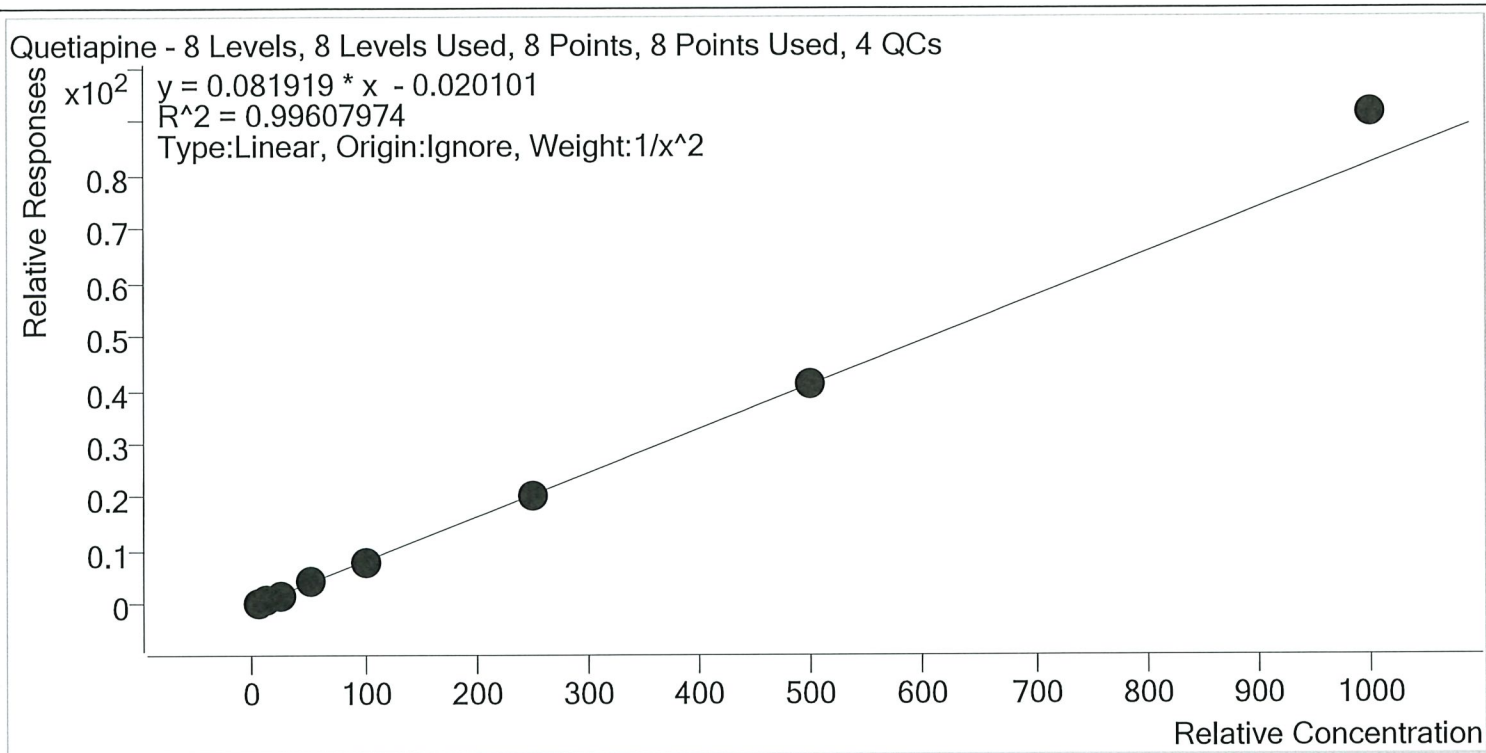
Quetiapine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.081919 * x - 0.020101$
$R^2 = 0.99607974$
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	103.1
p1 Cal 2- 10ng	2	✓	10.0	9.6	95.9
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.1
p1 Cal 4-50ng	4	✓	50.0	50.5	100.9
p1 Cal 5-100ng	5	✓	100.0	95.8	95.8
p1 Cal 6-250ng	6	✓	250.0	244.1	97.7
p1 Cal 7-500ng	7	✓	500.0	499.8	100.0
p1 Cal 8-1000ng	8	✓	1000.0	1115.3	111.5

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\ 010820 AM 28 wklst 3929 TS\QuantResults\MDQ P1 TS.batch.bin

Last Cal. Update 1/9/2020 9:19 AM

Analyst Name ISP\Datastor

Analyte Sertraline   **Internal Standard** Sertraline-D3

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

$y = 0.023943 * x - 0.004167$
$R^2 = 0.99947759$
Type:Linear, Origin:Ignore, Weight:1/x

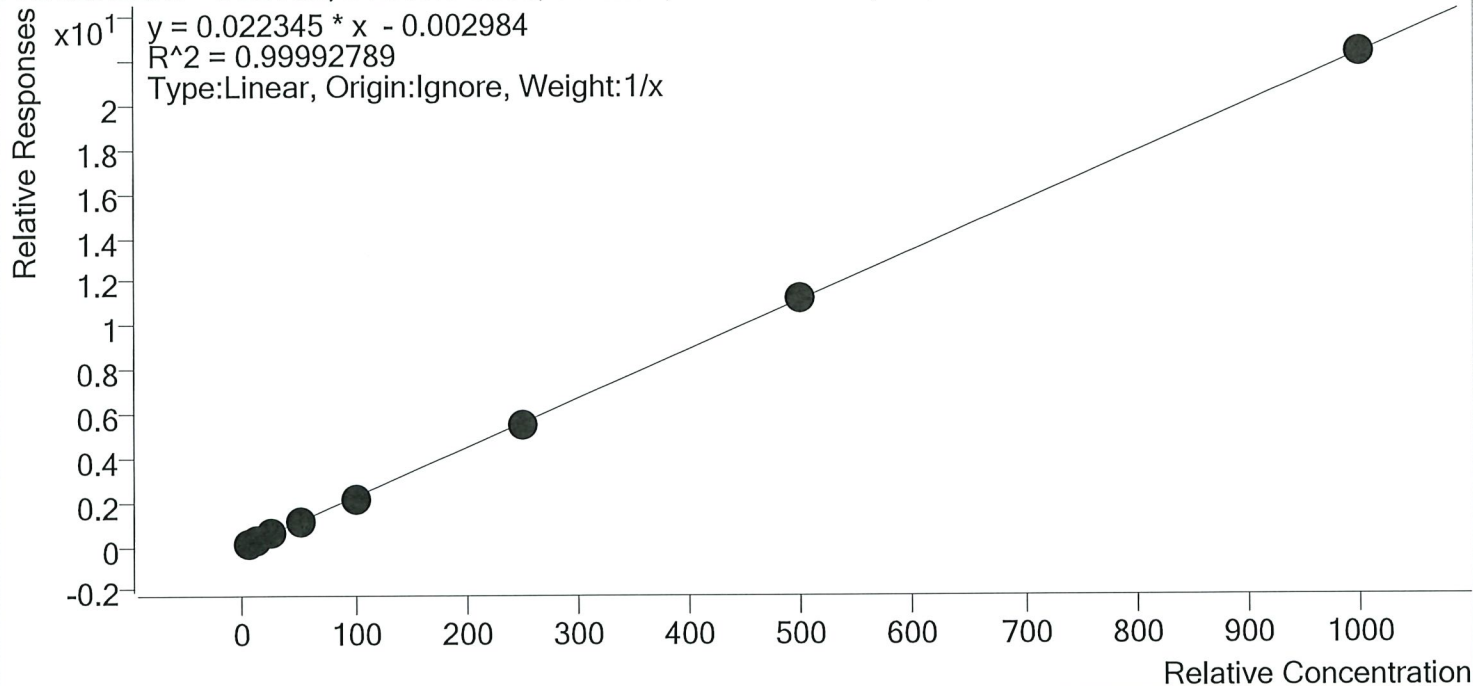| Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	107.0
p1 Cal 2- 10ng	2	✓	10.0	10.3	103.0
p1 Cal 3 -25ng	3	✓	25.0	25.0	99.9
p1 Cal 4-50ng	4	✓	50.0	48.2	96.3
p1 Cal 5-100ng	5	✓	100.0	96.5	96.5
p1 Cal 6-250ng	6	✓	250.0	240.7	96.3
p1 Cal 7-500ng	7	✓	500.0	496.1	99.2
p1 Cal 8-1000ng	8	✓	1000.0	1017.9	101.8

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\ 010820 AM 28 wklst 3929 TS\QuantResults\MDQ P1 TS.batch.bin

Last Cal. Update   1/9/2020 9:19 AM

Analyst Name   ISP\Datastor

Analyte   Temazepam   **Internal Standard**   Temazepam-D5

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

$y = 0.018247 * x + 1.253549E\text{-}004$
$R^2 = 0.99962143$
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	101.6
p1 Cal 2- 10ng	2	✓	10.0	9.7	97.2
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.3
p1 Cal 4-50ng	4	✓	50.0	50.1	100.2
p1 Cal 5-100ng	5	✓	100.0	98.1	98.1
p1 Cal 6-250ng	6	✓	250.0	251.0	100.4
p1 Cal 7-500ng	7	✓	500.0	509.8	102.0
p1 Cal 8-1000ng	8	✓	1000.0	1012.7	101.3

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\ 010820 AM 28 wklst 3929 TS\QuantResults\MDQ P1 TS.batch.bin

Last Cal. Update 1/9/2020 9:19 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

$y = 0.017285 * x + 0.021079$
$R^2 = 0.99234272$
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	97.1
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.9
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.0
p1 Cal 4-50ng	4	✓	50.0	53.4	106.8
p1 Cal 5-100ng	5	✓	100.0	106.3	106.3
p1 Cal 6-250ng	6	✓	250.0	258.4	103.3
p1 Cal 7-500ng	7	✓	500.0	476.6	95.3
p1 Cal 8-1000ng	8	✓	1000.0	841.8	84.2

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\ 010820 AM 28 wklst 3929 TS\QuantResults\MDQ P1 TS.batch.bin

