Worklist: 4628

LAB CASE	ITEM	ITEM TYPE	DESCRIPTION	
M2020-3163	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	|||| ||| |||||||||||||||||||| ||||| ||| |||
M2020-4305	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	|||| ||| |||||||||||||||| |||||||| |||
M2020-4400	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	|||| ||| ||||||||||||||||| ||||||||
M2020-4493	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	|||| ||| ||||||||||||||||| |||||| |||
M2020-4497	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	|||| ||| ||||||||||||||| |||| |||| |||
M2020-4507	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	|||| ||| |||||||||||||||| ||||| |||||| |||
M2020-4550	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	|||| ||| ||||||||||||||||| |||||| |||
P2020-2852	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	|||| ||| ||||||||||||||||| |||| ||| |||
P2020-3297	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	|||| ||| |||||||||||||||| ||||| ||||||
P2020-3315	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	|||| ||| ||||||||||||||||| |||||| ||||
P2020-3333	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	|||| ||| |||||||||||||||| |||| |||||||
P2020-3334	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	|||| ||| ||||||||||||||||| |||| ||| ||||
P2020-3335	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	|||| ||| ||||||||||||||||| |||||||| |||
P2020-3336	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	|||| ||| |||||||||||||||||| |||| ||||||
P2020-3338	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	|||| ||| |||||||||||||||||| |||||| |||
P2020-3368	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	|||| ||| ||||||||||||||||| ||| ||| |||
P2020-3400	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	|||| ||| |||||||||||||||||| |||| |||||
P2020-3401	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	|||| ||| |||||||||||||||||| ||||||||
P2020-3404	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	|||| ||| |||||||||||||||||| ||||||||
P2020-3407	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	|||| ||| ||||||||||||||||| |||||||||
P2020-3412	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	|||| ||| |||||||||||||||||| ||| |||||||

Worklist: 4628

LAB CASE	ITEM	ITEM TYPE	DESCRIPTION	
P2020-3413	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	‖‖‖ ‖‖ ‖‖‖‖‖‖‖‖‖‖
P2020-3416	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	‖‖‖ ‖‖ ‖‖‖‖‖‖‖‖‖‖
P2020-3443	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	‖‖‖ ‖‖ ‖‖‖‖‖‖‖‖‖‖

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

Extraction Date: <u>11/25/2020</u>   Analyst: <u>Sophia Jackson</u>

Plate lot#: IDP-111-2-200513   Plate Expiration: 11/13/2020

Mobile phase A: 5mM Amm Form + 0.01% FA   **Mobile phase B:** 0.01% Formic Acid in MeOH

Blank Blood Lot: Lampire 20L20725

Column: Agilent 120 EC-C18 (2.1x 100-2.7um)   **LCMS-QQQ ID**: 066901

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. Urine hydrolysis pipette 250 ul urine in blank well, add 40 ul BG Turbo, add 100 ul 500 mm sodium phosphate buffer, mix for at least 5 minutes at ambient temperature. Pipette **250µL blood (calibrated pipette) or 250µL hydrolyzed urine** in wells of analytical (standards) plate. **Pipette ID: 16**

☒ 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.

☒ 4. Pipette **250µL 0.5M ammonium hydroxide** in wells of analytical plate.

☒ 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.

☒ 6. Transfer **300µL of blood+base/urine+base** mixture to corresponding wells of SLE+ plate.

☒ 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent). *(Load at 85-100 PSI- Selector to the right)*

☒ 8. Wait 5 minutes.

☒ 9. Add **900uL ethyl acetate.**

☒ 10. Wait 5 minutes.

☒ 11. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.

☒ 12. Add **900uL ethyl acetate.**

☒ 13. Wait 5 minutes.

☒ 14. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.

☒ 15. Remove plate containing eluate. ==If run contains urine, add 50µL 1% HCl in MeOH to wells and place plate cover on plate before drying (optional).== Place on SPE Dry and evaporate to dryness at approx. 35°C.

☒ 16. Reconstitute in **100µL 20% MeOH** and heat seal plate with foil.

Post-Analytic

☒ 1. Create batch and process data.

☒ 2. Make necessary changes to integration limits

☒ 3. Integration linear and 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? Yes, see comments   Add Control data to QC tracking spreadsheet.

☒ 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports.

COMMENTS:

Due to extraction occurring after the expiration of the analytical plate, an external control was included with this run. Due to calculated concentration of the external control falling outside of accuracy requirements, the results from this run will be reported qualitatively.

Curves limited: Amphetamine 5-500, Dihydrocodeine 5-500, Hydrocodone 5-500, Ketamine 5-500, Lamotrigine 5-250, Lorazepam 5-100, Meprobamate 5-250, Metoprolol 5-500, Mitragynine 5-100, Norbuprenorphine 2.5-100, Norfentanyl 0.5-50, Norhydrocodone 5-250, Quetiapine 5-500

Did not evaluate Oxazepam

Worklist interrupted after P2020-3333-1 Blank due to a data transfer error. Worklist restarted after error was resolved by Sarah Pickle and P2020-3333-1 Blank reinjected. The Blank was reinjected a second time due to a retention time shift and Sample P2020-3333-1 was also reinjected at that time. Reinject data analyzed for both the blank (R2) and the sample (R).

Idaho State Police
Forensic Services

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

Methanol External Control Solution (Lot: 031820)
100 µL of 1mg/mL stock was added to each drug to 9700 µL of LC MeOH.

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

Blood External Control Solution (Lot: WS112320)
100 µL of methanol external control solution was added to 9900 µL of blood.
Approximately 100 ng/mL of each compound.

| Component	Source	Source Lot Number
Negative Blood	Lampire	20K20702
Methanol External Control Solution		031820
Prepared:	11/23/20	
Prepared by:	Sophia Jackson	
Expires:	03/18/21	

AM #28 Multi-Drug Quant. Results

Batch results   D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin
Calibration Last Update   12/1/2020 3:06:31 PM

Instrument	Instrument 1	**Data File**	p1 External Control.d
Type	Sample	**Sample**	p1 External Control
Acq. Method	AM 28 MDQ P1.m	**Operator**	Sophia Jackson
Sample Position	P2-G2	**Comment**	
Injection Volume	2		
Acq. Date-Time	11/26/2020 12:11:29 AM		
Sample Info.			

Sample Chromatogram

+ TIC MRM (** -> **) p1 External Control.d (p1 External Control)
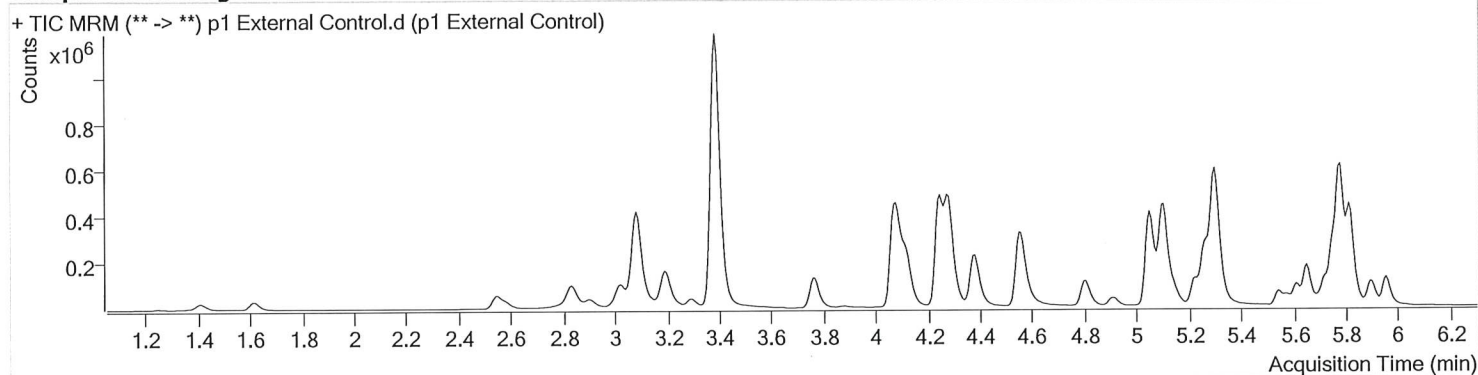
| Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Alprazolam	5.778	516983	4805.76	109.6	4173.35	171806	72.0396 ng/ml
Amphetamine	3.084	771551	10839.71	51.4	4435.85	75918	83.4288 ng/ml
O-desmethyl-tramadol	3.383	1745519	3922.68	6.9	995.18	1262071	77.1098 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin
Calibration Last Update 12/1/2020 3:06:31 PM

Instrument	Instrument 1	**Data File**	p1 Negative Blood.d
Type	Sample	**Sample**	p1 Negative Blood
Acq. Method	AM 28 MDQ P1.m	**Operator**	Sophia Jackson
Sample Position	P2-F2	**Comment**	
Injection Volume	2		
Acq. Date-Time	11/26/2020 12:43:17 AM		
Sample Info.			

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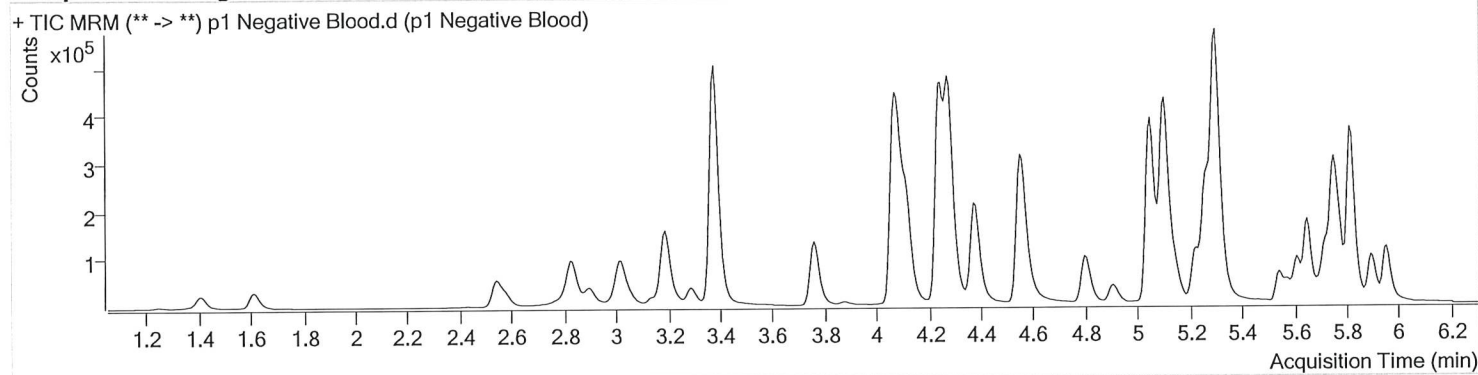
+ TIC MRM (** -> **) p1 Negative Blood.d (p1 Negative Blood)

AM #28 Multi-Drug Quant. Results

Batch results   D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin
Calibration Last Update   12/1/2020 3:06:31 PM

Instrument	Instrument 1	**Data File**	p1 QC 10.d
Type	QC	**Sample**	p1 QC 10
Acq. Method	AM 28 MDQ P1.m	**Operator**	Sophia Jackson
Sample Position	P2-A2	**Comment**	
Injection Volume	2		
Acq. Date-Time	11/25/2020 10:36:02 PM		
Sample Info.			

Sample Chromatogram

+ TIC MRM (** -> **) p1 QC 10.d (p1 QC 10)
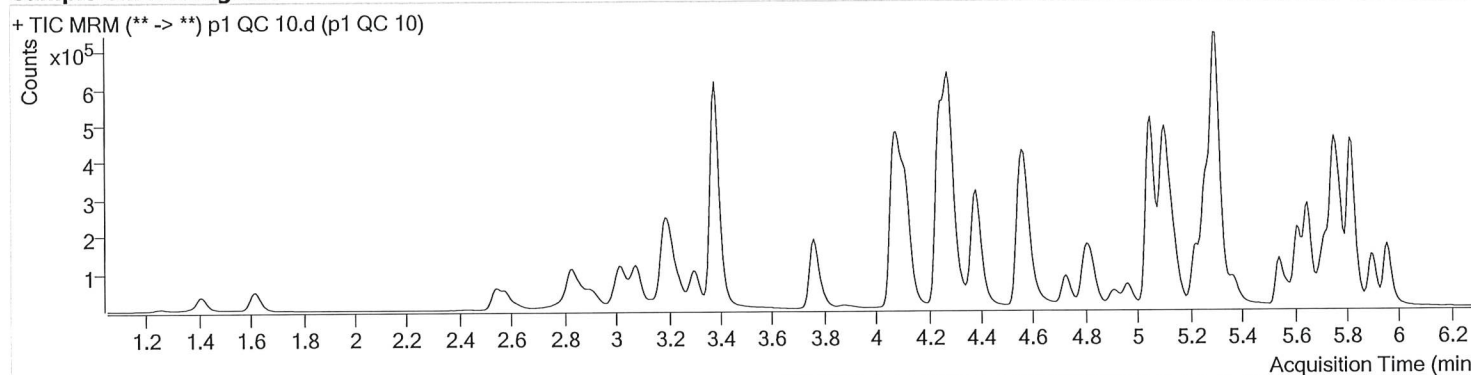
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.153	1980	719.80	78.7	242.60	31438	1.0346 ng/ml
7-aminoclonazepam	4.298	41602	2496.19	74.2	144.69	142619	9.9644 ng/ml
a-hydroxyalprazolam	5.701	24154	107.21	62.3	963.36	40729	9.9099 ng/ml
alpha-PHP	4.962	38738	902.79	277.4	10178.27	657982	9.9922 ng/ml
alpha-PVP	4.389	148035	1024.15	49.4	1432.23	657982	9.9137 ng/ml
Alprazolam	5.778	73310	835.45	105.7	654.51	186485	9.7361 ng/ml
Amphetamine	3.084	180471	2729.70	49.4	329.75	128607	10.3905 ng/ml
Benzoylecgonine	3.905	3502	444.28	9.0	288.93	14151	9.2370 ng/ml
Buprenorphine	5.958	2215	29.67	14.2	271.97	81419	1.0130 ng/ml
Bupropion	4.828	128967	5771.82	63.7	3043.58	360793	9.9475 ng/ml
Carisoprodol	5.727	46880	558.53	54.5	180.57	238311	10.3805 ng/ml
Citalopram	5.224	69412	291.58	40.2	317.00	322281	10.1459 ng/ml
Clonazepam	5.615	103249	3475.31	32.9	∞	100045	10.0425 ng/ml
Cocaine	4.277	139799	16120.72	45.7	434.34	901536	10.0979 ng/ml
Codeine	2.624	11810	554.91	102.9	224.02	51397	9.6035 ng/ml
Cyclobenzaprine	5.619	19583	54914.02	12.4	236.15	74375	9.8548 ng/ml
Dextromethorphan	5.273	34692	10050.09	83.5	141.19	158846	10.0386 ng/ml
Dextrorphan	4.117	29685	1969.72	197.5	2874.04	419306	10.0437 ng/ml
Diazepam	5.963	53214	665.77	89.4	531.09	255558	10.1998 ng/ml
Dihydrocodeine	2.575	31126	2158.40	68.6	389.89	157047	10.0852 ng/ml
Diphenhydramine	5.301	144978	587.58	32.7	3345.17	1209739	10.2553 ng/ml
Doxylamine	4.568	248016	4936.74	100.3	6663.39	1006859	10.1714 ng/ml
EDDP	5.259	89767	266.09	44.5	845.36	526237	9.8435 ng/ml
Fentanyl	5.155	3181	138.41	65.6	4340.06	162867	0.9053 ng/ml
Fluoxetine	5.703	21133	351.55	8.6	1344.93	86567	10.2096 ng/ml
Hydrocodone	3.047	36928	134.87	40.5	68.32	236510	10.4289 ng/ml
Hydromorphone	1.628	29528	∞	77.7	121.04	98216	9.6592 ng/ml
Ketamine	4.105	119105	1496.33	36.1	394.29	492484	10.5545 ng/ml
Lamotrigine	4.313	8983	844.92	84.6	780.19	492484	9.9545 ng/ml
Lorazepam	5.749	97220	∞	52.1	335.69	100045	9.9224 ng/ml
MDA	3.211	159111	5074.32	17.5	1001.00	240306	10.6711 ng/ml
MDMA	3.304	117314	5667.01	57.4	3060.41	92937	10.3480 ng/ml
Meprobamate	4.930	18981	1998.52	28.2	836.26	96701	10.1074 ng/ml

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.649	98665	1442.44	50.3	491.96	406092	10.0428 ng/ml
Methamphetamine	3.245	74410	186.14	42.6	234.83	399772	10.3325 ng/ml
Metoprolol	4.332	20957	2540.80	92.3	1295.97	1175437	9.9447 ng/ml
Mirtazapine	4.724	141025	1568.37	53.9	∞	657982	9.4074 ng/ml
Mitragynine	5.288	12868	624.17	41.9	10421.99	406092	9.9949 ng/ml
Morphine	1.266	4930	2903.55	42.8	386.16	7401	10.2965 ng/ml
~~Norbuprenorphine~~	~~4.998~~	~~181~~	~~517.66~~	~~89.9~~ **High**	~~344.56~~	~~6833~~	~~0.8287 ng/ml~~ **
Nordiazepam	5.903	49981	873.50	54.7	634.22	151225	10.5210 ng/ml
Norfentanyl	4.092	21370	3010.05	35.8	180.57	976992	1.0512 ng/ml
Norhydrocodone	3.075	2385	78.24	38.5	101.63	30367	10.5829 ng/ml
Noroxycodone	2.918	39674	1212.77	45.3	2558.46	112338	10.4481 ng/ml
O-desmethyl-tramadol	3.383	235486	6995.22	6.9	387.60	1293506	10.0332 ng/ml
~~Oxazepam~~	~~5.759~~	~~87609~~	~~7209.31~~	~~73.7~~	~~519.54~~	~~562811~~	~~10.3358 ng/ml~~ *
Oxycodone	2.863	85142	1065.23	27.7	297.14	344085	10.1806 ng/ml
Oxymorphone	1.417	27276	364.57	43.8	773.82	80867	10.2900 ng/ml
Phentermine	3.797	38556	239.24	2.5	89.99	494419	10.7148 ng/ml
Promethazine	5.542	56235	190.24	28.7	359.71	231794	10.2972 ng/ml
Quetiapine	5.607	65356	∞	55.2	2487.38	82831	10.5768 ng/ml
Sertraline	5.772	9812	234.31	96.6	2078.35	41872	9.9154 ng/ml
Temazepam	5.819	138854	2020.33	33.1	489.22	778546	10.0515 ng/ml
Tramadol	4.252	247929	16034.84	3.6	∞	1175437	10.1892 ng/ml
Trazodone	5.364	76533	2575.99	82.5	4779.63	321411	9.7172 ng/ml
Venlafaxine	5.048	196619	5339.63	35.2	1405.83	1063906	10.6427 ng/ml
Zolpidem	5.122	226139	6338.78	33.5	5427.26	1121578	10.3243 ng/ml

*Did not evaluate

**Outside curve range

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin
Calibration Last Update 12/1/2020 3:06:31 PM

Instrument	Instrument 1	**Data File**	p1 QC 100.d
Type	QC	**Sample**	p1 QC 100
Acq. Method	AM 28 MDQ P1.m	**Operator**	Sophia Jackson
Sample Position	P2-B2	**Comment**	
Injection Volume	2		
Acq. Date-Time	11/25/2020 10:57:16 PM		
Sample Info.			

Sample Chromatogram

+ TIC MRM (** -> **) p1 QC 100.d (p1 QC 100)
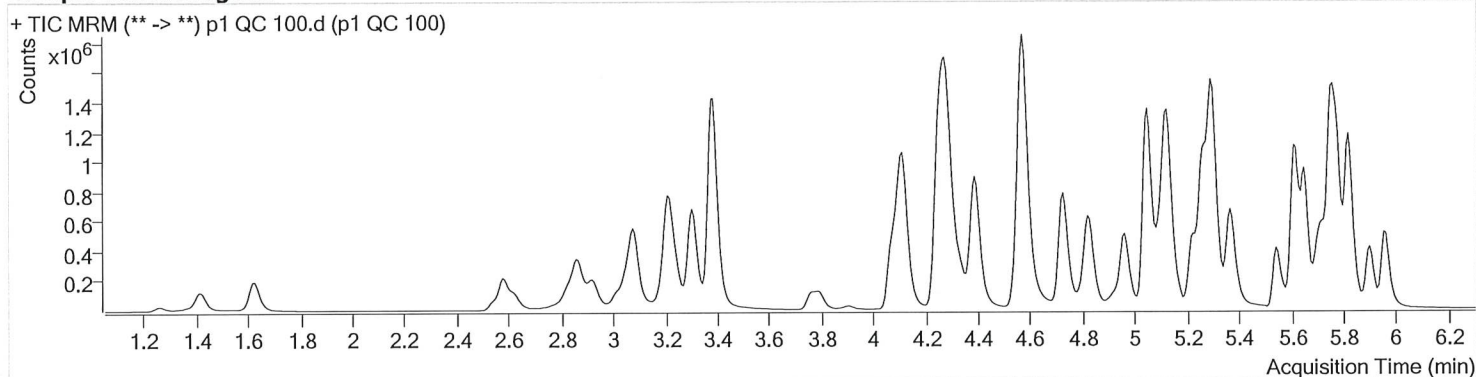
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.153	19801	797.54	70.5	1204.80	31683	10.3174 ng/ml
7-aminoclonazepam	4.298	386805	410.79	75.8	10325.86	126888	102.1661 ng/ml
a-hydroxyalprazolam	5.701	225899	918.12	59.3	1552.98	37989	106.0007 ng/ml
alpha-PHP	4.962	333295	48951.22	272.2	∞	542220	106.4771 ng/ml
alpha-PVP	4.389	1257074	5053.79	49.3	3927.68	542220	107.5217 ng/ml
Alprazolam	5.778	669244	8522.02	107.5	3798.50	154067	103.8286 ng/ml
Amphetamine	3.084	891200	8685.31	50.1	6628.15	67175	109.3088 ng/ml
Benzoylecgonine	3.905	35051	3764.93	7.9	2957.53	13668	98.8124 ng/ml
Buprenorphine	5.958	18384	316.83	14.5	∞	68667	10.8191 ng/ml
Bupropion	4.828	915939	48624.30	63.7	8413.35	248355	105.8558 ng/ml
Carisoprodol	5.727	408011	1662881.94	54.1	2919.98	203687	108.0596 ng/ml
Citalopram	5.224	662315	875.31	42.3	4740.76	306949	101.1586 ng/ml
Clonazepam	5.615	865299	∞	33.0	∞	82979	104.8181 ng/ml
Cocaine	4.277	1276158	83293.05	44.7	19069.59	790497	106.2875 ng/ml
Codeine	2.624	115204	7191.74	100.0	6981.24	45958	99.5734 ng/ml
Cyclobenzaprine	5.619	194778	11893.22	11.9	379.87	68335	104.4230 ng/ml
Dextromethorphan	5.266	307301	18224.64	83.2	506.46	137606	103.2603 ng/ml
Dextrorphan	4.117	271435	1248.83	199.9	1408.09	368222	99.7447 ng/ml
Diazepam	5.963	471547	1047.43	88.2	∞	225182	106.1424 ng/ml
Dihydrocodeine	2.575	304086	1314.31	68.1	2264.37	153167	105.2970 ng/ml
Diphenhydramine	5.301	1323672	924.35	33.5	111199.60	1080867	103.6506 ng/ml
Doxylamine	4.568	2430176	98374.50	98.7	323919.47	957208	108.1027 ng/ml
EDDP	5.259	952160	∞	42.8	9144.98	539742	102.6741 ng/ml
Fentanyl	5.155	31005	2638.27	58.1	51610.80	139681	9.7590 ng/ml
Fluoxetine	5.703	193616	7754.95	8.1	42786.09	77509	105.0234 ng/ml
Hydrocodone	3.047	344278	237.11	39.8	439.29	226420	111.0908 ng/ml
Hydromorphone	1.628	278169	1529.80	76.2	1347.65	88900	103.5227 ng/ml
Ketamine	4.105	1009075	∞	36.6	∞	432952	109.1621 ng/ml
Lamotrigine	4.313	84410	6414.53	85.2	15766.78	432952	109.2074 ng/ml
Lorazepam	5.749	741063	∞	56.0	4980.11	82979	100.4048 ng/ml
MDA	3.211	1355848	9568.44	16.8	3461.45	209374	114.7168 ng/ml
MDMA	3.304	1088142	79564.23	58.4	34063.54	84239	109.5823 ng/ml
Meprobamate	4.930	174146	8346.32	26.7	208.96	89535	102.7882 ng/ml

AM #28 Multi-Drug Quant. Results

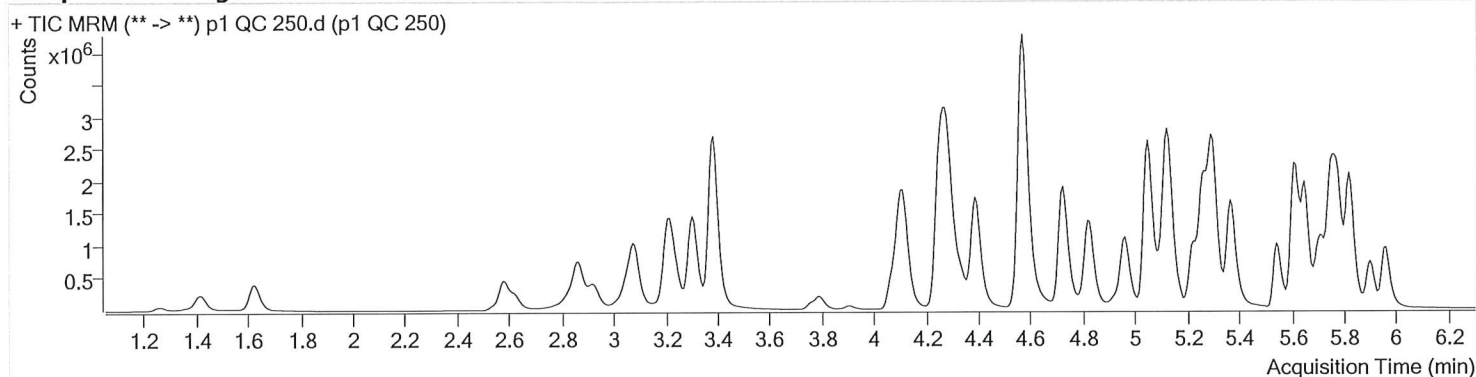| Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.649	941741	9435.34	50.4	853.42	378262	103.8993 ng/ml
Methamphetamine	3.245	278892	499.58	43.5	257.54	163749	112.4953 ng/ml
Metoprolol	4.332	192662	356456.49	94.1	∞	1109995	103.4790 ng/ml
Mirtazapine	4.724	1346367	1072.57	53.4	2956.15	542220	104.7409 ng/ml
Mitragynine	5.288	114494	10987.01	40.4	1543.30	378262	95.5418 ng/ml
Morphine	1.266	44871	523.75	43.1	164.24	6767	106.1373 ng/ml
Norbuprenorphine	4.998	1688	165.77	70.0	50.23	6078	10.4112 ng/ml
Nordiazepam	5.903	444279	6083.47	56.3	1054.38	135278	108.0451 ng/ml
Norfentanyl	4.092	196063	510.47	36.3	265.67	908776	10.8211 ng/ml
Norhydrocodone	3.075	20629	∞	43.5	357.60	24087	104.5962 ng/ml
Noroxycodone	2.918	363424	∞	46.0	997.05	100330	108.1537 ng/ml
O-desmethyl-tramadol	3.383	2334830	61261.81	6.9	∞	1228151	106.0422 ng/ml
~~Oxazepam~~	~~5.759~~	~~717859~~	~~13320.87~~	~~71.3~~	~~10585.97~~	~~460203~~	~~107.2214 ng/ml~~ *
Oxycodone	2.857	820609	2778.02	28.2	2495.84	324196	108.7493 ng/ml
Oxymorphone	1.417	245524	∞	42.9	1037.40	71289	109.3544 ng/ml
Phentermine	3.797	236837	1376.17	2.3	525.45	295133	116.2527 ng/ml
Promethazine	5.542	557845	1825.41	29.7	40510.55	232230	102.5202 ng/ml
Quetiapine	5.600	680773	93433.66	58.1	32520.69	88266	109.4624 ng/ml
Sertraline	5.779	85456	1342.13	93.8	11586.57	35173	101.7166 ng/ml
Temazepam	5.819	1295911	56632.78	32.8	6671.95	709832	104.5368 ng/ml
Tramadol	4.252	2293818	66546.39	3.6	950.93	1109995	106.9853 ng/ml
Trazodone	5.364	859442	∞	81.8	48982.49	347539	97.4074 ng/ml
Venlafaxine	5.048	1875794	45023.34	35.0	824.80	971200	112.0735 ng/ml
Zolpidem	5.122	2214631	67216.00	32.8	∞	1086925	110.2764 ng/ml

*Did not evaluate

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin
Calibration Last Update 12/1/2020 3:06:31 PM

Instrument	Instrument 1	**Data File**	p1 QC 250.d
Type	QC	**Sample**	p1 QC 250
Acq. Method	AM 28 MDQ P1.m	**Operator**	Sophia Jackson
Sample Position	P2-C2	**Comment**	
Injection Volume	2		
Acq. Date-Time	11/25/2020 11:18:28 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	3.153	49631	1750.89	71.4	1985.23	32950	24.8741 ng/ml
7-aminoclonazepam	4.298	822081	∞	76.6	44340.51	107840	255.1759 ng/ml
a-hydroxyalprazolam	5.701	470696	1100.47	60.9	2830.73	32993	255.3370 ng/ml
alpha-PHP	4.962	749463	∞	272.5	15266.96	506641	256.5642 ng/ml
alpha-PVP	4.389	2741418	41182.54	50.3	1303.34	506641	251.7180 ng/ml
Alprazolam	5.778	1426015	∞	105.6	1233.04	131774	258.1065 ng/ml
Amphetamine	3.084	1708729	8636.54	51.5	∞	60605	233.7786 ng/ml
Benzoylecgonine	3.905	88535	∞	8.0	10357.73	13281	257.3910 ng/ml
Buprenorphine	5.958	38596	1423.49	13.8	11217.18	61986	25.2897 ng/ml
Bupropion	4.828	2128832	119456.51	63.9	62725.44	246028	248.8229 ng/ml
Carisoprodol	5.727	818115	1096148.63	54.7	1897.74	172720	255.8713 ng/ml
Citalopram	5.224	1593851	13460.77	41.6	4402.31	300794	248.3391 ng/ml
Clonazepam	5.615	1633246	53645.46	32.9	47425.47	65750	250.1923 ng/ml
Cocaine	4.277	2801892	106791.45	45.5	117787.85	724067	254.9434 ng/ml
Codeine	2.624	255937	3495.59	104.4	5676.49	43148	234.8997 ng/ml
Cyclobenzaprine	5.619	543559	60927.56	12.1	1096.20	77003	258.2650 ng/ml
Dextromethorphan	5.266	674275	62542.82	82.5	51667.07	126274	246.9971 ng/ml
Dextrorphan	4.117	587237	1054.78	200.3	1788.86	324527	244.1003 ng/ml
Diazepam	5.963	1029944	21540.40	87.3	8836.67	205463	254.6326 ng/ml
Dihydrocodeine	2.575	715584	862.75	69.3	19702.27	155715	244.3552 ng/ml
Diphenhydramine	5.301	3048871	3057.26	33.5	25070.72	1031606	249.9676 ng/ml
Doxylamine	4.568	5938998	∞	99.2	293070.51	984352	257.3857 ng/ml
EDDP	5.259	2253979	485.15	43.1	737.88	524257	250.3666 ng/ml
Fentanyl	5.155	82841	266.24	57.2	∞	144535	25.1182 ng/ml
Fluoxetine	5.703	550438	21690.36	8.2	293.90	90581	255.5740 ng/ml
Hydrocodone	3.047	778354	∞	41.7	∞	230336	248.2211 ng/ml
Hydromorphone	1.628	627659	∞	78.3	∞	85413	243.5514 ng/ml
Ketamine	4.105	2129108	∞	37.1	8167.24	407714	245.6554 ng/ml
Lamotrigine	4.313	181062	17797.01	83.9	28906.61	407714	249.1243 ng/ml
~~Lorazepam~~	~~5.749~~	~~1151404~~	~~∞~~	~~55.7~~	~~6009.72~~	~~65750~~	~~197.9590 ng/ml~~ **
MDA	3.211	2815798	144876.67	16.1	5902.68	193565	259.1687 ng/ml
MDMA	3.304	2482288	233781.63	57.7	24031.57	80692	261.5211 ng/ml
Meprobamate	4.930	349913	1457.12	25.9	145.19	81932	226.0521 ng/ml

p1 QC 250

Generated at 3:07 PM on 12/1/2020

**Outside curve range

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.649	2262215	3410.59	50.8	27139.79	375766	251.3927 ng/ml
Methamphetamine	3.245	490530	2321.55	44.0	1622.32	130048	251.8110 ng/ml
Metoprolol	4.332	418819	339756.25	95.8	7912.55	1044537	240.0451 ng/ml
Mirtazapine	4.724	3298866	663777.99	53.5	205715.54	506641	274.0076 ng/ml
~~Mitragynine~~	~~5.288~~	~~253409~~	∞	~~39.4~~	~~761.47~~	~~375766~~	~~212.8758 ng/ml~~ **
Morphine	1.266	101036	2646.41	43.0	882.44	6527	248.3087 ng/ml
Norbuprenorphine	4.998	3814	529.19	76.9	266.48	5842	24.7242 ng/ml
Nordiazepam	5.903	942967	10184.87	54.9	1510.95	121731	255.3752 ng/ml
Norfentanyl	4.085	450950	33296.47	36.9	203.09	949312	23.8875 ng/ml
Norhydrocodone	3.075	45838	∞	43.4	229.58	20461	271.8545 ng/ml
Noroxycodone	2.925	776427	321.93	46.6	971.56	91210	254.3114 ng/ml
O-desmethyl-tramadol	3.383	5555046	193707.59	6.9	1771.51	1210050	256.2607 ng/ml
~~Oxazepam~~	~~5.759~~	~~1263829~~	∞	~~70.8~~	∞	~~347142~~	~~250.7885 ng/ml~~ *
Oxycodone	2.863	1982463	4856.98	28.2	1870.59	335483	254.5483 ng/ml
Oxymorphone	1.417	541916	640.40	45.3	922.23	68824	250.6062 ng/ml
Phentermine	3.797	467225	∞	2.2	544.81	253003	268.3685 ng/ml
Promethazine	5.542	1624253	85122.68	29.2	1921.98	274031	253.0627 ng/ml
Quetiapine	5.600	1678999	∞	58.0	57822.54	96719	247.2379 ng/ml
Sertraline	5.772	206505	1108.82	95.6	∞	34663	249.2434 ng/ml
Temazepam	5.819	2863909	45908.65	32.3	15750.81	650916	252.1835 ng/ml
Tramadol	4.252	5110473	107557.83	3.8	∞	1044537	254.4061 ng/ml
Trazodone	5.364	2271897	∞	81.9	∞	365174	244.4902 ng/ml
Venlafaxine	5.048	4424639	231969.94	34.2	14444.01	945268	271.7399 ng/ml
Zolpidem	5.122	5165601	262935.81	32.5	97281.53	1106217	253.5760 ng/ml

*Did not evaluate

**Outside curve range

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin
Calibration Last Update 12/1/2020 3:06:31 PM

Instrument	Instrument 1	**Data File**	p1 QC 1000.d
Type	QC	**Sample**	p1 QC 1000
Acq. Method	AM 28 MDQ P1.m	**Operator**	Sophia Jackson
Sample Position	P2-D2	**Comment**	
Injection Volume	2		
Acq. Date-Time	11/25/2020 11:39:39 PM		
Sample Info.			

