11/18/2020

Worklist: 4601

LAB CASE	ITEM	ITEM TYPE	DESCRIPTION	
M2020-3064	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	|||||| ||| |||||||| ||| |||
M2020-3924	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	|||||| ||| |||||||| ||| |||
M2020-3934	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	|||||| ||| |||||||| ||| |||
P2020-2860	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	|||||| ||| |||||||| ||| |||
P2020-2926	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	|||||| ||| |||||||| ||| |||
P2020-3015	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	|||||| ||| |||||||| ||| |||
P2020-3016	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	|||||| ||| |||||||| ||| |||
P2020-3019	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	|||||| ||| |||||||| ||| |||
P2020-3037	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	|||||| ||| |||||||| ||| |||
P2020-3055	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	|||||| ||| |||||||| ||| |||
P2020-3073	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	|||||| ||| |||||||| ||| |||
P2020-3076	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	|||||| ||| |||||||| ||| |||
P2020-3077	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	|||||| ||| |||||||| ||| |||
P2020-3102	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	|||||| ||| |||||||| ||| |||
P2020-3105	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	|||||| ||| |||||||| ||| |||
P2020-3114	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	|||||| ||| |||||||| ||| |||
P2020-3115	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	|||||| ||| |||||||| ||| |||

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

Extraction Date: <u>11/16/2020</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 20K20702
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:
Curves limited: Benzoylecgonine 5-500, Buprenorphine 0.5-50, Clonazepam 5-500, Dihydrocodeine 5-500, Fentanyl 0.5-50, Hydrocodone 5-500, Lamotrigine 5-250, Lorazepam 5-100, Meprobamate 5-250, Norbuprenorphine 2.5-100, Norhydrocodone 5-250, Oxazepam 5-500, Quetiapine 5-500, Trazodone 5-500

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: WS031820)
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	Hemostat	445283-3
Methanol External Control Solution		031820
Prepared:	03/18/20	
Prepared by:	Sarah Pickle	
Expires:	03/18/21	

AM #28 Multi-Drug Quant. Results

Batch results   D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin
Calibration Last Update   11/18/2020 12:49:42 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-C11	**Comment**	
Injection Volume	2		
Acq. Date-Time	11/17/2020 2:22:44 AM		
Sample Info.			

Sample Chromatogram

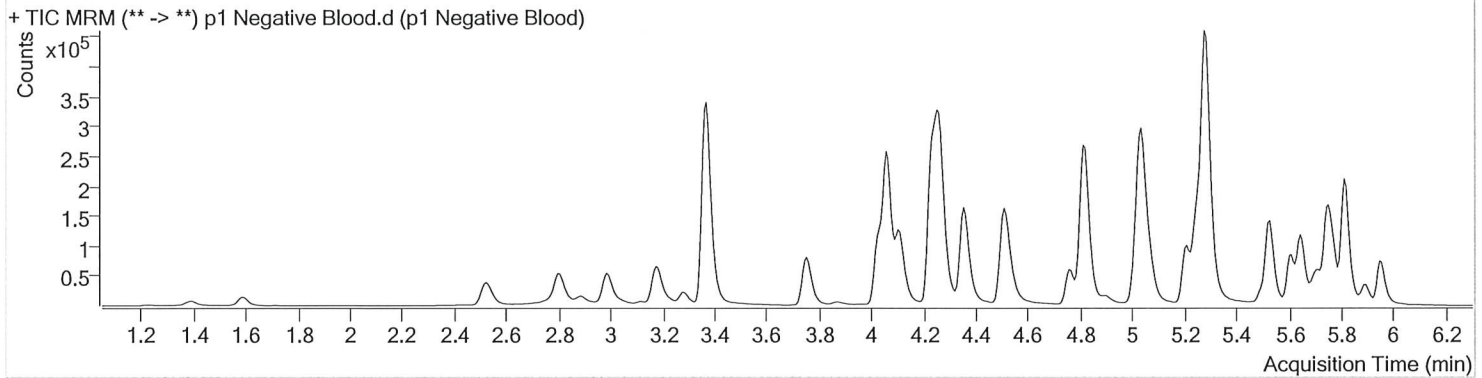+ TIC MRM (** -> **) p1 Negative Blood.d (p1 Negative Blood)

AM #28 Multi-Drug Quant. Results

Batch results   D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin
Calibration Last Update   11/18/2020 12:49:42 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-H4	**Comment**	
Injection Volume	2		
Acq. Date-Time	11/17/2020 1:50:58 AM		
Sample Info.			