Last Cal. Update 1/9/2020 9:19 AM

Analyst Name ISP\Datastor
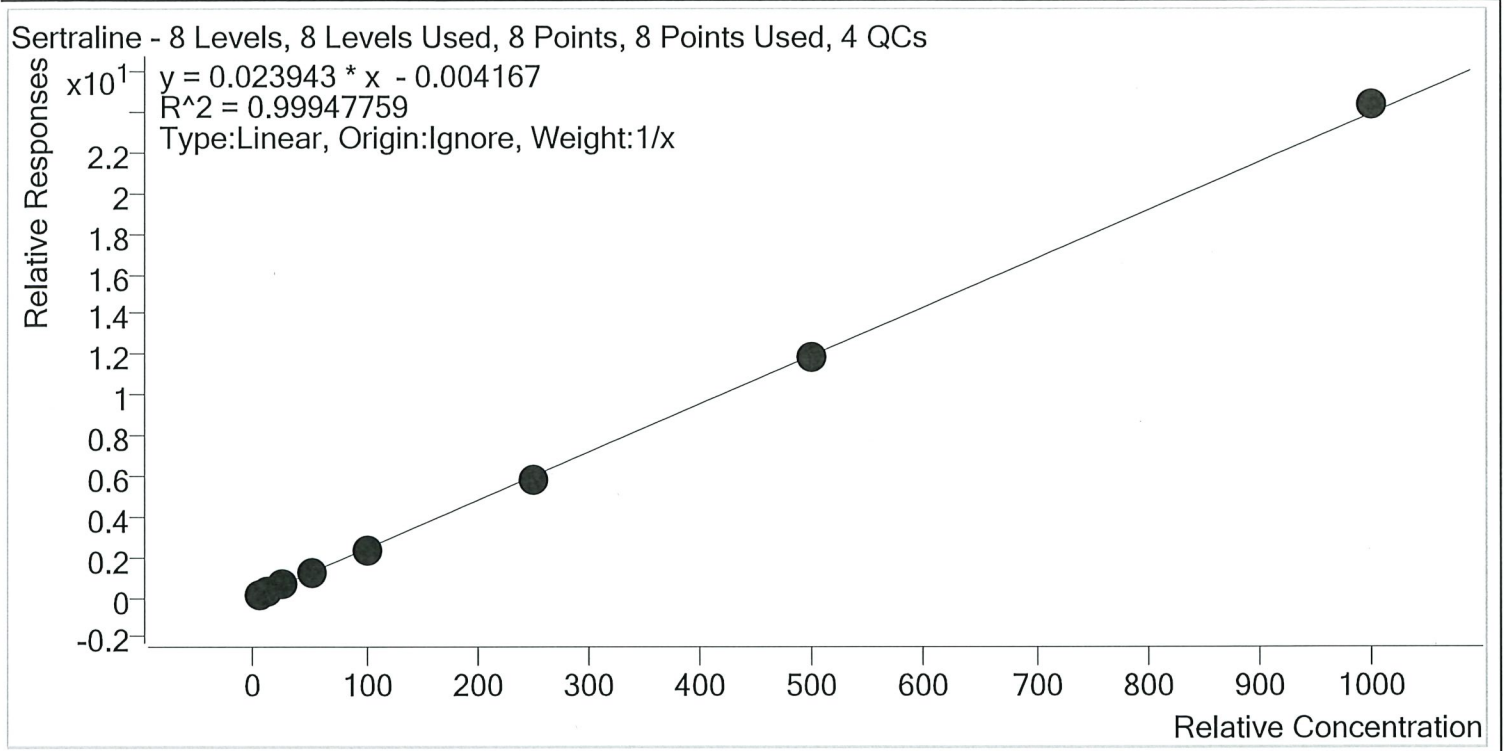
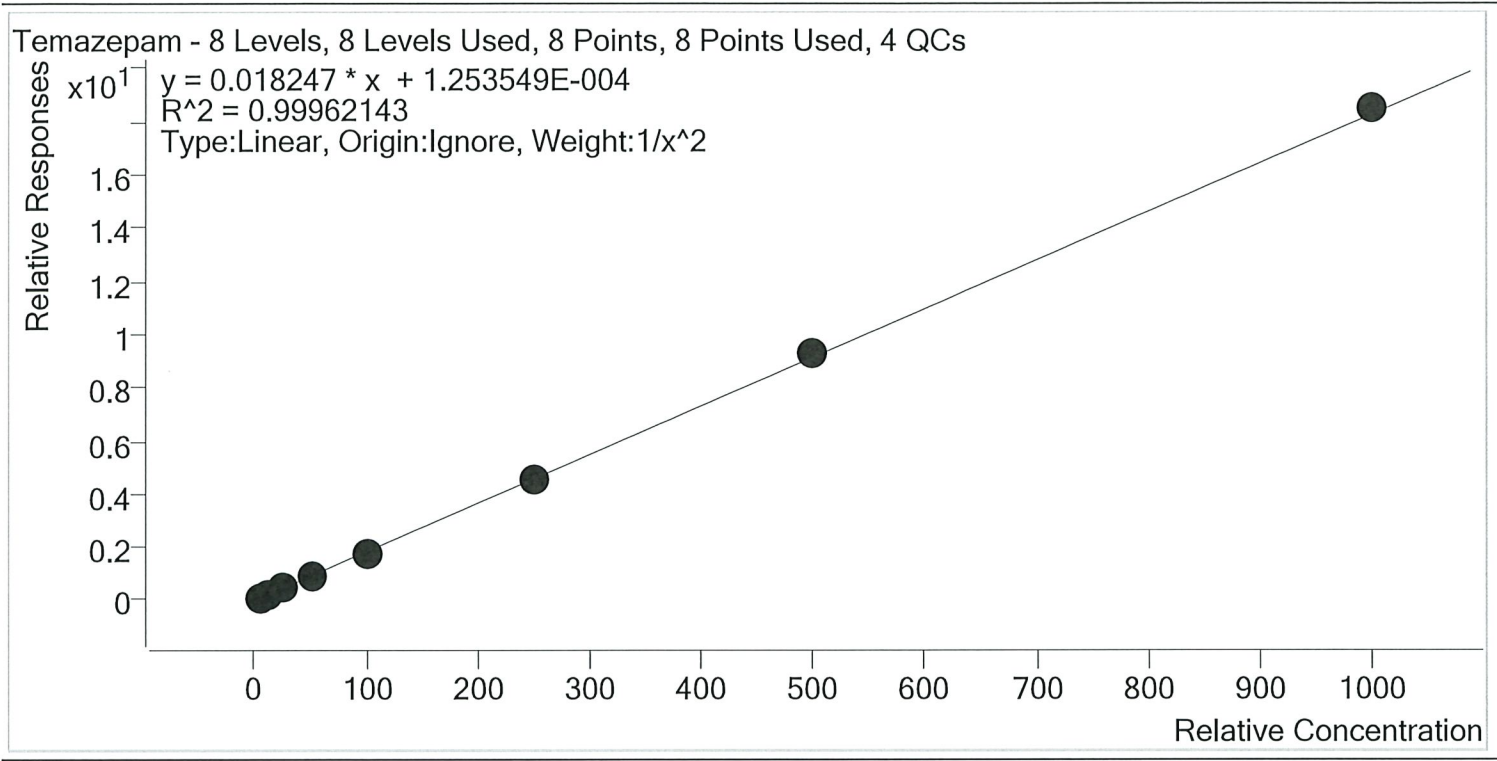**Analyte** Trazodone   **Internal Standard** Trazodone-D6

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

$y = 0.021834 * x + 0.015275$
$R^2 = 0.99644967$
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	10.3	102.8
p1 Cal 3 -25ng	3	✓	25.0	26.8	107.3
p1 Cal 4-50ng	4	✓	50.0	51.6	103.1
p1 Cal 5-100ng	5	✓	100.0	101.0	101.0
p1 Cal 6-250ng	6	✓	250.0	241.5	96.6
p1 Cal 7-500ng	7	✓	500.0	461.3	92.3
p1 Cal 8-1000ng	8	✗	1000.0	751.3	75.1

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\ 010820 AM 28 wklst 3929 TS\QuantResults\MDQ P1 TS.batch.bin
Last Cal. Update	1/9/2020 9:19 AM
Analyst Name	ISP\Datastor
Analyte	Venlafaxine

Internal Standard   Venlafaxine-D6
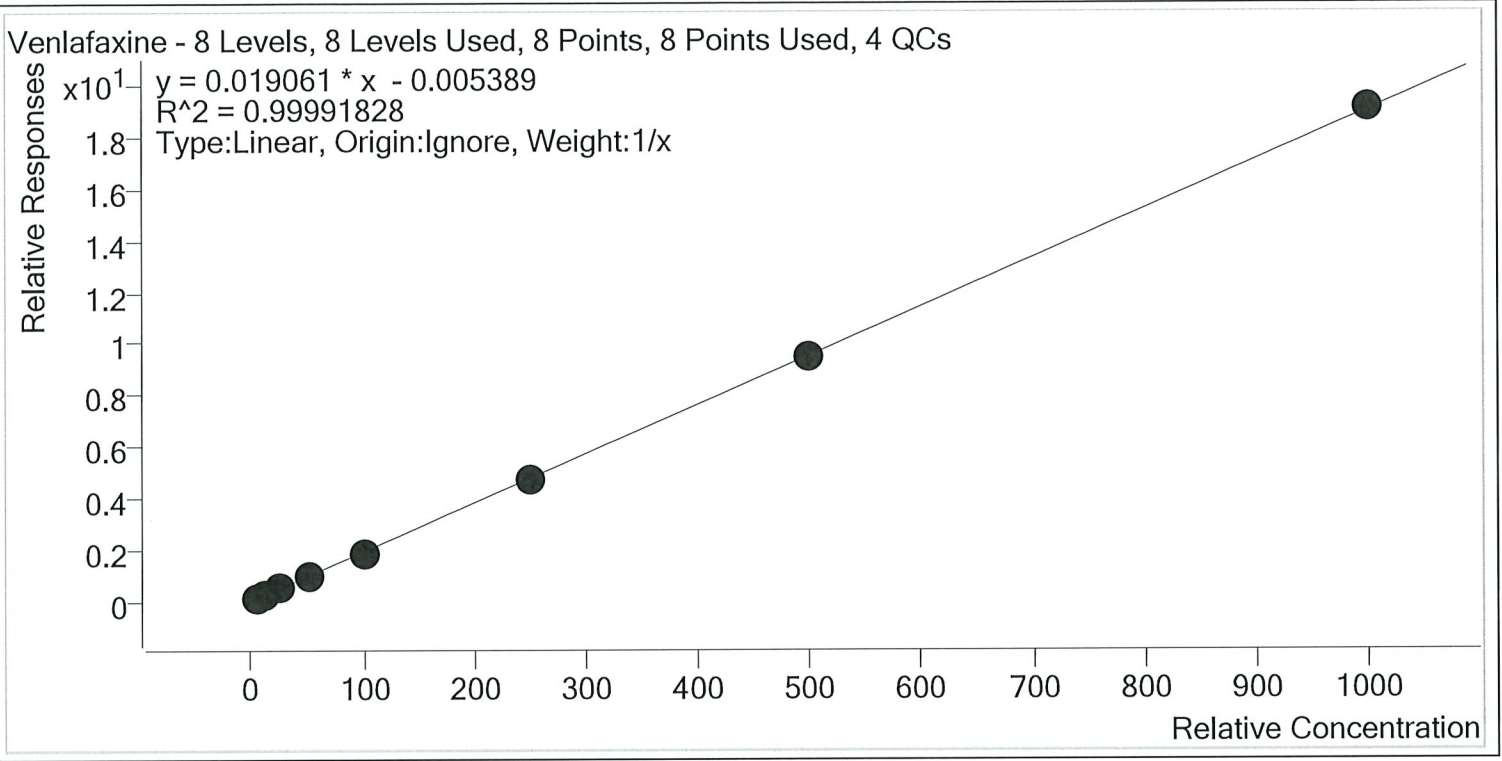
Venlafaxine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.019061 * x - 0.005389$
$R^2 = 0.99991828$
Type:Linear, Origin:Ignore, Weight:1/x

Relative Responses $\times 10^1$ vs Relative Concentration

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.4	107.8
p1 Cal 2- 10ng	2	✓	10.0	9.7	97.4
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.6
p1 Cal 4-50ng	4	✓	50.0	49.4	98.7
p1 Cal 5-100ng	5	✓	100.0	97.8	97.8
p1 Cal 6-250ng	6	✓	250.0	247.8	99.1
p1 Cal 7-500ng	7	✓	500.0	500.0	100.0
p1 Cal 8-1000ng	8	✓	1000.0	1005.3	100.5

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\ 010820 AM 28 wklst 3929 TS\QuantResults\MDQ P1 TS.batch.bin