Sample Chromatogram

+ TIC MRM (** -> **) p1 QC 1000.d (p1 QC 1000)
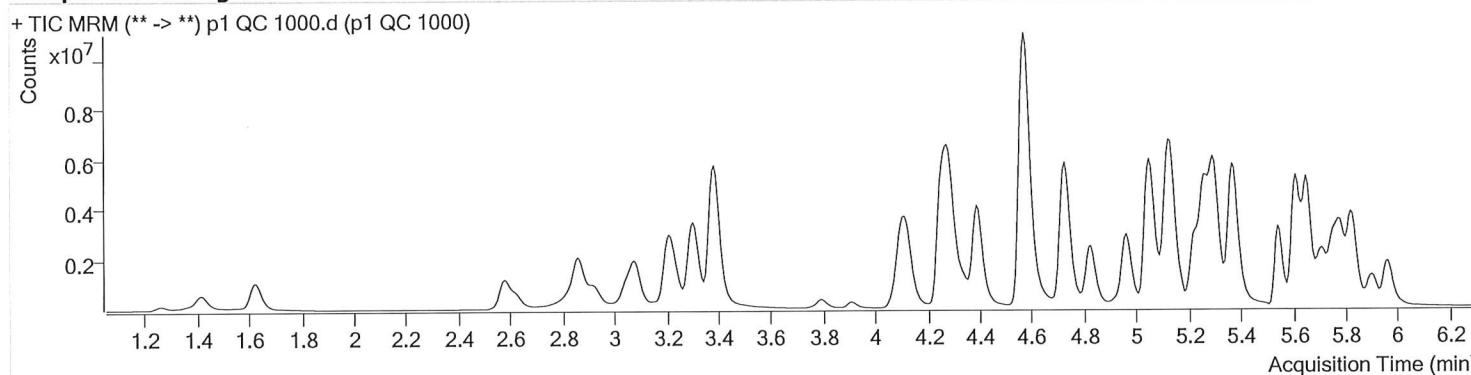
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.153	184577	2507.11	71.7	16002.56	30384	100.3378 ng/ml
7-aminoclonazepam	4.298	1426057	∞	75.8	∞	45710	1043.6738 ng/ml
a-hydroxyalprazolam	5.701	988595	∞	61.4	4305.31	20572	861.8108 ng/ml
alpha-PHP	4.962	2119359	13200.32	268.4	301772.53	329619	1115.9255 ng/ml
alpha-PVP	4.389	7128161	450623.37	50.2	61137.06	329619	1007.7421 ng/ml
Alprazolam	5.778	3195332	∞	105.9	∞	74826	1017.4161 ng/ml
Amphetamine	3.084	3129721	20892.83	51.0	1631.60	35492	733.9423 ng/ml **
Benzoylecgonine	3.905	414890	67569.67	7.9	4795.21	13652	1174.6168 ng/ml
Buprenorphine	5.958	101825	4702.79	13.7	16746.28	46298	89.5718 ng/ml
Bupropion	4.828	3804078	90156.15	63.0	31477.79	111651	980.7810 ng/ml
Carisoprodol	5.727	1594790	460800.71	54.6	11360.25	87878	981.0551 ng/ml
Citalopram	5.224	5063734	51148.39	41.4	8563.49	236156	1004.7744 ng/ml
Clonazepam	5.622	2123729	29630.38	33.4	36695.27	23529	910.0744 ng/ml
Cocaine	4.277	7337789	479298.06	44.9	805150.98	465817	1038.1964 ng/ml
Codeine	2.624	713665	∞	101.2	12124.68	25790	1093.9176 ng/ml
Cyclobenzaprine	5.619	1606626	24960.60	12.3	5101.41	54737	1073.1710 ng/ml
Dextromethorphan	5.266	1625230	55191.36	81.7	25511.49	69531	1081.4191 ng/ml
Dextrorphan	4.124	1536298	3190.87	202.3	221881.84	202076	1023.9261 ng/ml
Diazepam	5.963	2462049	∞	87.7	3728.62	128873	971.5461 ng/ml
Dihydrocodeine	2.575	2035108	60759.10	70.4	36798.33	146401	740.1164 ng/ml **
Diphenhydramine	5.301	8507418	444423.95	34.3	25353.00	706801	1017.6454 ng/ml
Doxylamine	4.568	17753047	1007611.82	97.1	683300.60	844907	897.2386 ng/ml
EDDP	5.259	7084807	89906.73	42.7	53290.72	412403	1000.6873 ng/ml
Fentanyl	5.162	318033	∞	58.5	179751.36	116581	119.3613 ng/ml
Fluoxetine	5.703	1411548	37024.62	8.3	9174.60	58032	1023.1796 ng/ml
Hydrocodone	3.047	2166560	629.09	44.3	∞	207765	768.2628 ng/ml **
Hydromorphone	1.628	1975363	∞	76.4	∞	70102	934.8158 ng/ml
Ketamine	4.105	5053110	∞	37.1	1395.68	305816	779.1556 ng/ml **
Lamotrigine	4.313	368937	31235.51	84.3	∞	305816	677.2600 ng/ml **
Lorazepam	5.749	1403412	∞	52.3	8535.58	23529	676.9655 ng/ml **
MDA	3.211	6609176	232218.47	15.9	26772.44	136696	864.1299 ng/ml
MDMA	3.304	6569021	559754.24	58.0	286495.22	60063	930.7973 ng/ml
Meprobamate	4.930	696504	56833.73	26.2	7979.50	61740	597.5988 ng/ml **

p1 QC 1000

**Outside curve range

Generated at 3:07 PM on 12/1/2020

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.649	7447464	85519.68	49.9	∞	304953	1020.1204 ng/ml
Methamphetamine	3.245	676350	1286.91	44.6	1008.71	49837	911.7311 ng/ml
~~Metoprolol~~	~~4.339~~	~~967637~~	~~93392.31~~	~~95.3~~	~~3432.88~~	~~789961~~	~~734.8949 ng/ml~~ **
Mirtazapine	4.724	10848873	416959.86	54.5	354202.71	329619	1383.4392 ng/ml
~~Mitragynine~~	~~5.288~~	~~605473~~	∞	~~39.9~~	∞	~~304953~~	~~626.7489 ng/ml~~ **
Morphine	1.266	308614	7986.55	43.7	4137.55	5247	944.7441 ng/ml
Norbuprenorphine	4.998	12962	8592.36	74.0	207.50	4802	102.7985 ng/ml
Nordiazepam	5.903	2020268	∞	55.1	716.81	70227	949.4584 ng/ml
~~Norfentanyl~~	~~4.085~~	~~1238800~~	~~201140.10~~	~~37.0~~	~~5752.42~~	~~895847~~	~~69.6351 ng/ml~~ **
~~Norhydrocodone~~	~~3.075~~	~~175613~~	∞	~~43.1~~	~~1392.60~~	~~14554~~	~~1459.3962 ng/ml~~ **
Noroxycodone	2.918	1828195	∞	45.3	∞	57366	952.3785 ng/ml
O-desmethyl-tramadol	3.383	15347898	1069751.56	7.2	52800.61	871477	983.4649 ng/ml
~~Oxazepam~~	~~5.753~~	~~1347929~~	∞	~~80.1~~	~~711.19~~	~~121560~~	~~764.6701 ng/ml~~ *
Oxycodone	2.857	6431800	11179.26	28.2	6318.01	303437	914.3543 ng/ml
Oxymorphone	1.417	1655195	541.52	43.9	502.77	55742	946.3596 ng/ml
Phentermine	3.797	909159	∞	2.2	938.44	137220	964.5090 ng/ml
Promethazine	5.542	5759272	2401.07	29.8	1327.71	239280	1027.8235 ng/ml
~~Quetiapine~~	~~5.600~~	~~5521207~~	~~668292.55~~	~~58.8~~	~~95011.33~~	~~105217~~	~~748.7533 ng/ml~~ **
Sertraline	5.772	425613	19752.18	94.5	74187.56	18091	983.9458 ng/ml
Temazepam	5.826	6637984	65460.89	31.9	37860.47	391893	971.3555 ng/ml
Tramadol	4.252	12433189	∞	3.8	17578.42	789961	820.2062 ng/ml
Trazodone	5.364	8550045	542084.44	82.1	∞	323503	1037.4190 ng/ml
Venlafaxine	5.048	12443225	546533.96	34.7	8462.67	687324	1051.2556 ng/ml
Zolpidem	5.122	14687809	664525.91	33.2	∞	955679	836.0843 ng/ml

*Did not evaluate

**Outside curve range

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin

Last Cal. Update   12/1/2020 3:06 PM

Analyst Name   ISP\datastor

Analyte   MDA   **Internal Standard**   MDA-D5

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

$y = 0.055875 * x + 0.065866$

$R^2 = 0.98756619$

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

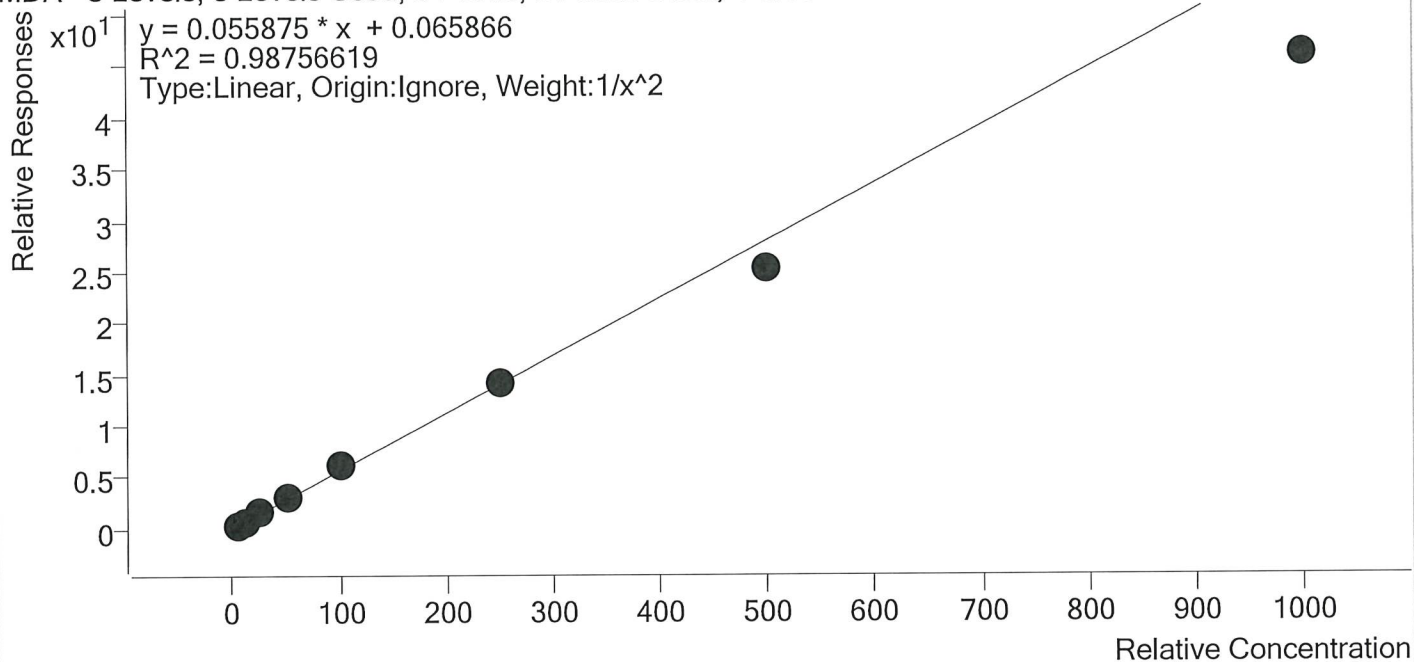| Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.1
p1 Cal 2- 10ng	2	✓	10.0	10.4	104.2
p1 Cal 3 -25ng	3	✓	25.0	26.9	107.7
p1 Cal 4-50ng	4	✓	50.0	55.2	110.4
p1 Cal 5-100ng	5	✓	100.0	107.6	107.6
p1 Cal 6-250ng	6	✓	250.0	254.4	101.8
p1 Cal 7-500ng	7	✓	500.0	453.8	90.8
p1 Cal 8-1000ng	8	✓	1000.0	824.5	82.4

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin

Last Cal. Update 12/1/2020 3:06 PM

Analyst Name ISP\datastor

Analyte MDMA **Internal Standard** MDMA-D6

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

$y = 0.117449 * x + 0.046936$
$R^2 = 0.99835439$
Type:Linear, Origin:Ignore, Weight:1/x^2

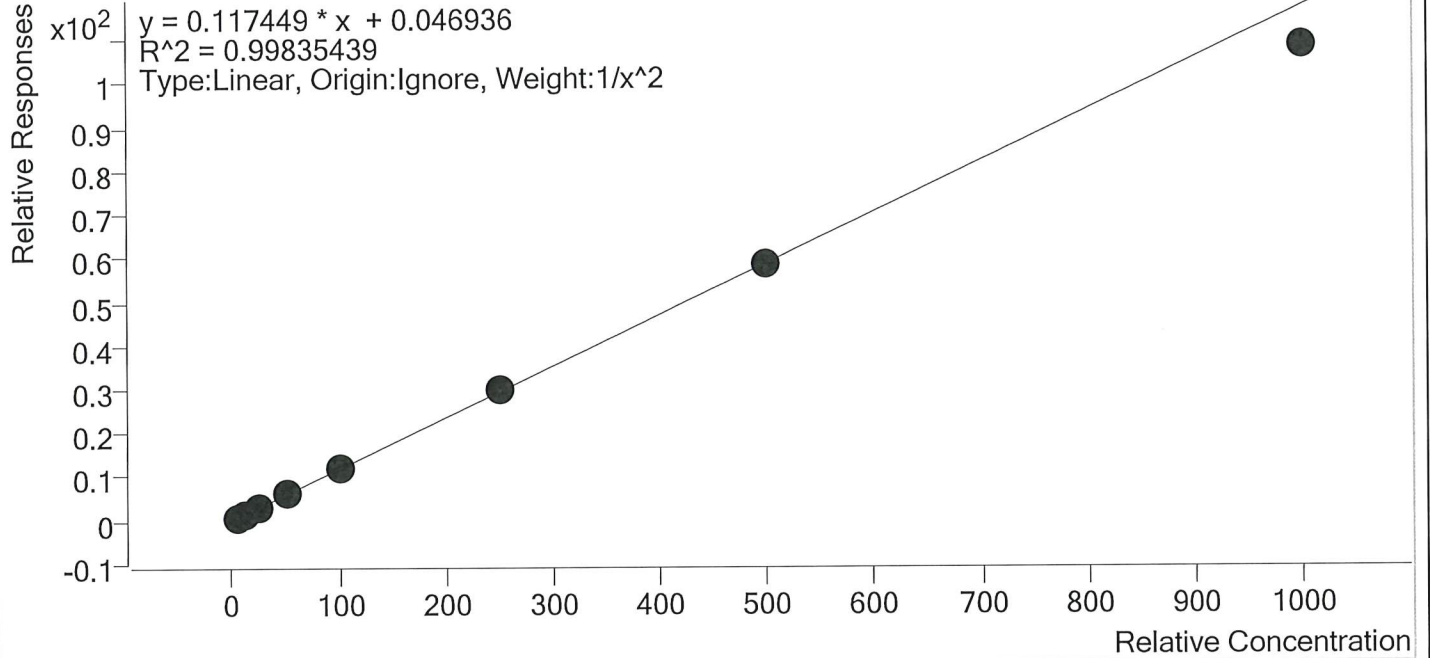| Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.1
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.1
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.5
p1 Cal 4-50ng	4	✓	50.0	51.2	102.4
p1 Cal 5-100ng	5	✓	100.0	101.2	101.2
p1 Cal 6-250ng	6	✓	250.0	255.6	102.2
p1 Cal 7-500ng	7	✓	500.0	495.8	99.2
p1 Cal 8-1000ng	8	✓	1000.0	922.7	92.3

Generated at 3:07 PM on 12/1/2020

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin

Last Cal. Update   12/1/2020 3:06 PM

Analyst Name   ISP\datastor

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

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

$y = 0.005761 * x + 0.001313$

$R^2 = 0.99949059$

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	99.5
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.1
p1 Cal 4-50ng	4	✓	50.0	51.6	103.2
p1 Cal 5-100ng	5	✓	100.0	101.6	101.6
p1 Cal 6-250ng	6	✓	250.0	242.0	96.8
p1 Cal 7-500ng	7	✓	500.0	494.4	98.9
p1 Cal 8-1000ng	8	✓	1000.0	990.0	99.0

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin

Last Cal. Update   12/1/2020 3:06 PM

Analyst Name   ISP\datastor

Analyte   6-MAM   **Internal Standard**   6-MAM-D6

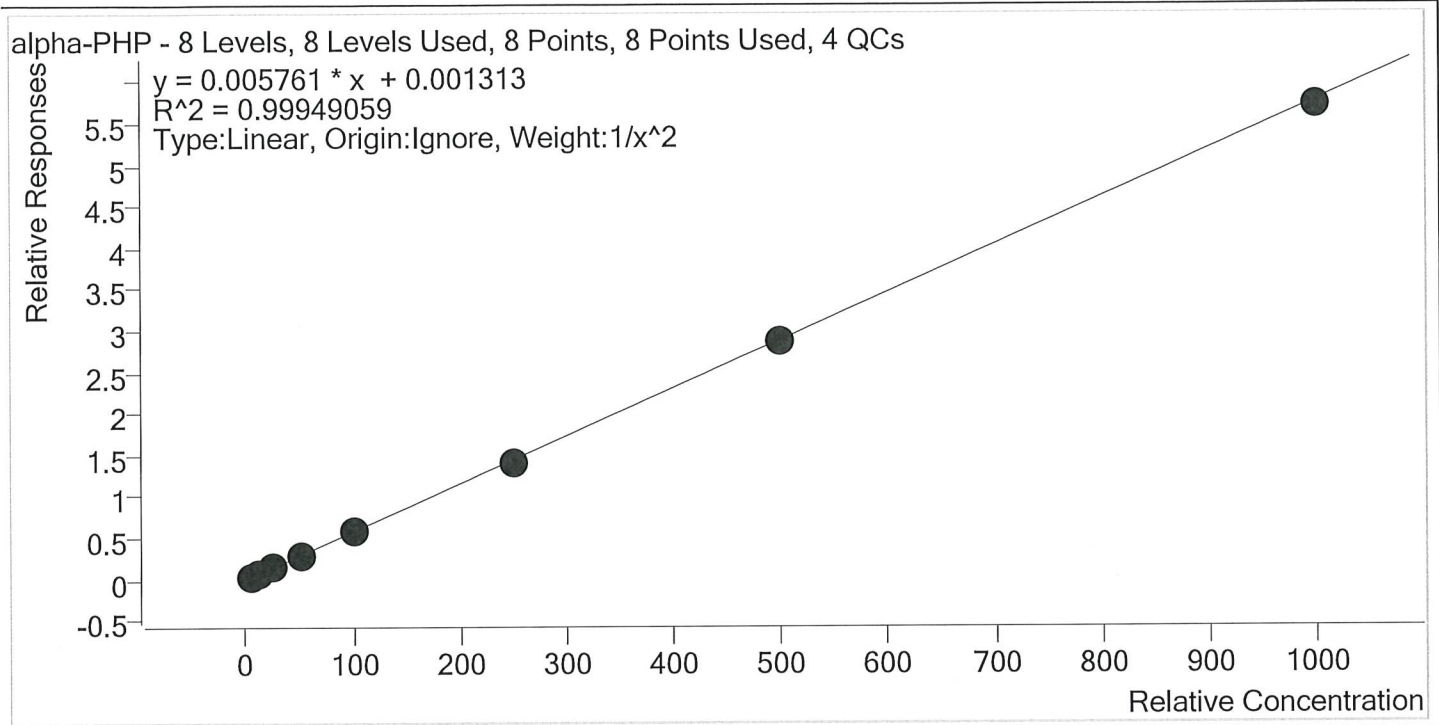6-MAM - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.060541 * x + 3.404894E\text{-}004$

$R^2 = 0.99958098$

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

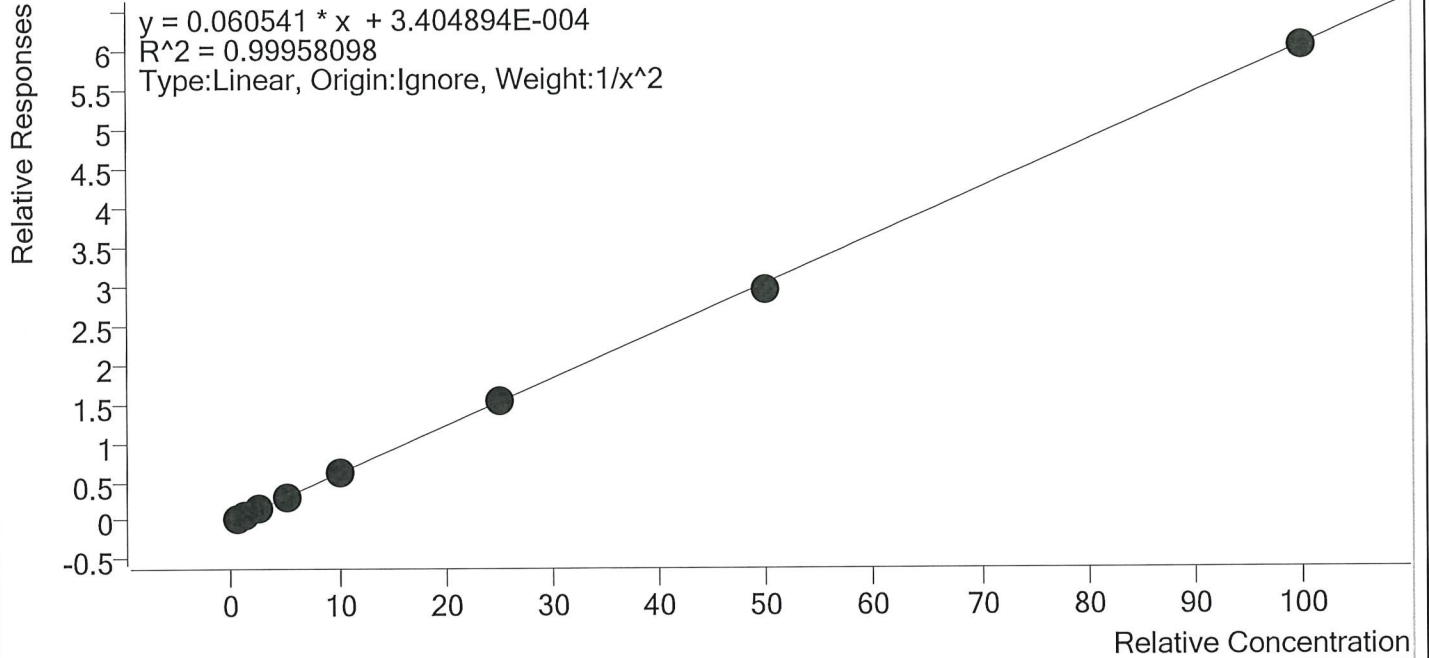| Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	99.3
p1 Cal 2- 10ng	2	✓	1.0	1.0	100.3
p1 Cal 3 -25ng	3	✓	2.5	2.5	102.0
p1 Cal 4-50ng	4	✓	5.0	5.1	102.2
p1 Cal 5-100ng	5	✓	10.0	9.8	98.4
p1 Cal 6-250ng	6	✓	25.0	25.3	101.0
p1 Cal 7-500ng	7	✓	50.0	48.5	97.0
p1 Cal 8-1000ng	8	✓	100.0	99.7	99.7

Generated at 3:07 PM on 12/1/2020

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin

Last Cal. Update   12/1/2020 3:06 PM

Analyst Name   ISP\datastor

Analyte   7-aminoclonazepam   **Internal Standard**   7-Aminoclonazepam-D4

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

$y = 0.029898 * x - 0.006217$

$R^2 = 0.99864411$

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

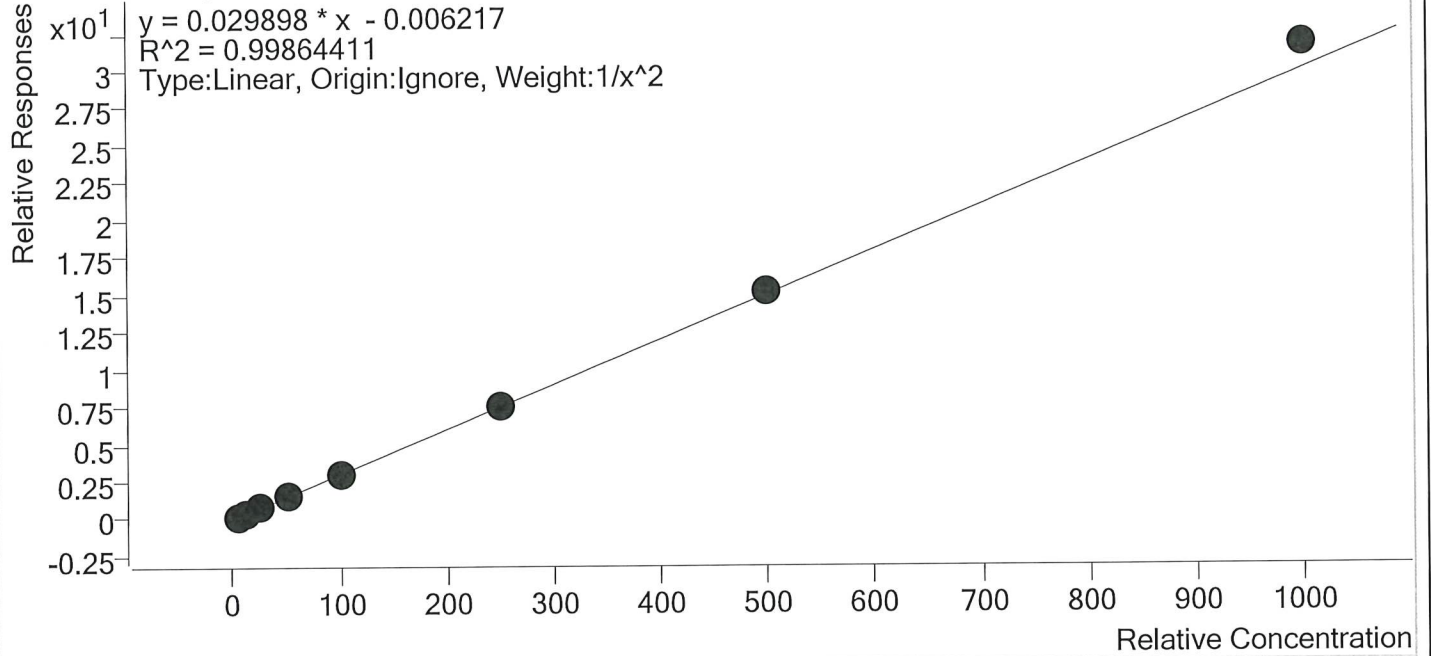| Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.2
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.0
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.3
p1 Cal 4-50ng	4	✓	50.0	49.0	98.0
p1 Cal 5-100ng	5	✓	100.0	97.3	97.3
p1 Cal 6-250ng	6	✓	250.0	253.1	101.2
p1 Cal 7-500ng	7	✓	500.0	506.0	101.2
p1 Cal 8-1000ng	8	✓	1000.0	1058.0	105.8

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin

Last Cal. Update   12/1/2020 3:06 PM

Analyst Name   ISP\datastor

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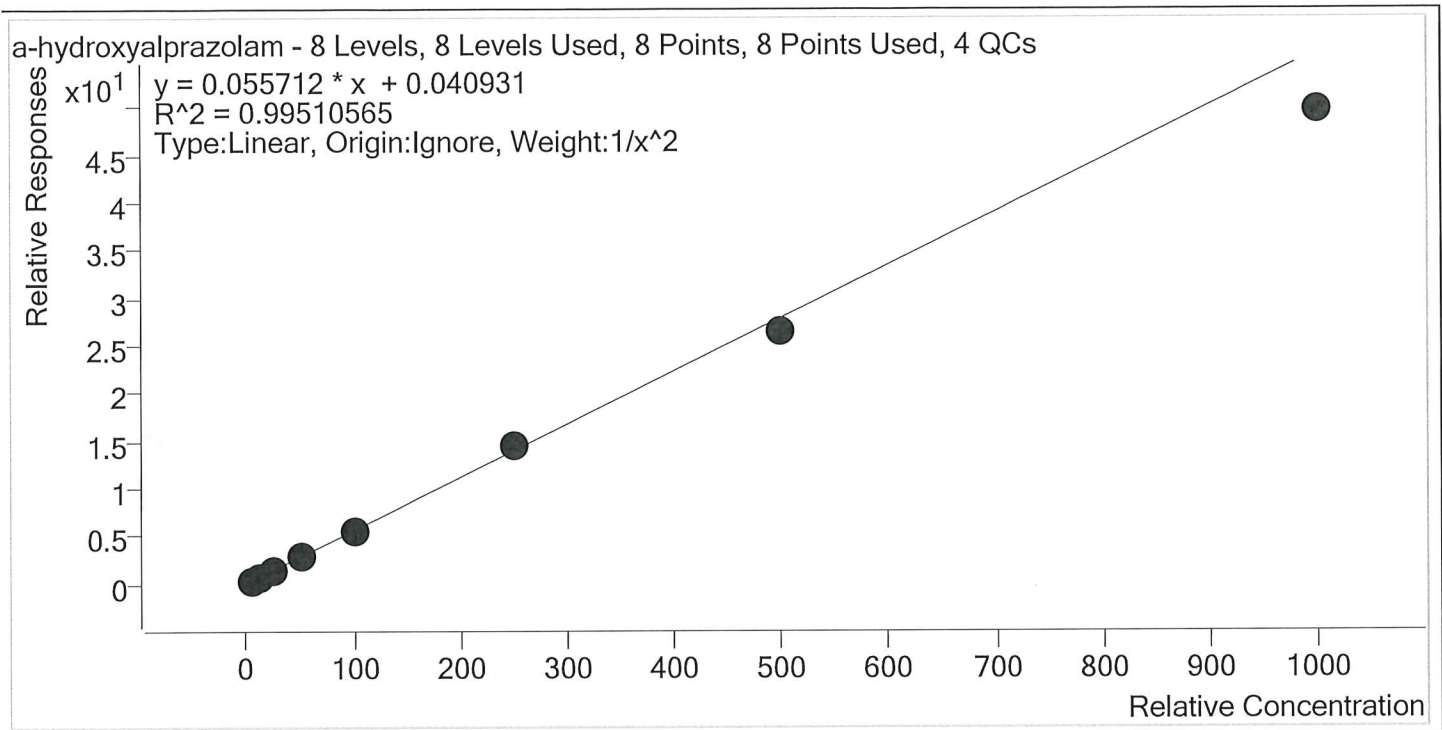
a-hydroxyalprazolam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.055712 * x + 0.040931$
$R^2 = 0.99510565$
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	10.6	105.7
p1 Cal 3 -25ng	3	✓	25.0	25.7	102.8
p1 Cal 4-50ng	4	✓	50.0	53.4	106.8
p1 Cal 5-100ng	5	✓	100.0	99.9	99.9
p1 Cal 6-250ng	6	✓	250.0	260.4	104.2
p1 Cal 7-500ng	7	✓	500.0	477.9	95.6
p1 Cal 8-1000ng	8	✓	1000.0	890.9	89.1

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin

Last Cal. Update 12/1/2020 3:06 PM

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

$y = 0.021447 * x + 0.012363$

$R^2 = 0.99986043$

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

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.2
p1 Cal 2- 10ng	2	✓	10.0	9.8	98.2
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.2
p1 Cal 4-50ng	4	✓	50.0	52.1	104.1
p1 Cal 5-100ng	5	✓	100.0	101.3	101.3
p1 Cal 6-250ng	6	✓	250.0	253.2	101.3
p1 Cal 7-500ng	7	✓	500.0	502.8	100.6
p1 Cal 8-1000ng	8	✓	1000.0	991.2	99.1

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin
Last Cal. Update   12/1/2020 3:06 PM
Analyst Name   ISP\datastor
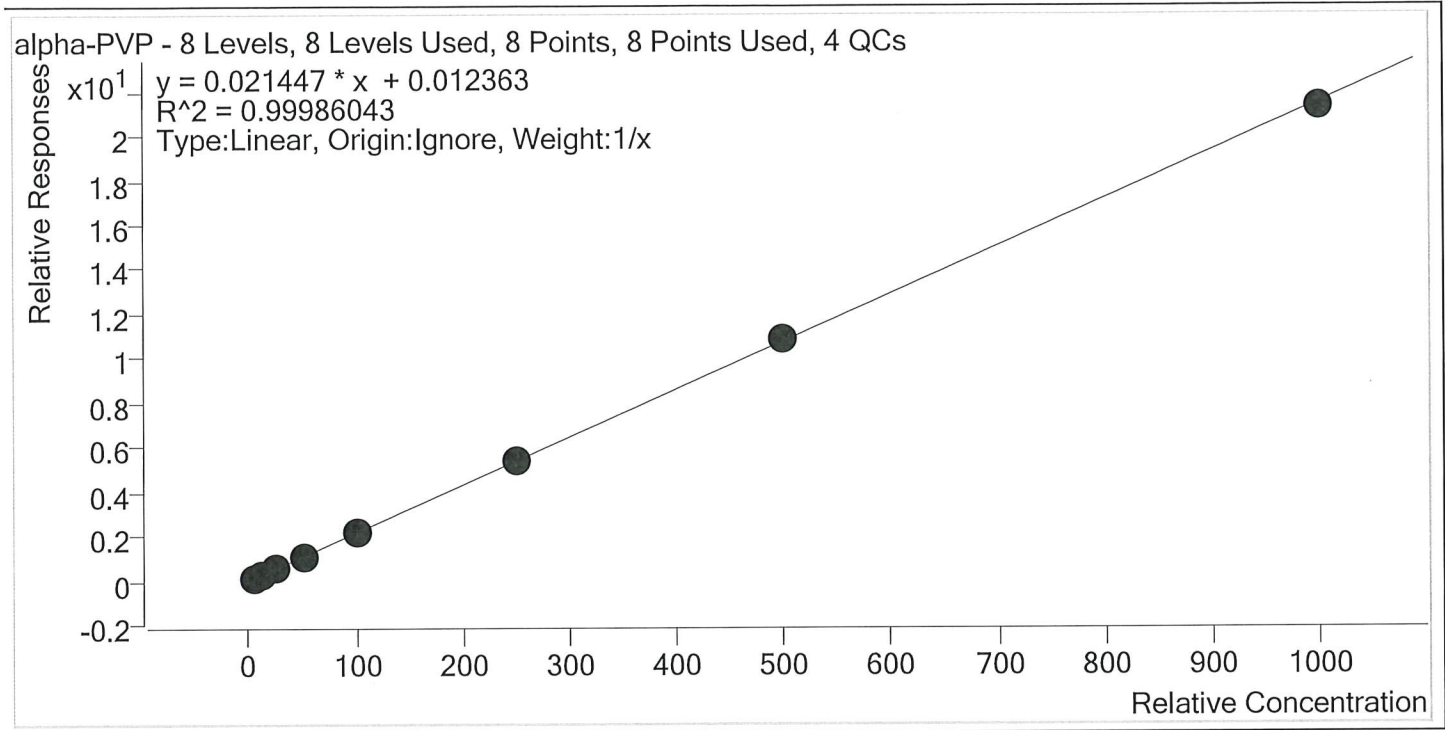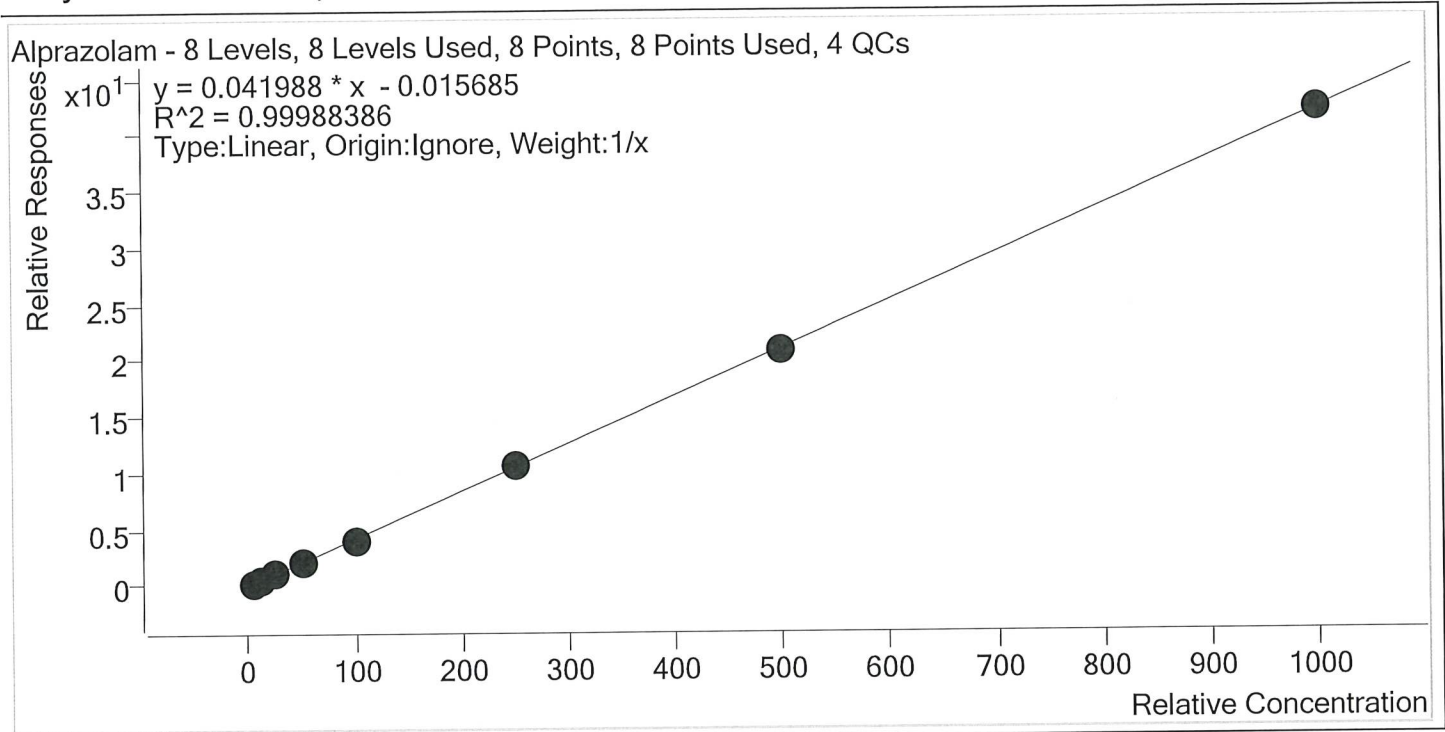**Analyte**   Alprazolam   **Internal Standard**   Alprazolam-D5

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

$y = 0.041988 * x - 0.015685$
$R^2 = 0.99988386$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.6
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.3
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.7
p1 Cal 4-50ng	4	✓	50.0	49.7	99.3
p1 Cal 5-100ng	5	✓	100.0	97.4	97.4
p1 Cal 6-250ng	6	✓	250.0	255.2	102.1
p1 Cal 7-500ng	7	✓	500.0	498.1	99.6
p1 Cal 8-1000ng	8	✓	1000.0	1000.0	100.0

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin
Last Cal. Update   12/1/2020 3:06 PM
Analyst Name   ISP\datastor
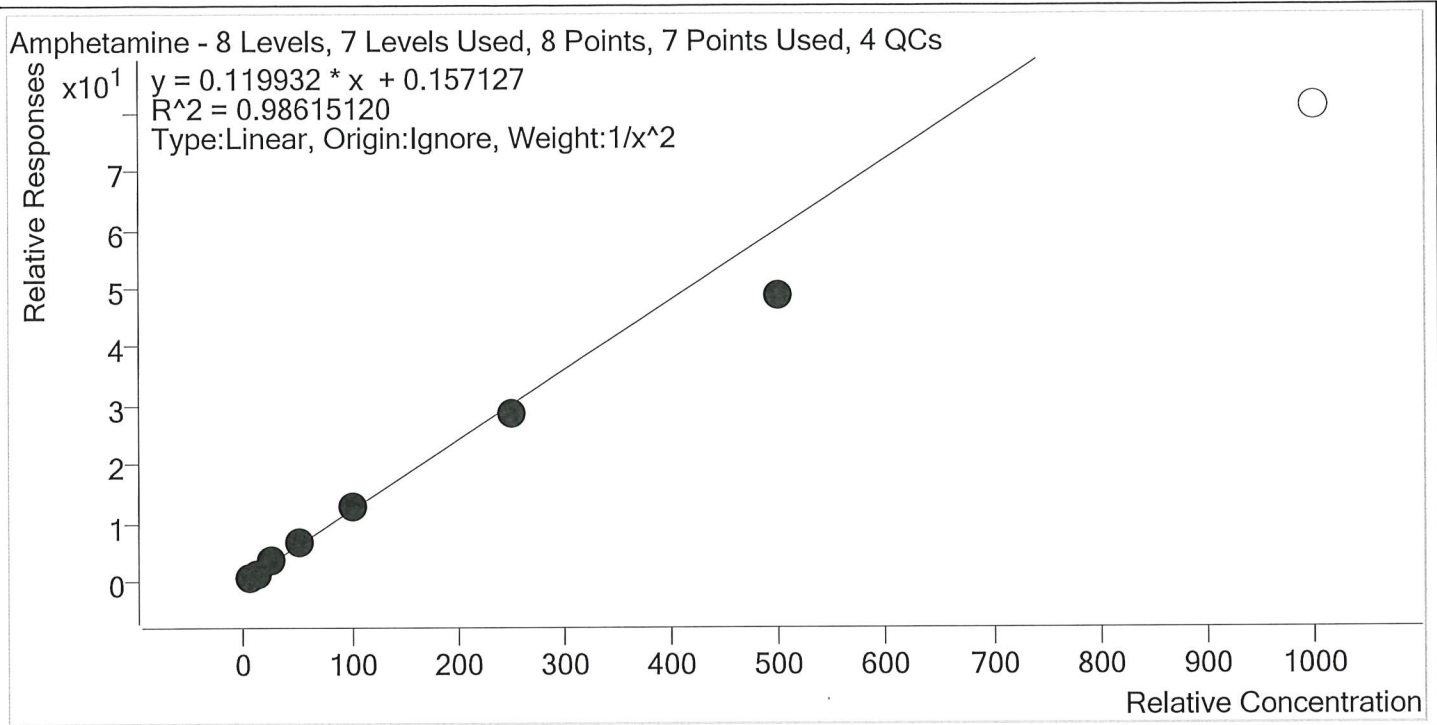**Analyte**   Amphetamine   **Internal Standard**   Amphetamine-D11

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

$y = 0.119932 * x + 0.157127$
$R^2 = 0.98615120$
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	10.3	102.7
p1 Cal 3 -25ng	3	✓	25.0	27.3	109.1
p1 Cal 4-50ng	4	✓	50.0	54.6	109.2
p1 Cal 5-100ng	5	✓	100.0	106.3	106.3
p1 Cal 6-250ng	6	✓	250.0	238.9	95.6
p1 Cal 7-500ng	7	✓	500.0	406.3	81.3
p1 Cal 8-1000ng	8	✗	1000.0	674.3	67.4

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin

Last Cal. Update 12/1/2020 3:06 PM

Analyst Name ISP\datastor

Analyte Benzoylecgonine **Internal Standard** Benzoylecgonine-d8
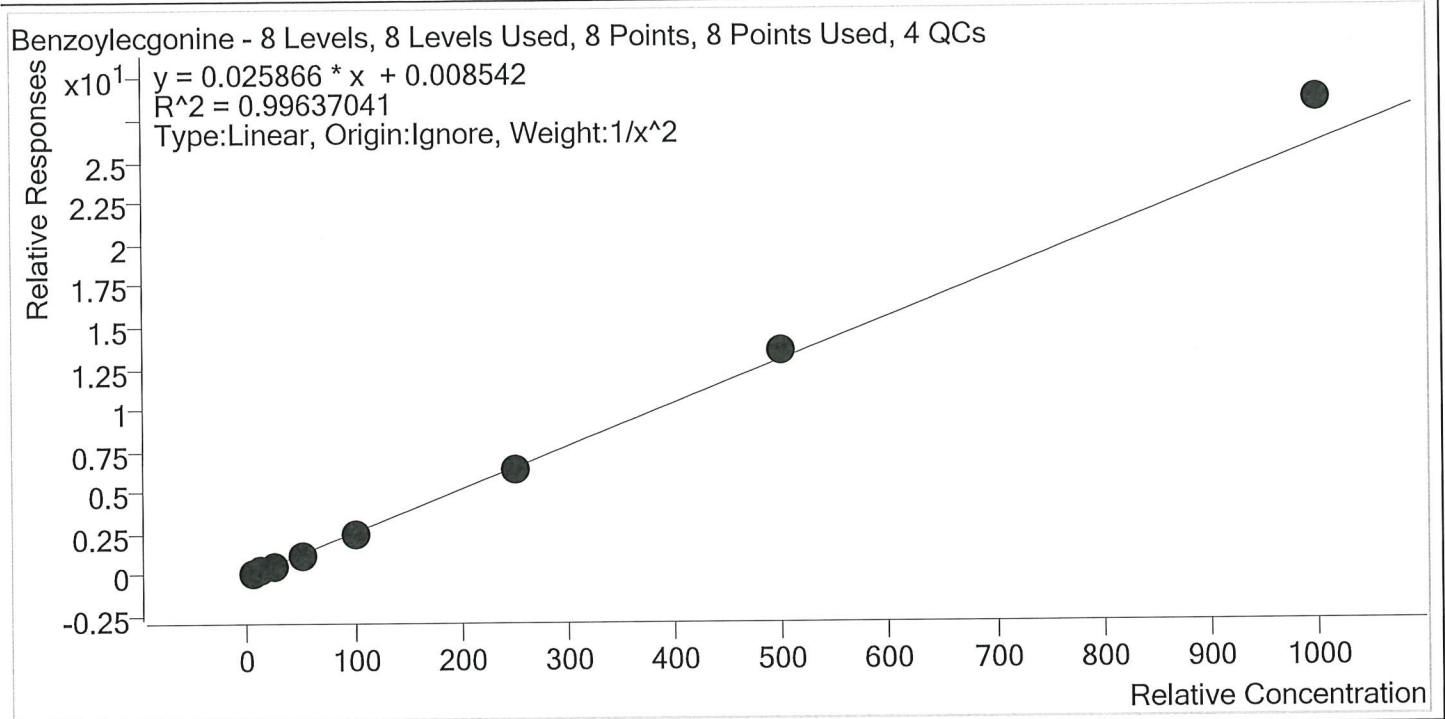

Benzoylecgonine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.025866 * x + 0.008542$
$R^2 = 0.99637041$
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	102.8
p1 Cal 2- 10ng	2	✓	10.0	9.7	97.2
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.2
p1 Cal 4-50ng	4	✓	50.0	48.3	96.7
p1 Cal 5-100ng	5	✓	100.0	96.8	96.8
p1 Cal 6-250ng	6	✓	250.0	242.3	96.9
p1 Cal 7-500ng	7	✓	500.0	520.5	104.1
p1 Cal 8-1000ng	8	✓	1000.0	1102.8	110.3

Generated at 3:07 PM on 12/1/2020

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin

Last Cal. Update   12/1/2020 3:06 PM

Analyst Name   ISP\datastor

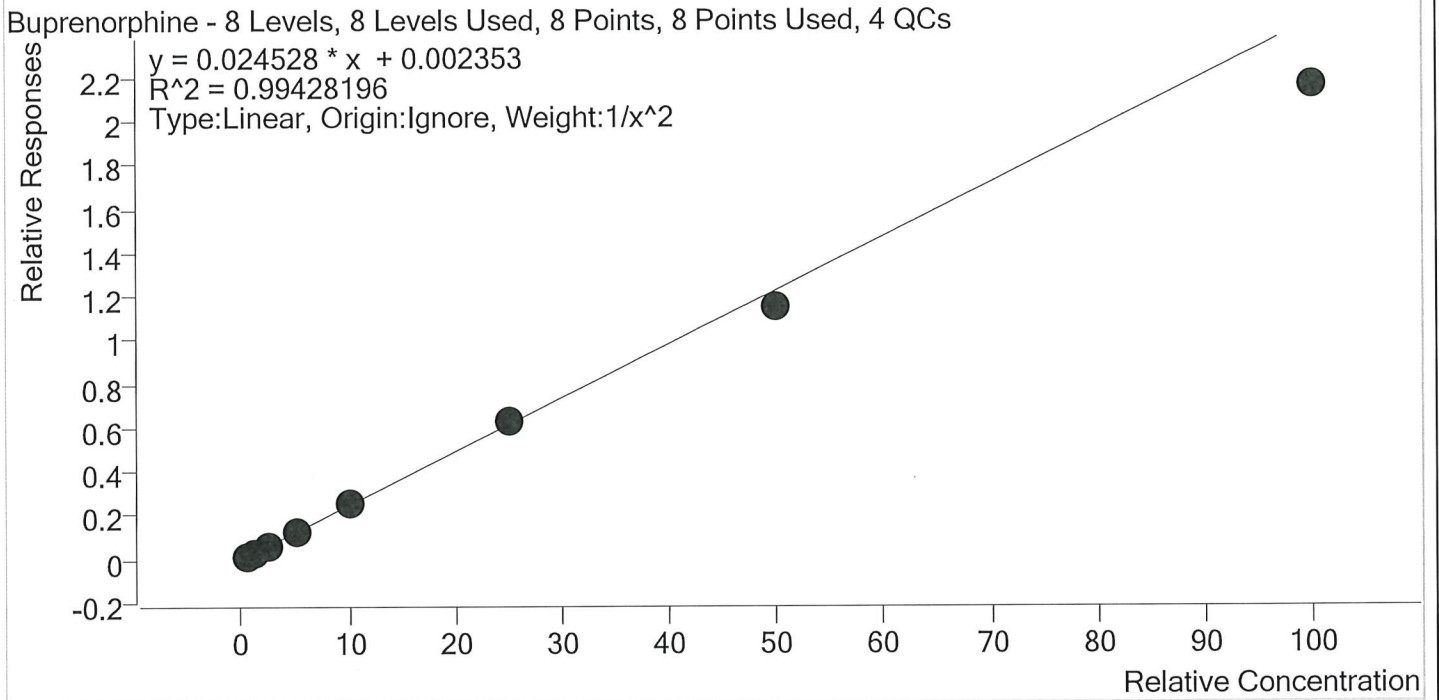**Analyte**   Buprenorphine   **Internal Standard**   Buprenorphine-D4

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

$y = 0.024528 * x + 0.002353$

$R^2 = 0.99428196$

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	97.6
p1 Cal 2- 10ng	2	✓	1.0	1.0	100.2
p1 Cal 3 -25ng	3	✓	2.5	2.7	107.5
p1 Cal 4-50ng	4	✓	5.0	5.3	106.9
p1 Cal 5-100ng	5	✓	10.0	10.3	103.2
p1 Cal 6-250ng	6	✓	25.0	25.6	102.4
p1 Cal 7-500ng	7	✓	50.0	47.1	94.1
p1 Cal 8-1000ng	8	✓	100.0	88.1	88.1

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin

Last Cal. Update 12/1/2020 3:06 PM

Analyst Name ISP\datastor

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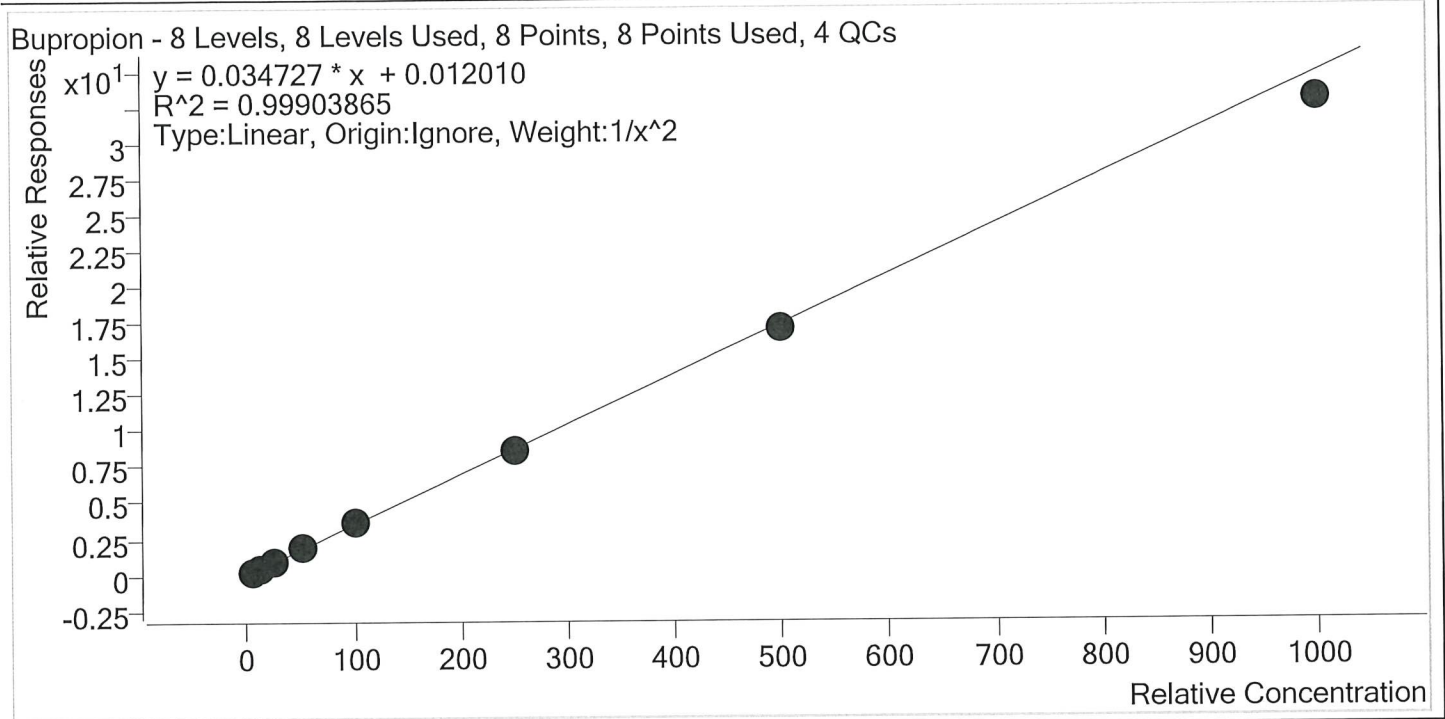
Bupropion - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.034727 * x + 0.012010$

$R^2 = 0.99903865$

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	101.2
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.0
p1 Cal 4-50ng	4	✓	50.0	52.0	104.0
p1 Cal 5-100ng	5	✓	100.0	101.4	101.4
p1 Cal 6-250ng	6	✓	250.0	249.9	100.0
p1 Cal 7-500ng	7	✓	500.0	494.1	98.8
p1 Cal 8-1000ng	8	✓	1000.0	948.0	94.8

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin

Last Cal. Update   12/1/2020 3:06 PM

Analyst Name   ISP\datastor

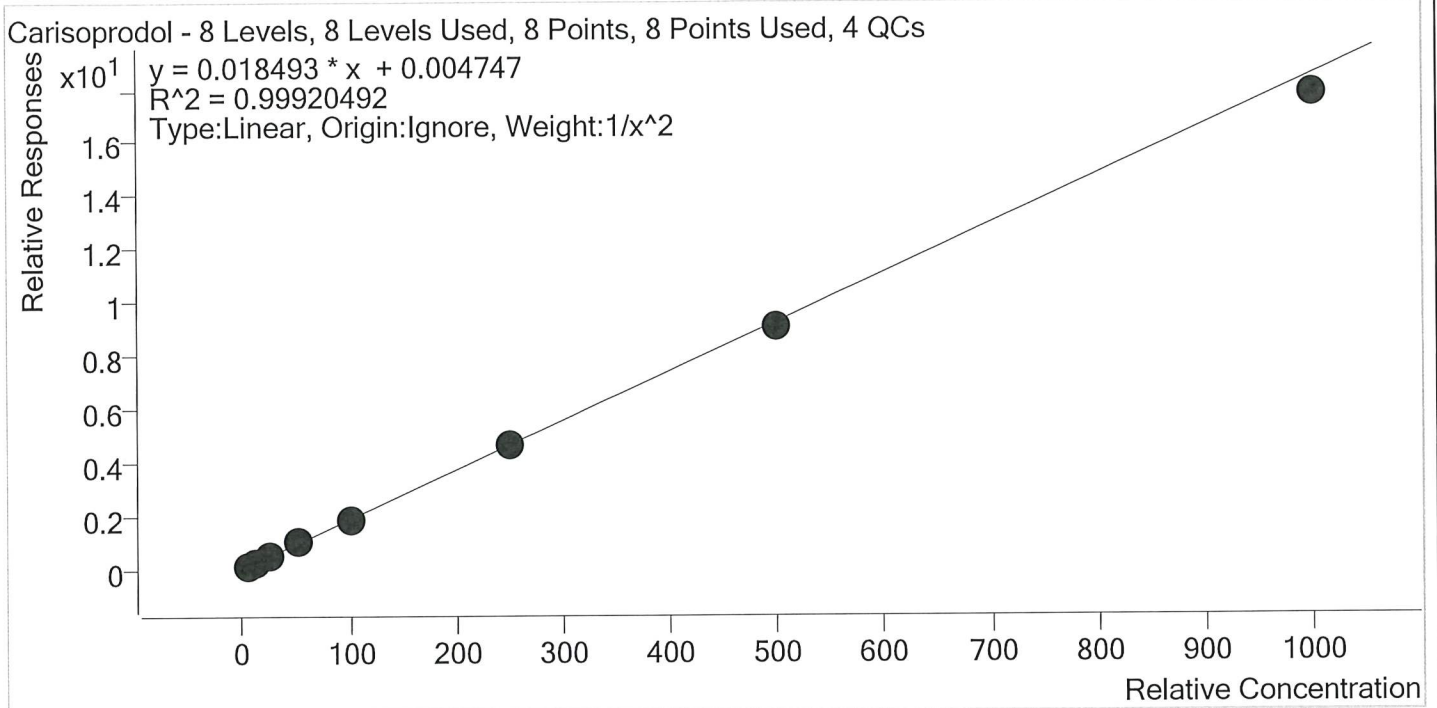**Analyte**   Carisoprodol   **Internal Standard**   Carisoprodol-D7

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

$y = 0.018493 * x + 0.004747$

$R^2 = 0.99920492$

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	99.5
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.4
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.8
p1 Cal 4-50ng	4	✓	50.0	51.9	103.8
p1 Cal 5-100ng	5	✓	100.0	101.8	101.8
p1 Cal 6-250ng	6	✓	250.0	250.0	100.0
p1 Cal 7-500ng	7	✓	500.0	488.1	97.6
p1 Cal 8-1000ng	8	✓	1000.0	961.3	96.1

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin

Last Cal. Update   12/1/2020 3:06 PM

Analyst Name   ISP\datastor

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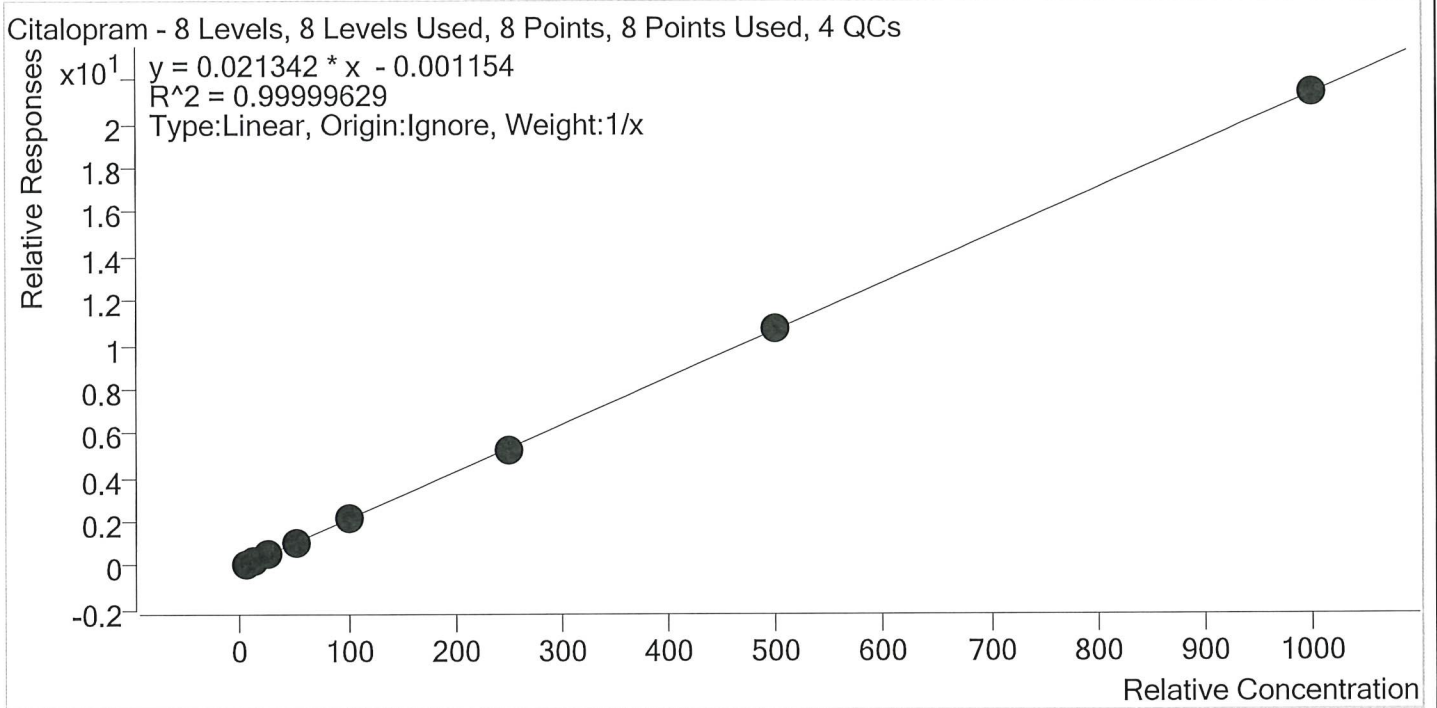
Citalopram - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.021342 * x - 0.001154$
$R^2 = 0.99999629$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.9
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.6
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.5
p1 Cal 4-50ng	4	✓	50.0	50.2	100.4
p1 Cal 5-100ng	5	✓	100.0	99.7	99.7
p1 Cal 6-250ng	6	✓	250.0	249.3	99.7
p1 Cal 7-500ng	7	✓	500.0	499.7	99.9
p1 Cal 8-1000ng	8	✓	1000.0	1001.2	100.1

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin

Last Cal. Update   12/1/2020 3:06 PM

Analyst Name   ISP\datastor

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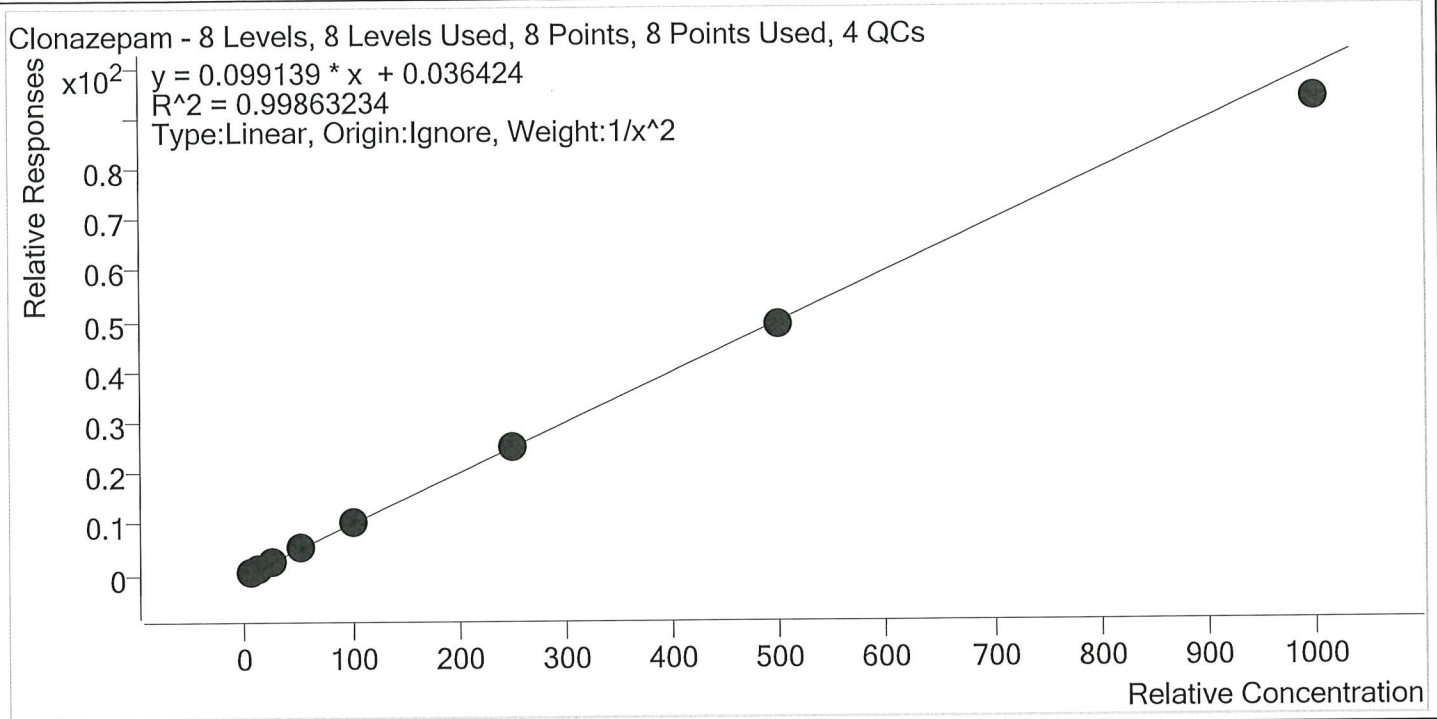
Clonazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.099139 * x + 0.036424$

$R^2 = 0.99863234$

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	98.2
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.5
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.6
p1 Cal 4-50ng	4	✓	50.0	51.8	103.5
p1 Cal 5-100ng	5	✓	100.0	101.2	101.2
p1 Cal 6-250ng	6	✓	250.0	249.3	99.7
p1 Cal 7-500ng	7	✓	500.0	491.2	98.2
p1 Cal 8-1000ng	8	✓	1000.0	939.9	94.0

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin

Last Cal. Update   12/1/2020 3:06 PM

Analyst Name   ISP\datastor

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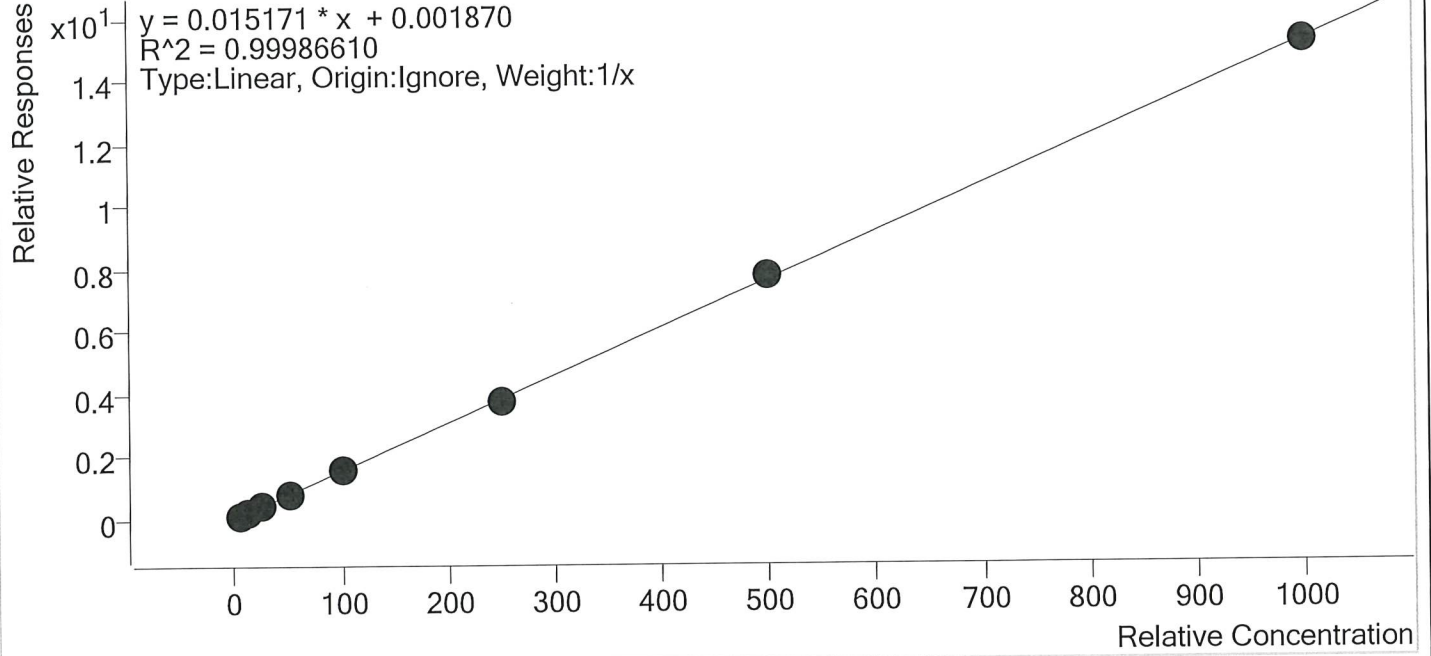
Cocaine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.015171 * x + 0.001870$
$R^2 = 0.99986610$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.4
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.5
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.5
p1 Cal 4-50ng	4	✓	50.0	50.7	101.5
p1 Cal 5-100ng	5	✓	100.0	100.1	100.1
p1 Cal 6-250ng	6	✓	250.0	244.6	97.9
p1 Cal 7-500ng	7	✓	500.0	507.2	101.4
p1 Cal 8-1000ng	8	✓	1000.0	997.3	99.7

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin

Last Cal. Update   12/1/2020 3:06 PM

Analyst Name   ISP\datastor

Analyte   Codeine   **Internal Standard**   Codeine-D6

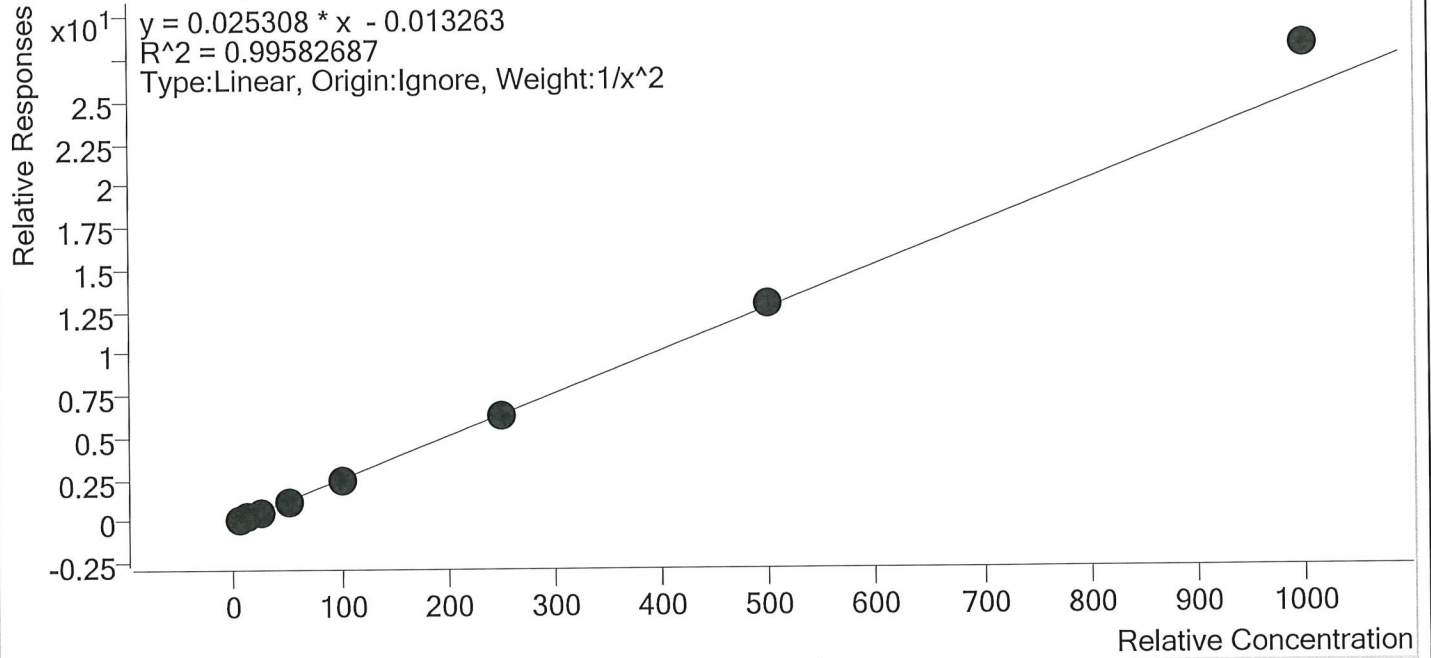Codeine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.025308 * x - 0.013263$

$R^2 = 0.99582687$

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

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.3
p1 Cal 2- 10ng	2	✓	10.0	9.7	97.0
p1 Cal 3 -25ng	3	✓	25.0	23.4	93.6
p1 Cal 4-50ng	4	✓	50.0	48.2	96.4
p1 Cal 5-100ng	5	✓	100.0	96.1	96.1
p1 Cal 6-250ng	6	✓	250.0	250.3	100.1
p1 Cal 7-500ng	7	✓	500.0	511.3	102.3
p1 Cal 8-1000ng	8	✓	1000.0	1112.7	111.3

    Generated at 3:07 PM on 12/1/2020

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin

Last Cal. Update   12/1/2020 3:06 PM

Analyst Name   ISP\datastor

Analyte   Cyclobenzaprine   **Internal Standard**   Cyclobenzaprine-D3

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

$y = 0.027357 * x - 0.006298$
$R^2 = 0.99787421$
Type:Linear, Origin:Ignore, Weight:1/x^2

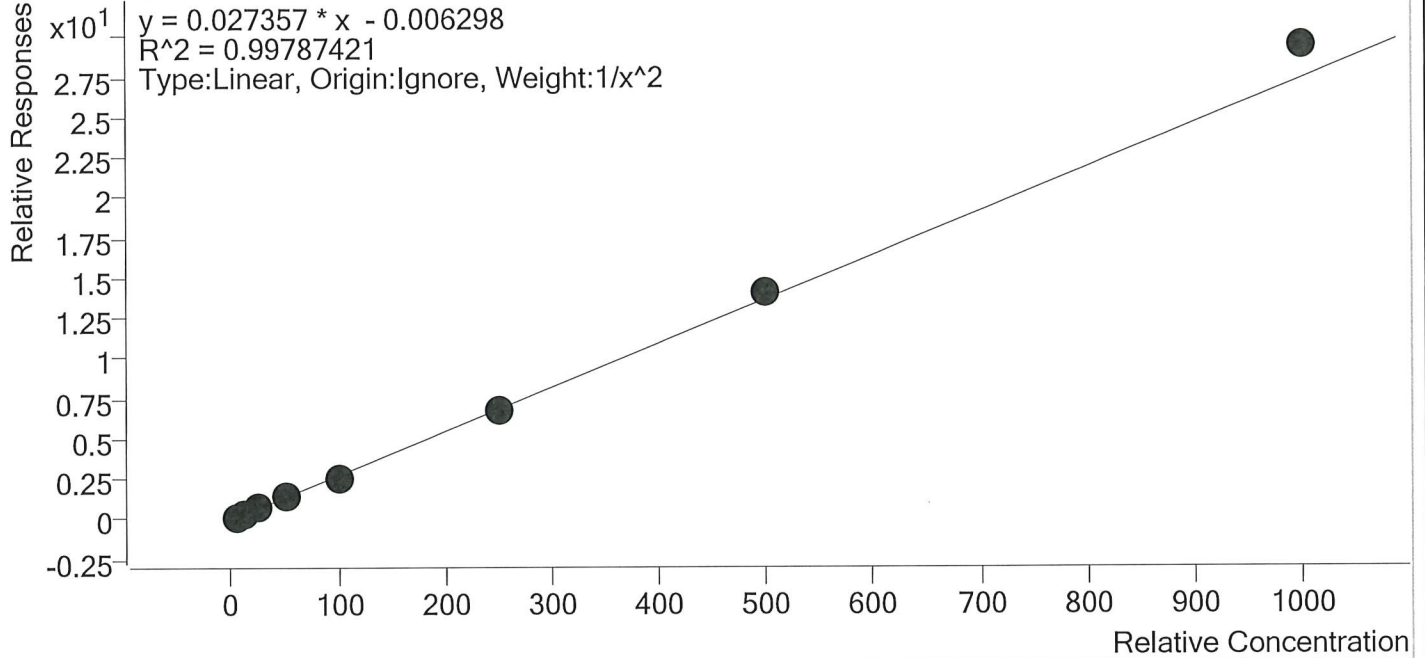| Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.1
p1 Cal 2- 10ng	2	✓	10.0	9.8	97.5
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.7
p1 Cal 4-50ng	4	✓	50.0	49.2	98.4
p1 Cal 5-100ng	5	✓	100.0	94.4	94.4
p1 Cal 6-250ng	6	✓	250.0	249.4	99.8
p1 Cal 7-500ng	7	✓	500.0	512.9	102.6
p1 Cal 8-1000ng	8	✓	1000.0	1075.1	107.5

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin

Last Cal. Update   12/1/2020 3:06 PM

Analyst Name   ISP\datastor

Analyte   Dextromethorphan   **Internal Standard**   Dextromethorphan-D3

Dextromethorphan - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs
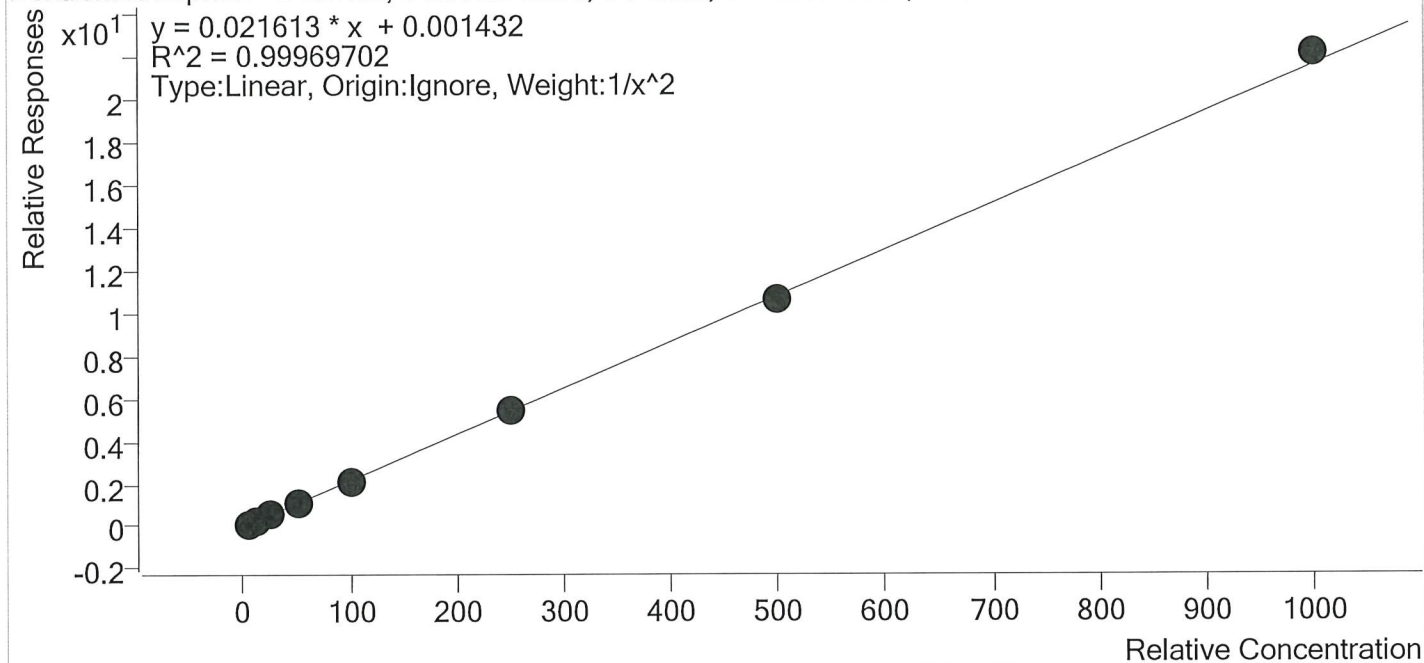
$y = 0.021613 * x + 0.001432$

$R^2 = 0.99969702$

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

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.6
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.8
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.6
p1 Cal 4-50ng	4	✓	50.0	49.6	99.2
p1 Cal 5-100ng	5	✓	100.0	99.8	99.8
p1 Cal 6-250ng	6	✓	250.0	253.2	101.3
p1 Cal 7-500ng	7	✓	500.0	495.2	99.0
p1 Cal 8-1000ng	8	✓	1000.0	1025.9	102.6

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin

Last Cal. Update   12/1/2020 3:06 PM

Analyst Name   ISP\datastor

Analyte   Dextrorphan   **Internal Standard**   Dextrorphan-D3

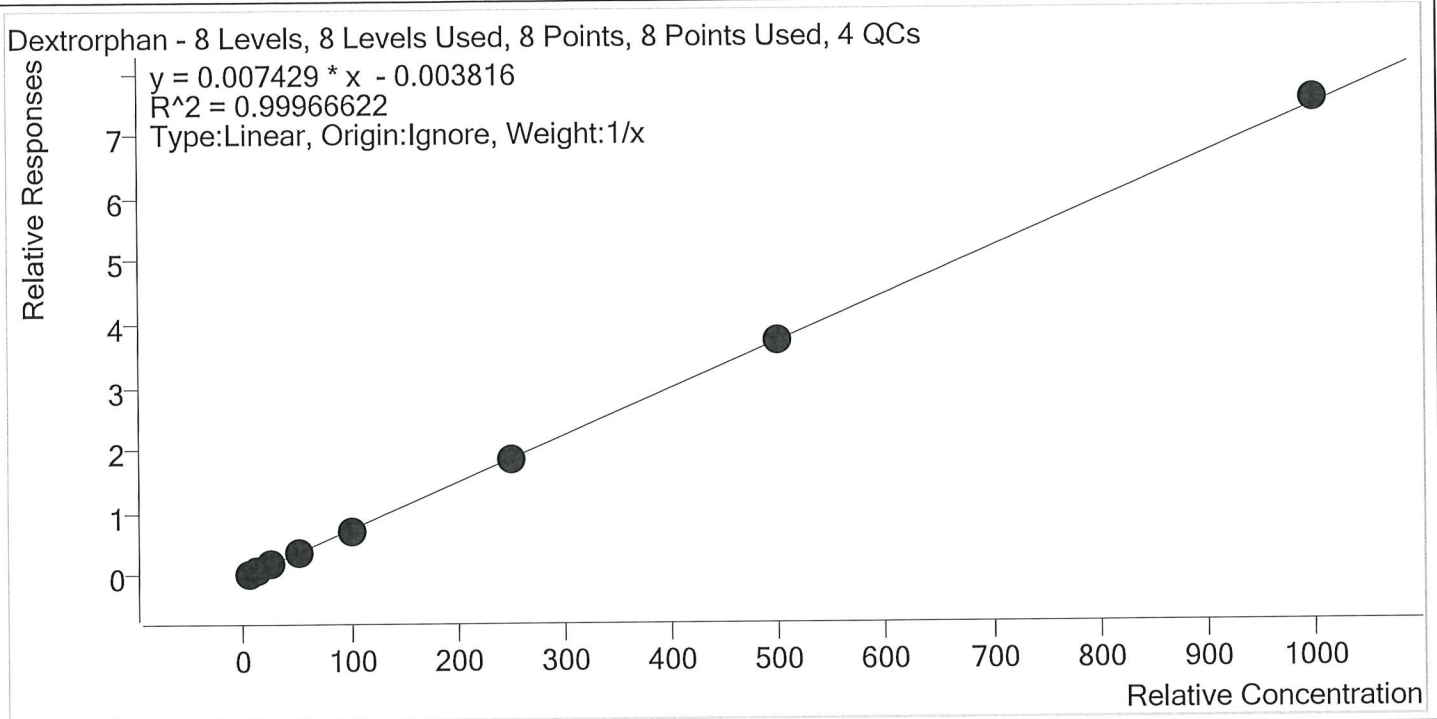Dextrorphan - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.007429 * x - 0.003816$
$R^2 = 0.99966622$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.4	107.9
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.8
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.6
p1 Cal 4-50ng	4	✓	50.0	49.5	99.0
p1 Cal 5-100ng	5	✓	100.0	94.6	94.6
p1 Cal 6-250ng	6	✓	250.0	245.5	98.2
p1 Cal 7-500ng	7	✓	500.0	498.0	99.6
p1 Cal 8-1000ng	8	✓	1000.0	1012.5	101.2

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin

Last Cal. Update   12/1/2020 3:06 PM

Analyst Name   ISP\datastor

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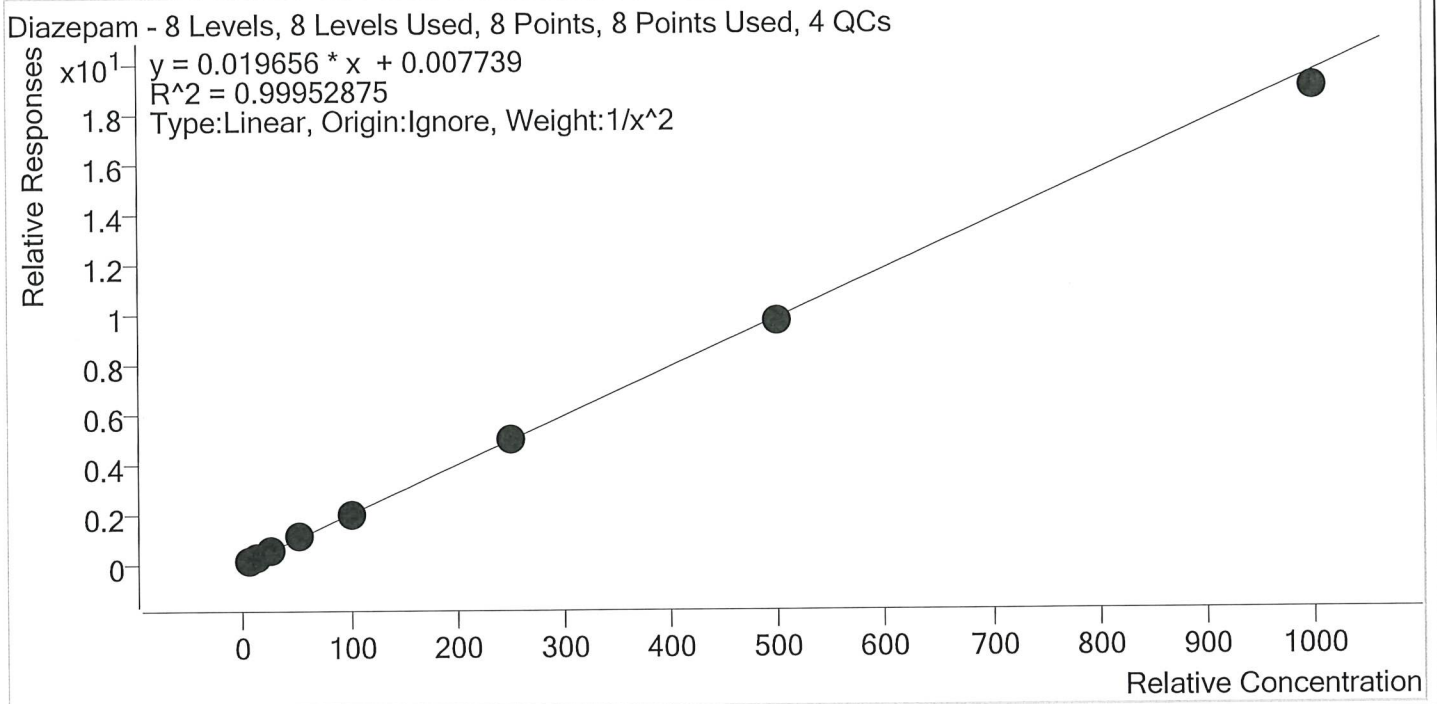
Diazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.019656 * x + 0.007739$