Last Cal. Update   1/9/2020 9:19 AM

Analyst Name   ISP\Datastor

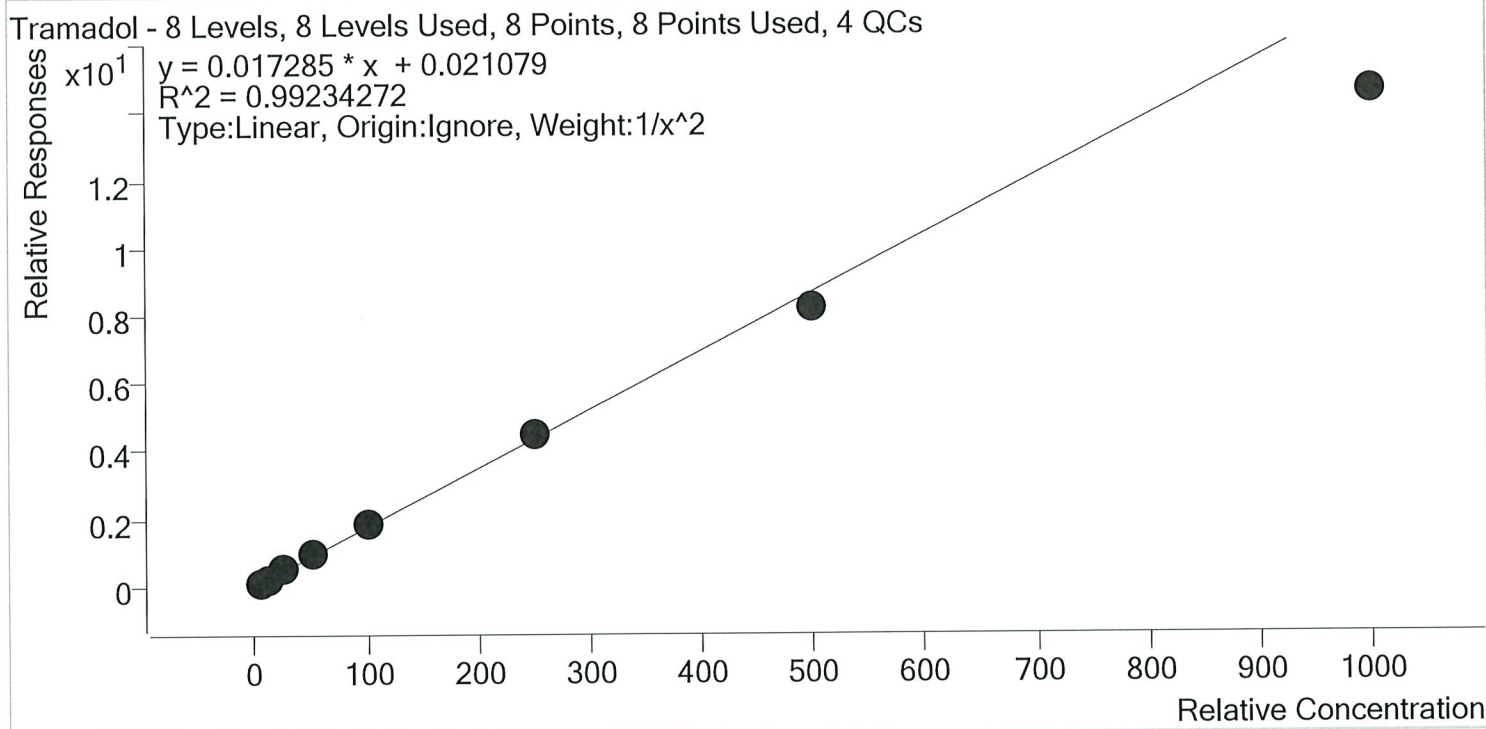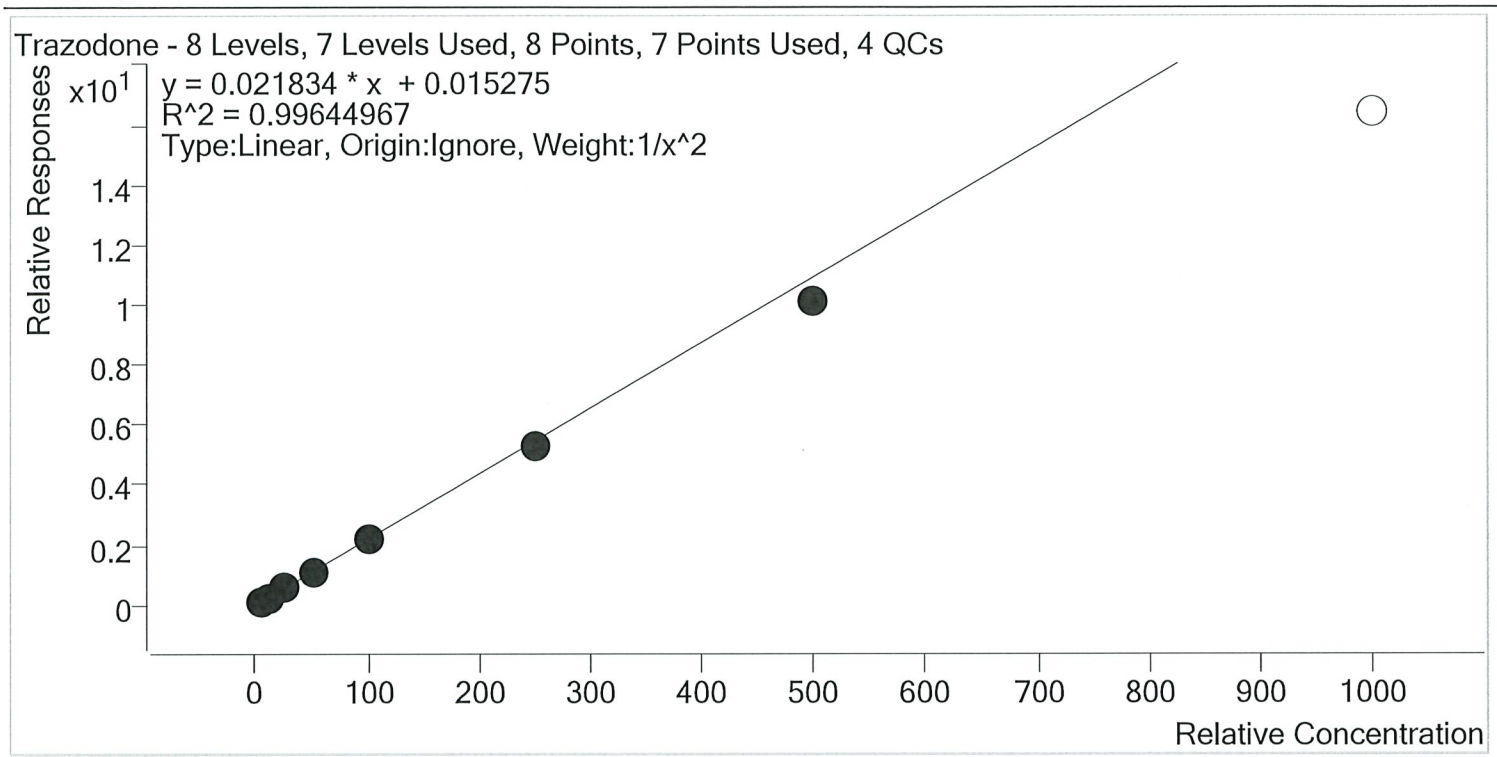**Analyte**   Zolpidem   **Internal Standard**   Zolpidem-D6
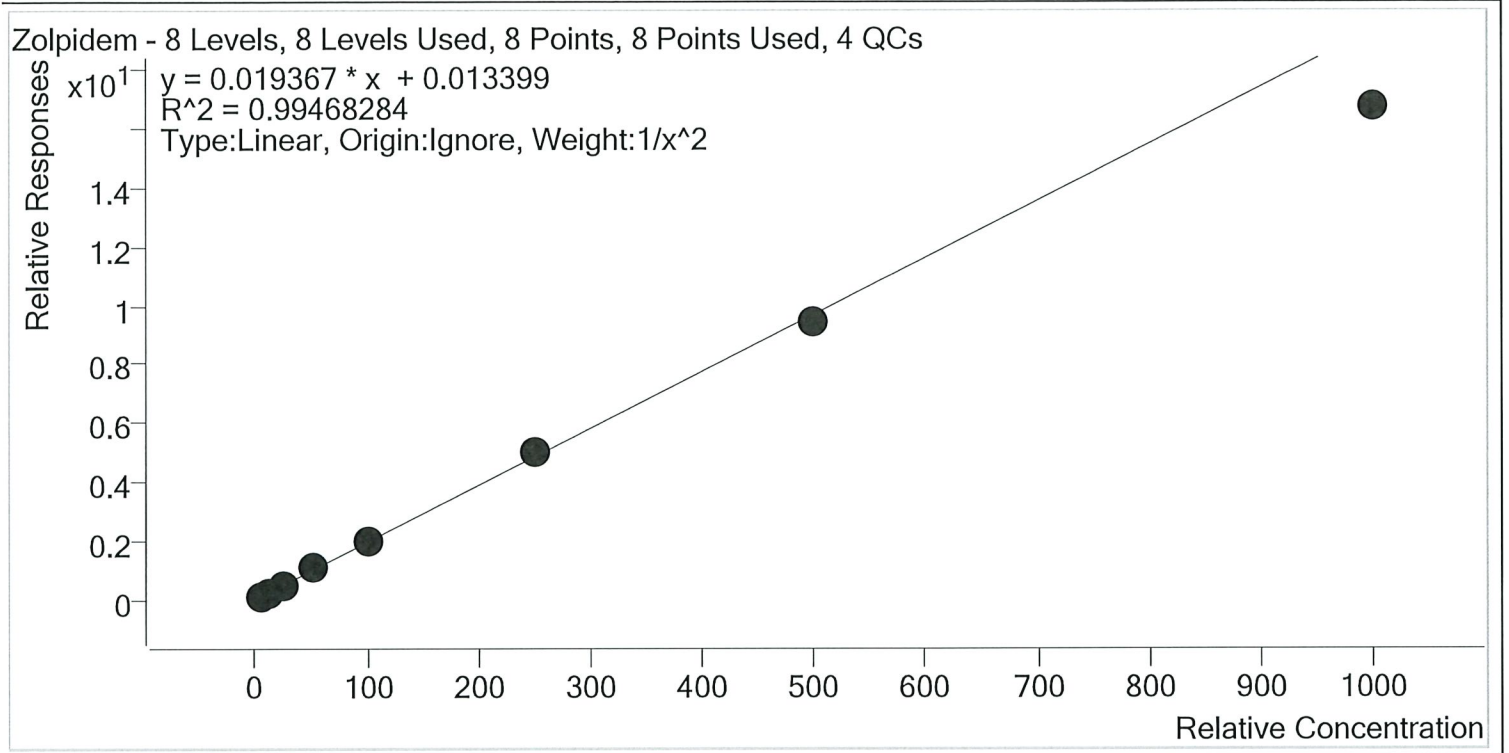
Zolpidem - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.019367 * x + 0.013399$
$R^2 = 0.99468284$
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	10.0	100.3
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.5
p1 Cal 4-50ng	4	✓	50.0	53.5	107.0
p1 Cal 5-100ng	5	✓	100.0	103.9	103.9
p1 Cal 6-250ng	6	✓	250.0	258.8	103.5
p1 Cal 7-500ng	7	✓	500.0	485.1	97.0
p1 Cal 8-1000ng	8	✓	1000.0	865.2	86.5

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\AM 27-28\ 010820 AM 28 wklst 3929 TS\QuantResults\MDQ P1 TS.batch.bin
Calibration Last Update 1/9/2020 9:19:53 AM

Instrument	Falco	**Data File**	p1 Cal 1-5ng.d
Type	Cal	**Sample**	p1 Cal 1-5ng
Acq. Method	MDQ P1 Combined 092319.m	**Operator**	Tamara Salazar
Sample Position	P2-H12	**Comment**	
Injection Volume	2		
Acq. Date-Time	1/8/2020 8:55:07 PM		
Sample Info.			