$R^2 = 0.99952875$

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

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.4
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.2
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.7
p1 Cal 4-50ng	4	✓	50.0	51.4	102.8
p1 Cal 5-100ng	5	✓	100.0	101.8	101.8
p1 Cal 6-250ng	6	✓	250.0	249.6	99.8
p1 Cal 7-500ng	7	✓	500.0	492.3	98.5
p1 Cal 8-1000ng	8	✓	1000.0	967.6	96.8

Generated at 3:07 PM on 12/1/2020

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin
Last Cal. Update   12/1/2020 3:06 PM
Analyst Name   ISP\datastor
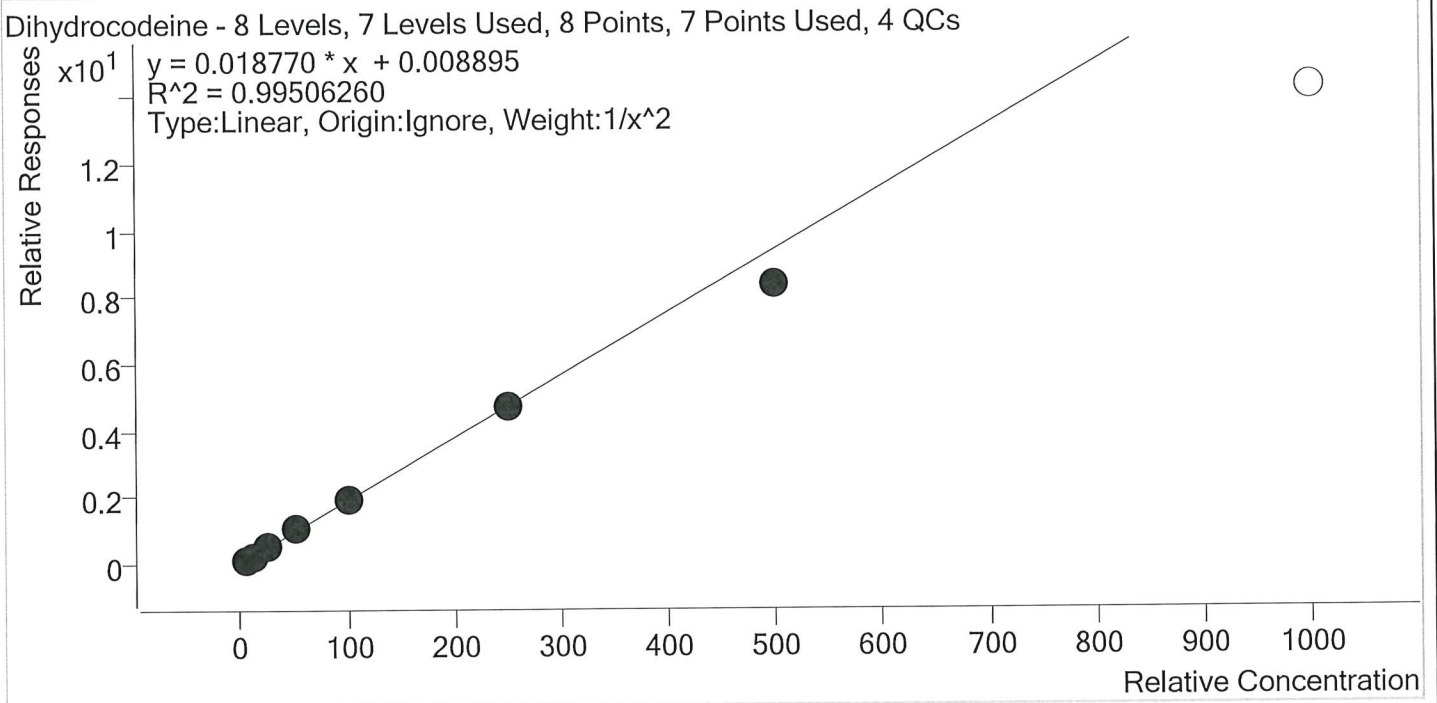**Analyte**   Dihydrocodeine   **Internal Standard**   Dihydrocodeine-D6

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

$y = 0.018770 * x + 0.008895$
$R^2 = 0.99506260$
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	101.1
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.2
p1 Cal 4-50ng	4	✓	50.0	53.7	107.4
p1 Cal 5-100ng	5	✓	100.0	101.4	101.4
p1 Cal 6-250ng	6	✓	250.0	248.6	99.4
p1 Cal 7-500ng	7	✓	500.0	442.5	88.5
p1 Cal 8-1000ng	8	✗	1000.0	757.8	75.8

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin

Last Cal. Update   12/1/2020 3:06 PM

Analyst Name   ISP\datastor

Analyte   Diphenhydramine   **Internal Standard**   Diphenhydramine-D3

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

$y = 0.011829 * x - 0.001470$

$R^2 = 0.99976988$

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

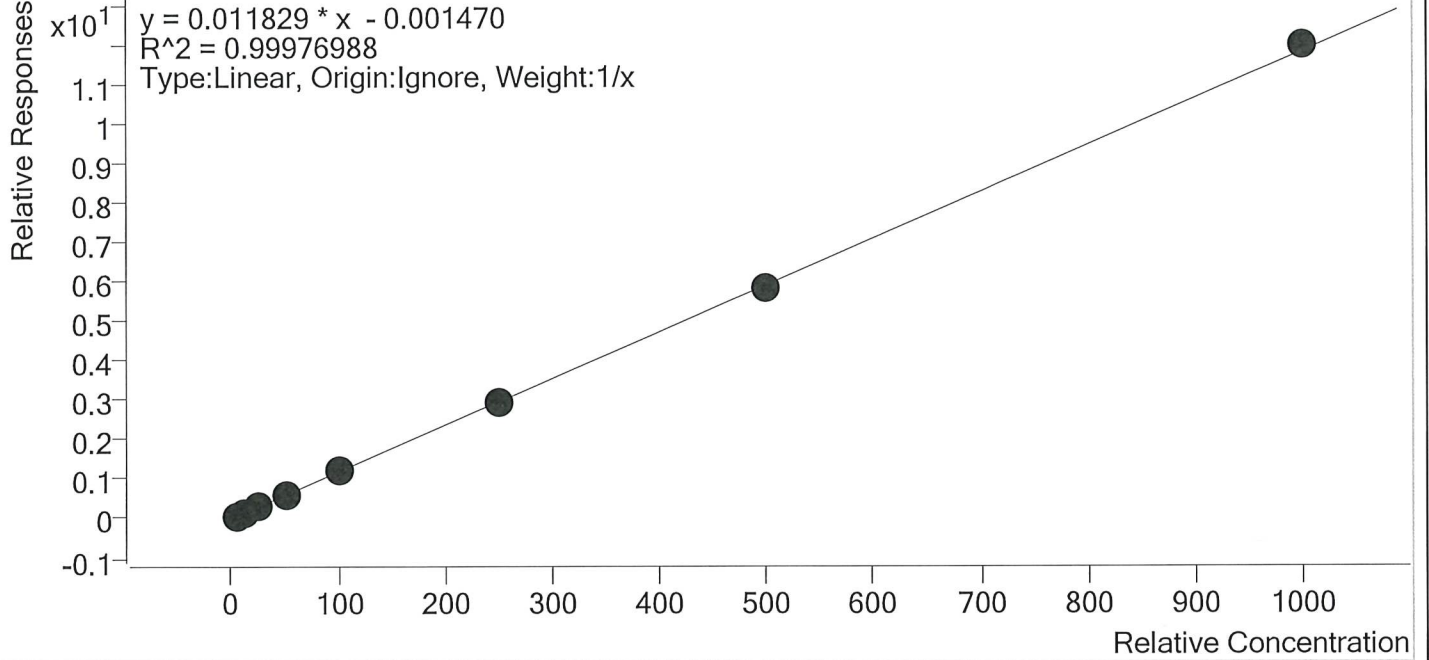| Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	103.0
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.6
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.5
p1 Cal 4-50ng	4	✓	50.0	49.2	98.5
p1 Cal 5-100ng	5	✓	100.0	100.5	100.5
p1 Cal 6-250ng	6	✓	250.0	246.0	98.4
p1 Cal 7-500ng	7	✓	500.0	491.4	98.3
p1 Cal 8-1000ng	8	✓	1000.0	1013.0	101.3

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin

Last Cal. Update 12/1/2020 3:06 PM

Analyst Name   ISP\datastor

Analyte   Doxylamine   **Internal Standard** Doxylamine-D5

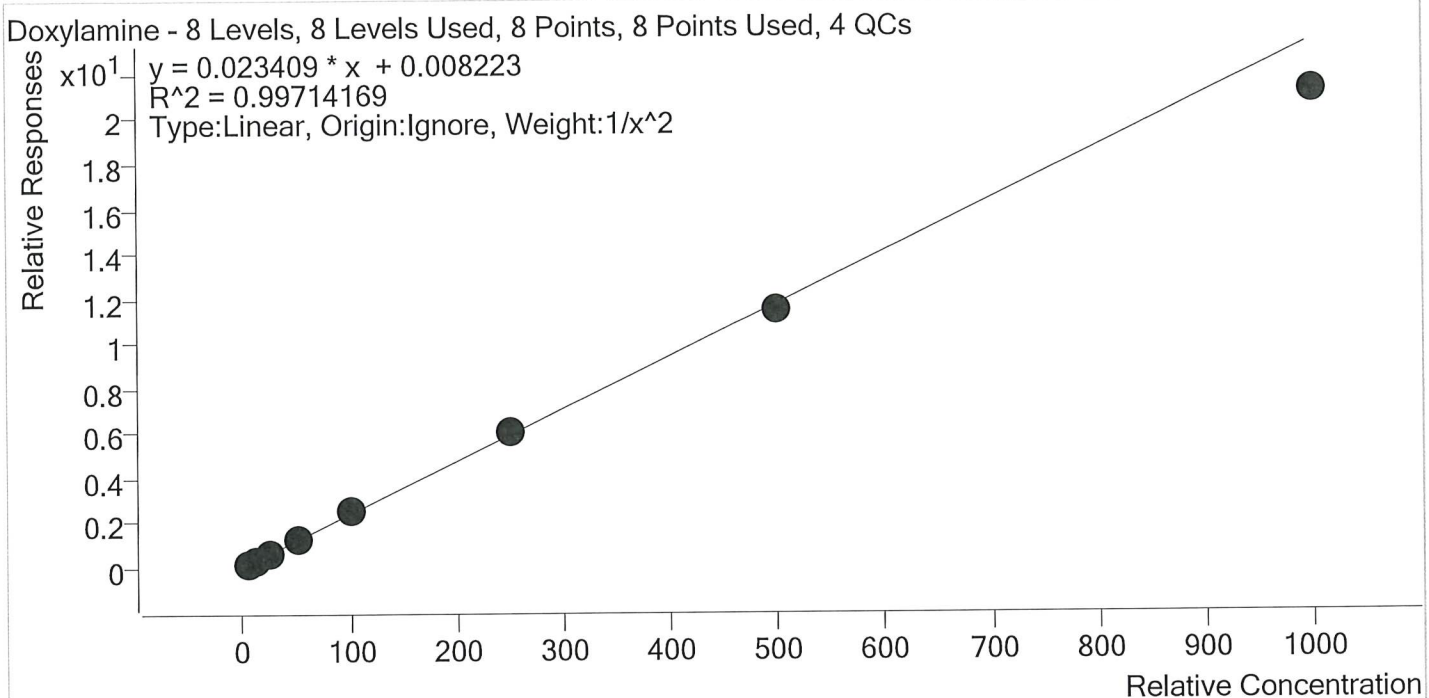Doxylamine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.023409 * x + 0.008223$

$R^2 = 0.99714169$

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

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.6
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.9
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.4
p1 Cal 4-50ng	4	✓	50.0	52.5	104.9
p1 Cal 5-100ng	5	✓	100.0	103.2	103.2
p1 Cal 6-250ng	6	✓	250.0	258.5	103.4
p1 Cal 7-500ng	7	✓	500.0	485.7	97.1
p1 Cal 8-1000ng	8	✓	1000.0	903.9	90.4

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin

Last Cal. Update 12/1/2020 3:06 PM

Analyst Name ISP\datastor
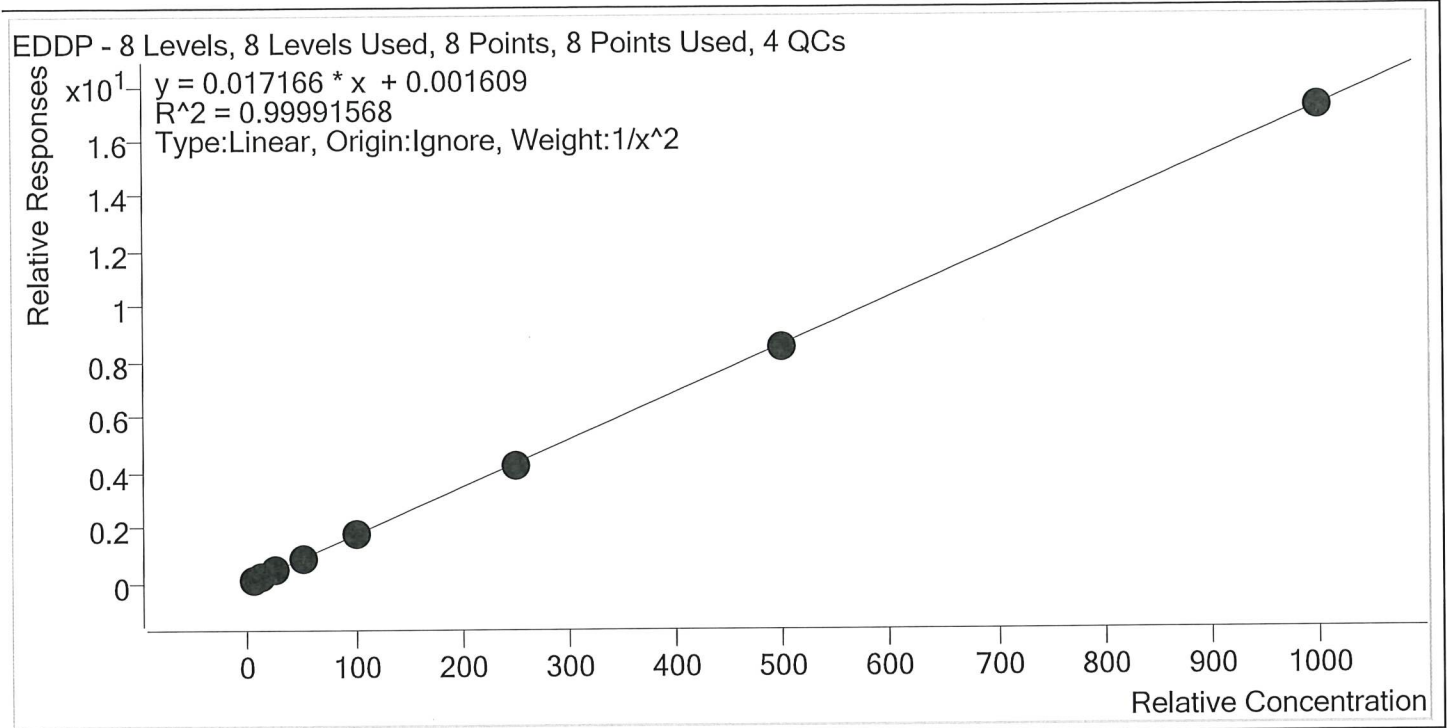
Analyte EDDP   **Internal Standard** EDDP-D3

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

$y = 0.017166 * x + 0.001609$

$R^2 = 0.99991568$

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	99.9
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.6
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.8
p1 Cal 4-50ng	4	✓	50.0	50.7	101.4
p1 Cal 5-100ng	5	✓	100.0	100.1	100.1
p1 Cal 6-250ng	6	✓	250.0	248.6	99.4
p1 Cal 7-500ng	7	✓	500.0	494.4	98.9
p1 Cal 8-1000ng	8	✓	1000.0	998.7	99.9

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin
Last Cal. Update	12/1/2020 3:06 PM
Analyst Name	ISP\datastor
Analyte	Fentanyl

Internal Standard   Fentanyl-D5

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

$y = 0.022865 * x - 0.001169$
$R^2 = 0.98963167$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

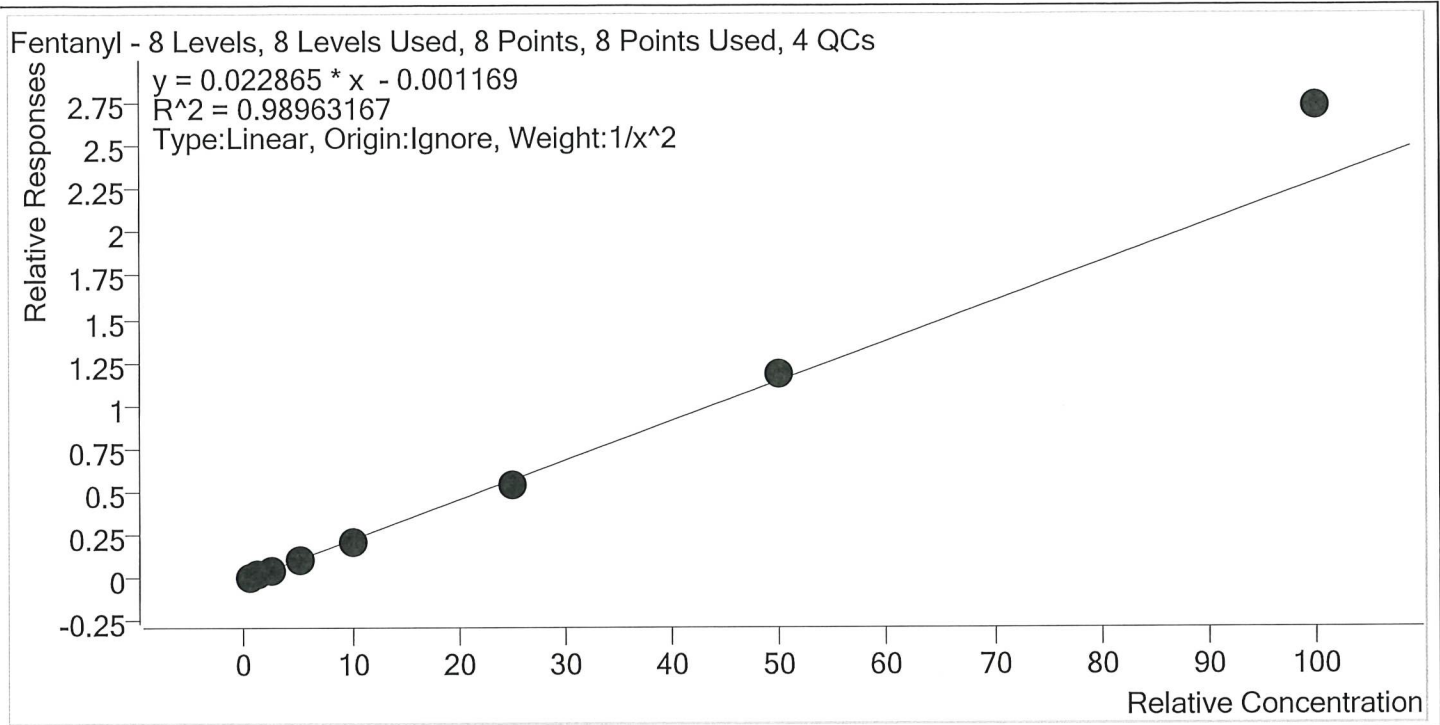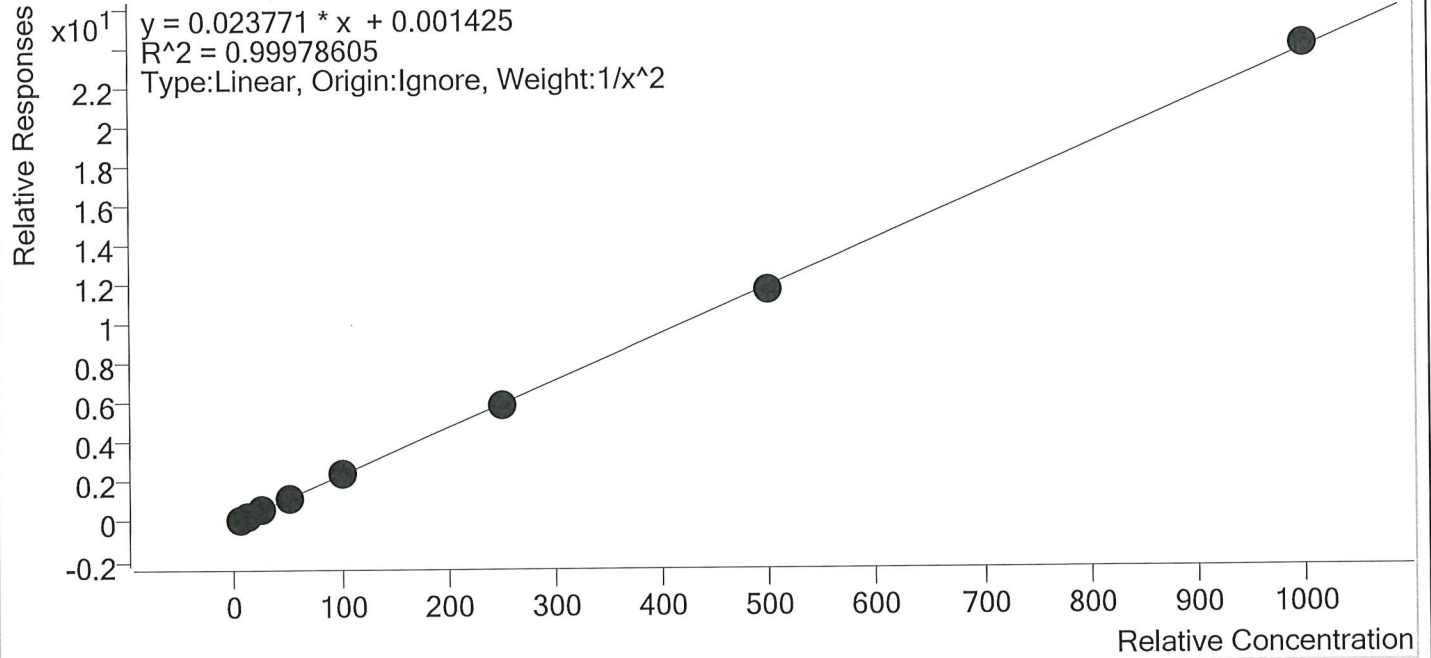| Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	103.3
p1 Cal 2- 10ng	2	✓	1.0	1.0	98.2
p1 Cal 3 -25ng	3	✓	2.5	2.3	91.3
p1 Cal 4-50ng	4	✓	5.0	4.8	96.3
p1 Cal 5-100ng	5	✓	10.0	9.3	93.1
p1 Cal 6-250ng	6	✓	25.0	23.8	95.1
p1 Cal 7-500ng	7	✓	50.0	51.7	103.5
p1 Cal 8-1000ng	8	✓	100.0	119.1	119.1

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin

Last Cal. Update   12/1/2020 3:06 PM

Analyst Name   ISP\datastor

Analyte   Fluoxetine   **Internal Standard**   Fluoxetine-D6

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

$y = 0.023771 * x + 0.001425$

$R^2 = 0.99978605$

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

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.2
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.3
p1 Cal 3 -25ng	3	✓	25.0	25.0	99.9
p1 Cal 4-50ng	4	✓	50.0	50.9	101.8
p1 Cal 5-100ng	5	✓	100.0	100.0	100.0
p1 Cal 6-250ng	6	✓	250.0	245.5	98.2
p1 Cal 7-500ng	7	✓	500.0	493.5	98.7
p1 Cal 8-1000ng	8	✓	1000.0	1008.9	100.9

Generated at 3:07 PM on 12/1/2020

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin
Last Cal. Update	12/1/2020 3:06 PM
Analyst Name	ISP\datastor
Analyte	Hydrocodone

Internal Standard   Hydrocodone-D6

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

$y = 0.013554 * x + 0.014784$
$R^2 = 0.99185069$
Type:Linear, Origin:Ignore, Weight:1/x^2

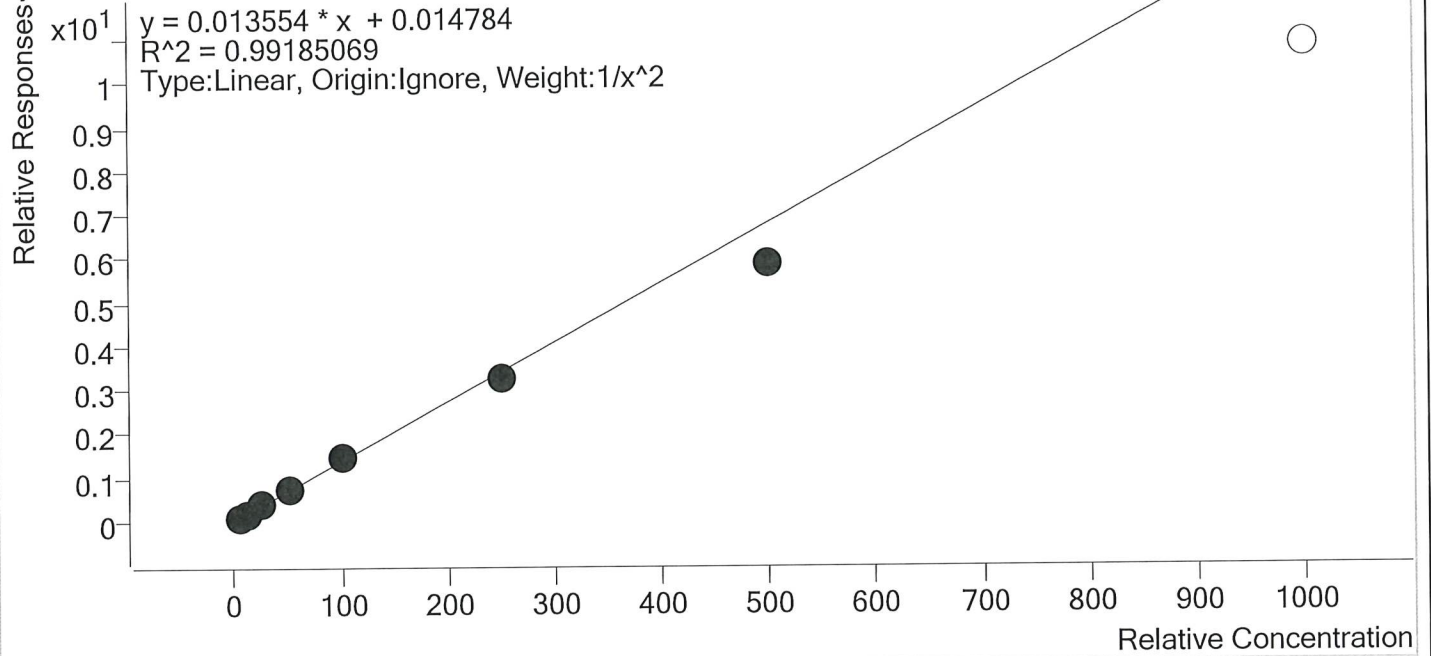| Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.5
p1 Cal 2- 10ng	2	✓	10.0	10.4	103.5
p1 Cal 3 -25ng	3	✓	25.0	26.0	104.1
p1 Cal 4-50ng	4	✓	50.0	54.9	109.7
p1 Cal 5-100ng	5	✓	100.0	103.4	103.4
p1 Cal 6-250ng	6	✓	250.0	241.5	96.6
p1 Cal 7-500ng	7	✓	500.0	430.6	86.1
p1 Cal 8-1000ng	8	✗	1000.0	798.6	79.9

Generated at 3:07 PM on 12/1/2020

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results　　　D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin
Last Cal. Update　　12/1/2020 3:06 PM
Analyst Name　　　ISP\datastor
Analyte　　　　　　Hydromorphone　　　　　　**Internal Standard**　　Hydromorphone-D6

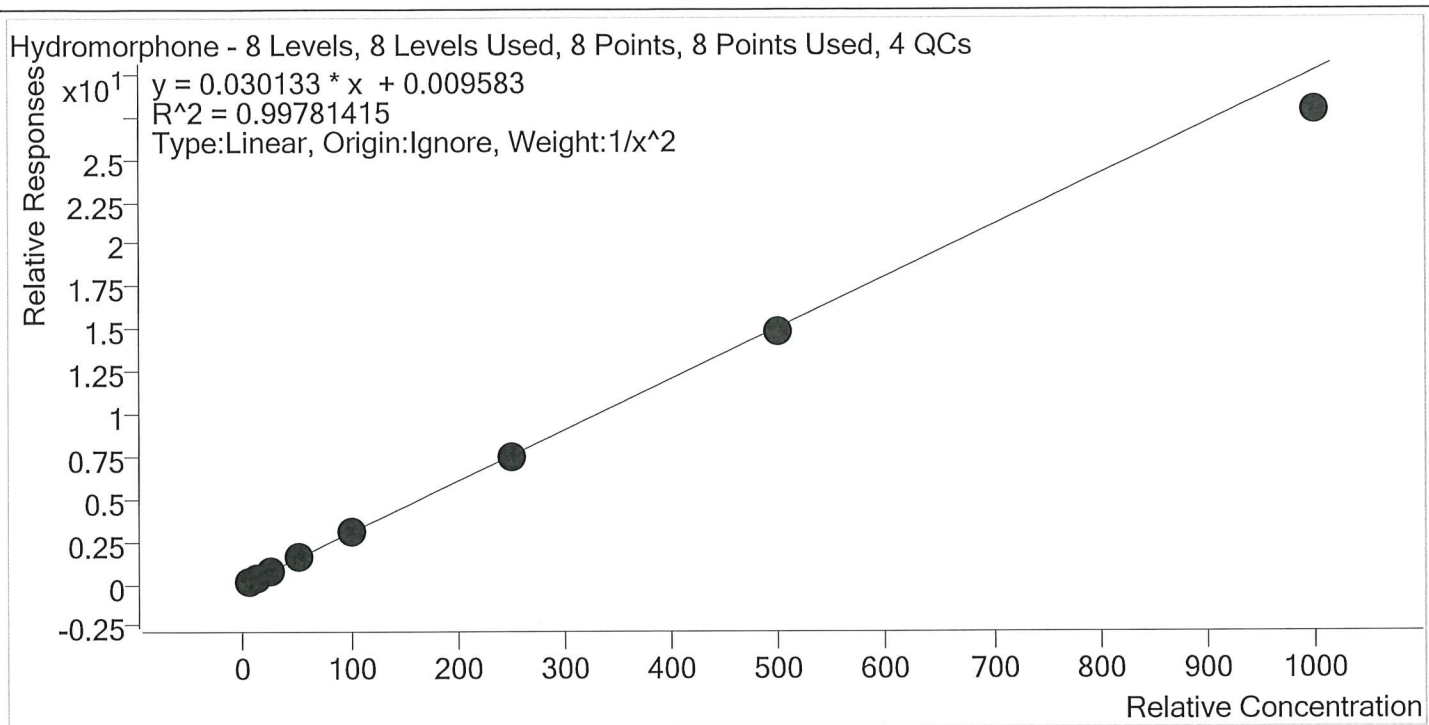Hydromorphone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.030133 * x + 0.009583$
$R^2 = 0.99781415$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.6
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.7
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.5
p1 Cal 4-50ng	4	✓	50.0	52.4	104.7
p1 Cal 5-100ng	5	✓	100.0	100.6	100.6
p1 Cal 6-250ng	6	✓	250.0	249.4	99.8
p1 Cal 7-500ng	7	✓	500.0	494.0	98.8
p1 Cal 8-1000ng	8	✓	1000.0	923.1	92.3

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin

Last Cal. Update   12/1/2020 3:06 PM

Analyst Name   ISP\datastor

Analyte   Ketamine   **Internal Standard**   Ketamine-D4

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

$y = 0.021183 * x + 0.018266$

$R^2 = 0.99373448$

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	102.7
p1 Cal 3 -25ng	3	✓	25.0	26.5	106.2
p1 Cal 4-50ng	4	✓	50.0	52.5	105.0
p1 Cal 5-100ng	5	✓	100.0	104.6	104.6
p1 Cal 6-250ng	6	✓	250.0	243.4	97.4
p1 Cal 7-500ng	7	✓	500.0	436.4	87.3
p1 Cal 8-1000ng	8	✗	1000.0	754.9	75.5

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin
Last Cal. Update   12/1/2020 3:06 PM
Analyst Name   ISP\datastor
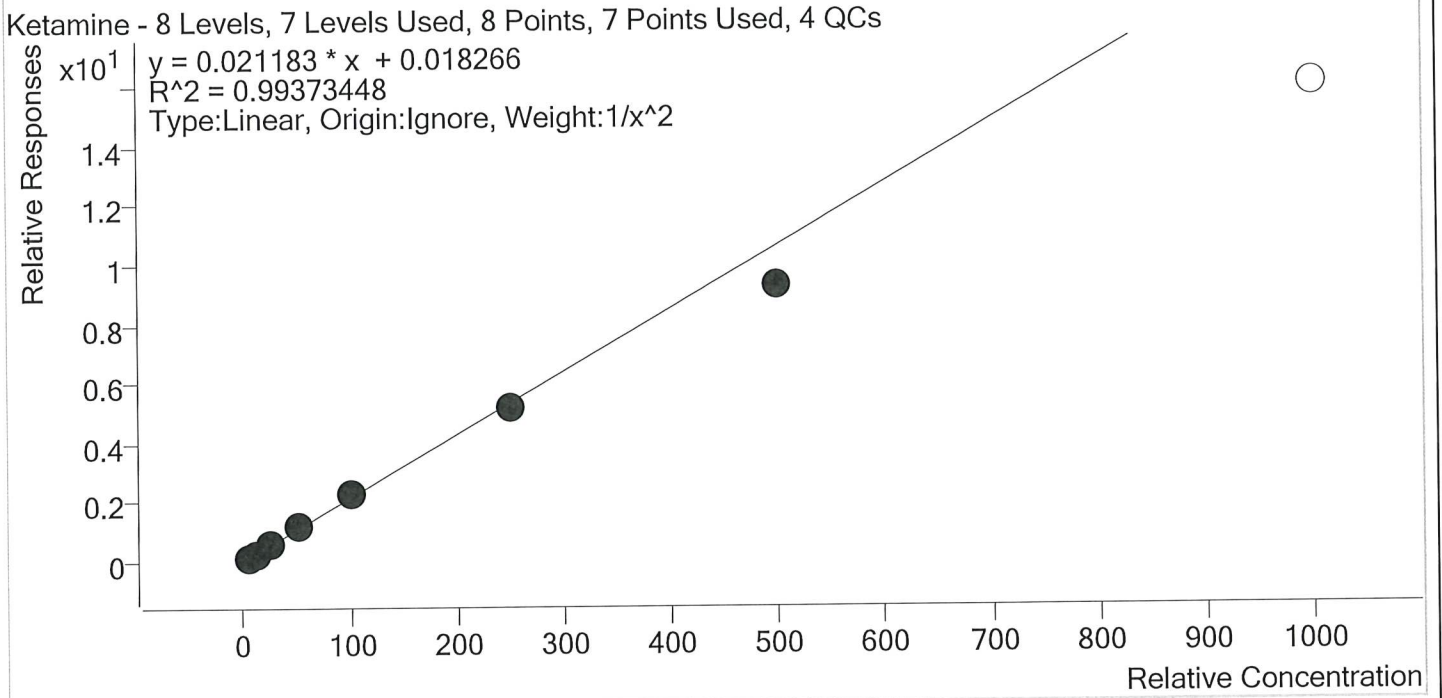**Analyte**   Lamotrigine   **Internal Standard**   Ketamine-D4

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

$y = 0.001781 * x + 5.152297E\text{-}004$
$R^2 = 0.99406680$
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	97.3
p1 Cal 2- 10ng	2	✓	10.0	10.4	103.6
p1 Cal 3 -25ng	3	✓	25.0	25.5	101.9
p1 Cal 4-50ng	4	✓	50.0	54.2	108.4
p1 Cal 5-100ng	5	✓	100.0	99.0	99.0
p1 Cal 6-250ng	6	✓	250.0	224.8	89.9
p1 Cal 7-500ng	7	✕	500.0	373.2	74.6
p1 Cal 8-1000ng	8	✕	1000.0	545.0	54.5

AM #28 Multi-Drug Quant. Calibration Curve Report

SJ

Batch results D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin

Last Cal. Update 12/1/2020 3:06 PM

Analyst Name ISP\datastor
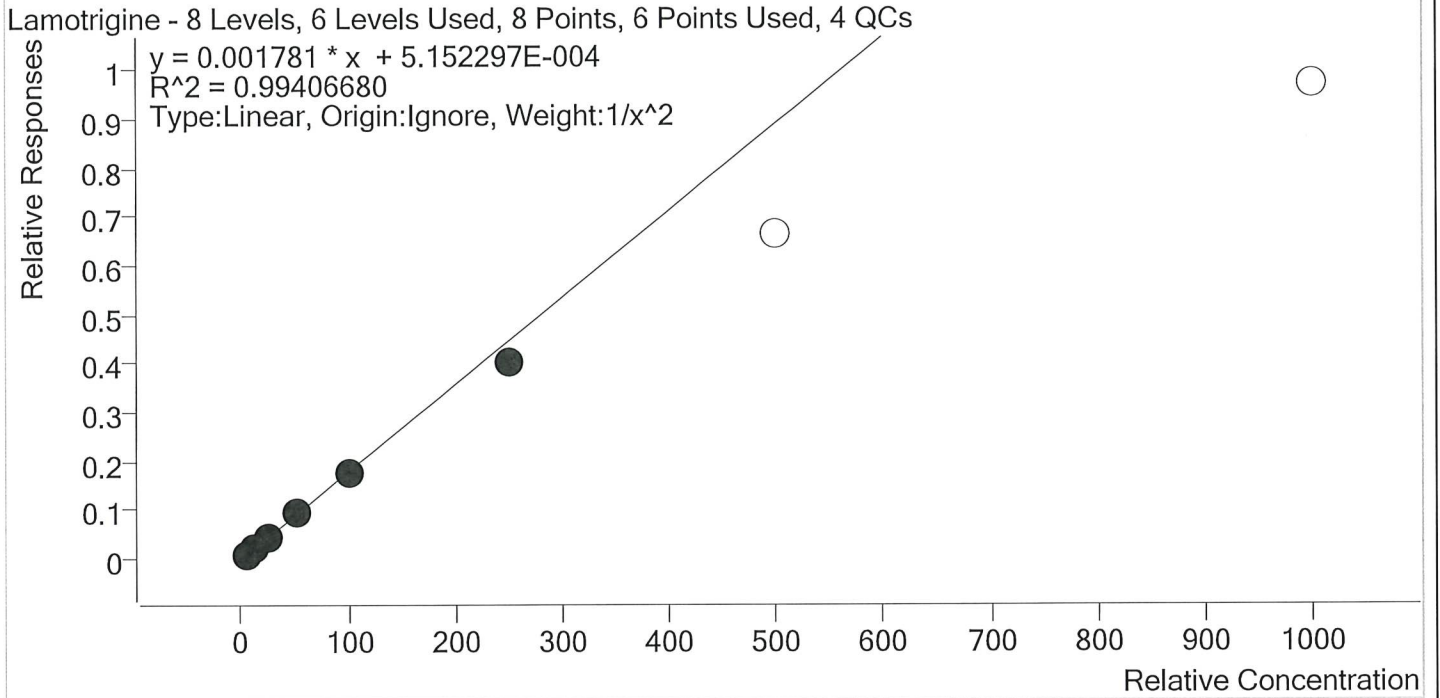
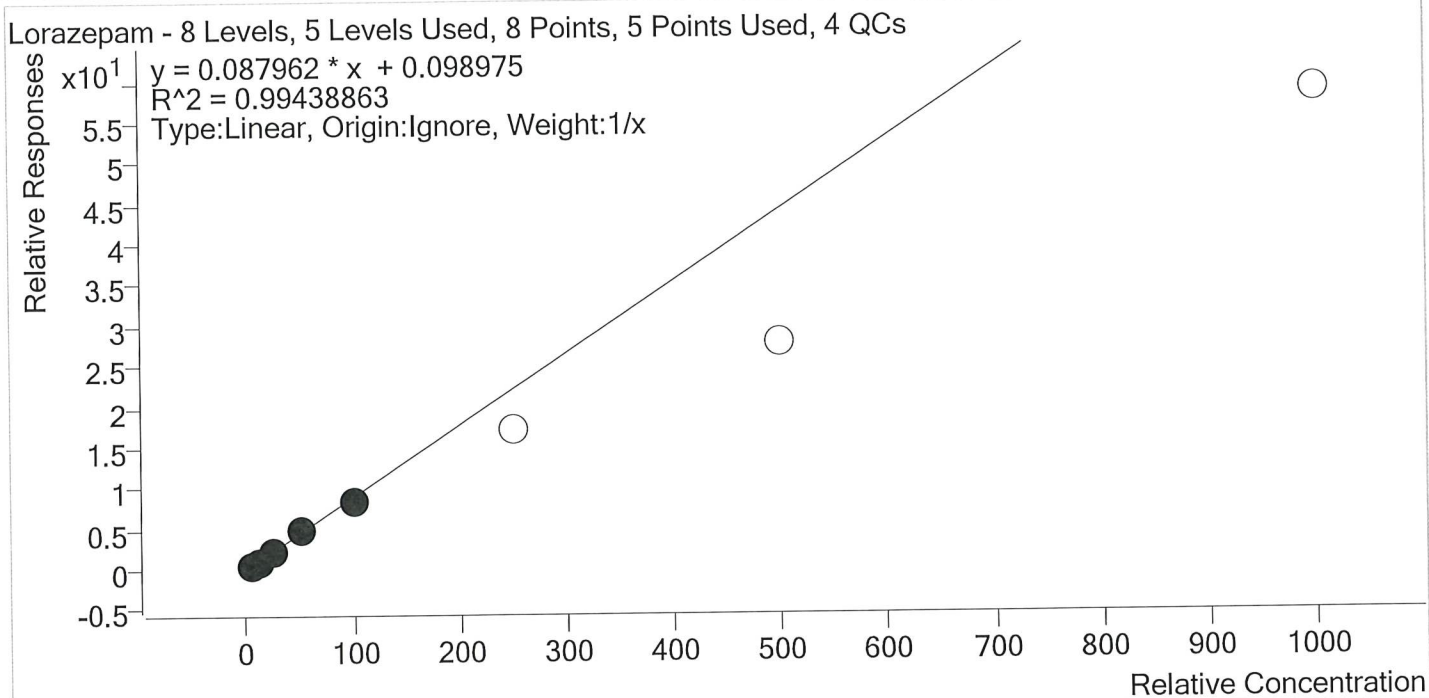**Analyte** Lorazepam   **Internal Standard** Clonazepam-D4