Sample Chromatogram

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

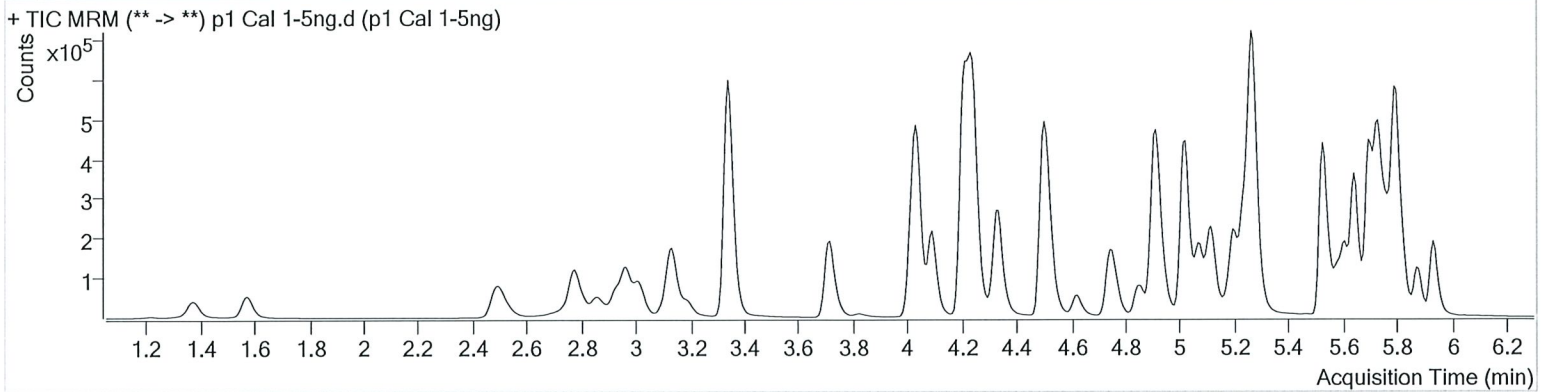| Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.109	1120	∞	77.9	1313.68	47303	0.4911 ng/ml
7-aminoclonazepam	4.237	26016	591.15	80.2	76238.49	197373	4.8005 ng/ml
a-hydroxyalprazolam	5.680	5481	73.07	69.9	113.35	56944	4.9057 ng/ml
alpha-PVP	4.344	65577	2330.41	51.1	1392.92	569909	5.1466 ng/ml
Alprazolam	5.756	48089	812.58	102.5	206.44	224374	4.6772 ng/ml
Amphetamine	3.014	102140	1545.15	53.5	2739.85	202497	4.8165 ng/ml
Benzoylecgonine	3.853	2234	72.69	8.0	19.62	17591	6.2431 ng/ml
Buprenorphine	5.882	2756	23.62	14.3	∞	185581	0.4935 ng/ml
Bupropion	4.766	59354	4993.65	59.1	594.31	396559	4.6795 ng/ml
Carisoprodol	5.705	38745	62986.85	53.0	240.74	367265	4.9379 ng/ml
Citalopram	5.202	45223	270.01	40.7	313.73	405106	5.3024 ng/ml
Clonazepam	5.586	36258	1792.91	33.3	817.56	124815	4.7949 ng/ml
Cocaine	4.237	65999	6592.44	44.3	9169.23	997575	5.2538 ng/ml
Codeine	2.550	8003	266.64	104.6	622.71	67298	4.9568 ng/ml
Cyclobenzaprine	5.610	37620	3312.07	9.9	135.57	271748	5.1317 ng/ml
Dextromethorphan	5.245	25315	425.23	78.8	39.51	231522	4.9526 ng/ml
Dextrorphan	4.093	15938	750.62	214.4	1093.37	420810	5.1473 ng/ml
Diazepam	5.941	34472	527.70	89.0	665.20	316932	5.0141 ng/ml
Dihydrocodeine	2.521	19482	1203.64	66.4	1743.16	202008	4.8880 ng/ml
Diphenhydramine	5.272	100606	1791.19	33.7	518.44	1425313	5.3615 ng/ml
Doxylamine	4.521	139899	7053.74	97.8	10907.68	1140514	3.6025 ng/ml
EDDP	5.237	31200	759.10	42.3	498.45	328467	5.0633 ng/ml
Fentanyl	5.086	3649	186.23	72.7	∞	391169	0.5043 ng/ml
Fluoxetine	5.702	50473	65833.16	8.9	106.28	405726	5.2816 ng/ml
Hydrocodone	2.991	22553	192.12	40.7	112.36	292117	4.6893 ng/ml
Hydromorphone	1.581	18688	722.61	76.8	749.55	133270	4.9633 ng/ml
Ketamine	4.033	58425	606.77	36.5	311.77	495429	4.8740 ng/ml
Lamotrigine	4.254	5757	1729.09	84.5	1524.23	495429	4.7344 ng/ml
Lorazepam	5.728	38525	159.86	59.2	159.68	124815	3.9490 ng/ml
Meprobamate	4.875	18789	3741.50	27.8	197.21	186949	4.8308 ng/ml
Methadone	5.648	64709	402.62	54.1	1690.01	590113	5.4276 ng/ml
Methamphetamine	3.195	57266	2477.53	41.3	1534.84	416363	4.8974 ng/ml
Metoprolol	4.306	11241	∞	97.2	597.35	1236926	5.0136 ng/ml

AM #28 Multi-Drug Quant. Results

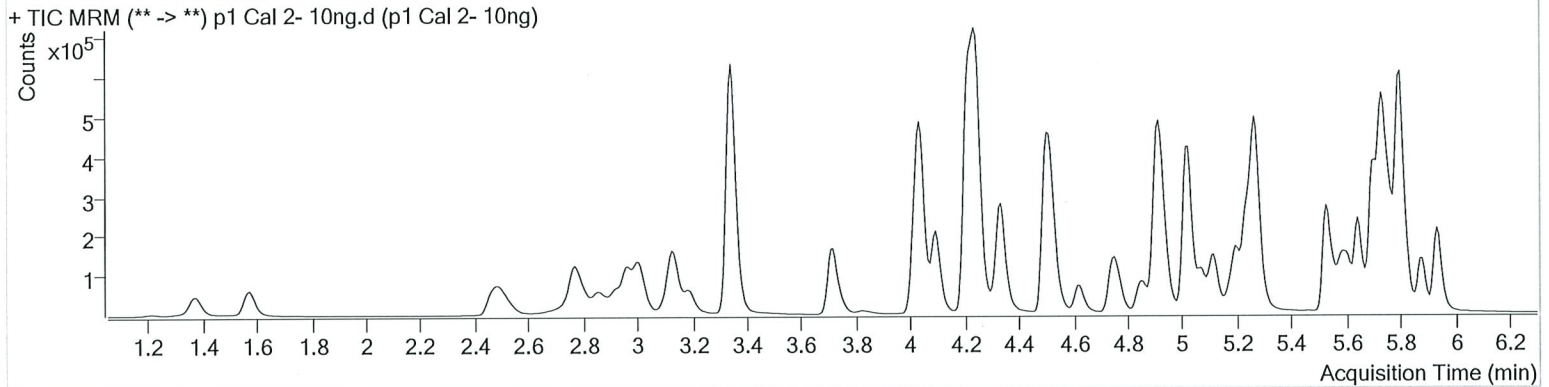| Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.623	83757	1081.57	50.3	2221.09	569909	5.4665 ng/ml
Mitragynine	5.220	11037	729.62	40.8	11969.25	590113	4.1426 ng/ml
Morphine	1.220	2197	1499.54	22.5	1768.85	4308	5.0775 ng/ml
Norbuprenorphine	4.970	257	18.77	66.2	54.52	17872	0.5036 ng/ml
Nordiazepam	5.881	31444	899.17	57.2	367.28	190198	4.9189 ng/ml
Norfentanyl	4.061	9601	815.36	35.1	30.47	819790	0.5244 ng/ml
Norhydrocodone	3.032	433	431.89	31.1	19.24	48381	5.1971 ng/ml
Noroxycodone	2.876	22519	328.94	49.7	12.66	133882	5.0127 ng/ml
O-desmethyl-tramadol	3.348	128818	1273.41	6.1	144.59	1343195	5.0109 ng/ml
Oxazepam	5.738	56926	567.67	71.0	463.69	678049	4.9022 ng/ml
Oxycodone	2.807	43117	839.89	32.7	1316.25	400768	4.9128 ng/ml
Oxymorphone	1.376	17720	588.54	49.0	1062.64	121033	4.9499 ng/ml
Phentermine	3.751	21834	747.10	2.7	46.93	497273	4.8034 ng/ml
Promethazine	5.527	84582	2060.01	31.1	1266.13	738426	5.2597 ng/ml
Quetiapine	5.558	51556	2702.00	58.9	14830.93	128143	5.1567 ng/ml
Sertraline	5.770	32718	115.52	91.5	2540.50	264046	5.3492 ng/ml
Temazepam	5.805	87794	1496.08	30.7	257.67	946165	5.0783 ng/ml
Tramadol	4.219	129878	643.54	3.4	60.79	1236926	4.8551 ng/ml
Trazodone	5.174	64204	∞	77.6	2076.30	530293	4.8455 ng/ml
Venlafaxine	5.020	94415	777.71	37.5	283.72	969827	5.3901 ng/ml
Zolpidem	4.932	124273	1126.85	30.7	339.26	1144749	4.9136 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results   D:\MassHunter\Data\2020\AM 27-28\ 010820 AM 28 wklst 3929 TS\QuantResults\MDQ P1 TS.batch.bin
Calibration Last Update   1/9/2020 9:19:53 AM

Instrument	Falco	**Data File**	p1 Cal 2- 10ng.d
Type	Cal	**Sample**	p1 Cal 2- 10ng
Acq. Method	MDQ P1 Combined 092319.m	**Operator**	Tamara Salazar
Sample Position	P2-G12	**Comment**	
Injection Volume	2		
Acq. Date-Time	1/8/2020 9:05:51 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	2308	8014.63	66.9	1193.32	47619	1.0348 ng/ml
7-aminoclonazepam	4.237	49095	∞	81.9	7942.16	194701	10.2666 ng/ml
a-hydroxyalprazolam	5.680	10518	193.18	68.3	574.77	55672	10.1485 ng/ml
alpha-PVP	4.344	114455	1447.14	50.7	1024.60	512701	9.9687 ng/ml
Alprazolam	5.756	91021	804.52	103.3	818.95	217818	9.8253 ng/ml
Amphetamine	3.007	173264	7372.46	53.3	3725.57	181408	10.3266 ng/ml
Benzoylecgonine	3.847	3821	91.24	8.0	111.62	17194	9.9458 ng/ml
Buprenorphine	5.882	3177	71.15	15.6	36.94	111737	1.0162 ng/ml
Bupropion	4.766	84705	5772.10	58.7	2297.86	299086	9.5795 ng/ml
Carisoprodol	5.705	76801	1098.15	53.7	678.99	372567	10.1454 ng/ml
Citalopram	5.202	55316	847.46	41.8	∞	253602	10.0429 ng/ml
Clonazepam	5.586	71958	1743.63	31.9	662.26	125590	10.3570 ng/ml
Cocaine	4.237	124968	∞	43.8	3126.82	956297	10.1087 ng/ml
Codeine	2.536	15141	1479.18	103.5	39992.30	66815	10.0030 ng/ml
Cyclobenzaprine	5.610	38862	228798.12	9.9	119.13	149447	9.6828 ng/ml
Dextromethorphan	5.245	27836	273.33	75.9	636.31	122815	10.3841 ng/ml
Dextrorphan	4.093	27331	445.67	215.5	732.44	369127	10.0171 ng/ml
Diazepam	5.941	64494	428.03	88.4	1070.67	312900	9.7732 ng/ml
Dihydrocodeine	2.514	37124	4398.08	67.6	1322.03	203191	10.0549 ng/ml
Diphenhydramine	5.272	118871	1876.69	33.7	983.33	865621	10.1461 ng/ml
Doxylamine	4.521	227589	6060.87	98.2	6706.08	968327	9.0502 ng/ml
EDDP	5.237	58769	2761.59	42.8	788.65	324095	9.8887 ng/ml
Fentanyl	5.086	3840	95.68	65.5	∞	215892	0.9917 ng/ml
Fluoxetine	5.702	50961	2015.04	8.6	157.67	215892	10.0225 ng/ml
Hydrocodone	2.991	41962	566.64	40.9	387.99	274134	10.4101 ng/ml
Hydromorphone	1.581	35396	1079.00	77.1	2521.68	129176	10.0744 ng/ml
Ketamine	4.033	107633	5275.06	37.7	610.34	473817	10.2416 ng/ml
Lamotrigine	4.254	11026	872.45	77.6	1735.03	473817	10.6984 ng/ml
Lorazepam	5.728	76951	∞	53.8	401.71	125590	10.4206 ng/ml
Meprobamate	4.875	36941	5335.71	25.9	221.11	185326	10.3943 ng/ml
Methadone	5.648	70853	3382.80	53.7	297.94	342834	9.9181 ng/ml
Methamphetamine	3.188	96282	1083.63	41.9	1856.57	375123	10.1000 ng/ml
Metoprolol	4.306	19514	1378.64	95.7	2557.95	1173192	9.7056 ng/ml

AM #28 Multi-Drug Quant. Results

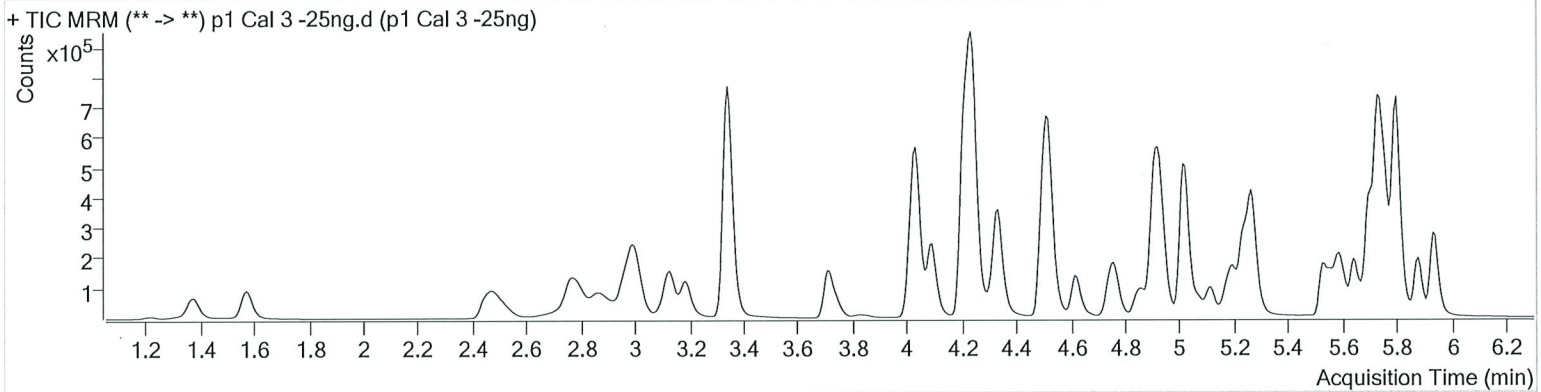| Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.623	114092	3628.94	48.6	1236.12	512701	8.0713 ng/ml
Mitragynine	5.220	13892	7170.83	37.1	154.59	342834	10.4019 ng/ml
Morphine	1.220	4050	940.66	23.8	686.68	4395	9.5660 ng/ml
Norbuprenorphine	4.970	283	49.03	68.8	23.96	11317	1.0230 ng/ml
Nordiazepam	5.881	59570	2480.54	57.4	677.94	185189	10.1010 ng/ml
Norfentanyl	4.061	16842	1829.62	37.5	95.25	765471	0.9505 ng/ml
Norhydrocodone	3.032	850	33.85	34.6	85.72	47577	9.4132 ng/ml
Noroxycodone	2.876	42496	565.01	47.7	3986.67	130618	9.9919 ng/ml
O-desmethyl-tramadol	3.348	246013	3953.02	6.1	327.79	1312793	10.0081 ng/ml
Oxazepam	5.738	107153	∞	73.7	2083.15	673752	9.9770 ng/ml
Oxycodone	2.800	84319	5783.11	31.6	1248.58	397245	10.1176 ng/ml
Oxymorphone	1.376	34135	3299.07	48.6	217.37	119009	10.0777 ng/ml
Phentermine	3.745	36512	800.95	2.7	66.54	431443	10.2701 ng/ml
Promethazine	5.527	86952	495.61	31.8	664.32	395592	9.9702 ng/ml
Quetiapine	5.558	73023	10418.31	61.9	93286.57	95397	9.5895 ng/ml
Sertraline	5.770	34577	494.90	90.6	889.64	142604	10.3011 ng/ml
Temazepam	5.805	170368	606.29	31.1	63.92	959568	9.7233 ng/ml
Tramadol	4.219	231403	1788.80	3.6	153.27	1173192	10.1916 ng/ml
Trazodone	5.174	82558	4124.58	75.8	4788.29	344268	10.2834 ng/ml
Venlafaxine	5.020	151270	1418.98	37.7	369.19	839126	9.7403 ng/ml
Zolpidem	4.932	234859	22735.72	31.1	∞	1130757	10.0329 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\AM 27-28\ 010820 AM 28 wklst 3929 TS\QuantResults\MDQ P1 TS.batch.bin
Calibration Last Update 1/9/2020 9:19:53 AM

Instrument	Falco	**Data File**	p1 Cal 3 -25ng.d
Type	Cal	**Sample**	p1 Cal 3 -25ng
Acq. Method	MDQ P1 Combined 092319.m	**Operator**	Tamara Salazar
Sample Position	P2-F12	**Comment**	
Injection Volume	2		
Acq. Date-Time	1/8/2020 9:16:25 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	5385	3602.52	70.2	9079.20	46558	2.5091 ng/ml
7-aminoclonazepam	4.231	120248	17881.92	81.1	15751.80	193732	27.0061 ng/ml
a-hydroxyalprazolam	5.680	25710	880.92	70.5	494.99	55901	25.4793 ng/ml
alpha-PVP	4.337	267230	7547.72	50.1	8276.49	484862	24.5860 ng/ml
Alprazolam	5.756	218795	1416.10	103.2	1159.11	212621	25.2823 ng/ml
Amphetamine	3.001	400318	6034.79	52.8	7590.74	173089	26.9250 ng/ml
Benzoylecgonine	3.847	9921	532.11	7.9	78.36	17206	23.7266 ng/ml
Buprenorphine	5.882	4255	78.65	17.2	319.74	64075	2.4773 ng/ml
Bupropion	4.766	188271	474.50	58.8	596.52	265370	25.2201 ng/ml
Carisoprodol	5.705	181962	1101758.16	53.8	1031.95	368424	25.0344 ng/ml
Citalopram	5.202	92363	565.49	40.2	2888.23	169616	24.5743 ng/ml
Clonazepam	5.586	166204	6868.95	32.9	19293.50	119059	26.5632 ng/ml
Cocaine	4.237	296963	14109.45	44.4	814.91	920709	24.5453 ng/ml
Codeine	2.503	36263	353.44	102.7	990.17	65861	25.1846 ng/ml
Cyclobenzaprine	5.610	45202	15197.89	9.5	135.55	70509	23.9440 ng/ml
Dextromethorphan	5.245	39899	2617.67	79.6	243.89	75226	24.4472 ng/ml
Dextrorphan	4.093	62551	3900.37	210.9	4155.27	341649	24.6988 ng/ml
Diazepam	5.941	155464	1087.25	86.7	5789.84	294097	25.5391 ng/ml
Dihydrocodeine	2.474	91545	1553.38	66.3	768.30	201259	26.3556 ng/ml
Diphenhydramine	5.272	193202	4084.30	33.4	681.22	579685	24.1952 ng/ml
Doxylamine	4.514	573087	38504.22	96.3	38589.22	982097	25.9454 ng/ml
EDDP	5.237	127806	1061.23	42.7	3435.07	291575	24.2513 ng/ml
Fentanyl	5.086	4426	∞	66.8	23192.54	99802	2.4601 ng/ml
Fluoxetine	5.702	56208	1426.23	9.0	155.16	96531	24.7247 ng/ml
Hydrocodone	2.985	103046	576.37	40.0	184.46	260506	28.6955 ng/ml
Hydromorphone	1.581	85811	2786.58	77.0	1176.24	128423	25.1328 ng/ml
Ketamine	4.033	253432	1845.99	37.5	628.53	466128	25.7959 ng/ml
Lamotrigine	4.254	25465	∞	79.6	4528.33	466128	26.7510 ng/ml
Lorazepam	5.728	175882	∞	54.8	∞	119059	28.8216 ng/ml
Meprobamate	4.875	88452	3283.40	26.0	1046.61	183098	26.3688 ng/ml
Methadone	5.648	104616	1239.27	54.5	1166.04	203026	24.2032 ng/ml
Methamphetamine	3.188	221795	9556.98	42.4	1720.80	356869	26.0329 ng/ml
Metoprolol	4.299	46557	8303.53	95.5	4910.49	1133706	24.8986 ng/ml

AM #28 Multi-Drug Quant. Results

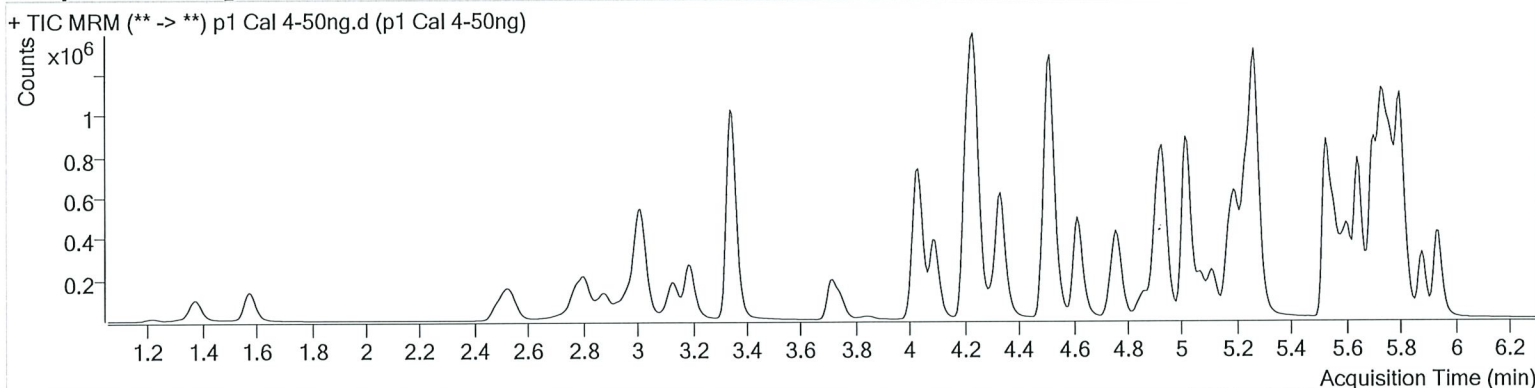| Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.616	221912	33093.09	50.2	14568.85	484862	16.1769 ng/ml
Mitragynine	5.220	18364	55385.18	38.5	696.34	203026	24.7255 ng/ml
Morphine	1.220	10189	2166.90	22.3	92.52	4336	25.1470 ng/ml
Norbuprenorphine	4.970	364	13.29	86.7	81.08	7163	2.2825 ng/ml
Nordiazepam	5.881	140428	1708.04	57.4	1509.70	178925	25.4526 ng/ml
Norfentanyl	4.061	41415	1103.78	36.7	254.10	768583	2.2705 ng/ml
Norhydrocodone	3.032	2140	73.25	32.6	36.25	45543	23.1798 ng/ml
Noroxycodone	2.869	97878	479.66	48.4	4825.79	126620	24.1760 ng/ml
O-desmethyl-tramadol	3.348	594456	3220.76	6.1	850.11	1304282	24.6663 ng/ml
Oxazepam	5.738	257538	∞	70.0	5284.41	639493	26.4468 ng/ml
Oxycodone	2.794	206780	2067.25	31.7	3816.47	394131	25.6511 ng/ml
Oxymorphone	1.376	83824	∞	48.1	698.45	118460	25.4434 ng/ml
Phentermine	3.745	84485	2059.92	2.5	∞	402712	27.0729 ng/ml
Promethazine	5.527	100689	∞	31.1	769.57	182949	24.7638 ng/ml
Quetiapine	5.558	150611	224086.91	59.6	413.63	78100	23.7861 ng/ml
Sertraline	5.770	39459	344.45	88.2	6064.16	66447	24.9763 ng/ml
Temazepam	5.805	415127	997.25	30.1	148.44	916142	24.8259 ng/ml
Tramadol	4.219	538314	41636.49	3.5	150.84	1133706	26.2507 ng/ml
Trazodone	5.174	138068	∞	79.2	16238.51	229745	26.8240 ng/ml
Venlafaxine	5.020	359430	32323.18	36.6	886.34	773651	24.6564 ng/ml
Zolpidem	4.932	575187	23252.58	30.9	9914.87	1118009	25.8732 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results   D:\MassHunter\Data\2020\AM 27-28\ 010820 AM 28 wklst 3929 TS\QuantResults\MDQ P1 TS.batch.bin
Calibration Last Update   1/9/2020 9:19:53 AM