Lorazepam - 8 Levels, 5 Levels Used, 8 Points, 5 Points Used, 4 QCs

$y = 0.087962 * x + 0.098975$
$R^2 = 0.99438863$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.6	92.7
p1 Cal 2- 10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.2
p1 Cal 4-50ng	4	✓	50.0	54.2	108.3
p1 Cal 5-100ng	5	✓	100.0	95.0	95.0
p1 Cal 6-250ng	6	✗	250.0	192.2	76.9
p1 Cal 7-500ng	7	✗	500.0	313.3	62.7
p1 Cal 8-1000ng	8	✗	1000.0	662.9	66.3

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin
Last Cal. Update	12/1/2020 3:06 PM
Analyst Name	ISP\datastor
Analyte	Meprobamate

Internal Standard   Meprobamate-D7

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

$y = 0.018868 * x + 0.005573$
$R^2 = 0.99671639$
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	98.7
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.7
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.5
p1 Cal 4-50ng	4	✓	50.0	52.8	105.7
p1 Cal 5-100ng	5	✓	100.0	100.6	100.6
p1 Cal 6-250ng	6	✓	250.0	229.4	91.8
p1 Cal 7-500ng	7	✗	500.0	370.5	74.1
p1 Cal 8-1000ng	8	✗	1000.0	601.9	60.2

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin
Last Cal. Update   12/1/2020 3:06 PM
Analyst Name   ISP\datastor
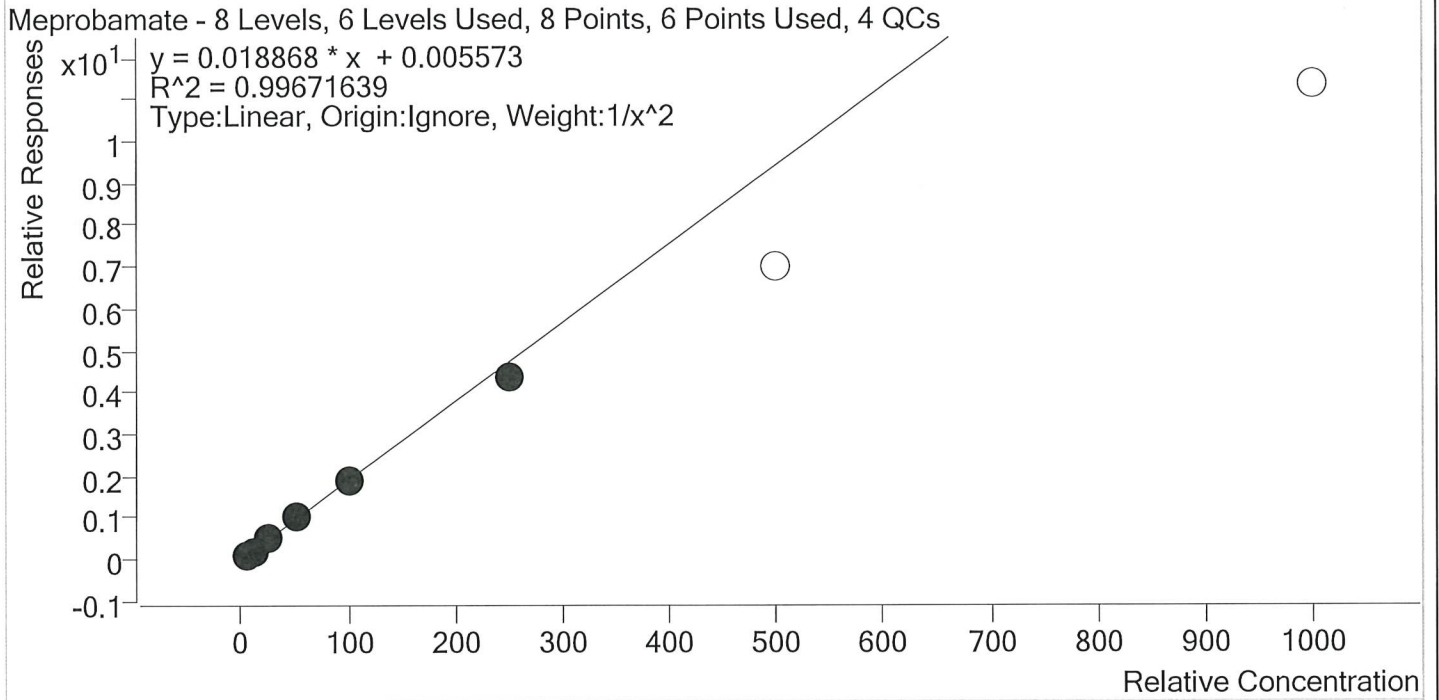**Analyte**   Methadone   **Internal Standard**   Methadone-D9

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

$y = 0.023937 * x + 0.002562$
$R^2 = 0.99955552$
Type:Linear, Origin:Ignore, Weight:1/x^2

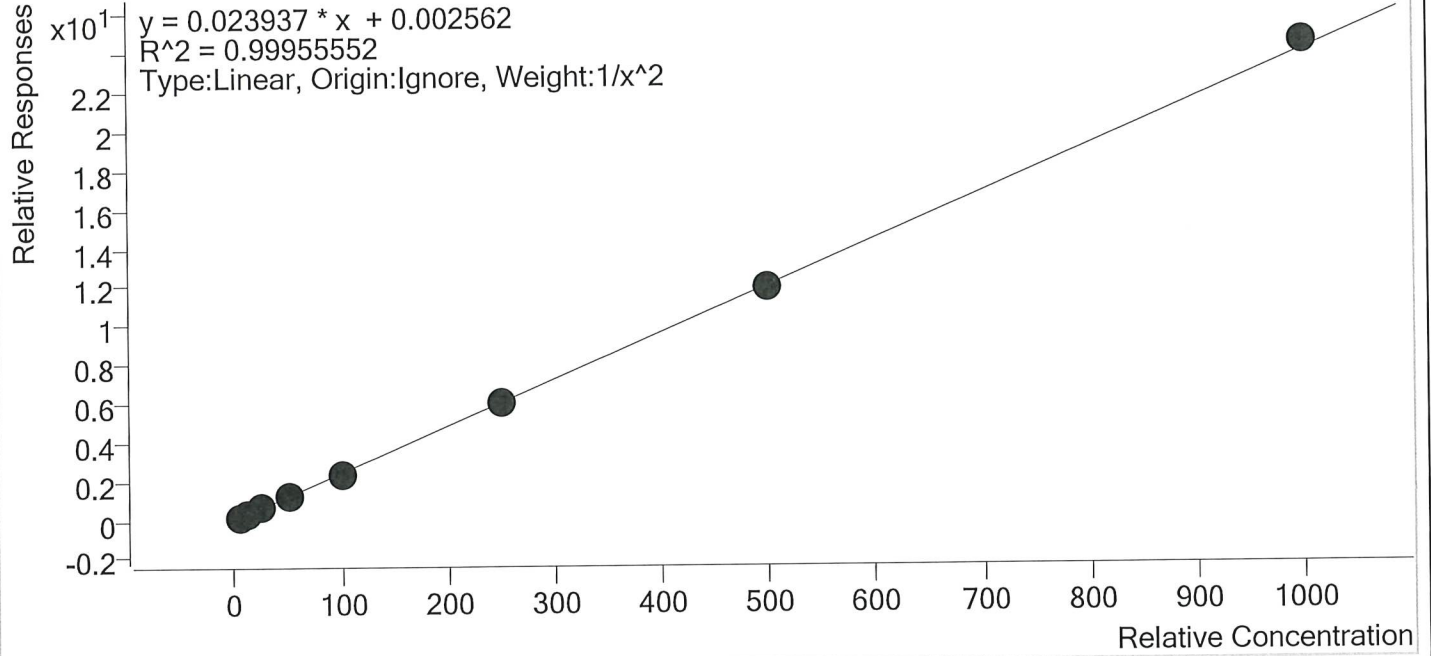| Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.7
p1 Cal 2- 10ng	2	✓	10.0	9.6	96.4
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.6
p1 Cal 4-50ng	4	✓	50.0	50.9	101.7
p1 Cal 5-100ng	5	✓	100.0	100.0	100.0
p1 Cal 6-250ng	6	✓	250.0	249.2	99.7
p1 Cal 7-500ng	7	✓	500.0	495.2	99.0
p1 Cal 8-1000ng	8	✓	1000.0	1018.5	101.8

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin
Last Cal. Update	12/1/2020 3:06 PM
Analyst Name	ISP\datastor
Analyte	Methamphetamine

Internal Standard   Methamphetamine-D11
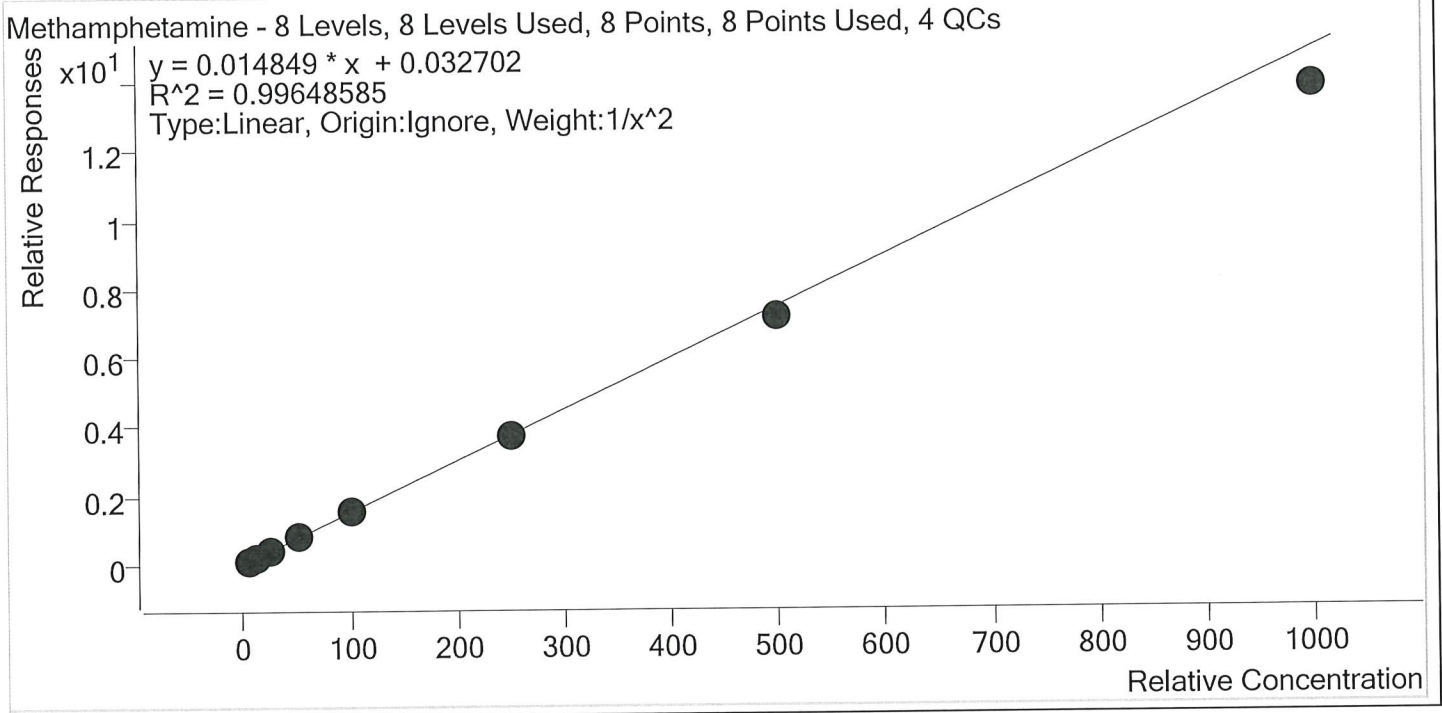
Methamphetamine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.014849 * x + 0.032702$
$R^2 = 0.99648585$
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	95.8
p1 Cal 2- 10ng	2	✓	10.0	10.6	106.2
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.0
p1 Cal 4-50ng	4	✓	50.0	53.5	107.0
p1 Cal 5-100ng	5	✓	100.0	101.3	101.3
p1 Cal 6-250ng	6	✓	250.0	249.0	99.6
p1 Cal 7-500ng	7	✓	500.0	477.1	95.4
p1 Cal 8-1000ng	8	✓	1000.0	926.7	92.7

Generated at 3:07 PM on 12/1/2020

Batch results	D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin
Last Cal. Update	12/1/2020 3:06 PM
Analyst Name	ISP\datastor
Analyte	Metoprolol

Internal Standard   Tramadol-13C-D3
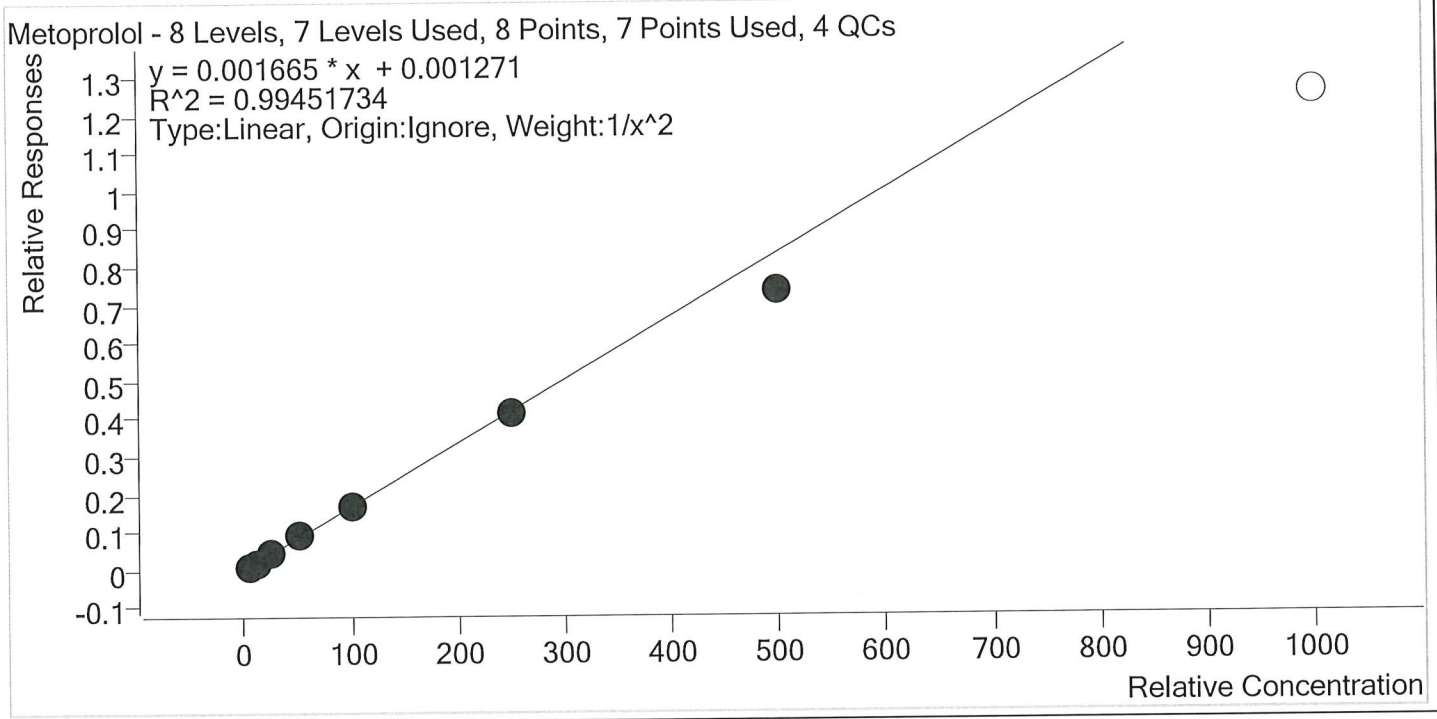
Metoprolol - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs

$y = 0.001665 * x + 0.001271$
$R^2 = 0.99451734$
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	96.5
p1 Cal 2- 10ng	2	✓	10.0	10.5	105.0
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.0
p1 Cal 4-50ng	4	✓	50.0	53.6	107.3
p1 Cal 5-100ng	5	✓	100.0	101.2	101.2
p1 Cal 6-250ng	6	✓	250.0	250.0	100.0
p1 Cal 7-500ng	7	✓	500.0	440.7	88.1
p1 Cal 8-1000ng	8	✗	1000.0	751.2	75.1

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin
Last Cal. Update	12/1/2020 3:06 PM
Analyst Name	ISP\datastor
Analyte	Mirtazapine

Internal Standard   alpha-PVP-d8

Mirtazapine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs
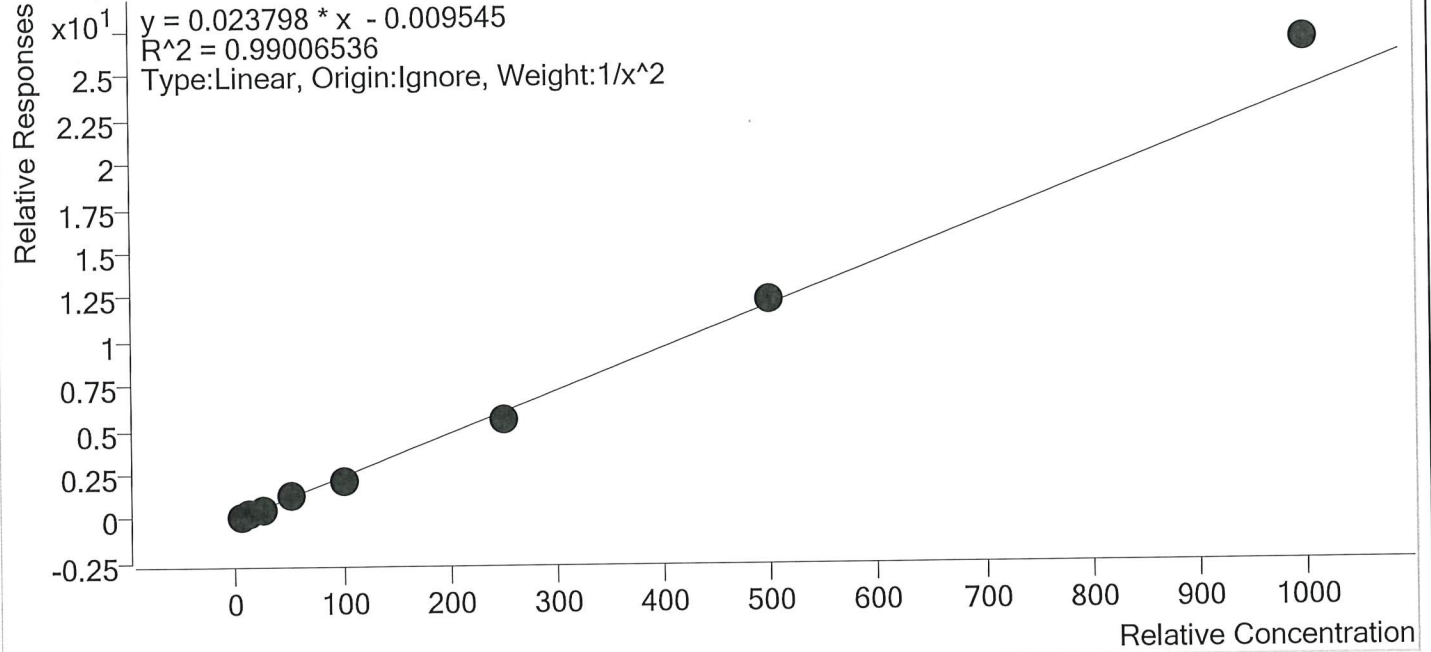
$y = 0.023798 * x - 0.009545$
$R^2 = 0.99006536$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.8
p1 Cal 2- 10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	22.7	90.9
p1 Cal 4-50ng	4	✓	50.0	56.0	111.9
p1 Cal 5-100ng	5	✓	100.0	89.8	89.8
p1 Cal 6-250ng	6	✓	250.0	232.5	93.0
p1 Cal 7-500ng	7	✓	500.0	508.4	101.7
p1 Cal 8-1000ng	8	✓	1000.0	1120.5	112.0

Generated at 3:07 PM on 12/1/2020

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin
Last Cal. Update	12/1/2020 3:06 PM
Analyst Name	ISP\datastor
Analyte	Mitragynine

Internal Standard Methadone-D9

Mitragynine - 8 Levels, 5 Levels Used, 8 Points, 5 Points Used, 4 QCs

$y = 0.003168 * x + 2.455238E{-}005$
$R^2 = 0.98081935$
Type:Linear, Origin:Ignore, Weight:1/x^2

Relative Responses vs Relative Concentration

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	9.3	93.0
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.8
p1 Cal 4-50ng	4	✓	50.0	58.4	116.8
p1 Cal 5-100ng	5	✓	100.0	88.8	88.8
p1 Cal 6-250ng	6	✗	250.0	203.7	81.5
p1 Cal 7-500ng	7	✗	500.0	360.8	72.2
p1 Cal 8-1000ng	8	✗	1000.0	643.7	64.4

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin

Last Cal. Update   12/1/2020 3:06 PM

Analyst Name   ISP\datastor

Analyte   Morphine   **Internal Standard**   Morphine-D6

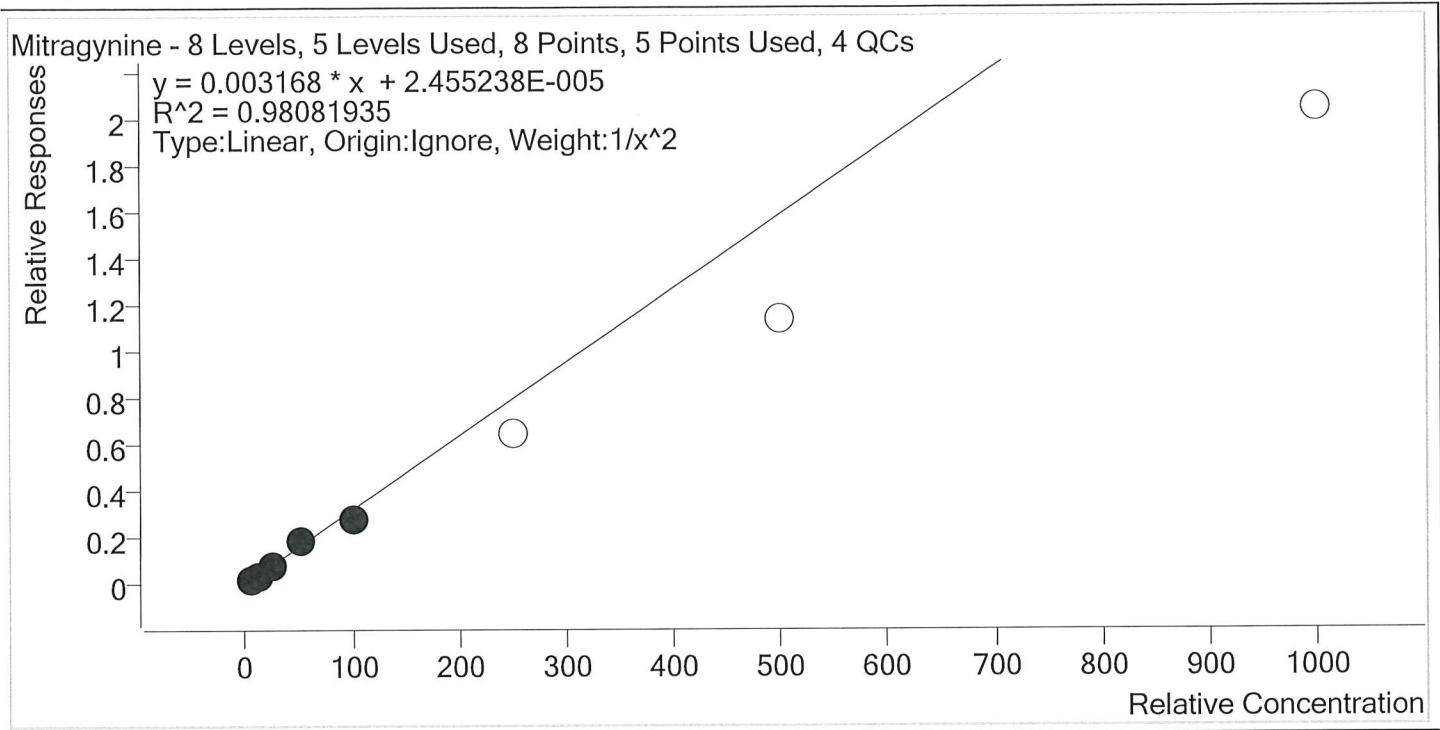Morphine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.062235 * x + 0.025285$

$R^2 = 0.99707347$

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	10.0	100.2
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.4
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	239.8	95.9
p1 Cal 7-500ng	7	✓	500.0	483.5	96.7
p1 Cal 8-1000ng	8	✓	1000.0	938.6	93.9

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin

Last Cal. Update   12/1/2020 3:06 PM

Analyst Name   ISP\datastor

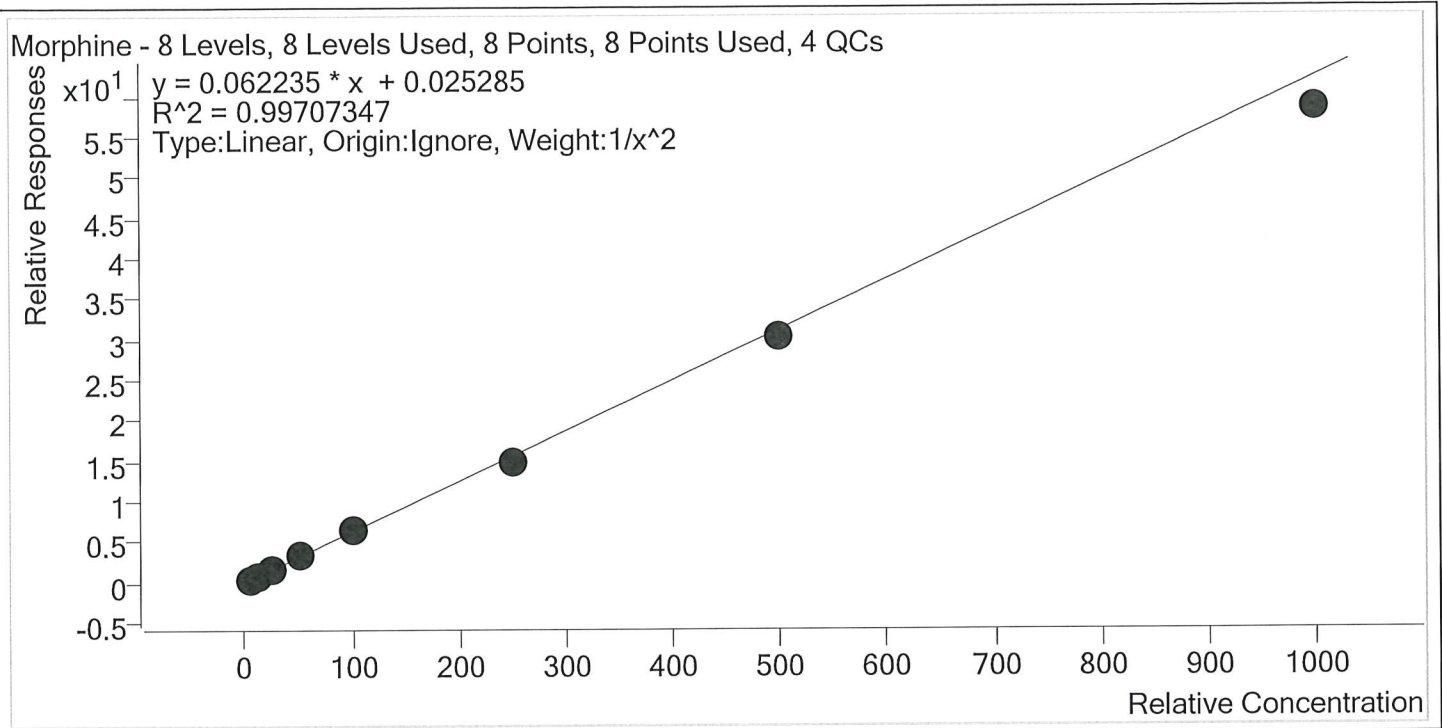**Analyte**   Norbuprenorphine   **Internal Standard**   Norbuprenorphine-D3

Norbuprenorphine - 8 Levels, 6 Levels Used, 8 Points, 6 Points Used, 4 QCs
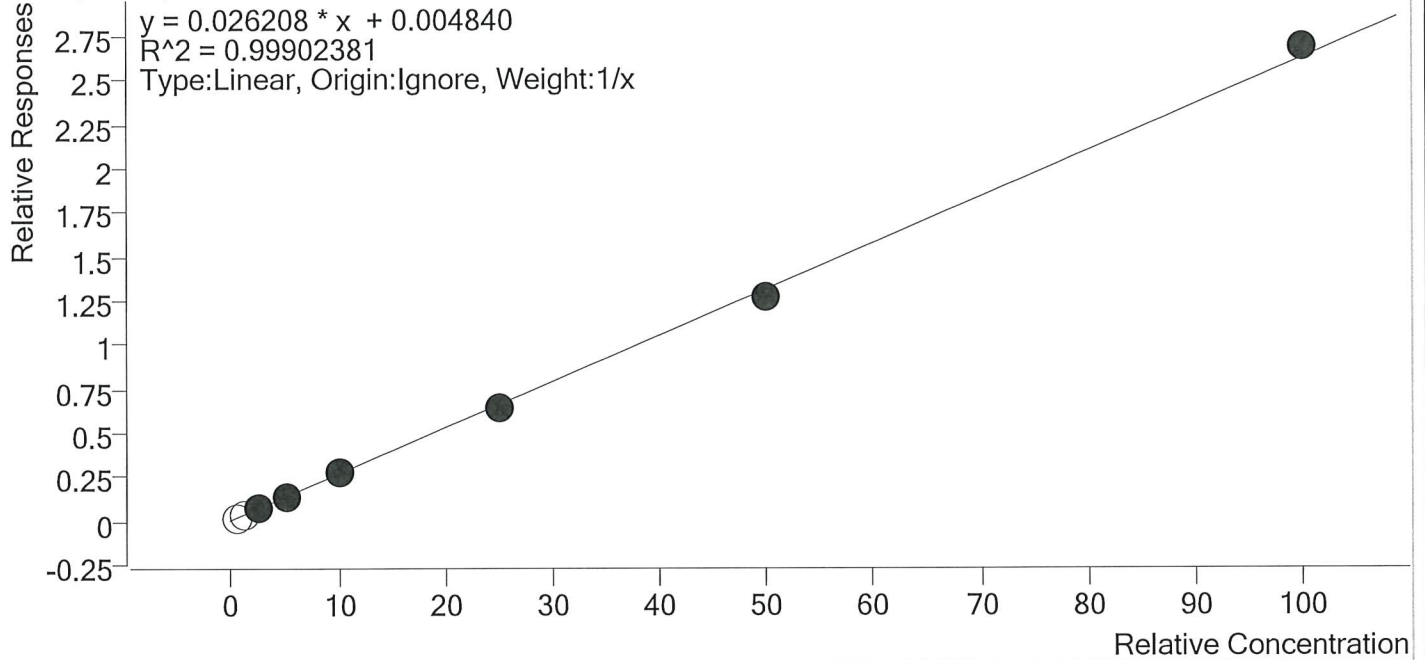
$y = 0.026208 * x + 0.004840$

$R^2 = 0.99902381$

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

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✗	0.5	0.4	80.2
p1 Cal 2- 10ng	2	✗	1.0	0.8	77.7
p1 Cal 3 -25ng	3	✓	2.5	2.6	105.0
p1 Cal 4-50ng	4	✓	5.0	5.0	99.1
p1 Cal 5-100ng	5	✓	10.0	10.0	100.4
p1 Cal 6-250ng	6	✓	25.0	24.1	96.3
p1 Cal 7-500ng	7	✓	50.0	48.5	96.9
p1 Cal 8-1000ng	8	✓	100.0	102.3	102.3

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin

Last Cal. Update 12/1/2020 3:06 PM

Analyst Name ISP\datastor

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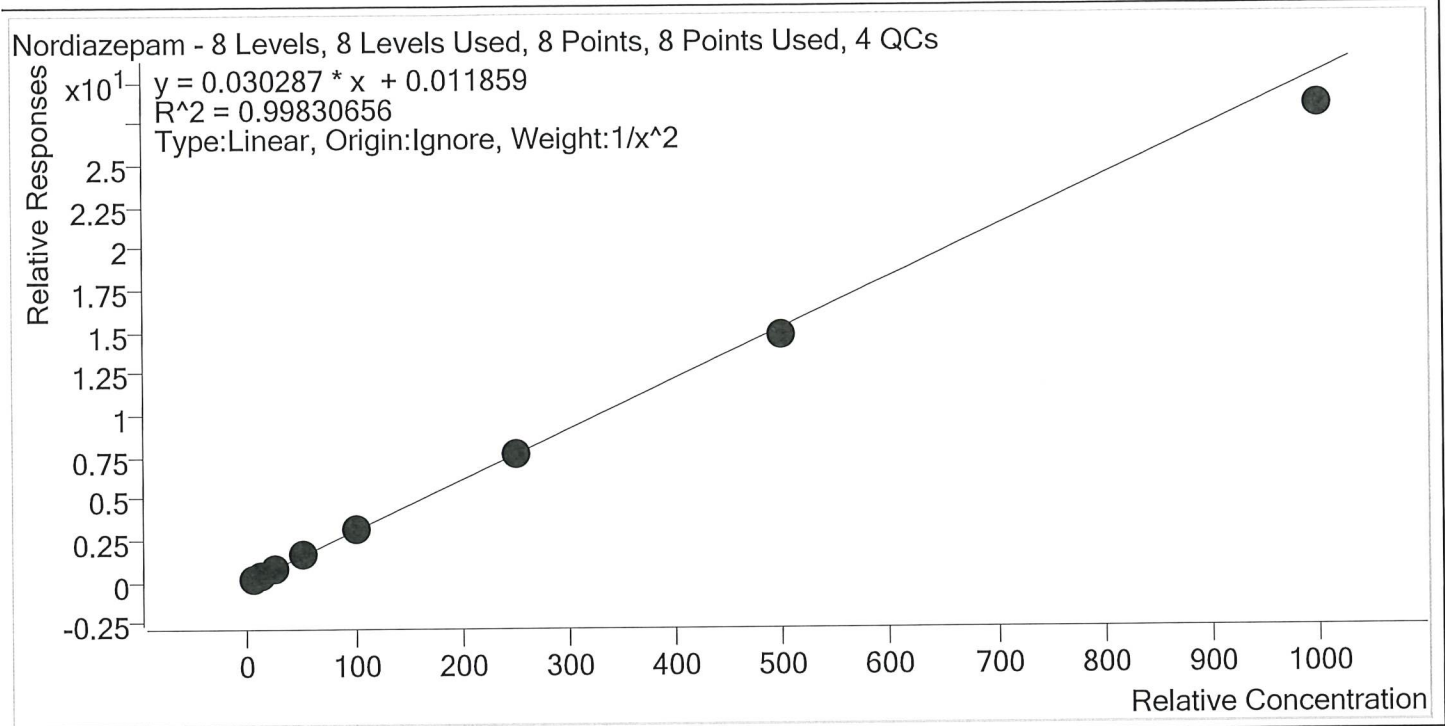
Nordiazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.030287 * x + 0.011859$

$R^2 = 0.99830656$

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

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.6
p1 Cal 2- 10ng	2	✓	10.0	9.9	98.7
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.6
p1 Cal 4-50ng	4	✓	50.0	52.4	104.9
p1 Cal 5-100ng	5	✓	100.0	102.3	102.3
p1 Cal 6-250ng	6	✓	250.0	253.6	101.4
p1 Cal 7-500ng	7	✓	500.0	484.5	96.9
p1 Cal 8-1000ng	8	✓	1000.0	936.7	93.7

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin

Last Cal. Update   12/1/2020 3:06 PM

Analyst Name   ISP\datastor

Analyte   Norfentanyl   **Internal Standard**   Norfentanyl-D5

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

$y = 0.019844 * x + 0.001014$

$R^2 = 0.98804791$

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	95.6
p1 Cal 2- 10ng	2	✓	1.0	1.0	103.8
p1 Cal 3 -25ng	3	✓	2.5	2.7	108.3
p1 Cal 4-50ng	4	✓	5.0	5.4	108.0
p1 Cal 5-100ng	5	✓	10.0	10.5	104.7
p1 Cal 6-250ng	6	✓	25.0	24.4	97.5
p1 Cal 7-500ng	7	✓	50.0	41.0	82.0
p1 Cal 8-1000ng	8	✗	100.0	68.2	68.2

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin

Last Cal. Update 12/1/2020 3:06 PM

Analyst Name   ISP\datastor

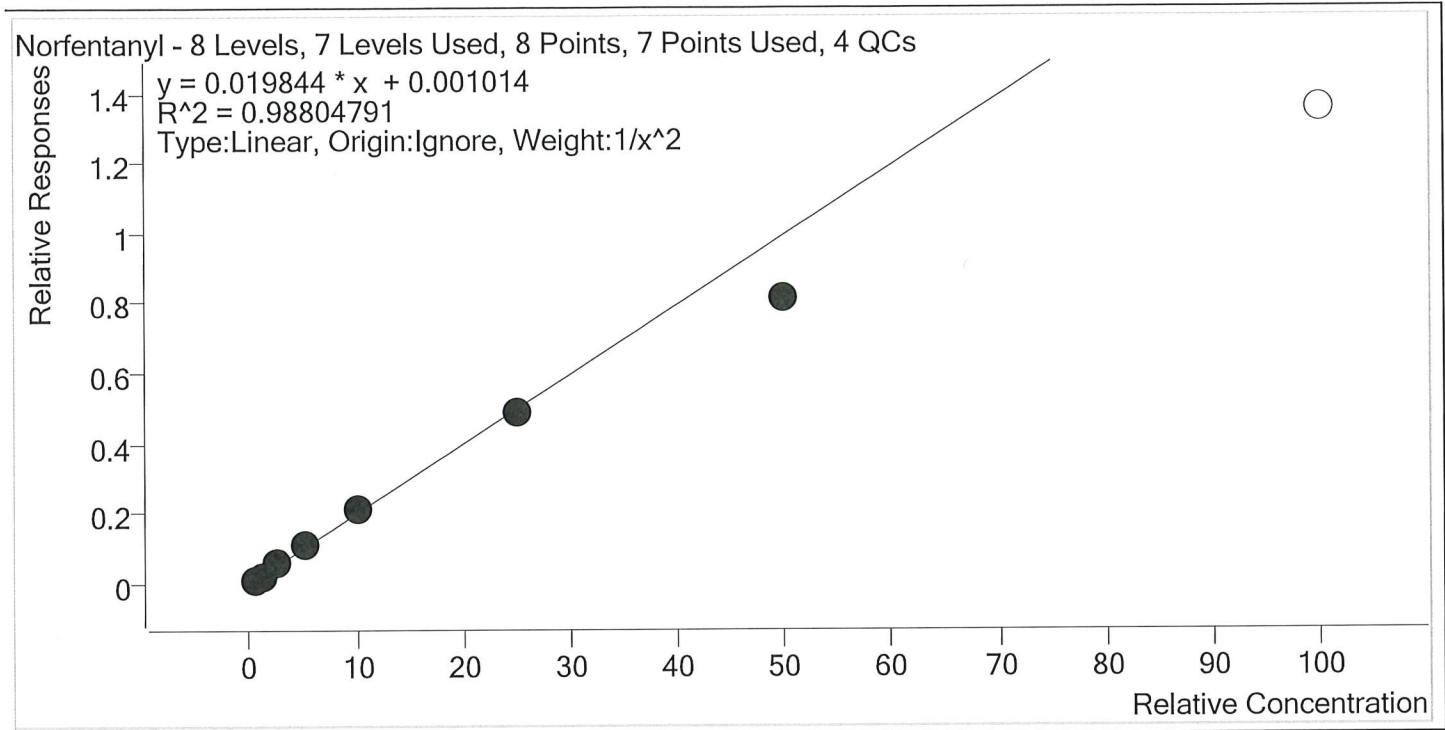**Analyte**   Norhydrocodone   **Internal Standard**   Norhydrocodone-D3