Instrument	Falco	**Data File**	p1 Cal 4-50ng.d
Type	Cal	**Sample**	p1 Cal 4-50ng
Acq. Method	MDQ P1 Combined 092319.m	**Operator**	Tamara Salazar
Sample Position	P2-E12	**Comment**	
Injection Volume	2		
Acq. Date-Time	1/8/2020 9:27:00 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	11157	16356.36	71.5	∞	48593	5.0085 ng/ml
7-aminoclonazepam	4.231	233131	27465.27	81.7	6255.03	188269	55.0583 ng/ml
a-hydroxyalprazolam	5.680	51050	375.62	68.2	1658.17	53308	53.6380 ng/ml
alpha-PVP	4.337	631876	26278.87	50.5	10158.86	557841	50.5112 ng/ml
Alprazolam	5.756	435285	2256.30	102.3	3869.22	210166	51.6385 ng/ml
Amphetamine	3.014	888849	13119.42	53.4	8201.92	196382	53.9842 ng/ml
Benzoylecgonine	3.847	19943	780.51	8.1	165.06	16980	46.9773 ng/ml
Buprenorphine	5.882	26262	485.06	15.3	4762.74	186718	5.3347 ng/ml
Bupropion	4.766	552166	995.69	58.7	909.83	380774	52.3967 ng/ml
Carisoprodol	5.705	344059	26716.33	54.0	352.94	338020	52.1458 ng/ml
Citalopram	5.195	432046	5331.32	40.9	997.17	385573	50.2156 ng/ml
Clonazepam	5.586	332248	7701.65	32.3	3988.54	116716	55.1285 ng/ml
Cocaine	4.237	620381	55427.37	44.4	18327.37	945237	49.6614 ng/ml
Codeine	2.550	74871	2099.02	102.9	2041.55	65677	52.8039 ng/ml
Cyclobenzaprine	5.610	350571	429.95	10.2	722.69	267764	48.9509 ng/ml
Dextromethorphan	5.245	233723	3365.01	79.1	499.00	215718	50.0550 ng/ml
Dextrorphan	4.093	149029	9382.37	212.6	20947.77	404903	49.6044 ng/ml
Diazepam	5.941	321288	5031.03	86.9	993.23	300609	51.9467 ng/ml
Dihydrocodeine	2.521	186247	6054.97	67.4	1827.25	202292	54.2561 ng/ml
Diphenhydramine	5.272	955792	974.57	33.3	19283.93	1397822	49.3222 ng/ml
Doxylamine	4.514	1347510	31561.33	96.8	101948.31	1138164	55.0526 ng/ml
EDDP	5.237	384000	14175.65	42.7	1385.52	397202	49.6694 ng/ml
Fentanyl	5.086	35411	390.00	66.6	158.85	397202	4.9618 ng/ml
Fluoxetine	5.702	457574	818.54	9.0	5341.64	395372	49.1434 ng/ml
Hydrocodone	2.991	209694	∞	41.5	2113.21	276192	56.1185 ng/ml
Hydromorphone	1.581	171791	916.61	78.6	1342.18	127143	51.2240 ng/ml
Ketamine	4.033	536765	3203.05	38.1	1358.72	491323	52.7633 ng/ml
Lamotrigine	4.254	52930	1001.80	80.2	3796.67	491323	53.9322 ng/ml
Lorazepam	5.728	314426	16596.03	57.1	∞	116716	54.7176 ng/ml
Meprobamate	4.868	170208	1529.68	26.8	1450.01	178690	52.7970 ng/ml
Methadone	5.648	611866	6040.09	53.5	9654.44	583044	48.9279 ng/ml
Methamphetamine	3.188	504315	4586.05	42.4	3269.45	401911	53.6898 ng/ml
Metoprolol	4.299	107605	9072.03	96.1	∞	1220355	54.1921 ng/ml

p1 Cal 4-50ng   Generated at 9:21 AM on 1/9/2020

TS

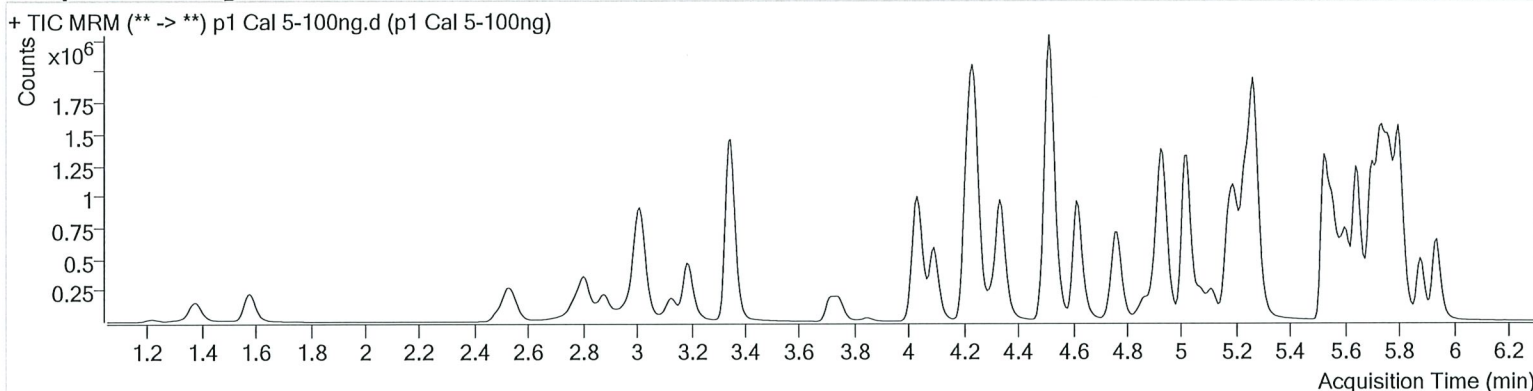| Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.616	817984	21996.21	49.5	13663.38	557841	50.9454 ng/ml
Mitragynine	5.220	111546	198714.57	38.5	5603.88	583044	53.6611 ng/ml
Morphine	1.220	21093	695.05	22.7	102.47	4332	52.6239 ng/ml
Norbuprenorphine	4.970	1871	813.05	84.3	47.77	17917	4.8951 ng/ml
Nordiazepam	5.881	292061	2119.42	56.5	1638.17	181130	52.8828 ng/ml
Norfentanyl	4.053	88443	1724.47	37.3	601.04	780220	4.7327 ng/ml
Norhydrocodone	3.039	4431	∞	32.2	49.24	42818	49.8792 ng/ml
Noroxycodone	2.876	210894	2013.01	49.7	8194.48	127778	51.9787 ng/ml
O-desmethyl-tramadol	3.348	1212513	98581.87	6.2	1376.00	1315896	50.1001 ng/ml
Oxazepam	5.738	488253	11404.99	71.0	2831.02	605221	53.7529 ng/ml
Oxycodone	2.800	431008	3385.23	31.9	1388.60	403625	52.6614 ng/ml
Oxymorphone	1.376	165155	1084.26	48.3	671.37	117210	51.0579 ng/ml
Phentermine	3.745	199795	3856.63	2.5	325.61	485388	54.1683 ng/ml
Promethazine	5.527	812998	2600.21	31.2	2013.48	742505	49.1350 ng/ml
Quetiapine	5.558	488743	2820.08	59.9	32005.40	118822	50.4560 ng/ml
Sertraline	5.770	287986	3211.55	91.4	895.06	250641	48.1630 ng/ml
Temazepam	5.805	835065	1127.49	30.4	197.02	913447	50.0939 ng/ml
Tramadol	4.219	1152486	2831.24	3.4	428.78	1220355	53.4162 ng/ml
Trazodone	5.174	599295	1189.39	79.3	6247.09	525255	51.5556 ng/ml
Venlafaxine	5.020	900195	1331.17	37.1	1340.77	962473	49.3509 ng/ml
Zolpidem	4.932	1202480	239171.61	31.1	∞	1146034	53.4867 ng/ml

AM #28 Multi-Drug Quant. Results

TS

Batch results   D:\MassHunter\Data\2020\AM 27-28\ 010820 AM 28 wklst 3929 TS\QuantResults\MDQ P1 TS.batch.bin
Calibration Last Update   1/9/2020 9:19:53 AM

Instrument	Falco	**Data File**	p1 Cal 5-100ng.d
Type	Cal	**Sample**	p1 Cal 5-100ng
Acq. Method	MDQ P1 Combined 092319.m	**Operator**	Tamara Salazar
Sample Position	P2-D12	**Comment**	
Injection Volume	2		
Acq. Date-Time	1/8/2020 9:37:37 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	21908	739.41	70.6	5803.70	48251	9.9323 ng/ml
7-aminoclonazepam	4.237	401711	17950.49	80.8	14590.83	169943	106.1808 ng/ml
a-hydroxyalprazolam	5.680	92060	862.19	69.2	∞	50841	101.9000 ng/ml
alpha-PVP	4.344	1187962	34192.80	51.1	4473.97	543896	97.3827 ng/ml
Alprazolam	5.756	784096	2052.51	102.0	1502.27	192902	102.0585 ng/ml
Amphetamine	3.014	1534072	24003.24	53.7	32999.86	184662	100.2133 ng/ml
Benzoylecgonine	3.847	40020	2632.64	7.6	342.69	17185	91.8698 ng/ml
Buprenorphine	5.882	49837	1165.11	15.6	12913.99	188989	10.0702 ng/ml
Bupropion	4.766	1032449	42121.23	59.0	1597.33	367220	102.3511 ng/ml
Carisoprodol	5.705	587046	477.77	54.4	1113.20	294944	102.4651 ng/ml
Citalopram	5.202	836006	1349.12	41.3	976.26	382833	97.5468 ng/ml
Clonazepam	5.586	577415	24416.12	33.0	15352.31	108590	103.7806 ng/ml
Cocaine	4.237	1151313	85768.07	44.4	25043.97	899684	96.5669 ng/ml
Codeine	2.550	139003	1405.47	101.3	1909.09	62405	103.7608 ng/ml
Cyclobenzaprine	5.610	693293	2697.63	10.3	380.16	262212	98.9061 ng/ml
Dextromethorphan	5.245	460485	18549.09	78.4	2361.74	215534	98.8097 ng/ml
Dextrorphan	4.093	294530	6029.58	210.0	4248.66	399879	99.2185 ng/ml
Diazepam	5.941	586287	3491.83	87.2	4598.23	282781	101.0537 ng/ml
Dihydrocodeine	2.521	350937	18130.72	66.0	1558.00	199610	104.4140 ng/ml
Diphenhydramine	5.272	1876060	134902.12	33.0	831.78	1391951	96.9271 ng/ml
Doxylamine	4.514	2639365	157120.02	96.8	79330.99	1124543	111.4405 ng/ml
EDDP	5.237	780020	2514.01	42.9	49163.02	440549	98.7048 ng/ml
Fentanyl	5.086	70766	344.17	66.5	∞	400512	9.8501 ng/ml
Fluoxetine	5.702	871394	2995.39	8.9	1613.54	378029	97.8822 ng/ml
Hydrocodone	2.991	390842	∞	40.4	268.81	278227	104.7952 ng/ml
Hydromorphone	1.581	324722	4474.83	77.8	640.73	122865	100.5719 ng/ml
Ketamine	4.033	1025611	1883.01	37.8	13608.98	482469	103.5373 ng/ml
Lamotrigine	4.254	94241	12642.50	80.8	∞	482469	98.7739 ng/ml
Lorazepam	5.728	483212	6466.09	57.6	∞	108590	92.0911 ng/ml
Meprobamate	4.875	300716	∞	26.6	4541.87	168399	99.7035 ng/ml
Methadone	5.648	1211526	3126.53	53.9	42942.72	574123	98.0296 ng/ml
Methamphetamine	3.188	896606	3030.84	42.5	41631.78	376960	102.7648 ng/ml
Metoprolol	4.299	206165	51024.23	96.2	6468.93	1171909	108.7555 ng/ml

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.616	1588896	168019.63	49.7	165884.06	543896	101.0990 ng/ml
Mitragynine	5.220	214923	49429.62	38.9	2700.07	574123	106.1687 ng/ml
Morphine	1.220	39487	3349.77	23.5	173.58	4305	99.5581 ng/ml
Norbuprenorphine	4.970	3994	161.52	80.4	262.49	18877	10.1226 ng/ml
Nordiazepam	5.881	525270	1478.07	57.6	2461.21	165730	104.4883 ng/ml
Norfentanyl	4.061	170449	8039.49	37.2	431.93	748134	9.4723 ng/ml
Norhydrocodone	3.039	8705	217.70	36.8	154.65	37923	109.4483 ng/ml
Noroxycodone	2.876	390136	15331.59	48.8	1007.67	122627	100.4887 ng/ml
O-desmethyl-tramadol	3.348	2322674	7025.36	6.0	20602.40	1275730	99.2144 ng/ml
Oxazepam	5.738	802133	16183.49	71.7	∞	512401	105.0319 ng/ml
Oxycodone	2.800	822331	13741.83	31.9	3850.43	394449	103.2272 ng/ml
Oxymorphone	1.376	310953	1168.72	48.7	789.07	112159	100.8442 ng/ml
Phentermine	3.745	382435	7791.31	2.5	692.53	471428	107.8151 ng/ml
Promethazine	5.527	1600257	108214.87	30.7	1482.98	737421	97.2499 ng/ml
Quetiapine	5.558	943921	2807.57	60.2	1003.62	120637	95.7599 ng/ml
Sertraline	5.770	547089	1553.54	92.0	842.65	237228	96.4935 ng/ml
Temazepam	5.805	1516531	17840.03	30.5	806.95	847356	98.0758 ng/ml
Tramadol	4.219	2178026	101873.87	3.4	2095.39	1171909	106.3022 ng/ml
Trazodone	5.174	1172335	193442.04	79.8	55345.81	528083	100.9741 ng/ml
Venlafaxine	5.020	1746495	∞	36.3	908.31	939301	97.8299 ng/ml
Zolpidem	4.932	2282052	288934.17	31.1	3522.28	1126849	103.8781 ng/ml

AM #28 Multi-Drug Quant. Results

Instrument	Falco	**Data File**	p1 Cal 6-250ng.d
Type	Cal	**Sample**	p1 Cal 6-250ng
Acq. Method	MDQ P1 Combined 092319.m	**Operator**	Tamara Salazar
Sample Position	P2-C12	**Comment**	
Injection Volume	2		
Acq. Date-Time	1/8/2020 9:48:11 PM		
Sample Info.			

Sample Chromatogram

+ TIC MRM (** -> **) p1 Cal 6-250ng.d (p1 Cal 6-250ng)
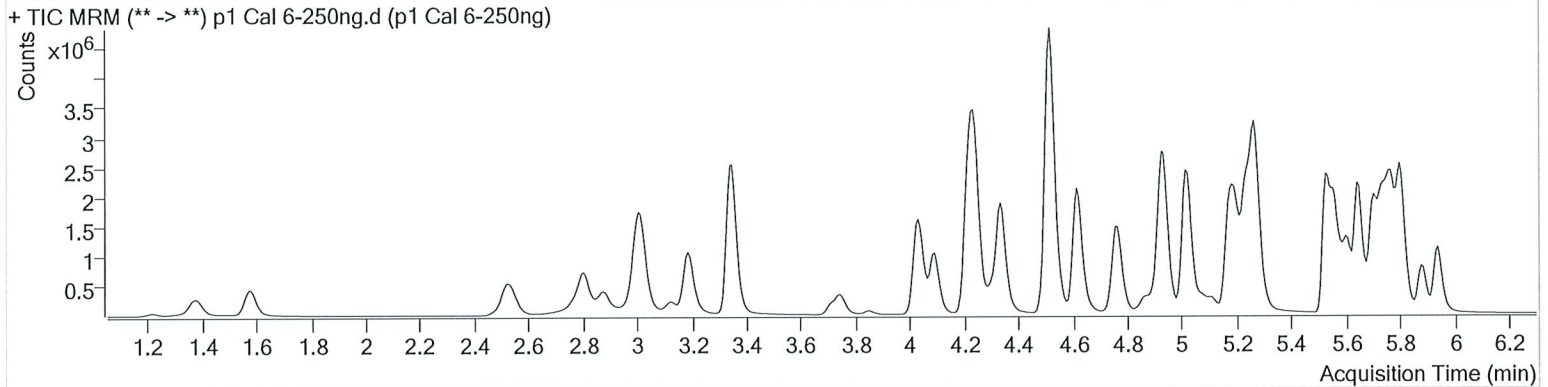
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.109	50934	1830.58	70.8	1346.26	44765	24.9327 ng/ml
7-aminoclonazepam	4.231	706640	2222.31	82.7	28369.87	132857	240.4021 ng/ml
a-hydroxyalprazolam	5.680	177965	1149.10	69.3	698.54	39709	253.0097 ng/ml
alpha-PVP	4.337	2686809	78159.89	50.2	16604.95	478611	250.2661 ng/ml
Alprazolam	5.756	1512469	3298.11	101.8	833.16	149089	255.8302 ng/ml
Amphetamine	3.014	3090762	158409.29	53.1	∞	177685	211.3086 ng/ml
Benzoylecgonine	3.847	96320	1559.95	7.5	696.47	15997	235.4503 ng/ml
Buprenorphine	5.882	106842	1959.29	16.0	3962.19	161790	25.3359 ng/ml
Bupropion	4.766	2327026	4857.18	58.2	26077.50	332448	256.0268 ng/ml
Carisoprodol	5.705	1026488	724.61	54.2	13523.10	214815	246.7277 ng/ml
Citalopram	5.195	1750912	20361.30	41.3	963.07	318908	244.7474 ng/ml
Clonazepam	5.586	1057397	78352.88	32.9	7802.79	83847	247.4008 ng/ml
Cocaine	4.237	2422065	341333.22	43.9	87041.03	734213	248.5018 ng/ml
Codeine	2.550	288169	677.43	103.7	10217.61	53638	251.1360 ng/ml
Cyclobenzaprine	5.610	1440668	165029.59	10.1	3722.53	214138	251.7447 ng/ml
Dextromethorphan	5.245	908576	1057.45	78.6	761.02	167717	250.7137 ng/ml
Dextrorphan	4.093	650287	59636.95	209.3	3191.24	349928	250.2598 ng/ml
Diazepam	5.941	1174495	1277.95	87.3	∞	226615	253.0675 ng/ml
Dihydrocodeine	2.521	757972	6327.75	67.3	3723.75	185338	244.0635 ng/ml
Diphenhydramine	5.272	3976016	8889.66	32.8	65024.28	1158901	246.2662 ng/ml
Doxylamine	4.514	5988401	2192507.40	96.0	163588.38	1017163	283.0734 ng/ml
EDDP	5.237	1793426	61907.77	42.9	804.00	403745	247.9999 ng/ml
Fentanyl	5.086	159288	2141.86	66.6	24247.69	355523	25.0028 ng/ml
Fluoxetine	5.702	1743610	2866.93	8.8	140745.09	297474	248.8951 ng/ml
Hydrocodone	2.991	796788	565.90	41.2	∞	250158	239.0471 ng/ml
Hydromorphone	1.581	709252	1372.14	78.2	1386.29	107704	251.1758 ng/ml
Ketamine	4.033	2252448	50646.75	37.7	9705.47	434659	253.7244 ng/ml
Lamotrigine	4.254	180801	9753.29	79.9	17678.60	434659	211.7133 ng/ml
Lorazepam	5.728	661188	∞	59.4	1117.35	83847	165.2179 ng/ml
Meprobamate	4.868	556277	41175.86	26.7	5248.44	140748	221.6724 ng/ml
Methadone	5.648	2596807	43200.77	52.3	95333.18	483075	249.1765 ng/ml
Methamphetamine	3.188	2086577	65929.06	42.5	5444.43	369530	245.4863 ng/ml
Metoprolol	4.299	442287	37222.01	96.4	∞	1031934	265.8768 ng/ml

AM #28 Multi-Drug Quant. Results

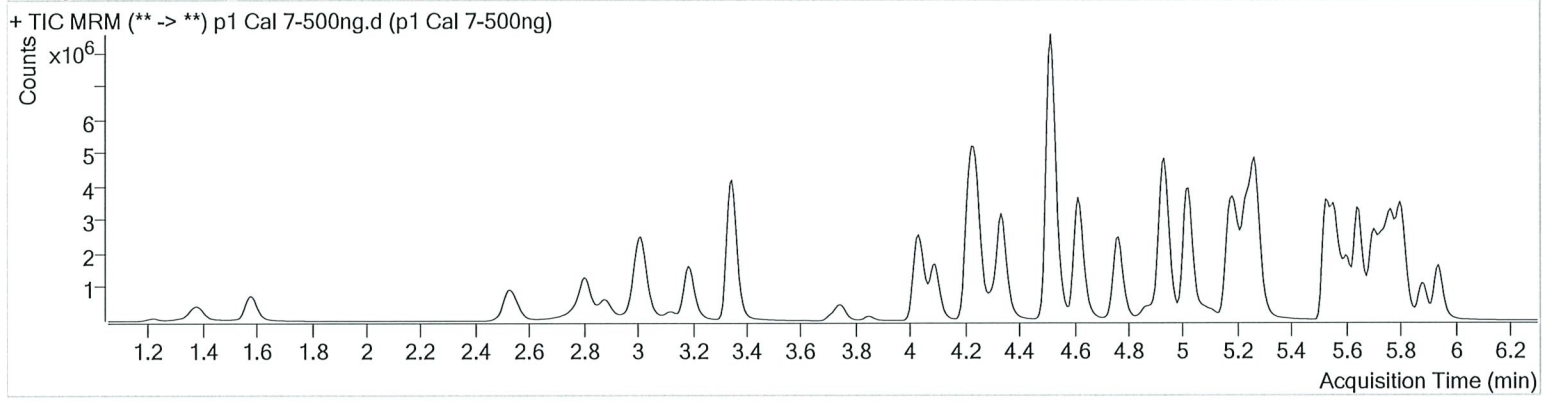| Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.616	3549001	358343.23	49.1	212754.97	478611	256.0035 ng/ml
Mitragynine	5.220	444558	133029.47	39.0	281387.84	483075	262.7791 ng/ml
Morphine	1.220	88927	909.29	22.8	774.18	3827	253.0110 ng/ml
Norbuprenorphine	4.970	8391	401.18	79.8	389.31	16643	24.3971 ng/ml
Nordiazepam	5.881	993624	2928.39	56.9	12678.89	128414	255.8990 ng/ml
Norfentanyl	4.061	386438	11188.73	37.5	3160.96	628199	25.5081 ng/ml
Norhydrocodone	3.032	21341	327.90	38.2	∞	30677	329.7182 ng/ml
Noroxycodone	2.876	791395	1368.06	48.8	597.80	98098	255.2983 ng/ml
O-desmethyl-tramadol	3.348	5149083	92554.92	6.0	22044.37	1112420	252.5858 ng/ml
Oxazepam	5.738	1253505	5327.34	69.9	4315.70	333568	253.2123 ng/ml
Oxycodone	2.800	1831436	26093.08	31.9	3756.36	360871	251.9187 ng/ml
Oxymorphone	1.376	651733	714.46	47.5	882.86	92262	257.5552 ng/ml
Phentermine	3.745	756444	12783.79	2.4	∞	434668	232.5395 ng/ml
Promethazine	5.527	3450475	13722.76	30.5	3699.52	619190	249.5201 ng/ml
Quetiapine	5.558	2113290	51285.18	60.2	2188.41	105769	244.1457 ng/ml
Sertraline	5.777	1024826	1345.84	90.2	958.26	177986	240.6580 ng/ml
Temazepam	5.805	3113720	1718.69	29.7	2068.38	679842	250.9963 ng/ml
Tramadol	4.219	4630291	5882.63	3.3	1613.77	1031934	258.3679 ng/ml
Trazodone	5.174	2621572	208213.35	80.2	1691.83	495680	241.5257 ng/ml
Venlafaxine	5.013	3874830	∞	36.3	3149.15	821318	247.7931 ng/ml
Zolpidem	4.932	5130063	193547.53	30.4	77929.75	1020924	258.7718 ng/ml

AM #28 Multi-Drug Quant. Results

TS

Batch results D:\MassHunter\Data\2020\AM 27-28\ 010820 AM 28 wklst 3929 TS\QuantResults\MDQ P1 TS.batch.bin
Calibration Last Update 1/9/2020 9:19:53 AM