Norhydrocodone - 8 Levels, 6 Levels Used, 8 Points, 6 Points Used, 4 QCs
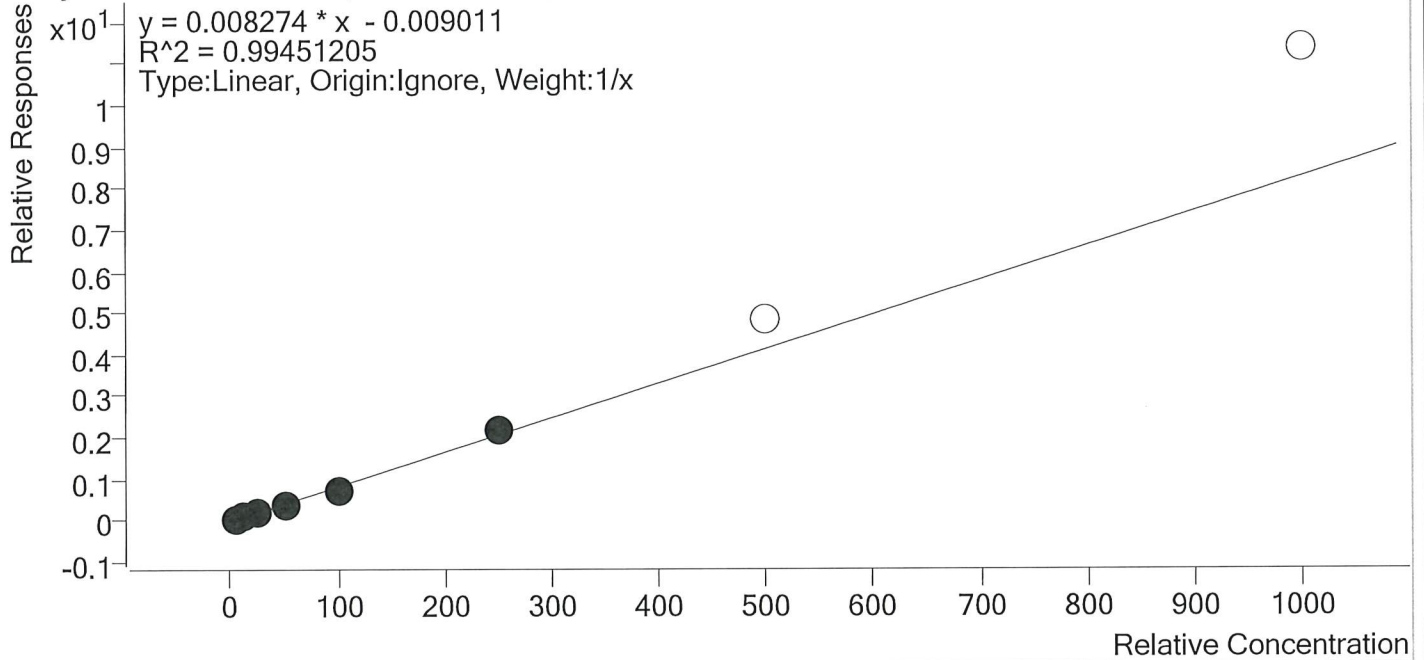
$y = 0.008274 * x - 0.009011$

$R^2 = 0.99451205$

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

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.9	117.1
p1 Cal 2- 10ng	2	✓	10.0	9.6	96.0
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.7
p1 Cal 4-50ng	4	✓	50.0	46.0	92.0
p1 Cal 5-100ng	5	✓	100.0	91.2	91.2
p1 Cal 6-250ng	6	✓	250.0	262.7	105.1
p1 Cal 7-500ng	7	✗	500.0	585.8	117.2
p1 Cal 8-1000ng	8	✗	1000.0	1374.2	137.4

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin

Last Cal. Update   12/1/2020 3:06 PM

Analyst Name   ISP\datastor

Analyte   Noroxycodone   **Internal Standard**   Noroxycodone-D3

Noroxycodone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs
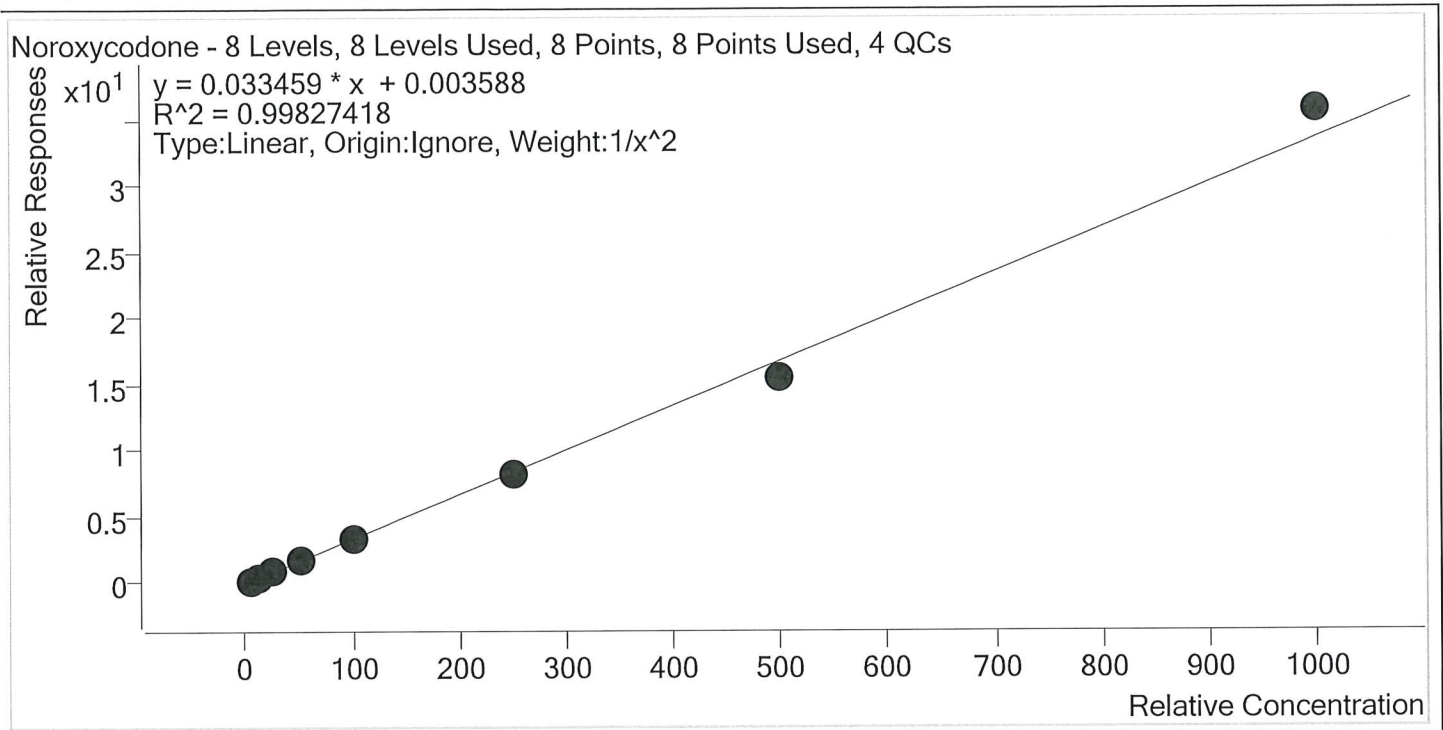
$y = 0.033459 * x + 0.003588$

$R^2 = 0.99827418$

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	99.9
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.7
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.1
p1 Cal 4-50ng	4	✓	50.0	50.2	100.5
p1 Cal 5-100ng	5	✓	100.0	100.2	100.2
p1 Cal 6-250ng	6	✓	250.0	247.1	98.8
p1 Cal 7-500ng	7	✓	500.0	466.1	93.2
p1 Cal 8-1000ng	8	✓	1000.0	1064.9	106.5

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin
Last Cal. Update	12/1/2020 3:06 PM
Analyst Name	ISP\datastor
Analyte	O-desmethyl-tramadol

Internal Standard   O-desmethyl-tramadol-D6
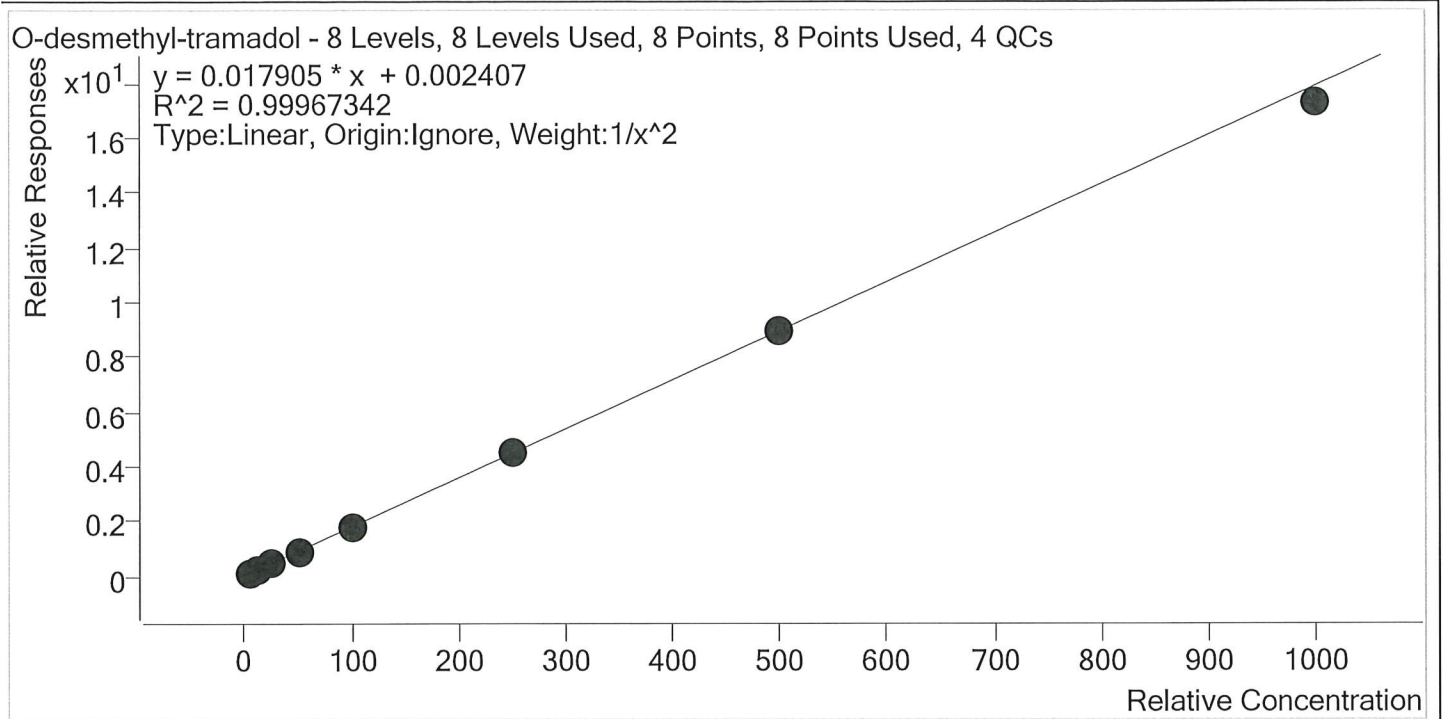
O-desmethyl-tramadol - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.017905 * x + 0.002407$
$R^2 = 0.99967342$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.0
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.7
p1 Cal 3 -25ng	3	✓	25.0	25.0	99.8
p1 Cal 4-50ng	4	✓	50.0	50.7	101.4
p1 Cal 5-100ng	5	✓	100.0	101.1	101.1
p1 Cal 6-250ng	6	✓	250.0	253.5	101.4
p1 Cal 7-500ng	7	✓	500.0	500.1	100.0
p1 Cal 8-1000ng	8	✓	1000.0	965.5	96.6

SJ

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin
Last Cal. Update	12/1/2020 3:06 PM
Analyst Name	ISP\datastor
Analyte	Oxazepam

Internal Standard Oxazepam-D5
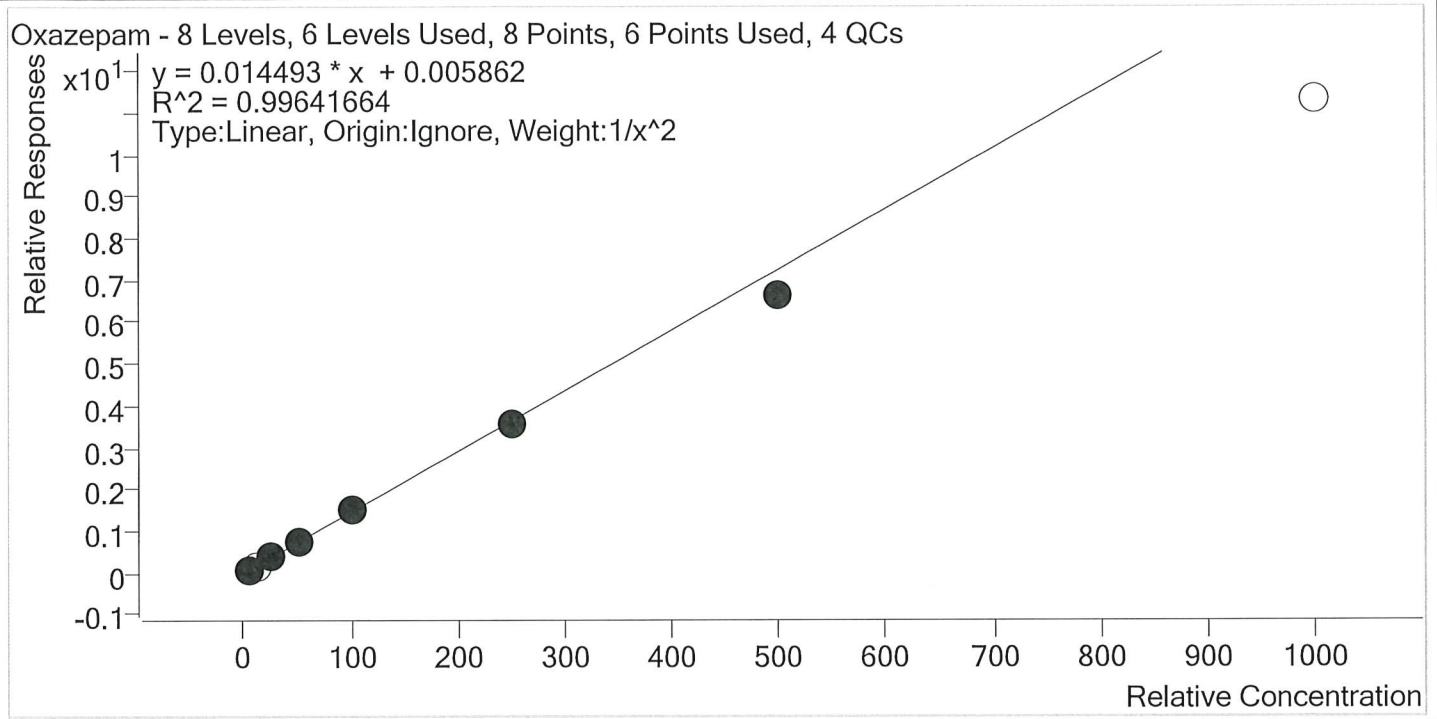
Oxazepam - 8 Levels, 6 Levels Used, 8 Points, 6 Points Used, 4 QCs

$y = 0.014493 * x + 0.005862$
$R^2 = 0.99641664$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.6
p1 Cal 2- 10ng	2	✗	10.0	10.6	106.2
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.2
p1 Cal 4-50ng	4	✓	50.0	52.5	105.1
p1 Cal 5-100ng	5	✓	100.0	104.0	104.0
p1 Cal 6-250ng	6	✓	250.0	242.6	97.0
p1 Cal 7-500ng	7	✓	500.0	455.2	91.0
p1 Cal 8-1000ng	8	✗	1000.0	780.5	78.0

Did not evaluate

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin

Last Cal. Update 12/1/2020 3:06 PM

Analyst Name ISP\datastor

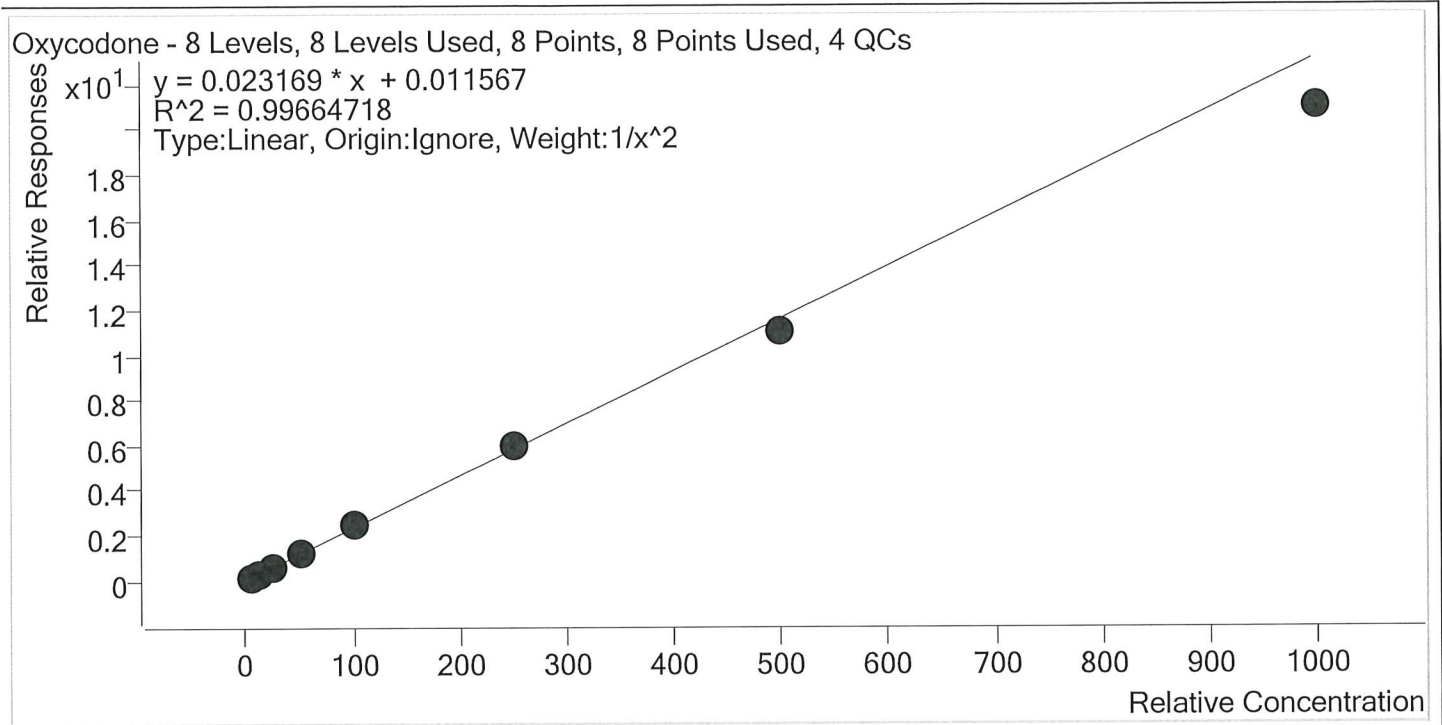**Analyte** Oxycodone   **Internal Standard** Oxycodone-D6

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

$y = 0.023169 * x + 0.011567$
$R^2 = 0.99664718$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.2
p1 Cal 2- 10ng	2	✓	10.0	10.3	103.0
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.5
p1 Cal 4-50ng	4	✓	50.0	52.5	105.0
p1 Cal 5-100ng	5	✓	100.0	103.6	103.6
p1 Cal 6-250ng	6	✓	250.0	253.7	101.5
p1 Cal 7-500ng	7	✓	500.0	478.5	95.7
p1 Cal 8-1000ng	8	✓	1000.0	905.4	90.5

Generated at 3:07 PM on 12/1/2020

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin
Last Cal. Update	12/1/2020 3:06 PM
Analyst Name	ISP\datastor
Analyte	Oxymorphone **Internal Standard** Oxymorphone-D3

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

$y = 0.031361 * x + 0.014579$
$R^2 = 0.99842159$
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	99.0
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.3
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.0
p1 Cal 4-50ng	4	✓	50.0	51.8	103.5
p1 Cal 5-100ng	5	✓	100.0	101.2	101.2
p1 Cal 6-250ng	6	✓	250.0	254.8	101.9
p1 Cal 7-500ng	7	✓	500.0	499.1	99.8
p1 Cal 8-1000ng	8	✓	1000.0	922.0	92.2

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin
Last Cal. Update   12/1/2020 3:06 PM
Analyst Name   ISP\datastor
Analyte   Phentermine   **Internal Standard**   Phentermine-D5
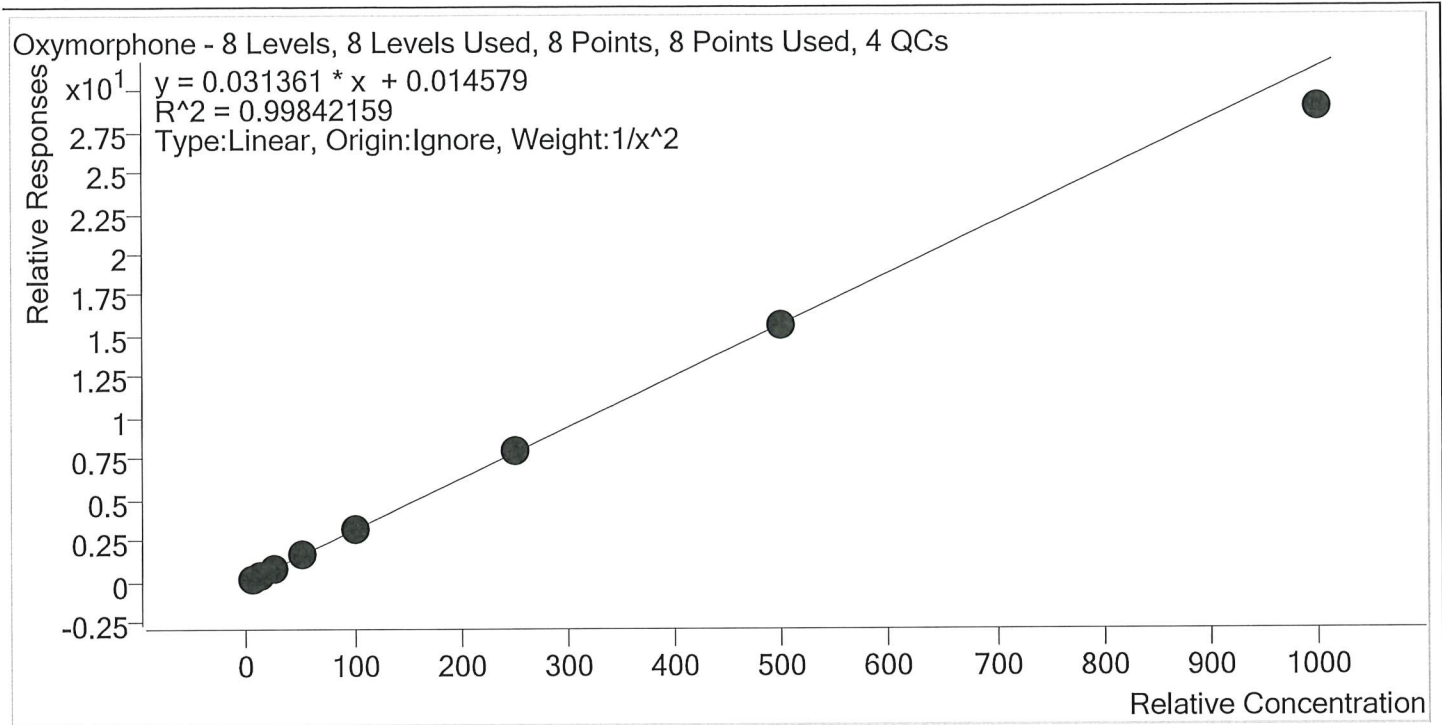
Phentermine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.006865 * x + 0.004428$
$R^2 = 0.99046721$
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	102.8
p1 Cal 3 -25ng	3	✓	25.0	26.7	106.7
p1 Cal 4-50ng	4	✓	50.0	54.7	109.3
p1 Cal 5-100ng	5	✓	100.0	105.9	105.9
p1 Cal 6-250ng	6	✓	250.0	255.5	102.2
p1 Cal 7-500ng	7	✓	500.0	466.7	93.3
p1 Cal 8-1000ng	8	✓	1000.0	836.1	83.6

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin

Last Cal. Update   12/1/2020 3:06 PM

Analyst Name   ISP\datastor

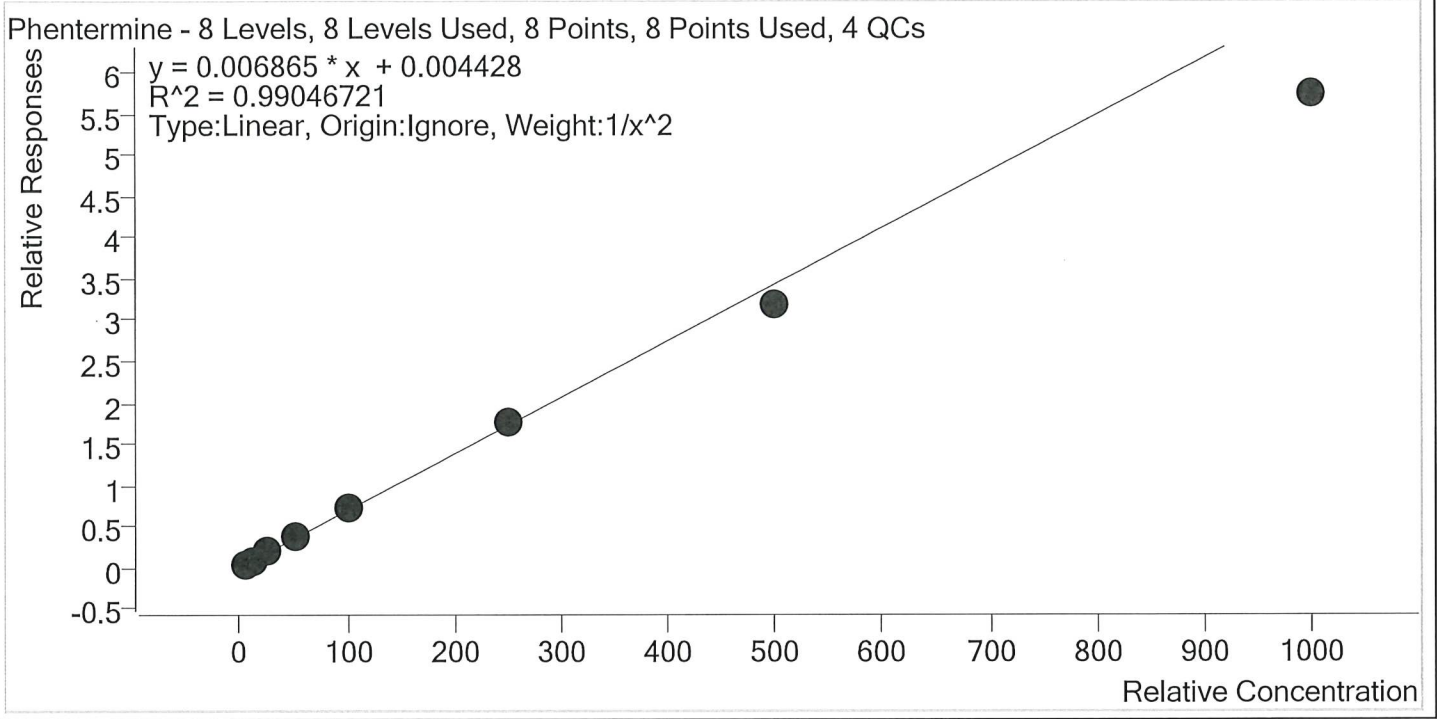**Analyte**   Promethazine   **Internal Standard**   Promethazine-D3

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

$y = 0.023416 * x + 0.001486$
$R^2 = 0.99982949$
Type:Linear, Origin:Ignore, Weight:1/x

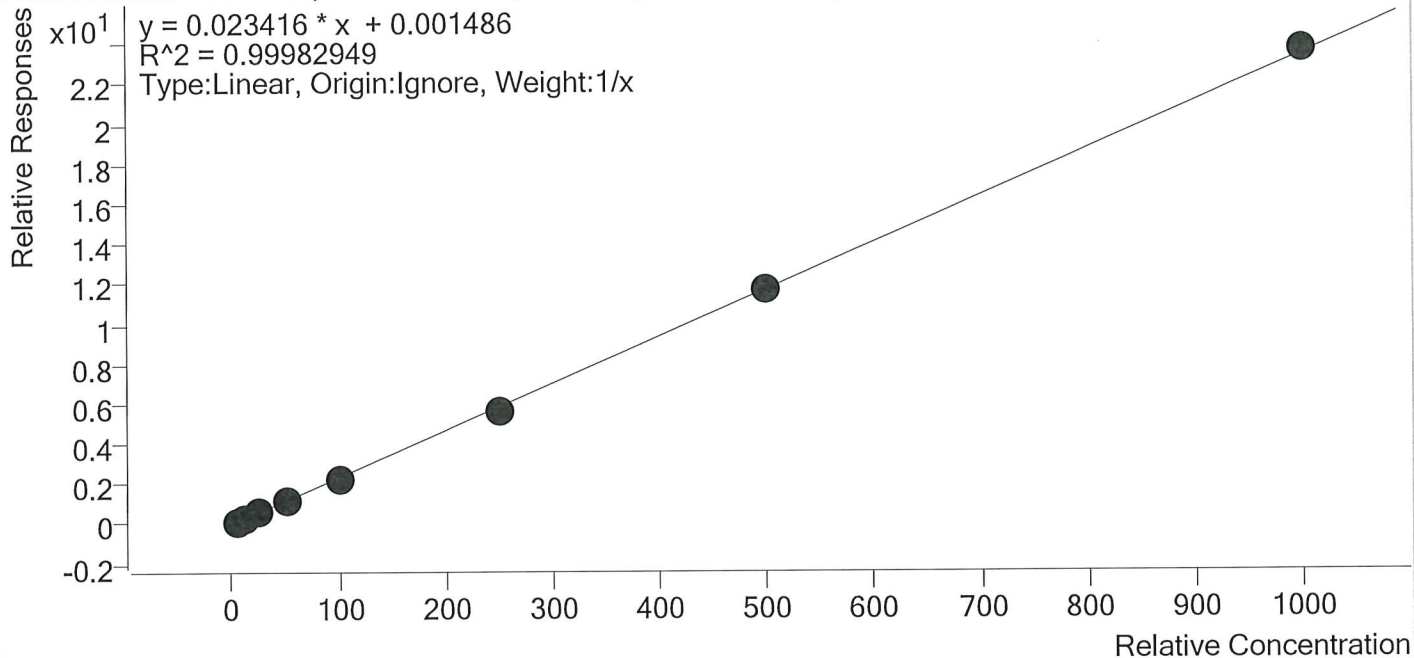| Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.6
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.7
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.8
p1 Cal 4-50ng	4	✓	50.0	50.7	101.5
p1 Cal 5-100ng	5	✓	100.0	98.6	98.6
p1 Cal 6-250ng	6	✓	250.0	243.9	97.6
p1 Cal 7-500ng	7	✓	500.0	496.6	99.3
p1 Cal 8-1000ng	8	✓	1000.0	1009.6	101.0

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin

Last Cal. Update   12/1/2020 3:06 PM

Analyst Name   ISP\datastor

Analyte   Quetiapine   **Internal Standard**   Quetiapine-D8

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

$y = 0.070018 * x + 0.048470$

$R^2 = 0.99703323$

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	10.2	102.4
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.5
p1 Cal 4-50ng	4	✓	50.0	52.4	104.8
p1 Cal 5-100ng	5	✓	100.0	101.8	101.8
p1 Cal 6-250ng	6	✓	250.0	249.6	99.8
p1 Cal 7-500ng	7	✓	500.0	454.1	90.8
p1 Cal 8-1000ng	8	✗	1000.0	765.5	76.6

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin
Last Cal. Update	12/1/2020 3:06 PM
Analyst Name	ISP\datastor
Analyte	Sertraline

Internal Standard   Sertraline-D3

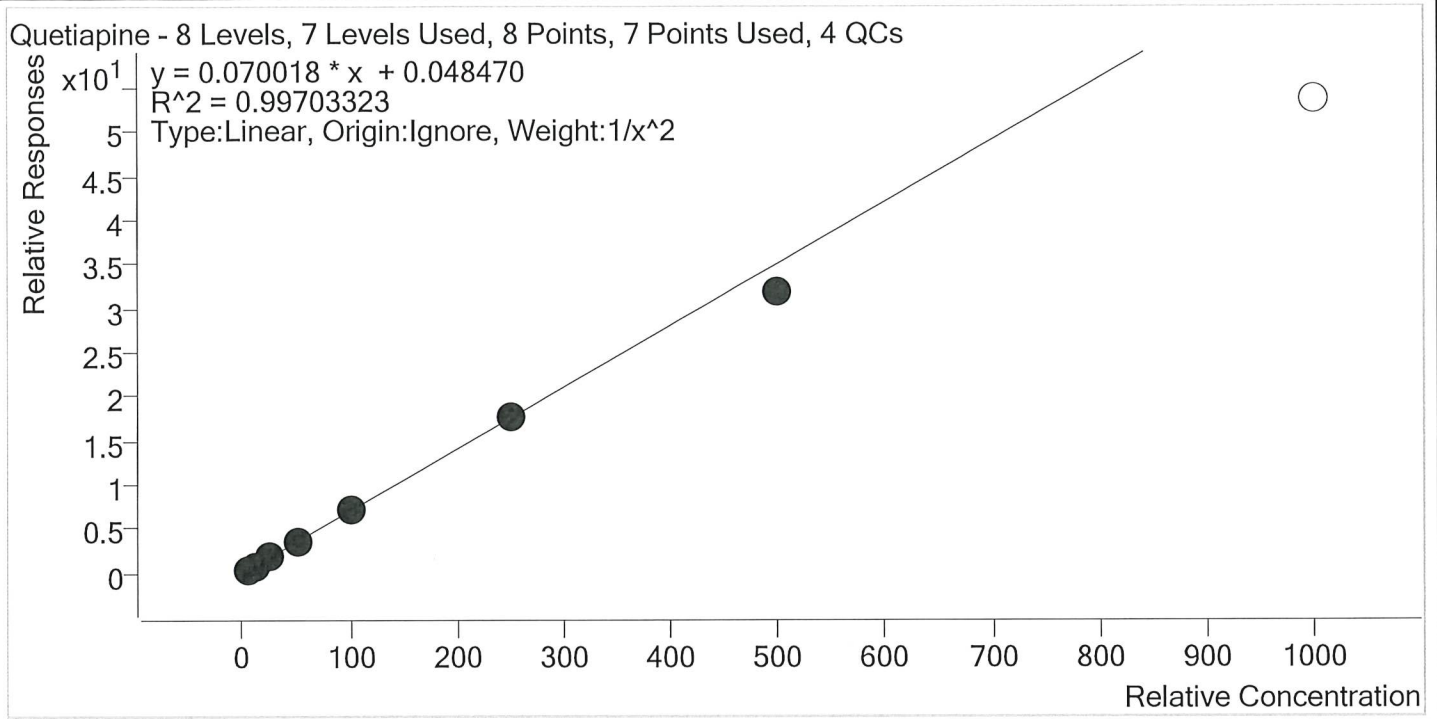Sertraline - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.023913 * x - 0.002787$
$R^2 = 0.99991727$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	106.2
p1 Cal 2- 10ng	2	✓	10.0	9.8	97.9
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.6
p1 Cal 4-50ng	4	✓	50.0	49.6	99.1
p1 Cal 5-100ng	5	✓	100.0	96.9	96.9
p1 Cal 6-250ng	6	✓	250.0	250.3	100.1
p1 Cal 7-500ng	7	✓	500.0	498.8	99.8
p1 Cal 8-1000ng	8	✓	1000.0	1004.5	100.4

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin

Last Cal. Update   12/1/2020 3:06 PM

Analyst Name   ISP\datastor

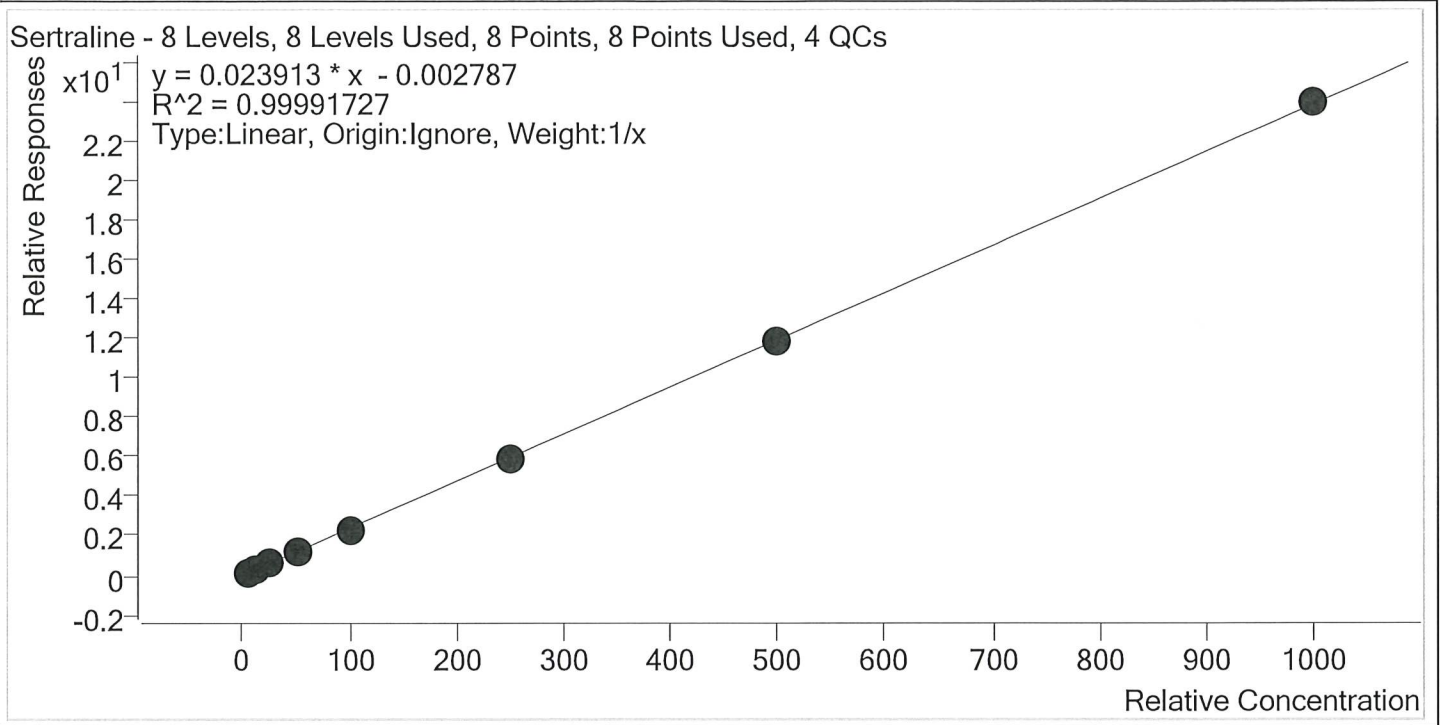**Analyte**   Temazepam   **Internal Standard**   Temazepam-D5

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

$y = 0.017435 * x + 0.003107$

$R^2 = 0.99966231$

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

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.2
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.3
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.8
p1 Cal 4-50ng	4	✓	50.0	51.0	102.0
p1 Cal 5-100ng	5	✓	100.0	100.5	100.5
p1 Cal 6-250ng	6	✓	250.0	255.6	102.2
p1 Cal 7-500ng	7	✓	500.0	489.3	97.9
p1 Cal 8-1000ng	8	✓	1000.0	981.8	98.2

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin
Last Cal. Update   12/1/2020 3:06 PM
Analyst Name   ISP\datastor