Instrument	Falco	**Data File**	p1 Cal 7-500ng.d
Type	Cal	**Sample**	p1 Cal 7-500ng
Acq. Method	MDQ P1 Combined 092319.m	**Operator**	Tamara Salazar
Sample Position	P2-B12	**Comment**	
Injection Volume	2		
Acq. Date-Time	1/8/2020 9:58:47 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	108385	2400.59	70.5	2430.14	47264	50.2786 ng/ml
7-aminoclonazepam	4.237	919271	25246.72	81.1	1231.56	102998	404.2085 ng/ml
a-hydroxyalprazolam	5.673	281660	3177.65	68.2	2457.25	33610	473.5615 ng/ml
alpha-PVP	4.337	4910853	154660.01	50.1	6807.13	435125	503.1258 ng/ml
Alprazolam	5.756	2450812	865.11	101.2	1220.34	122952	503.3868 ng/ml
Amphetamine	3.014	4122342	65178.58	57.4	259209.08	162130	309.4994 ng/ml
Benzoylecgonine	3.847	209945	17773.88	7.6	1711.47	16988	481.9056 ng/ml
Buprenorphine	5.882	172535	5225.72	15.7	2429.38	136539	48.5513 ng/ml
Bupropion	4.766	4044889	4284.56	57.9	41391.52	289391	512.0561 ng/ml
Carisoprodol	5.705	1479224	54743.02	53.6	10181.24	156084	489.8443 ng/ml
Citalopram	5.195	2818354	∞	41.5	4938.84	258387	485.9043 ng/ml
Clonazepam	5.586	1540878	39327.65	32.9	15964.68	64905	466.5525 ng/ml
Cocaine	4.237	4249244	354298.65	43.7	98924.68	642030	498.2886 ng/ml
Codeine	2.550	506005	∞	100.0	34492.90	48174	491.5775 ng/ml
Cyclobenzaprine	5.610	2268539	3589.21	10.1	1505.04	165782	512.0864 ng/ml
Dextromethorphan	5.245	1344308	1136.54	79.1	1148.99	124332	500.5003 ng/ml
Dextrorphan	4.093	1160836	4692.25	212.5	221153.24	316102	494.5019 ng/ml
Diazepam	5.941	1925544	∞	87.2	1011.53	193277	486.7396 ng/ml
Dihydrocodeine	2.521	1376716	5925.30	67.3	6794.81	191998	428.5890 ng/ml
Diphenhydramine	5.272	6559341	192609.54	32.6	116232.64	947281	496.7254 ng/ml
Doxylamine	4.514	11138781	364099.99	96.3	38827.69	1001063	537.0876 ng/ml
EDDP	5.237	3378548	75767.42	42.3	140204.11	370645	509.1749 ng/ml
Fentanyl	5.086	272355	1095.82	66.9	187421.25	303234	50.1388 ng/ml
Fluoxetine	5.702	2575411	2499.34	9.0	∞	222673	491.1301 ng/ml
Hydrocodone	2.991	1507556	512.40	40.6	∞	248037	457.1829 ng/ml
Hydromorphone	1.581	1330824	∞	78.2	∞	103073	492.8559 ng/ml
Ketamine	4.033	4225878	2889.41	37.3	91755.37	427395	484.9459 ng/ml
Lamotrigine	4.261	279191	∞	77.7	26351.52	427395	333.1737 ng/ml
Lorazepam	5.728	785271	∞	54.9	∞	64905	254.8897 ng/ml
Meprobamate	4.875	877724	77323.98	26.2	7224.25	131316	375.4624 ng/ml
Methadone	5.648	4244288	∞	53.3	770.08	397439	494.6658 ng/ml
Methamphetamine	3.188	3322792	7237.62	42.4	81373.33	326816	442.9086 ng/ml
Metoprolol	4.299	762900	∞	96.9	36061.97	988842	479.1063 ng/ml

AM #28 Multi-Drug Quant. Results

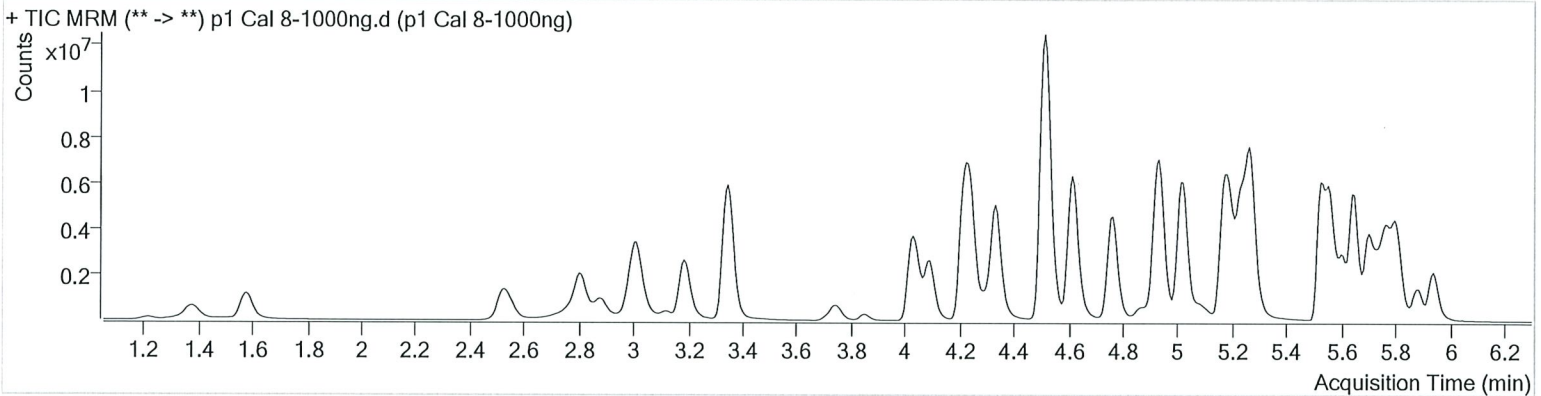| Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.616	6292296	600677.05	48.8	175272.70	435125	498.8699 ng/ml
Mitragynine	5.220	664086	43426.60	39.2	∞	397439	478.1210 ng/ml
Morphine	1.220	179631	51484.92	21.9	910.69	3956	494.8303 ng/ml
Norbuprenorphine	4.970	14997	614.24	80.9	754.92	14021	51.9811 ng/ml
Nordiazepam	5.881	1494831	2222.34	57.2	3514.25	104144	475.1760 ng/ml
Norfentanyl	4.061	730946	54371.73	37.1	4672.64	514020	58.9139 ng/ml
Norhydrocodone	3.039	50115	414.62	39.1	423.50	30185	785.5650 ng/ml
Noroxycodone	2.876	1299231	1291.64	49.9	2234.42	82125	500.9447 ng/ml
O-desmethyl-tramadol	3.348	9660042	357427.78	5.9	25813.94	1047867	503.2864 ng/ml
Oxazepam	5.738	1435100	8932.02	69.9	3377.02	205013	472.3421 ng/ml
Oxycodone	2.800	3563509	5634.10	32.0	14298.76	366654	482.8382 ng/ml
Oxymorphone	1.376	1163813	∞	47.9	1011.97	88200	481.4466 ng/ml
Phentermine	3.745	1255517	15475.46	2.4	977.29	401363	418.8574 ng/ml
Promethazine	5.527	5674892	303171.06	29.9	7598.62	504925	503.1114 ng/ml
Quetiapine	5.558	3772435	∞	59.0	1728.25	92180	499.8192 ng/ml
Sertraline	5.777	1382095	26201.78	91.9	2544.51	116394	496.1131 ng/ml
Temazepam	5.805	5021326	899.61	29.4	16475.02	539739	509.8426 ng/ml
Tramadol	4.219	8166742	9943.90	3.3	2302.94	988842	476.5840 ng/ml
Trazodone	5.174	4684943	482918.84	78.3	∞	464405	461.3262 ng/ml
Venlafaxine	5.020	7060503	∞	35.9	1975.61	741292	499.9699 ng/ml
Zolpidem	4.932	9711637	208153.72	30.0	69248.77	1032179	485.1385 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results   D:\MassHunter\Data\2020\AM 27-28\ 010820 AM 28 wklst 3929 TS\QuantResults\MDQ P1 TS.batch.bin
Calibration Last Update   1/9/2020 9:19:53 AM

Instrument	Falco	**Data File**	p1 Cal 8-1000ng.d
Type	Cal	**Sample**	p1 Cal 8-1000ng
Acq. Method	MDQ P1 Combined 092319.m	**Operator**	Tamara Salazar
Sample Position	P2-A12	**Comment**	
Injection Volume	2		
Acq. Date-Time	1/8/2020 10:09:21 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	198905	2759.49	72.2	3050.15	44441	98.1583 ng/ml
7-aminoclonazepam	4.237	940361	∞	81.5	∞	64573	660.2753 ng/ml
a-hydroxyalprazolam	5.673	350216	2656.70	68.4	720.93	21203	933.9221 ng/ml
alpha-PVP	4.337	8391928	134477.11	49.9	2237.93	374470	999.0129 ng/ml
Alprazolam	5.756	3338431	2331.99	101.2	1134.59	85455	987.3013 ng/ml
Amphetamine	3.014	6184945	185.23	52.4	447453.29	157089	479.9977 ng/ml
Benzoylecgonine	3.847	467284	∞	7.6	3433.06	17430	1043.8815 ng/ml
Buprenorphine	5.882	332860	1232.97	15.1	16786.94	135084	94.7501 ng/ml
Bupropion	4.766	7726269	3732.25	58.0	72804.81	289729	977.6902 ng/ml
Carisoprodol	5.712	1674162	∞	53.0	53841.86	89966	962.3345 ng/ml
Citalopram	5.195	4518053	69383.19	40.7	7226.67	196930	1021.6662 ng/ml
Clonazepam	5.586	1785264	109966.02	32.8	∞	39919	879.7121 ng/ml
Cocaine	4.237	6379706	141491.50	43.0	181618.33	476807	1007.0735 ng/ml
Codeine	2.550	771637	799.28	100.0	1787.35	39295	919.5624 ng/ml
Cyclobenzaprine	5.610	3912442	2477.36	9.9	732.48	139661	1048.4008 ng/ml
Dextromethorphan	5.245	2032881	1617.09	79.3	1384.98	94100	1000.1374 ng/ml
Dextrorphan	4.093	1966499	119309.94	213.7	25250.27	263063	1006.5520 ng/ml
Diazepam	5.941	2724700	5785.78	87.6	∞	138265	963.0836 ng/ml
Dihydrocodeine	2.521	2172862	36617.06	68.1	∞	184770	703.4674 ng/ml
Diphenhydramine	5.272	11168050	217153.49	33.0	27599.85	792142	1011.0564 ng/ml
Doxylamine	4.514	18020288	34856.84	97.0	440827.23	952597	914.7479 ng/ml
EDDP	5.237	6048376	6418.84	41.9	63199.00	325681	1037.6419 ng/ml
Fentanyl	5.086	591033	3488.43	66.5	38739.52	318723	103.5352 ng/ml
Fluoxetine	5.702	4519463	2284.39	8.7	828.85	189465	1012.9205 ng/ml
Hydrocodone	2.991	2566902	∞	41.7	∞	232210	832.4269 ng/ml
Hydromorphone	1.581	2244991	∞	78.4	∞	88020	973.9701 ng/ml
Ketamine	4.033	6834608	220349.19	37.2	25407.54	375374	893.7831 ng/ml
Lamotrigine	4.261	350696	28024.16	78.3	88727.51	375374	477.0241 ng/ml
Lorazepam	5.728	768763	∞	59.1	2372.50	39919	407.2715 ng/ml
Meprobamate	4.875	1238502	102792.53	25.8	10152.47	105993	656.9859 ng/ml
Methadone	5.648	7640571	18099.55	52.5	165507.81	350408	1009.6512 ng/ml
Methamphetamine	3.188	5759033	149760.56	42.0	583965.85	333230	753.6440 ng/ml
Metoprolol	4.299	1152884	128442.20	97.4	∞	855186	837.6504 ng/ml

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.616	11379842	349161.36	49.3	302951.70	374470	1047.9210 ng/ml
Mitragynine	5.214	1039210	36153.41	39.5	46887.35	350408	849.5673 ng/ml
Morphine	1.220	301700	13200.46	22.3	1784.58	3383	972.2587 ng/ml
Norbuprenorphine	4.970	29133	505.11	81.5	1060.40	13511	104.9983 ng/ml
Nordiazepam	5.888	1952821	850.33	57.0	1385.53	70964	911.5201 ng/ml
Norfentanyl	4.061	1298875	7641.37	36.7	3141.47	379827	141.6197 ng/ml
Norhydrocodone	3.039	129881	404.75	39.0	777.86	28955	2120.7628 ng/ml
Noroxycodone	2.876	1987354	2304.91	48.8	∞	65320	963.6928 ng/ml
O-desmethyl-tramadol	3.348	15329426	537215.48	5.9	30791.97	837676	999.2852 ng/ml
Oxazepam	5.731	1393102	11182.11	70.6	2215.84	106772	881.0727 ng/ml
Oxycodone	2.800	6135221	8088.44	31.9	2846.13	331162	920.7825 ng/ml
Oxymorphone	1.376	1887096	∞	48.4	∞	71619	961.7904 ng/ml
Phentermine	3.745	1960643	∞	2.3	1294.11	386308	680.2664 ng/ml
Promethazine	5.527	10247646	5982.98	29.8	95539.47	458217	1000.9898 ng/ml
Quetiapine	5.558	6596930	370307.78	58.9	3259.27	72219	1115.3227 ng/ml
Sertraline	5.777	2194317	499.97	87.7	1539.13	90047	1017.9458 ng/ml
Temazepam	5.805	6600190	575.17	29.9	318.39	357187	1012.6648 ng/ml
Tramadol	4.213	12461585	296796.22	3.4	4244.22	855186	841.8047 ng/ml
Trazodone	5.174	8554122	12392.52	79.4	294756.84	520954	751.3294 ng/ml
Venlafaxine	5.020	11852994	∞	36.3	3605.09	618756	1005.2695 ng/ml
Zolpidem	4.932	15310089	520337.55	30.6	234077.81	913004	865.1772 ng/ml