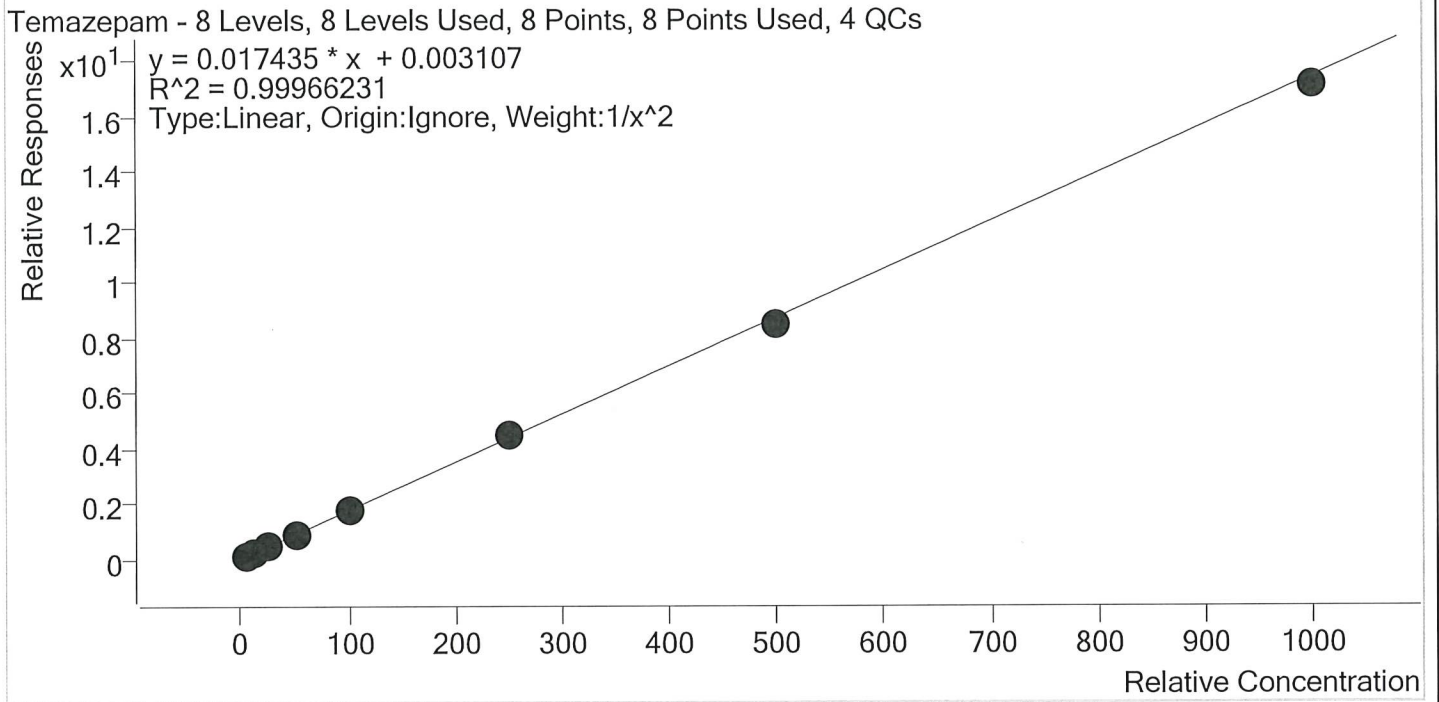**Analyte**   Tramadol   **Internal Standard**   Tramadol-13C-D3

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

$y = 0.019170 * x + 0.015598$
$R^2 = 0.99497251$
Type:Linear, Origin:Ignore, Weight:1/x^2

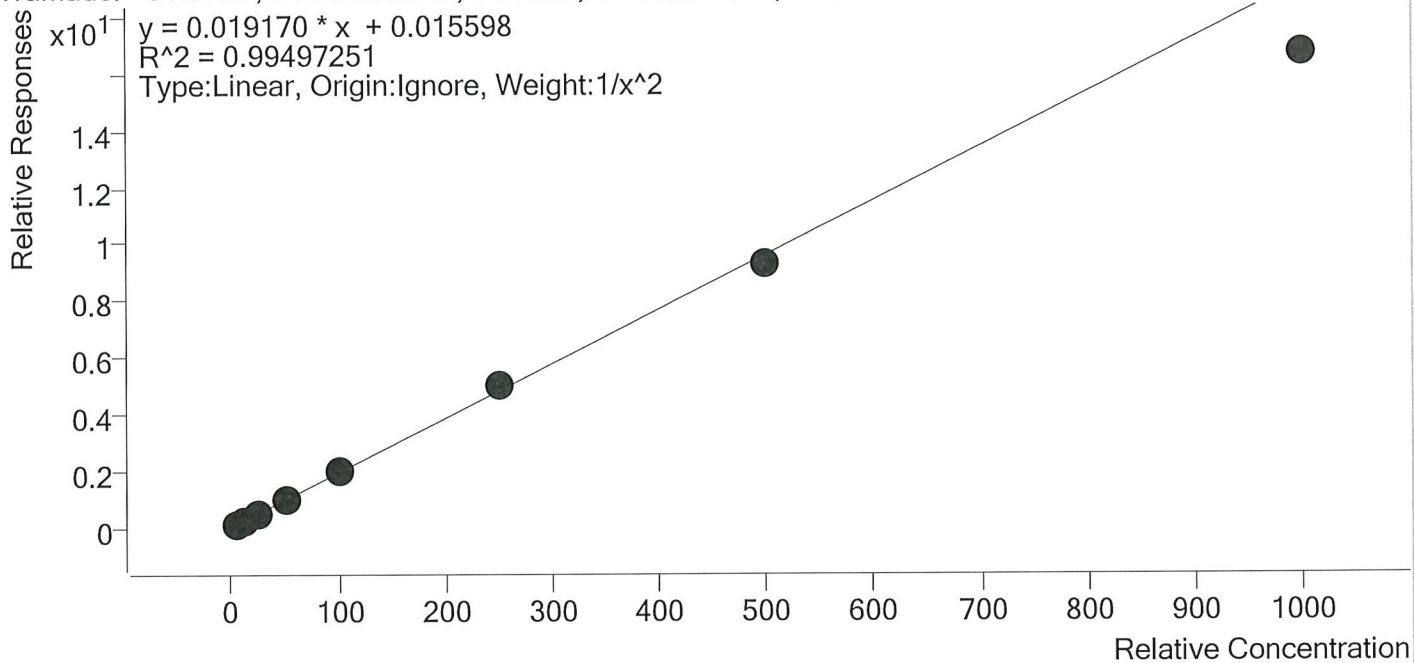| Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.1
p1 Cal 2- 10ng	2	✓	10.0	10.3	102.6
p1 Cal 3 -25ng	3	✓	25.0	26.2	105.0
p1 Cal 4-50ng	4	✓	50.0	52.5	104.9
p1 Cal 5-100ng	5	✓	100.0	102.8	102.8
p1 Cal 6-250ng	6	✓	250.0	260.0	104.0
p1 Cal 7-500ng	7	✓	500.0	482.1	96.4
p1 Cal 8-1000ng	8	✓	1000.0	871.4	87.1

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin
Last Cal. Update   12/1/2020 3:06 PM
Analyst Name   ISP\datastor

Analyte   Trazodone   **Internal Standard**   Trazodone-D6

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

$y = 0.025485 * x - 0.009531$
$R^2 = 0.99737725$
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	101.7
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.2
p1 Cal 3 -25ng	3	✓	25.0	24.0	95.9
p1 Cal 4-50ng	4	✓	50.0	48.4	96.7
p1 Cal 5-100ng	5	✓	100.0	94.9	94.9
p1 Cal 6-250ng	6	✓	250.0	249.9	100.0
p1 Cal 7-500ng	7	✓	500.0	515.9	103.2
p1 Cal 8-1000ng	8	✓	1000.0	1084.2	108.4

AM #28 Multi-Drug Quant. Calibration Curve Report

Analyte Venlafaxine   **Internal Standard**   Venlafaxine-D6

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

$y = 0.017220 * x + 0.001544$
$R^2 = 0.99990708$
Type:Linear, Origin:Ignore, Weight:1/x

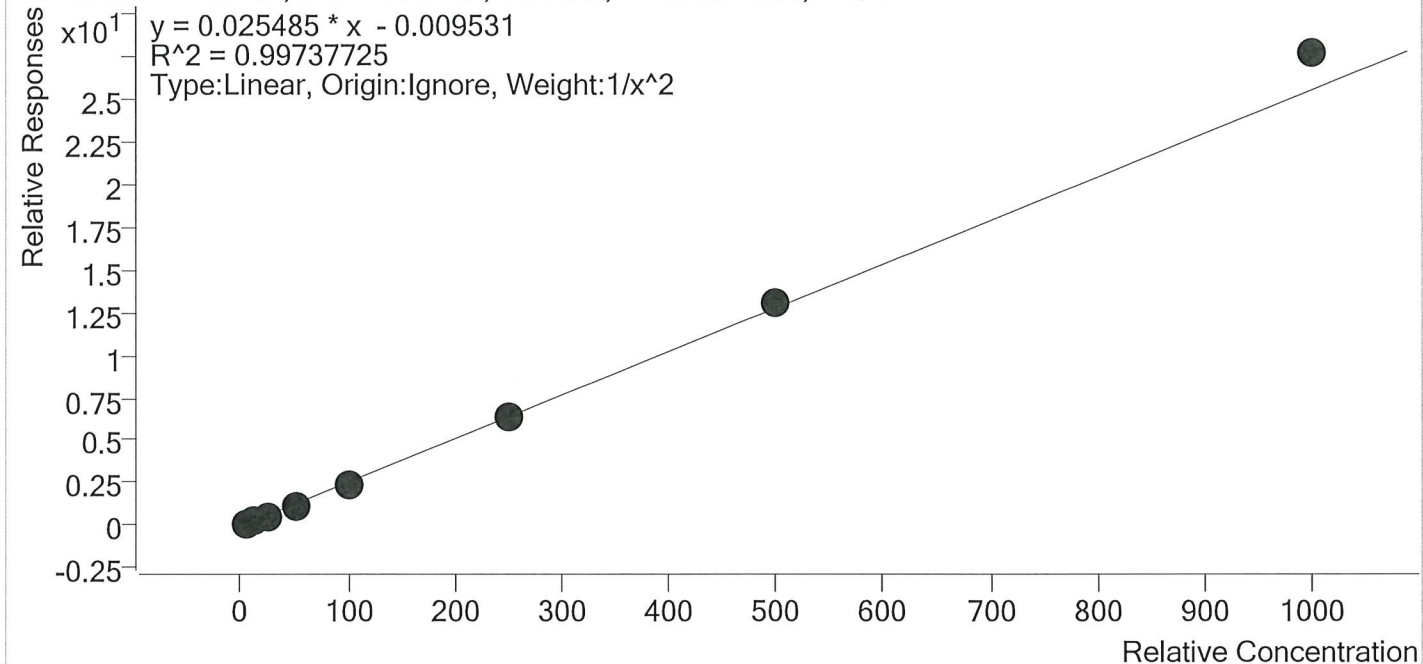| Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.2
p1 Cal 2- 10ng	2	✓	10.0	9.8	98.3
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.5
p1 Cal 4-50ng	4	✓	50.0	50.7	101.5
p1 Cal 5-100ng	5	✓	100.0	99.3	99.3
p1 Cal 6-250ng	6	✓	250.0	252.2	100.9
p1 Cal 7-500ng	7	✓	500.0	505.6	101.1
p1 Cal 8-1000ng	8	✓	1000.0	992.6	99.3

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin

Last Cal. Update   12/1/2020 3:06 PM

Analyst Name   ISP\datastor

Analyte   Zolpidem   **Internal Standard**   Zolpidem-D6

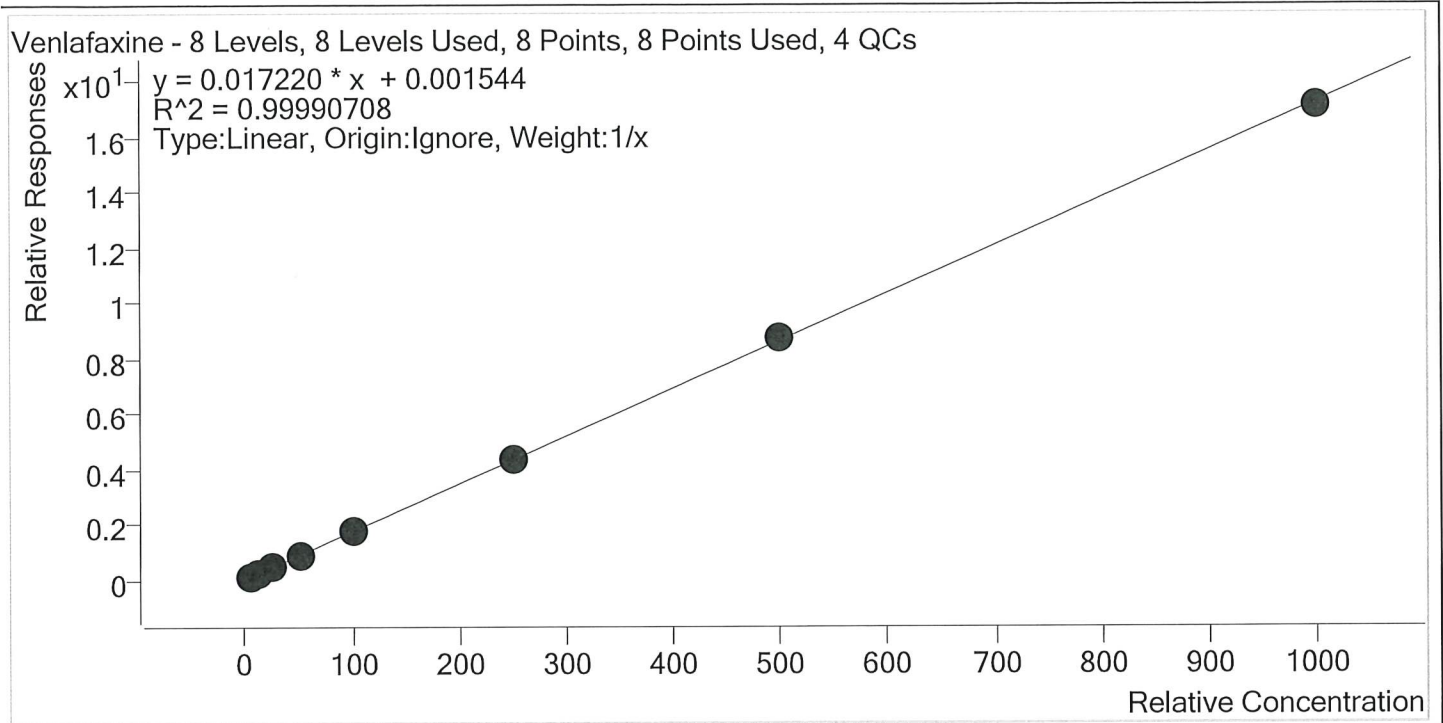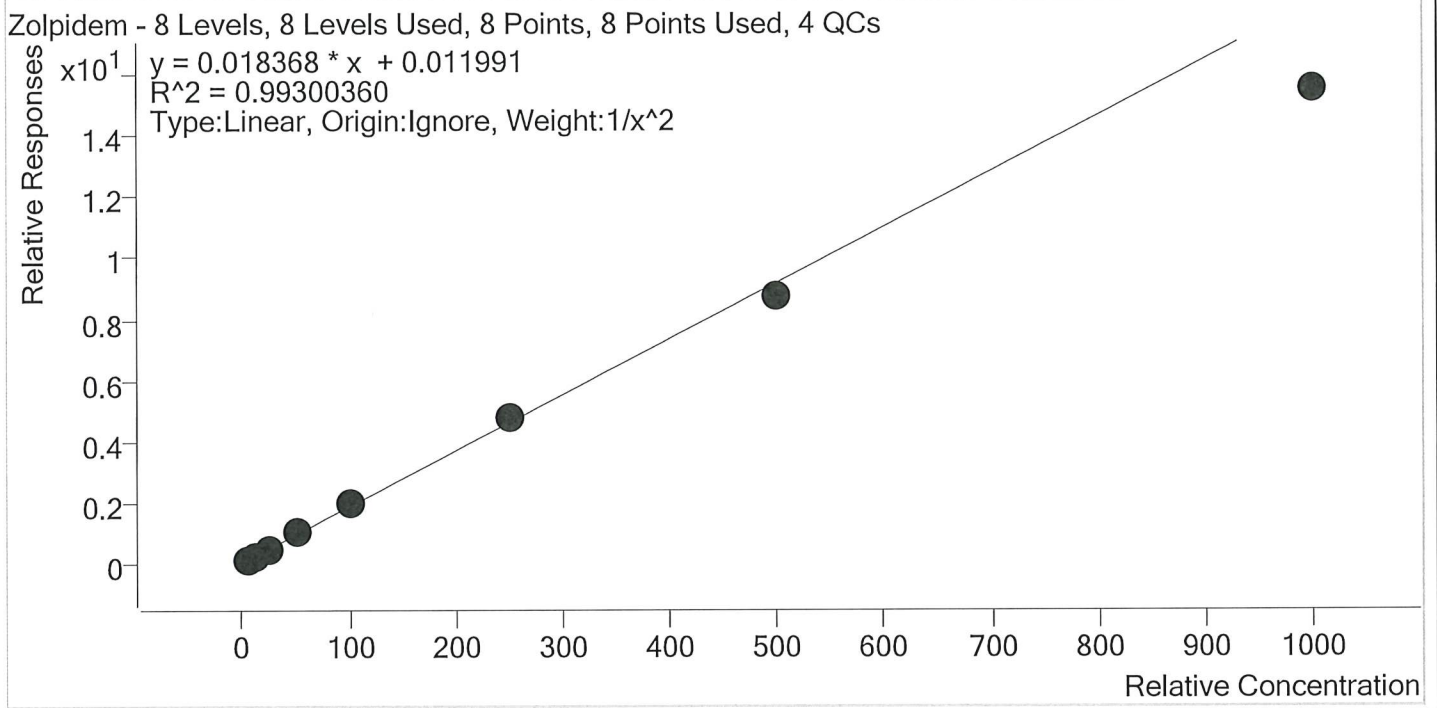Zolpidem - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.018368 * x + 0.011991$

$R^2 = 0.99300360$

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

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.2
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.2
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.4
p1 Cal 4-50ng	4	✓	50.0	53.2	106.4
p1 Cal 5-100ng	5	✓	100.0	105.7	105.7
p1 Cal 6-250ng	6	✓	250.0	259.2	103.7
p1 Cal 7-500ng	7	✓	500.0	479.7	95.9
p1 Cal 8-1000ng	8	✓	1000.0	846.2	84.6

# AM #28 Multi-Drug Quant. Results

Batch results   D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin
Calibration Last Update   12/1/2020 3:06:31 PM

Instrument	Instrument 1	**Data File**	p1 Cal 1-5ng.d
Type	Cal	**Sample**	p1 Cal 1-5ng
Acq. Method	AM 28 MDQ P1.m	**Operator**	Sophia Jackson
Sample Position	P2-A1	**Comment**	
Injection Volume	2		
Acq. Date-Time	11/25/2020 8:49:53 PM		
Sample Info.			

Sample Chromatogram

+ TIC MRM (** -> **) p1 Cal 1-5ng.d (p1 Cal 1-5ng)
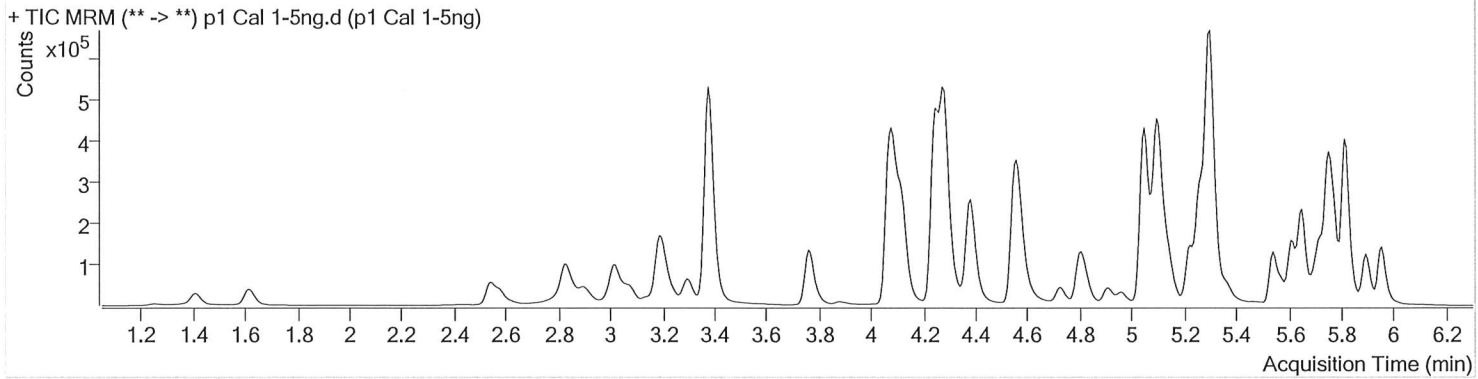
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.153	892	3839.21	79.0	2533.05	29330	0.4965 ng/ml
7-aminoclonazepam	4.298	19935	34791.08	78.8	1190.71	137370	5.0617 ng/ml
a-hydroxyalprazolam	5.701	12334	114.12	57.2	297.14	40027	4.7961 ng/ml
alpha-PHP	4.962	17329	891.81	273.0	10051.51	578107	4.9757 ng/ml
alpha-PVP	4.396	66785	3418.32	49.5	4736.95	578107	4.8100 ng/ml
Alprazolam	5.778	35500	506.82	109.1	781.96	175852	5.1815 ng/ml
Amphetamine	3.084	54783	463.81	49.5	187.15	74838	4.7935 ng/ml
Benzoylecgonine	3.905	1929	521.37	6.6	51.04	13632	5.1414 ng/ml
Buprenorphine	5.951	1065	∞	16.4	177.80	74358	0.4882 ng/ml
Bupropion	4.828	55987	142.63	63.0	513.93	305140	4.9377 ng/ml
Carisoprodol	5.727	22227	66445.73	54.1	158.26	229660	4.9766 ng/ml
Citalopram	5.224	32506	1365.52	42.7	978.11	305106	5.0461 ng/ml
Clonazepam	5.615	49063	4330.32	32.7	304.12	93812	4.9080 ng/ml
Cocaine	4.277	65097	15279.98	45.9	4890.78	842491	4.9698 ng/ml
Codeine	2.624	5802	172.16	107.1	200.12	49415	5.1634 ng/ml
Cyclobenzaprine	5.619	10267	318.62	12.0	29.76	77012	5.1036 ng/ml
Dextromethorphan	5.273	16558	∞	82.6	246.98	150252	5.0325 ng/ml
Dextrorphan	4.124	14056	∞	200.0	21886.44	387487	5.3969 ng/ml
Diazepam	5.963	25765	399.21	85.8	∞	244365	4.9703 ng/ml
Dihydrocodeine	2.575	14971	836.92	68.2	310.58	148530	4.8960 ng/ml
Diphenhydramine	5.301	67698	444.01	32.7	2983.87	1138775	5.1498 ng/ml
Doxylamine	4.568	115627	6839.45	100.1	∞	934915	4.9320 ng/ml
EDDP	5.265	40676	488.66	43.7	2142.25	465470	4.9970 ng/ml
Fentanyl	5.155	1675	71.81	57.3	454.15	157398	0.5166 ng/ml
Fluoxetine	5.703	9773	1576.69	8.2	∞	81864	4.9622 ng/ml
Hydrocodone	3.047	17559	∞	39.9	253.35	219031	4.8237 ng/ml
Hydromorphone	1.628	14839	159.66	75.1	418.16	93836	4.9301 ng/ml
Ketamine	4.105	55445	593.77	35.7	135.98	458764	4.8430 ng/ml
Lamotrigine	4.320	4209	231.57	84.2	285.76	458764	4.8628 ng/ml
Lorazepam	5.749	47526	366.01	54.1	183.63	93812	4.6343 ng/ml
MDA	3.211	72844	2975.19	17.3	411.16	219757	4.7536 ng/ml
MDMA	3.304	53153	∞	56.9	1301.60	85290	4.9065 ng/ml
Meprobamate	4.930	9113	18883.97	28.5	161.28	92320	4.9364 ng/ml

AM #28 Multi-Drug Quant. Results

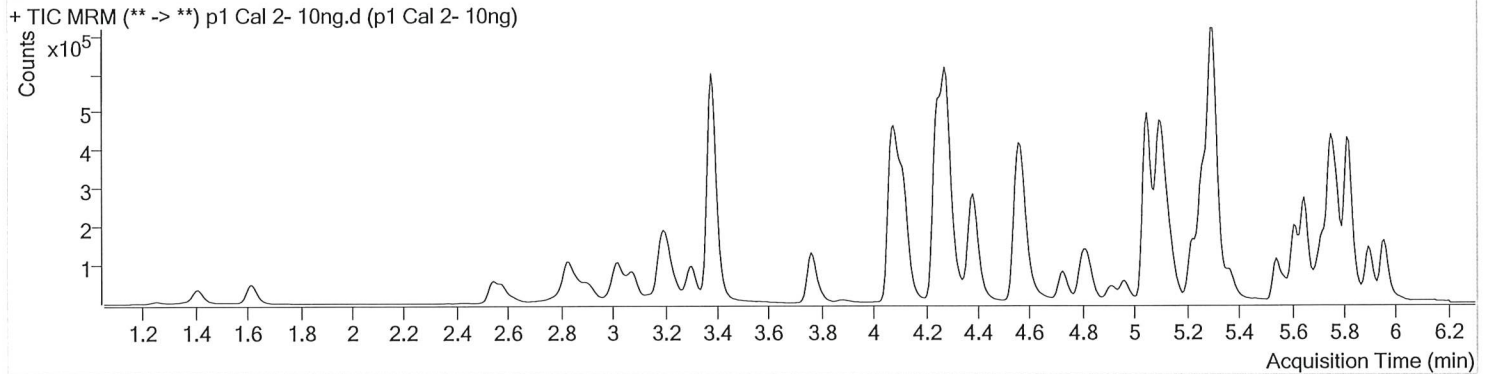| Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.649	48015	2894.97	48.3	520.69	386280	5.0857 ng/ml
Methamphetamine	3.245	23248	60.10	40.8	16.61	223890	4.7905 ng/ml
Metoprolol	4.332	10029	604.14	91.9	903.48	1078375	4.8226 ng/ml
Mirtazapine	4.724	64494	3465.73	55.3	10196.84	578107	5.0889 ng/ml
Mitragynine	5.288	6289	73.54	40.2	4705.21	386280	5.1315 ng/ml
Morphine	1.266	2390	207.40	42.7	119.10	7185	4.9383 ng/ml
Norbuprenorphine	4.998	92	110.91	105.1 **High**	136.42	5996	0.4009 ng/ml
Nordiazepam	5.903	23653	3649.99	53.2	2013.25	145422	4.9788 ng/ml
Norfentanyl	4.092	8929	491.40	41.0	81.42	850206	0.4782 ng/ml
Norhydrocodone	3.075	1160	197.66	41.0	∞	29410	5.8548 ng/ml
Noroxycodone	2.918	17756	259.47	47.2	127.97	103984	4.9962 ng/ml
O-desmethyl-tramadol	3.383	112261	532.83	7.0	744.39	1221549	4.9982 ng/ml
Oxazepam	5.759	42083	321.43	71.8	198.34	544342	4.9296 ng/ml
Oxycodone	2.857	40364	654.56	28.5	374.80	325100	4.8595 ng/ml
Oxymorphone	1.417	13177	725.25	44.5	274.71	77560	4.9525 ng/ml
Phentermine	3.797	13185	∞	2.5	41.04	352327	4.8062 ng/ml
Promethazine	5.542	29483	2807.83	29.1	222.70	249605	4.9809 ng/ml
Quetiapine	5.600	32346	4002.32	54.7	∞	82746	4.8906 ng/ml
Sertraline	5.772	4776	246.23	89.9	12516.25	38450	5.3110 ng/ml
Temazepam	5.819	67787	1158.80	32.4	63.93	749627	5.0085 ng/ml
Tramadol	4.259	117168	4840.94	3.5	116.47	1078375	4.8541 ng/ml
Trazodone	5.364	38899	122194.96	82.2	∞	323906	5.0863 ng/ml
Venlafaxine	5.048	87340	347.38	35.5	106.04	985014	5.0596 ng/ml
Zolpidem	5.122	108355	15984.47	33.5	48685.60	1070490	4.8579 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin
Calibration Last Update 12/1/2020 3:06:31 PM

Instrument	Instrument 1	**Data File**	p1 Cal 2- 10ng.d
Type	Cal	**Sample**	p1 Cal 2- 10ng
Acq. Method	AM 28 MDQ P1.m	**Operator**	Sophia Jackson
Sample Position	P2-B1	**Comment**	
Injection Volume	2		
Acq. Date-Time	11/25/2020 9:00:39 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	3.153	1883	433.93	75.3	5622.48	30822	1.0035 ng/ml
7-aminoclonazepam	4.298	44949	236.60	76.2	53001.55	153608	9.9952 ng/ml
a-hydroxyalprazolam	5.701	23333	612.08	57.7	4658.57	37043	10.5713 ng/ml
alpha-PHP	4.962	34332	8894.17	277.0	∞	583314	9.9891 ng/ml
alpha-PVP	4.396	130062	23288.50	49.4	644.88	583314	9.8199 ng/ml
Alprazolam	5.778	68713	307.16	106.0	313.99	169506	10.0280 ng/ml
Amphetamine	3.084	110213	1244.44	49.9	398.96	79353	10.2705 ng/ml
Benzoylecgonine	3.905	3475	743.12	8.0	54.67	13371	9.7173 ng/ml
Buprenorphine	5.951	2003	86.12	15.5	∞	74409	1.0017 ng/ml
Bupropion	4.828	105806	14446.66	62.9	208.80	291079	10.1215 ng/ml
Carisoprodol	5.727	42582	169458.20	56.4	208.95	225860	9.9380 ng/ml
Citalopram	5.224	65926	2287.75	43.4	485.74	311726	9.9637 ng/ml
Clonazepam	5.615	96147	309.52	33.1	337.76	92209	10.1503 ng/ml
Cocaine	4.277	130690	243007.62	44.9	1363.15	855079	9.9511 ng/ml
Codeine	2.617	11658	92.15	103.3	16584.15	50215	9.6973 ng/ml
Cyclobenzaprine	5.619	16087	1252.04	12.3	34.96	61752	9.7529 ng/ml
Dextromethorphan	5.273	32445	316.75	83.6	932.21	149482	9.9764 ng/ml
Dextrorphan	4.117	29143	1209.61	200.8	2442.29	405728	10.1830 ng/ml
Diazepam	5.963	47671	987.75	87.3	544.99	232833	10.0226 ng/ml
Dihydrocodeine	2.575	30439	∞	68.4	521.61	153213	10.1107 ng/ml
Diphenhydramine	5.301	136772	4746.08	32.7	2334.51	1152460	10.1569 ng/ml
Doxylamine	4.568	236927	15075.08	101.1	15933.31	969719	10.0859 ng/ml
EDDP	5.265	89173	845.95	42.1	6100.40	516912	9.9559 ng/ml
Fentanyl	5.155	3215	108.80	58.4	∞	151052	0.9820 ng/ml
Fluoxetine	5.703	13367	1164.80	8.3	75.30	55186	10.1295 ng/ml
Hydrocodone	3.047	35832	108.82	41.3	81.57	231009	10.3531 ng/ml
Hydromorphone	1.628	30350	404.96	76.3	273.20	97895	9.9707 ng/ml
Ketamine	4.105	108299	362.49	36.5	1064.90	459232	10.2703 ng/ml
Lamotrigine	4.320	8704	1215.08	88.0	979.63	459232	10.3557 ng/ml
Lorazepam	5.749	89238	282.42	62.2	∞	92209	9.8770 ng/ml
MDA	3.211	147343	3423.63	17.6	1497.36	227317	10.4217 ng/ml
MDMA	3.304	109371	21238.28	57.6	4275.84	87731	10.2149 ng/ml
Meprobamate	4.930	17992	2121.23	29.0	452.77	92032	10.0660 ng/ml

AM #28 Multi-Drug Quant. Results

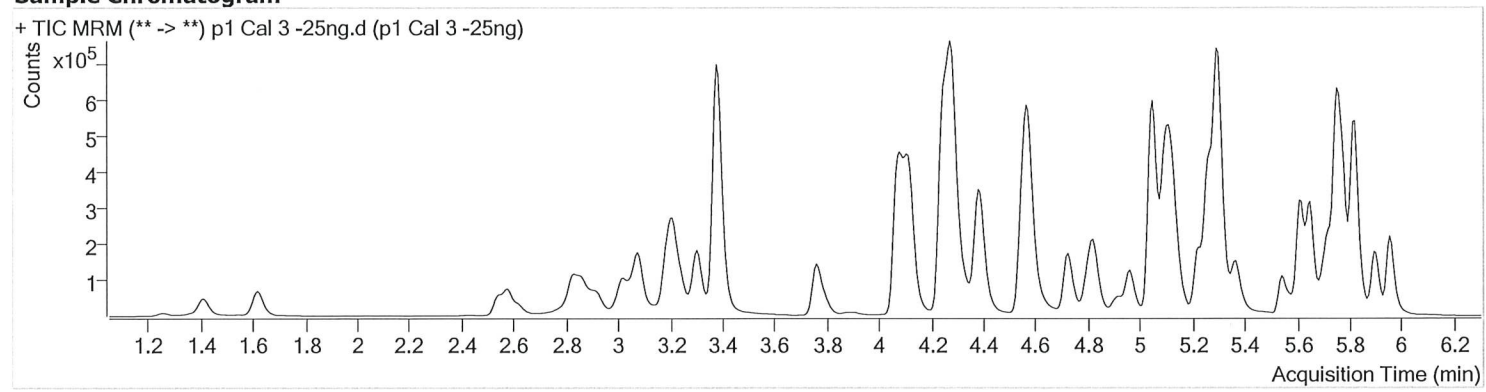| Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.649	91418	5151.63	51.6	387.80	391766	9.6412 ng/ml
Methamphetamine	3.245	42598	335.65	41.7	71.81	223662	10.6239 ng/ml
Metoprolol	4.332	20854	898.32	92.2	794.68	1112312	10.4965 ng/ml
Mirtazapine	4.724	131626	4624.70	54.8	39903.98	583314	9.8831 ng/ml
Mitragynine	5.288	11550	179.72	42.0	14826.06	391766	9.2992 ng/ml
Morphine	1.260	4736	299.16	41.5	∞	7299	10.0201 ng/ml
Norbuprenorphine	5.004	156	582.08	98.1 **High**	80.67	6177	0.7768 ng/ml
Nordiazepam	5.903	43641	711.41	56.1	898.10	140455	9.8675 ng/ml
Norfentanyl	4.092	20216	7730.59	37.2	297.27	935536	1.0379 ng/ml
Norhydrocodone	3.075	2162	288.34	42.7	165.80	30718	9.5956 ng/ml
Noroxycodone	2.925	37459	368.93	47.2	227.07	111096	9.9701 ng/ml
O-desmethyl-tramadol	3.383	229528	26372.88	6.7	1548.13	1268347	9.9726 ng/ml
Oxazepam	5.759	84888	104.30	119.2 **High**	∞	531071	10.6242 ng/ml
Oxycodone	2.863	85415	2343.88	27.3	754.48	341452	10.2975 ng/ml
Oxymorphone	1.417	26746	632.31	43.8	750.94	81282	10.0274 ng/ml
Phentermine	3.797	25663	321.54	2.4	18.05	342138	10.2816 ng/ml
Promethazine	5.542	45874	1866.54	27.6	78.82	193417	10.0652 ng/ml
Quetiapine	5.600	64576	5987.56	56.5	1929.58	84343	10.2426 ng/ml
Sertraline	5.772	5430	79.16	99.2	306.56	23481	9.7877 ng/ml
Temazepam	5.819	126491	503.37	30.9	53.80	717964	9.9270 ng/ml
Tramadol	4.259	236154	16572.09	3.6	347.40	1112312	10.2614 ng/ml
Trazodone	5.364	79851	7673.87	80.2	2023.29	328130	9.9226 ng/ml
Venlafaxine	5.048	176005	1293.60	35.0	257.28	1030702	9.8270 ng/ml
Zolpidem	5.122	217794	61552.52	33.7	∞	1090828	10.2172 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results   D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin
Calibration Last Update   12/1/2020 3:06:31 PM

Instrument	Instrument 1	**Data File**	p1 Cal 3 -25ng.d
Type	Cal	**Sample**	p1 Cal 3 -25ng
Acq. Method	AM 28 MDQ P1.m	**Operator**	Sophia Jackson
Sample Position	P2-C1	**Comment**	
Injection Volume	2		
Acq. Date-Time	11/25/2020 9:11:15 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	3.153	4492	2686.71	74.4	6878.72	29035	2.5498 ng/ml
7-aminoclonazepam	4.298	98197	16280.10	76.6	∞	139064	23.8254 ng/ml
a-hydroxyalprazolam	5.701	57326	1621.51	59.9	1290.50	38925	25.6998 ng/ml
alpha-PHP	4.962	79529	20214.57	271.6	44210.53	541388	25.2727 ng/ml
alpha-PVP	4.396	294736	12093.90	49.7	10985.46	541388	24.8074 ng/ml
Alprazolam	5.778	167999	2966.56	106.4	1746.13	166393	24.4198 ng/ml
Amphetamine	3.078	268476	1768.47	50.2	1441.97	78318	27.2730 ng/ml
Benzoylecgonine	3.905	8053	2890.40	7.5	92.04	12897	23.8113 ng/ml
Buprenorphine	5.951	4459	363.93	15.6	136.08	65302	2.6877 ng/ml
Bupropion	4.828	244179	649.62	62.7	2803.86	274666	25.2542 ng/ml
Carisoprodol	5.727	104450	300730.11	55.2	787.67	219791	25.4404 ng/ml
Citalopram	5.224	139109	13152.37	42.6	265148.30	262514	24.8840 ng/ml
Clonazepam	5.615	234472	22907.24	33.2	7179.70	90013	25.9076 ng/ml
Cocaine	4.277	307037	39945.77	44.9	791.84	801833	25.1167 ng/ml
Codeine	2.617	27684	984.19	101.4	2740.38	47831	23.3938 ng/ml
Cyclobenzaprine	5.619	31007	161.83	11.4	64.15	46840	24.4280 ng/ml
Dextromethorphan	5.273	65576	738.17	83.3	220.74	123964	24.4092 ng/ml
Dextrorphan	4.117	66325	23165.00	200.4	974.13	373718	24.4040 ng/ml
Diazepam	5.963	119422	3235.61	87.4	622.57	237535	25.1840 ng/ml
Dihydrocodeine	2.575	73104	158.06	68.2	101.62	146835	26.0506 ng/ml
Diphenhydramine	5.301	283249	361.07	33.2	122.72	977190	24.6280 ng/ml
Doxylamine	4.568	555707	173370.95	99.5	62909.36	923303	25.3595 ng/ml
EDDP	5.259	217066	14229.54	43.5	6634.87	500050	25.1941 ng/ml
Fentanyl	5.155	6349	58.37	60.9	∞	124393	2.2834 ng/ml
Fluoxetine	5.703	23216	1669.27	8.4	1195.62	39027	24.9648 ng/ml
Hydrocodone	3.047	80856	182.00	41.1	323.85	219964	26.0290 ng/ml
Hydromorphone	1.628	69810	∞	75.4	∞	86807	26.3703 ng/ml
Ketamine	4.105	243811	∞	36.9	458.55	419871	26.5498 ng/ml
Lamotrigine	4.313	19256	4024.63	86.2	36330.40	419871	25.4683 ng/ml
Lorazepam	5.749	217106	1389.86	54.5	1995.19	90013	26.2951 ng/ml
MDA	3.211	336946	3874.30	17.5	2931.85	214514	26.9327 ng/ml
MDMA	3.304	251609	139148.91	58.3	7265.39	82313	25.6264 ng/ml
Meprobamate	4.930	43551	102824.40	27.6	395.09	89018	25.6338 ng/ml

AM #28 Multi-Drug Quant. Results

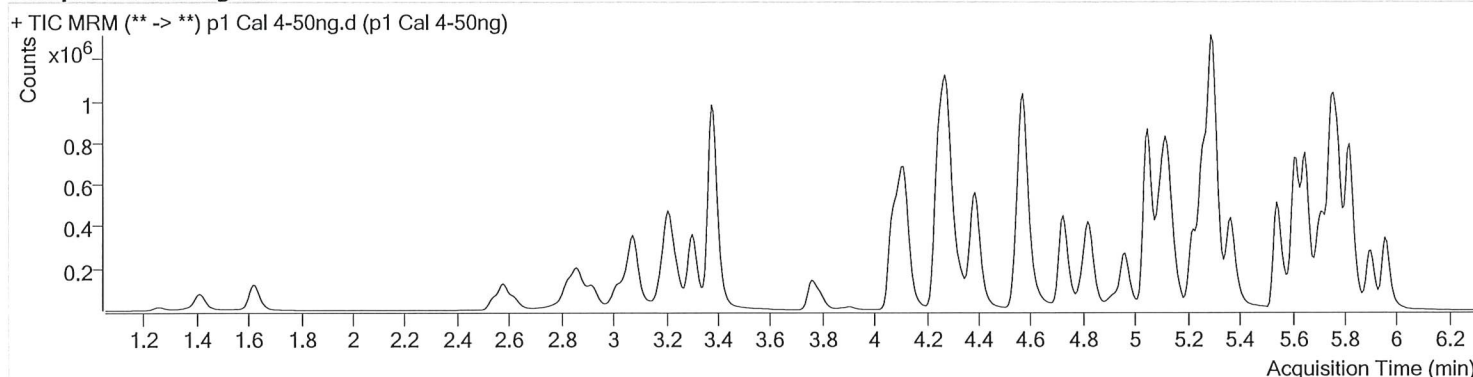| Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.649	190358	1186.50	49.0	4015.58	318101	24.8922 ng/ml
Methamphetamine	3.245	105671	270.59	42.5	298.73	256923	25.4958 ng/ml
Metoprolol	4.332	47881	1614.04	94.1	1499.42	1095089	25.4960 ng/ml
Mirtazapine	4.724	287746	5548.51	53.7	5109.95	541388	22.7349 ng/ml
Mitragynine	5.288	24891	703.63	40.3	189.08	318101	24.6928 ng/ml
Morphine	1.260	10841	2236.74	44.8	729.53	6764	25.3495 ng/ml
Norbuprenorphine	4.991	399	198.85	77.0	605.13	5414	2.6243 ng/ml
Nordiazepam	5.903	111241	2031.23	55.7	1168.83	141055	25.6475 ng/ml
Norfentanyl	4.092	48917	7088.53	36.0	529.31	893429	2.7081 ng/ml
Norhydrocodone	3.075	5231	182.89	42.4	162.27	26817	24.6629 ng/ml
Noroxycodone	2.918	86928	517.45	45.5	491.50	102339	25.2795 ng/ml
O-desmethyl-tramadol	3.383	542656	18970.74	6.8	634.52	1208057	24.9534 ng/ml
Oxazepam	5.759	199262	1969.92	71.7	134.70	519503	26.0601 ng/ml
Oxycodone	2.863	193209	1034.91	28.0	804.75	316171	25.8757 ng/ml
Oxymorphone	1.417	59670	1629.29	44.3	540.34	73263	25.5054 ng/ml
Phentermine	3.797	69336	∞	2.3	74.00	369564	26.6852 ng/ml
Promethazine	5.542	83446	3703.37	27.7	156.86	139702	25.4453 ng/ml
Quetiapine	5.600	134252	15476.03	57.6	∞	72866	25.6217 ng/ml
Sertraline	5.772	9327	490.46	96.6	927.79	15745	24.8884 ng/ml
Temazepam	5.819	319266	21359.39	33.4	740.68	728941	24.9435 ng/ml
Tramadol	4.252	568075	18147.49	3.6	178.46	1095089	26.2466 ng/ml
Trazodone	5.364	172595	∞	80.6	21916.24	287053	23.9666 ng/ml
Venlafaxine	5.048	413953	470.33	34.8	2798.09	972912	24.6191 ng/ml
Zolpidem	5.122	516959	35288.30	33.2	15585.35	1052206	26.0956 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results   D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin
Calibration Last Update   12/1/2020 3:06:31 PM

Instrument	Instrument 1	**Data File**	p1 Cal 4-50ng.d
Type	Cal	**Sample**	p1 Cal 4-50ng
Acq. Method	AM 28 MDQ P1.m	**Operator**	Sophia Jackson
Sample Position	P2-D1	**Comment**	
Injection Volume	2		
Acq. Date-Time	11/25/2020 9:21:51 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	3.153	9742	36478.36	72.8	316.27	31445	5.1117 ng/ml
7-aminoclonazepam	4.298	219103	12509.54	76.8	15272.85	150180	49.0041 ng/ml
a-hydroxyalprazolam	5.701	117405	4670.78	60.4	3399.40	38922	53.4075 ng/ml
alpha-PHP	4.962	173771	16308.97	276.1	7145.53	581995	51.6033 ng/ml
alpha-PVP	4.389	656979	18892.96	49.5	1066.46	581995	52.0574 ng/ml
Alprazolam	5.778	346001	7251.27	107.5	4276.78	167198	49.6594 ng/ml
Amphetamine	3.078	571537	12306.33	51.4	4105.20	85240	54.5967 ng/ml
Benzoylecgonine	3.905	17754	5783.91	8.0	510.31	14106	48.3293 ng/ml
Buprenorphine	5.951	12983	910.64	14.2	∞	97289	5.3448 ng/ml
Bupropion	4.828	570456	42597.77	63.8	401.37	313737	52.0134 ng/ml
Carisoprodol	5.727	216096	1111757.92	54.8	1105.12	224044	51.8987 ng/ml
Citalopram	5.224	405580	486.33	41.3	1375.35	378811	50.2221 ng/ml
Clonazepam	5.615	463812	924.44	33.1	1134.99	89730	51.7714 ng/ml
Cocaine	4.277	644478	4556562.47	44.9	29660.77	835083	50.7465 ng/ml
Codeine	2.617	59468	∞	103.9	4029.28	49278	48.2076 ng/ml
Cyclobenzaprine	5.619	208143	355.16	12.7	105.49	155362	49.2034 ng/ml
Dextromethorphan	5.266	215579	465.52	82.6	2728.95	200820	49.6025 ng/ml
Dextrorphan	4.117	146842	∞	197.5	63009.55	403595	49.4911 ng/ml
Diazepam	5.963	252024	1059.51	87.6	15825.74	247630	51.3842 ng/ml
Dihydrocodeine	2.575	157601	430.03	67.8	4092.12	154967	53.7079 ng/ml
Diphenhydramine	5.301	780937	502.20	33.4	6496.34	1344023	49.2435 ng/ml
Doxylamine	4.568	1211897	29236.76	99.3	33988.16	980387	52.4546 ng/ml
EDDP	5.259	498434	12303.59	42.9	13743.51	571537	50.7101 ng/ml
Fentanyl	5.155	28437	30.86	58.7	26026.81	261021	4.8159 ng/ml
Fluoxetine	5.703	235825	36088.53	8.2	25305.56	194626	50.9124 ng/ml
Hydrocodone	3.047	183173	∞	40.2	2094.12	241541	54.8591 ng/ml
Hydromorphone	1.628	156661	∞	76.0	534.97	98673	52.3713 ng/ml
Ketamine	4.105	513699	858.74	37.5	763.76	454517	52.4914 ng/ml
Lamotrigine	4.313	44117	3012.95	84.8	56883.02	454517	54.2244 ng/ml
Lorazepam	5.749	436437	∞	53.3	2144.74	89730	54.1704 ng/ml
MDA	3.211	729469	10767.20	17.0	2941.56	231632	55.1834 ng/ml
MDMA	3.304	546905	∞	58.6	7436.90	90259	51.1909 ng/ml
Meprobamate	4.930	92507	238.17	25.9	3772.48	92265	52.8433 ng/ml

AM #28 Multi-Drug Quant. Results

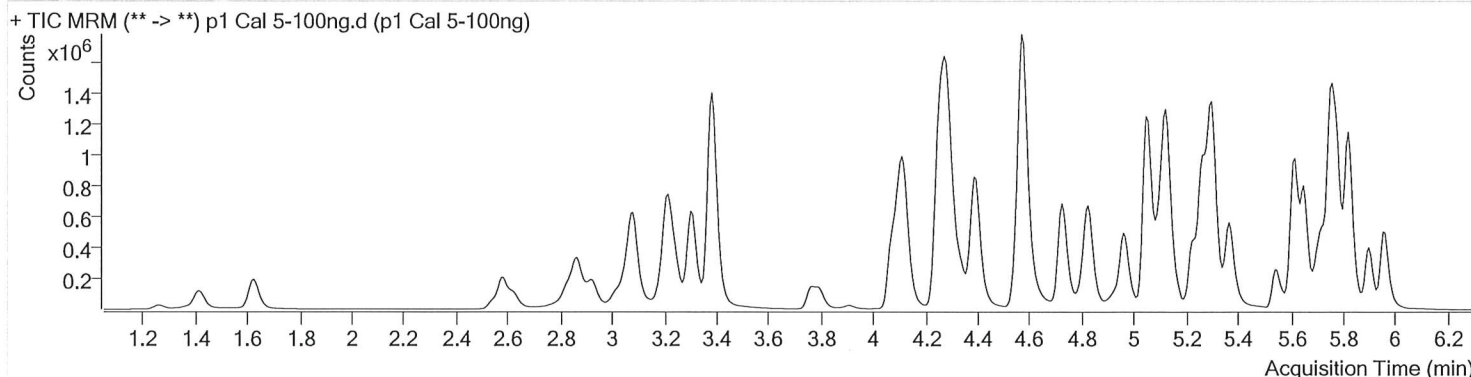| Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.649	620030	4777.73	50.0	449.01	508126	50.8686 ng/ml
Methamphetamine	3.245	193048	1627.65	43.5	914.95	233387	53.5013 ng/ml
Metoprolol	4.332	103030	15393.07	93.8	∞	1137309	53.6438 ng/ml
Mirtazapine	4.724	769401	∞	53.9	8313.69	581995	55.9526 ng/ml
Mitragynine	5.288	94000	676.93	39.6	2887.71	508126	58.3898 ng/ml
Morphine	1.260	24301	538.99	42.7	253.62	7254	53.4226 ng/ml
Norbuprenorphine	4.998	1070	3393.38	61.4	744.08	7943	4.9534 ng/ml
Nordiazepam	5.903	232964	3177.66	55.3	787.51	145613	52.4330 ng/ml
Norfentanyl	4.092	101266	8928.68	35.8	625.09	936417	5.3986 ng/ml
Norhydrocodone	3.075	10512	382.59	44.0	165.53	28288	46.0034 ng/ml
Noroxycodone	2.918	183446	450.95	46.5	402.76	108888	50.2446 ng/ml
O-desmethyl-tramadol	3.383	1163533	100372.68	6.9	1902.26	1277762	50.7229 ng/ml
Oxazepam	5.759	401560	∞	71.2	4804.80	523348	52.5359 ng/ml
Oxycodone	2.857	428395	1973.68	28.4	3808.43	348726	52.5216 ng/ml
Oxymorphone	1.417	128187	923.75	44.0	564.71	78264	51.7610 ng/ml
Phentermine	3.797	138022	∞	2.3	∞	363528	54.6625 ng/ml
Promethazine	5.542	590070	12175.76	29.7	1027.40	496048	50.7365 ng/ml
Quetiapine	5.600	370351	552057.63	57.7	31018.62	99615	52.4062 ng/ml
Sertraline	5.772	117214	3765.88	93.2	8682.50	99145	49.5554 ng/ml
Temazepam	5.819	662850	32237.09	32.4	5504.99	742652	51.0158 ng/ml
Tramadol	4.252	1161354	98216.15	3.7	2800.23	1137309	52.4539 ng/ml
Trazodone	5.364	550052	∞	80.0	∞	449850	48.3522 ng/ml
Venlafaxine	5.048	894205	25576.35	35.3	574.71	1021554	50.7438 ng/ml
Zolpidem	5.122	1122353	89859.44	32.8	∞	1134564	53.2045 ng/ml

AM #28 Multi-Drug Quant. Results

SJ

Batch results   D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin
Calibration Last Update 12/1/2020 3:06:31 PM

Instrument	Instrument 1	**Data File**	p1 Cal 5-100ng.d
Type	Cal	**Sample**	p1 Cal 5-100ng
Acq. Method	AM 28 MDQ P1.m	**Operator**	Sophia Jackson
Sample Position	P2-E1	**Comment**	
Injection Volume	2		
Acq. Date-Time	11/25/2020 9:32:27 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	3.153	18573	477.11	72.7	12831.66	31167	9.8376 ng/ml
7-aminoclonazepam	4.298	384239	31083.31	77.3	∞	132397	97.2760 ng/ml
a-hydroxyalprazolam	5.701	215253	2479.58	60.8	1600.78	38382	99.9290 ng/ml
alpha-PHP	4.962	321016	92731.81	275.3	6443.60	547142	101.6213 ng/ml
alpha-PVP	4.396	1195457	43544.23	50.1	17929.45	547142	101.2982 ng/ml
Alprazolam	5.778	635474	3846.27	106.9	1337.54	156006	97.3868 ng/ml
Amphetamine	3.084	1065584	10378.60	51.0	4929.79	82559	106.3091 ng/ml
Benzoylecgonine	3.905	33080	265.89	8.3	14889.65	13169	96.7832 ng/ml
Buprenorphine	5.951	15561	∞	14.7	5488.60	60903	10.3209 ng/ml
Bupropion	4.828	985900	74178.73	63.7	∞	278991	101.4146 ng/ml
Carisoprodol	5.727	389131	136581.96	54.9	∞	206202	101.7876 ng/ml
Citalopram	5.224	580072	8974.14	41.3	647.76	272847	99.6716 ng/ml
Clonazepam	5.615	860210	1081.24	33.2	5387.82	85396	101.2393 ng/ml
Cocaine	4.277	1191761	90513.07	45.2	42244.78	783679	100.1147 ng/ml
Codeine	2.624	111945	5232.46	104.3	9364.39	46264	96.1337 ng/ml
Cyclobenzaprine	5.625	122748	13326.81	12.7	829.28	47635	94.4246 ng/ml
Dextromethorphan	5.273	252164	11676.66	82.1	370.10	116775	99.8455 ng/ml
Dextrorphan	4.124	255348	1012.77	202.1	1413.71	365318	94.6057 ng/ml
Diazepam	5.963	459860	811.23	87.5	930.93	228884	101.8219 ng/ml
Dihydrocodeine	2.582	293148	462.35	68.2	3496.89	153259	101.4310 ng/ml
Diphenhydramine	5.301	1143835	101443.74	33.2	21190.85	963639	100.4683 ng/ml
Doxylamine	4.568	2309948	199368.92	99.7	96457.13	952839	103.2098 ng/ml
EDDP	5.265	874866	912.26	43.3	118066.91	508475	100.1379 ng/ml
Fentanyl	5.162	24042	938.36	60.5	10072.98	113579	9.3089 ng/ml
Fluoxetine	5.703	93594	426.44	7.7	970.73	39357	99.9799 ng/ml
Hydrocodone	3.054	318000	134.22	42.7	142.27	224455	103.4354 ng/ml
Hydromorphone	1.628	274511	∞	77.8	2568.63	90282	100.5887 ng/ml
Ketamine	4.105	944106	∞	37.2	321.61	422580	104.6049 ng/ml
Lamotrigine	4.320	74671	6349.66	86.7	3911.19	422580	98.9522 ng/ml
Lorazepam	5.749	722229	∞	54.9	∞	85396	95.0232 ng/ml
MDA	3.218	1271077	4965.63	16.9	15798.39	209073	107.6274 ng/ml
MDMA	3.304	1008236	20513.81	58.9	15933.30	84512	101.1774 ng/ml
Meprobamate	4.936	165916	6424.32	26.7	425.95	87121	100.6386 ng/ml

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.649	765702	14000.30	50.8	∞	319535	99.9996 ng/ml
Methamphetamine	3.245	354345	1219.99	43.3	441.83	230610	101.2750 ng/ml
Metoprolol	4.339	187867	613685.39	94.0	∞	1106672	101.1901 ng/ml
Mirtazapine	4.724	1164129	∞	53.9	7077.31	547142	89.8063 ng/ml
Mitragynine	5.288	89921	7000.20	38.5	307.23	319535	88.8268 ng/ml
Morphine	1.266	45666	1005.93	41.0	466.53	6878	106.2784 ng/ml
Norbuprenorphine	5.004	1432	75.24	72.1	945.57	5344	10.0377 ng/ml
Nordiazepam	5.903	422534	970.91	55.9	1772.92	135844	102.3085 ng/ml
Norfentanyl	4.092	190277	1144.84	36.9	812.52	910967	10.4749 ng/ml
Norhydrocodone	3.075	18513	358.68	46.1	141.90	24823	91.2271 ng/ml
Noroxycodone	2.925	341178	552.78	45.5	418.10	101640	100.2173 ng/ml
O-desmethyl-tramadol	3.383	2236225	46741.71	6.8	7324.42	1233802	101.0923 ng/ml
Oxazepam	5.759	696176	3565.89	71.9	7904.75	460008	104.0147 ng/ml
Oxycodone	2.863	793820	14646.89	28.4	2152.46	329187	103.5806 ng/ml
Oxymorphone	1.417	238390	∞	43.1	2545.49	74776	101.1907 ng/ml
Phentermine	3.797	265337	∞	2.4	577.74	362921	105.8576 ng/ml
Promethazine	5.549	345224	643.39	30.1	1950.87	149388	98.6254 ng/ml
Quetiapine	5.607	564502	17467.14	58.8	68291.03	78648	101.8185 ng/ml
Sertraline	5.772	35913	780.69	93.3	535.86	15514	96.9178 ng/ml
Temazepam	5.819	1261427	18456.39	32.4	2182.09	718875	100.4682 ng/ml
Tramadol	4.259	2199115	83891.50	3.7	∞	1106672	102.8451 ng/ml
Trazodone	5.364	702698	46997.63	81.2	61551.54	291710	94.8943 ng/ml
Venlafaxine	5.048	1692027	33348.05	34.5	10802.68	988753	99.2891 ng/ml
Zolpidem	5.122	2122458	174768.37	32.6	31901.00	1087009	105.6513 ng/ml

AM #28 Multi-Drug Quant. Results

Instrument	Instrument 1	**Data File**	p1 Cal 6-250ng.d	
Type	Cal	**Sample**	p1 Cal 6-250ng	
Acq. Method	AM 28 MDQ P1.m	**Operator**	Sophia Jackson	
Sample Position	P2-F1	**Comment**		
Injection Volume	2			
Acq. Date-Time	11/25/2020 9:43:03 PM			
Sample Info.				

Sample Chromatogram

+ TIC MRM (** -> **) p1 Cal 6-250ng.d (p1 Cal 6-250ng)
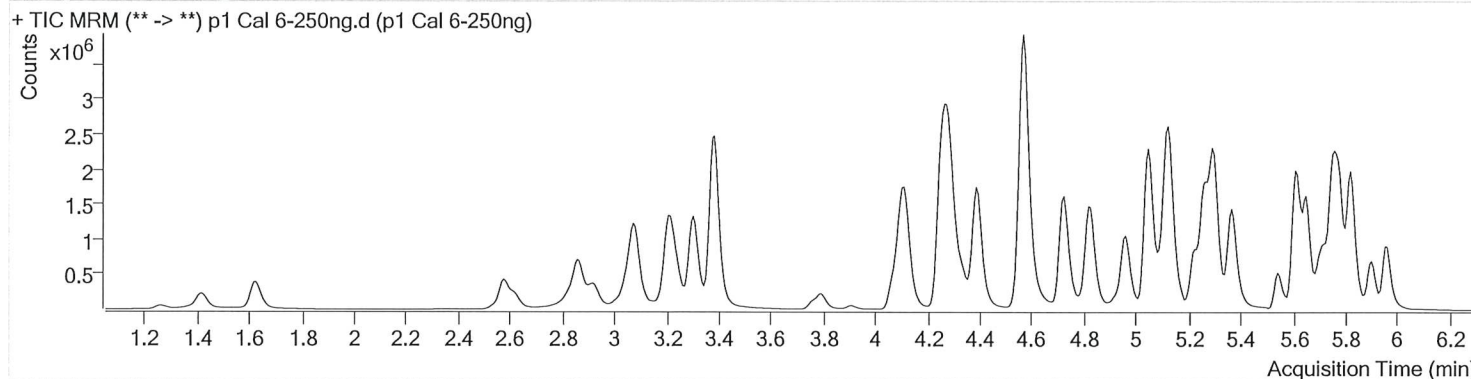
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.146	45500	4331.07	70.5	118136.50	29750	25.2563 ng/ml
7-aminoclonazepam	4.298	787150	57505.52	77.3	17574.59	104125	253.0519 ng/ml
a-hydroxyalprazolam	5.701	455058	2198.73	59.9	1152.87	31281	260.3815 ng/ml
alpha-PHP	4.962	703377	6053.90	274.0	17553.11	504103	241.9871 ng/ml
alpha-PVP	4.389	2743660	48909.07	50.3	76975.07	504103	253.1956 ng/ml
Alprazolam	5.778	1333292	1542.82	106.2	1878.99	124613	255.1957 ng/ml
Amphetamine	3.084	2148738	10239.49	51.0	21837.40	74580	238.9204 ng/ml
Benzoylecgonine	3.905	84592	28470.42	7.9	209.98	13478	242.3213 ng/ml
Buprenorphine	5.951	32859	3018.23	14.0	1292.87	52121	25.6067 ng/ml
Bupropion	4.828	2301308	162825.92	64.1	22730.29	264828	249.8894 ng/ml
Carisoprodol	5.727	772123	∞	54.9	6336.50	166855	249.9684 ng/ml
Citalopram	5.224	1310632	9779.66	41.4	931.51	246374	249.3179 ng/ml
Clonazepam	5.615	1664134	34060.92	32.9	506799.55	67246	249.2530 ng/ml
Cocaine	4.277	2540880	264450.24	45.6	∞	684251	244.6420 ng/ml
Codeine	2.617	249356	7490.01	99.3	18255.69	39450	250.2798 ng/ml
Cyclobenzaprine	5.619	282523	19835.86	12.5	981.23	41442	249.4330 ng/ml
Dextromethorphan	5.266	559527	20298.63	81.7	915.47	102228	253.1755 ng/ml
Dextrorphan	4.117	536128	12403.54	200.8	114829.92	294641	245.4567 ng/ml
Diazepam	5.963	971170	24991.03	87.5	11133.93	197662	249.5711 ng/ml
Dihydrocodeine	2.575	665765	56122.92	68.3	18224.68	142434	248.5502 ng/ml
Diphenhydramine	5.301	2571658	29764.73	33.4	999.00	884258	245.9780 ng/ml
Doxylamine	4.568	5477886	128174.67	98.6	315720.76	903952	258.5188 ng/ml
EDDP	5.259	1944556	2501.64	43.3	35916.33	455591	248.5504 ng/ml
Fentanyl	5.155	60466	∞	58.8	8199.97	111433	23.7827 ng/ml
Fluoxetine	5.703	197913	4852.15	8.4	∞	33902	245.5215 ng/ml
Hydrocodone	3.047	695849	∞	42.9	∞	211615	241.5120 ng/ml
Hydromorphone	1.628	627245	∞	77.2	345.96	83355	249.4083 ng/ml
Ketamine	4.105	2036528	∞	37.1	599.44	393550	243.4225 ng/ml
Lamotrigine	4.313	157714	18162.60	86.3	21800.71	393550	224.7818 ng/ml
Lorazepam	5.749	1143436	2929.52	55.8	2022.85	67246	192.1843 ng/ml
MDA	3.211	2580057	72899.42	16.4	3780.19	180652	254.4242 ng/ml
MDMA	3.304	2231730	171789.02	58.3	59279.89	74231	255.5821 ng/ml
Meprobamate	4.930	328466	3283.38	26.3	14940.80	75796	229.3815 ng/ml

AM #28 Multi-Drug Quant. Results

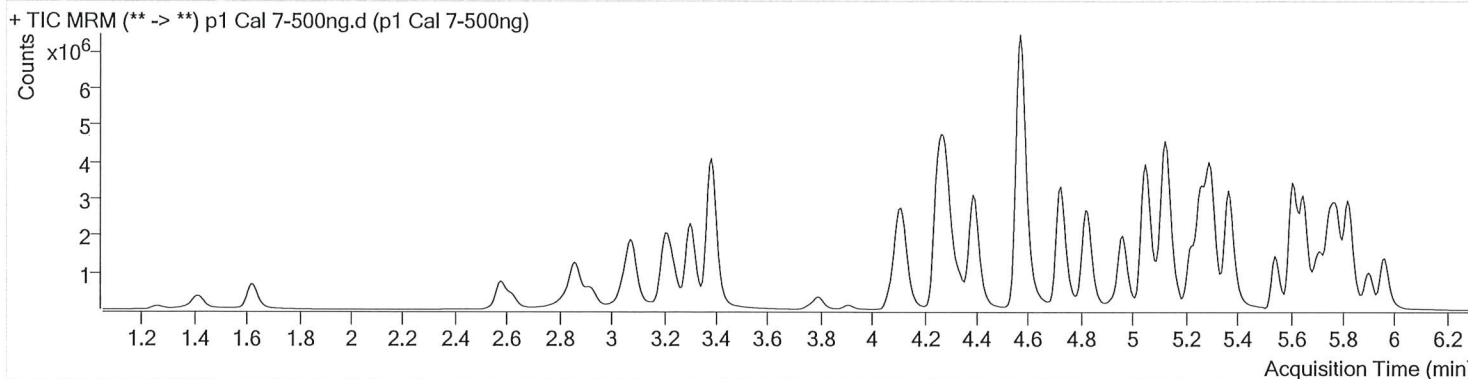| Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.649	1827351	1202.46	49.5	4860.01	306191	249.2094 ng/ml
Methamphetamine	3.245	577477	722.39	44.2	516.67	154810	249.0048 ng/ml
Metoprolol	4.332	397955	449472.00	94.4	∞	953279	249.9536 ng/ml
Mirtazapine	4.724	2784622	211204.22	54.1	5275.12	504103	232.5192 ng/ml
Mitragynine	5.288	197630	1199.37	41.0	4115.05	306191	203.7421 ng/ml
Morphine	1.266	100767	960.27	42.6	473.58	6739	239.8437 ng/ml
Norbuprenorphine	4.998	3077	4104.20	73.2	353.99	4839	24.0753 ng/ml
Nordiazepam	5.903	875957	1436.80	55.3	3027.88	113888	253.5601 ng/ml
Norfentanyl	4.085	417260	3102.76	36.3	345.45	860640	24.3812 ng/ml
Norhydrocodone	3.075	41272	253.04	41.7	110.44	19070	262.6562 ng/ml
Noroxycodone	2.918	715890	600.44	45.9	1117.35	86544	247.1213 ng/ml
O-desmethyl-tramadol	3.383	5057425	193361.20	6.9	16817.95	1113763	253.4731 ng/ml
Oxazepam	5.753	1173496	11421.18	75.4	∞	333222	242.5779 ng/ml
Oxycodone	2.857	1847581	10038.06	28.2	2633.43	313730	253.6766 ng/ml
Oxymorphone	1.417	529632	∞	42.5	2229.63	66166	254.7745 ng/ml
Phentermine	3.797	507513	∞	2.2	669.20	288646	255.4815 ng/ml
Promethazine	5.542	814528	2216.15	29.5	344.64	142571	243.9195 ng/ml
Quetiapine	5.600	1403283	71161.43	57.9	103392.75	80089	249.5516 ng/ml
Sertraline	5.772	67621	1036.95	94.8	175.79	11303	250.2907 ng/ml
Temazepam	5.819	2695013	97761.81	32.1	4731.29	604367	255.5920 ng/ml
Tramadol	4.252	4765924	80363.74	3.7	6149.28	953279	259.9842 ng/ml
Trazodone	5.364	1915150	∞	80.6	∞	301102	249.9468 ng/ml
Venlafaxine	5.048	3809592	322054.71	34.6	1071.07	876733	252.2496 ng/ml
Zolpidem	5.122	4836577	∞	32.3	174039.30	1013432	259.1762 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results   D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin
Calibration Last Update 12/1/2020 3:06:31 PM

Instrument	Instrument 1	**Data File**	p1 Cal 7-500ng.d
Type	Cal	**Sample**	p1 Cal 7-500ng
Acq. Method	AM 28 MDQ P1.m	**Operator**	Sophia Jackson
Sample Position	P2-G1	**Comment**	
Injection Volume	2		
Acq. Date-Time	11/25/2020 9:53:38 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	3.153	94355	4049.17	72.7	1333.30	32117	48.5208 ng/ml
7-aminoclonazepam	4.298	1150489	272.12	78.8	21711.14	76074	506.0311 ng/ml
a-hydroxyalprazolam	5.701	733537	3490.42	60.4	655.40	27509	477.8963 ng/ml
alpha-PHP	4.962	1390839	86404.94	274.5	7601.21	488132	494.3918 ng/ml
alpha-PVP	4.389	5269802	114317.28	50.3	60896.84	488132	502.7961 ng/ml
Alprazolam	5.778	2167612	∞	107.4	1375.73	103712	498.1427 ng/ml
Amphetamine	3.084	3396525	43853.97	51.6	22441.80	69477	406.3108 ng/ml
Benzoylecgonine	3.905	191562	47405.13	8.2	112.60	14219	520.5039 ng/ml
Buprenorphine	5.951	59616	4832.38	14.0	19992.05	51553	47.0500 ng/ml
Bupropion	4.821	4365818	104517.24	63.3	29124.28	254266	494.0960 ng/ml
Carisoprodol	5.727	1199817	23979.95	55.0	11768.79	132839	488.1399 ng/ml
Citalopram	5.224	2783989	1011.20	41.6	126735.53	261074	499.7164 ng/ml
Clonazepam	5.615	2259373	39292.06	32.7	41044.14	46366	491.1559 ng/ml
Cocaine	4.277	4692451	333734.22	45.0	46193.58	609714	507.1649 ng/ml
Codeine	2.617	462113	14232.63	102.4	20317.76	35751	511.2698 ng/ml
Cyclobenzaprine	5.619	776219	4088.26	12.3	1595.03	55351	512.8569 ng/ml
Dextromethorphan	5.266	1034305	578.74	82.2	39149.59	96629	495.1842 ng/ml
Dextrorphan	4.124	957976	47351.91	200.6	87210.98	259217	498.0013 ng/ml
Diazepam	5.963	1660774	19948.94	87.6	7021.41	171499	492.2746 ng/ml
Dihydrocodeine	2.575	1256925	1704.10	69.1	21940.61	151162	442.5218 ng/ml
Diphenhydramine	5.301	5079643	102628.61	33.8	18863.67	874089	491.3943 ng/ml
Doxylamine	4.568	10594721	412405.99	97.8	249597.14	931100	485.7282 ng/ml
EDDP	5.259	3991225	92295.24	43.5	1065.08	470198	494.3977 ng/ml
Fentanyl	5.155	141827	27547.95	57.6	294749.76	120004	51.7398 ng/ml
Fluoxetine	5.703	638409	25072.39	8.1	89486.04	54413	493.5055 ng/ml
Hydrocodone	3.047	1290836	∞	42.2	∞	220610	430.5998 ng/ml
Hydromorphone	1.628	1207960	1837.26	73.2	1552.28	81094	494.0177 ng/ml
Ketamine	4.105	3556864	22255.08	37.4	965.19	383995	436.4050 ng/ml
Lamotrigine	4.313	255387	34988.25	84.9	38963.01	383995	373.2364 ng/ml
Lorazepam	5.743	1282406	3948.76	55.1	5336.11	46366	313.3101 ng/ml
MDA	3.211	4223137	101187.57	16.0	14787.30	166106	453.8389 ng/ml
MDMA	3.304	4195981	245104.59	57.9	111126.03	72003	495.7730 ng/ml
Meprobamate	4.930	507708	23685.62	26.2	509.40	72575	370.4703 ng/ml

AM #28 Multi-Drug Quant. Results

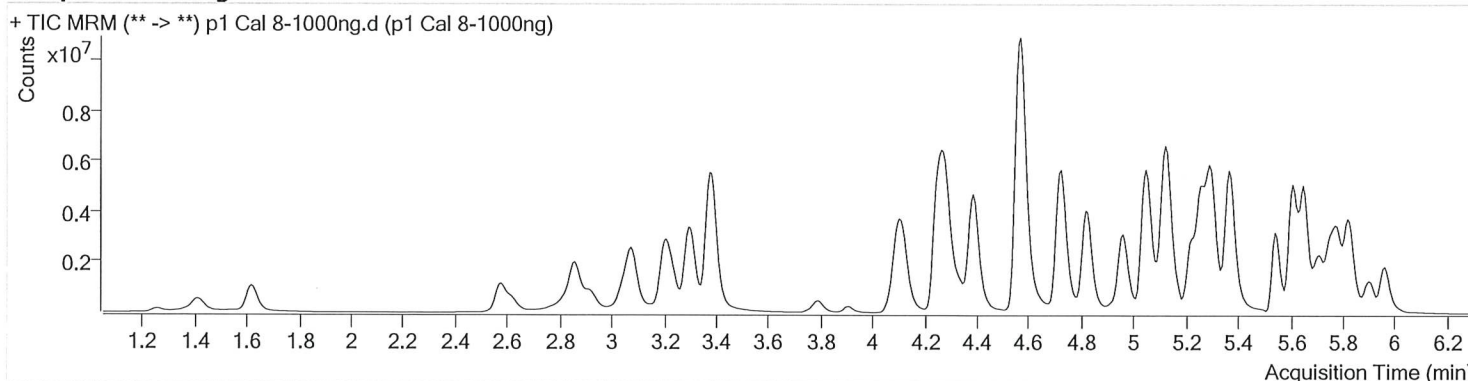| Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.649	3880907	102916.30	50.6	35007.80	327329	495.1953 ng/ml
Methamphetamine	3.245	919738	5741.45	44.5	3536.56	129229	477.0878 ng/ml
Metoprolol	4.339	675070	∞	94.3	∞	918380	440.7011 ng/ml
Mirtazapine	4.724	5901473	8007.57	53.8	7541.49	488132	508.4259 ng/ml
Mitragynine	5.288	374123	∞	39.1	3031.64	327329	360.7931 ng/ml
Morphine	1.260	188158	1628.01	44.8	4327.37	6247	483.5494 ng/ml
Norbuprenorphine	4.998	6211	2662.51	75.4	141.18	4871	48.4708 ng/ml
Nordiazepam	5.903	1438030	24981.04	55.0	31153.97	97926	484.4718 ng/ml
Norfentanyl	4.085	742019	9979.13	37.4	18804.30	910821	41.0034 ng/ml
Norhydrocodone	3.075	83748	177.37	42.2	2669.88	17312	585.7539 ng/ml
Noroxycodone	2.918	1159190	∞	46.0	3742.49	74320	466.0570 ng/ml
O-desmethyl-tramadol	3.383	9572675	170867.43	6.9	75752.98	1068786	500.0935 ng/ml
Oxazepam	5.753	1461506	29168.82	76.4	53441.88	221308	455.2453 ng/ml
Oxycodone	2.857	3638563	27255.77	28.3	3334.96	327877	478.4677 ng/ml
Oxymorphone	1.417	951931	852.42	45.2	∞	60754	499.1476 ng/ml
Phentermine	3.797	853061	∞	2.1	∞	265917	466.6684 ng/ml
Promethazine	5.542	2432037	2527.99	29.6	1199.02	209119	496.5989 ng/ml
Quetiapine	5.600	2999702	109676.87	59.0	60838.79	94199	454.1130 ng/ml
Sertraline	5.772	215042	959.99	93.2	541.65	18033	498.7898 ng/ml
Temazepam	5.819	4602132	103519.09	31.8	45015.29	539229	489.3473 ng/ml
Tramadol	4.252	8502700	285301.68	3.7	23697.83	918380	482.1466 ng/ml
Trazodone	5.364	4490301	∞	80.5	∞	341760	515.9137 ng/ml
Venlafaxine	5.048	7393560	197803.46	34.3	14746.72	849010	505.6359 ng/ml
Zolpidem	5.122	9118856	∞	32.0	94288.21	1033582	479.6770 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\AM 27-28\112520 AM 27 28 SJ SP\QuantResults\AM 28 SJ.batch.bin
Calibration Last Update 12/1/2020 3:06:31 PM

Instrument	Instrument 1	**Data File**	p1 Cal 8-1000ng.d
Type	Cal	**Sample**	p1 Cal 8-1000ng
Acq. Method	AM 28 MDQ P1.m	**Operator**	Sophia Jackson
Sample Position	P2-H1	**Comment**	
Injection Volume	2		
Acq. Date-Time	11/25/2020 10:04:14 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	3.146	177343	8565.55	71.1	22697.99	29383	99.6888 ng/ml
7-aminoclonazepam	4.298	1398476	22510.67	73.0	35095.93	44218	1058.0188 ng/ml
a-hydroxyalprazolam	5.701	967138	376.28	61.1	1166.19	19469	890.9068 ng/ml
alpha-PHP	4.962	2273468	72812.71	276.5	129296.30	398544	990.0202 ng/ml
alpha-PVP	4.389	8477437	311936.01	50.8	208686.63	398544	991.2155 ng/ml
Alprazolam	5.778	3121170	1749.49	105.2	11801.67	74364	999.9862 ng/ml
Amphetamine	3.078	4739632	22114.26	51.9	54362.65	58495	674.2943 ng/ml
Benzoylecgonine	3.905	411565	34021.92	7.9	∞	14424	1102.8224 ng/ml
Buprenorphine	5.951	99292	30672.76	13.9	58086.42	45922	88.0555 ng/ml
Bupropion	4.821	6695191	126217.93	63.7	30054.45	203304	947.9739 ng/ml
Carisoprodol	5.727	1546961	316783.34	55.4	14678.61	86998	961.2583 ng/ml
Citalopram	5.224	4905252	42842.77	40.8	72635.10	229586	1001.1782 ng/ml
Clonazepam	5.622	2201396	51649.36	33.4	51673.31	23615	939.9255 ng/ml
Cocaine	4.277	7040450	546807.16	45.7	53110.14	465269	997.2944 ng/ml
Codeine	2.617	735090	19277.42	98.3	∞	26117	1112.6767 ng/ml
Cyclobenzaprine	5.619	1607420	742.36	11.9	1411.87	54665	1075.1066 ng/ml
Dextromethorphan	5.266	1602596	19503.77	81.9	43022.83	72271	1025.9272 ng/ml
Dextrorphan	4.117	1445647	30511.69	202.5	909.07	192307	1012.4613 ng/ml
Diazepam	5.963	2431550	∞	87.1	∞	127800	967.5715 ng/ml
Dihydrocodeine	2.575	2012844	40190.96	69.7	17095.59	141418	757.8245 ng/ml
Diphenhydramine	5.301	8464281	218256.71	34.2	19353.01	706455	1012.9812 ng/ml
Doxylamine	4.568	17659821	510082.43	94.3	607598.85	834271	903.9083 ng/ml
EDDP	5.259	6615186	59516.36	42.4	126648.79	385845	998.6700 ng/ml
Fentanyl	5.155	311039	84645.57	59.7	26810.65	114236	119.1326 ng/ml
Fluoxetine	5.703	1353935	87576.95	8.1	20482.59	56452	1008.8767 ng/ml
Hydrocodone	3.040	2145004	∞	42.6	1300.98	197905	798.5542 ng/ml
Hydromorphone	1.621	1912939	∞	76.7	654.75	68747	923.1200 ng/ml
Ketamine	4.098	5416447	77815.72	37.1	2885.28	338327	754.8960 ng/ml
Lamotrigine	4.313	328510	31142.63	88.3	6563.06	338327	545.0415 ng/ml
Lorazepam	5.749	1379354	3638.02	55.1	2094.21	23615	662.9086 ng/ml
MDA	3.211	6187843	85412.09	15.9	16124.45	134127	824.4853 ng/ml
MDMA	3.298	6435674	263592.52	57.8	310216.64	59361	922.6913 ng/ml
Meprobamate	4.930	673535	107834.46	25.9	18671.01	59282	601.8578 ng/ml

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.649	7048136	934.19	50.3	37255.71	289071	1018.4642 ng/ml
Methamphetamine	3.239	1299561	1385.07	43.8	6864.41	94215	926.7031 ng/ml
Metoprolol	4.339	948813	69784.55	94.9	∞	757846	751.1526 ng/ml
Mirtazapine	4.724	10623261	170748.95	54.5	363765.71	398544	1120.4659 ng/ml
Mitragynine	5.288	589507	5121.17	40.3	3288.78	289071	643.7489 ng/ml
Morphine	1.260	318182	27607.50	43.5	16475.90	5444	938.6391 ng/ml
Norbuprenorphine	4.998	11787	3812.64	75.9	1054.70	4387	102.3385 ng/ml
Nordiazepam	5.903	1964938	1574.81	55.7	1987.34	69237	936.6543 ng/ml
Norfentanyl	4.085	1134242	9963.68	37.8	20465.19	837608	68.1897 ng/ml
Norhydrocodone	3.068	160436	4816.75	41.1	1518.78	14121	1374.2217 ng/ml
Noroxycodone	2.918	1719159	∞	45.4	∞	48245	1064.8988 ng/ml
O-desmethyl-tramadol	3.383	14890303	720514.19	7.2	73651.41	861222	965.5025 ng/ml
Oxazepam	5.753	1341192	∞	80.3	987.25	118507	780.4566 ng/ml
Oxycodone	2.857	6293884	2869.37	28.0	16169.04	299850	905.4447 ng/ml
Oxymorphone	1.410	1613688	∞	43.8	1982.01	55778	922.0271 ng/ml
Phentermine	3.797	1286180	∞	2.1	∞	223912	836.1104 ng/ml
Promethazine	5.542	5671304	154310.61	29.6	2275.90	239871	1009.6282 ng/ml
Quetiapine	5.600	5240744	66608.39	58.5	89768.97	97689	765.5002 ng/ml
Sertraline	5.772	408283	17797.43	93.4	12208.17	17000	1004.4591 ng/ml
Temazepam	5.826	6492536	23486.91	31.5	30986.23	379228	981.8031 ng/ml
Tramadol	4.252	12671595	∞	3.8	∞	757846	871.4090 ng/ml
Trazodone	5.364	8374953	∞	81.8	∞	303194	1084.2263 ng/ml
Venlafaxine	5.048	11721912	7289.46	34.6	24788.58	685756	992.5759 ng/ml
Zolpidem	5.122	14296729	294224.27	33.2	337382.49	919112	846.2090 ng/ml