Sample Chromatogram

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

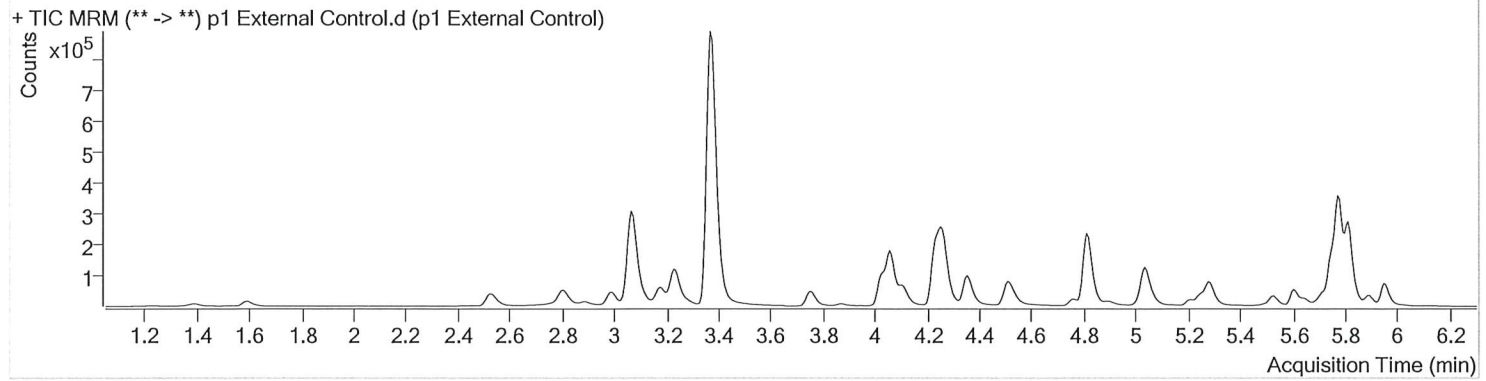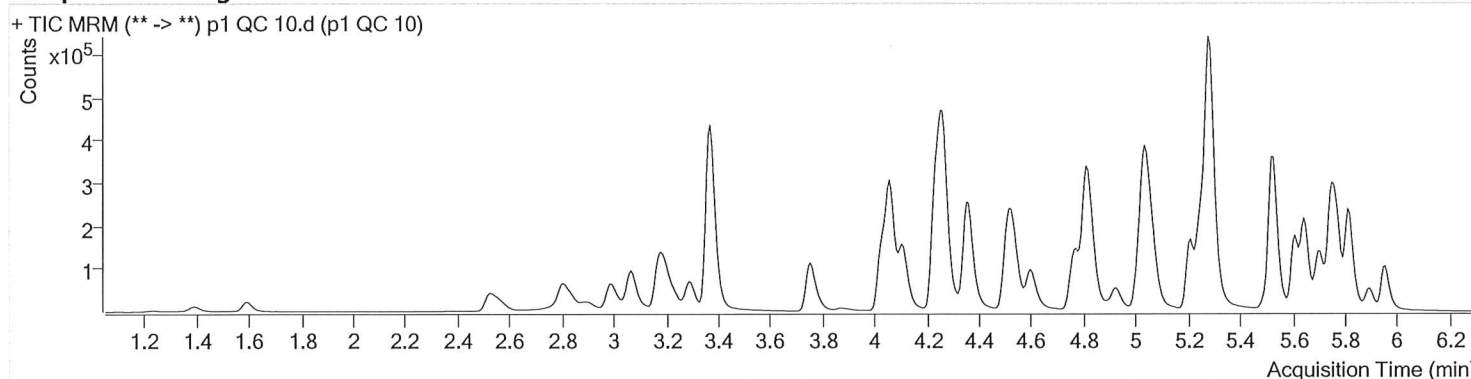| Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Alprazolam	5.778	322207	749.98	105.8	786.37	68197	81.4562 ng/ml
Amphetamine	3.071	593142	20187.93	45.0	773.25	19047	101.9173 ng/ml
O-desmethyl-tramadol	3.377	1378239	57260.47	6.3	12467.43	868720	92.1301 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results   D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin
Calibration Last Update   11/18/2020 12:49:42 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-H11	**Comment**	
Injection Volume	2		
Acq. Date-Time	11/17/2020 12:15:34 AM		
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	3.132	1034	1602.48	69.6	2779.11	9546	1.0657 ng/ml
7-aminoclonazepam	4.264	19403	105.07	85.8	98.07	63075	9.7744 ng/ml
a-hydroxyalprazolam	5.695	13842	622.70	68.2	136.10	10975	10.4628 ng/ml
alpha-PHP	4.929	28135	947.57	290.4	15002.39	501529	10.0073 ng/ml
alpha-PVP	4.362	119560	2964.62	47.2	314.62	501529	10.0029 ng/ml
Alprazolam	5.771	37540	614.79	108.4	329.22	75356	10.2136 ng/ml
Amphetamine	3.071	169281	4014.49	45.1	2562.26	48761	10.3601 ng/ml
Benzoylecgonine	3.898	3200	80.35	7.2	292.36	11260	10.3497 ng/ml
Buprenorphine	5.680	1803	774.51	12.0	557.29	46929	1.0163 ng/ml
Bupropion	4.780	119790	3529.49	61.5	4477.50	251635	9.9541 ng/ml
Carisoprodol	5.727	13641	22402.02	47.1	121.80	68110	10.5591 ng/ml
Citalopram	5.210	65339	1020.08	44.0	∞	310856	10.2465 ng/ml
Clonazepam	5.609	75759	2614.15	31.4	∞	51546	9.9424 ng/ml
Cocaine	4.263	108589	7532.41	48.0	358.49	619139	10.2080 ng/ml
Codeine	2.577	7582	440.82	114.1	279.46	27011	10.2204 ng/ml
Cyclobenzaprine	5.612	35179	800.54	11.9	112.27	143476	9.4013 ng/ml
Dextromethorphan	5.260	30648	639.40	81.0	441.06	149784	9.8497 ng/ml
Dextrorphan	4.111	12425	872.88	223.2	466.75	279107	10.6112 ng/ml
Diazepam	5.956	32147	1660.34	90.0	∞	168885	10.0890 ng/ml
Dihydrocodeine	2.555	21835	172.14	58.7	586.74	97945	10.3413 ng/ml
Diphenhydramine	5.287	102867	7058.69	29.1	5318.66	1324422	10.0906 ng/ml
Doxylamine	4.528	160577	4118.99	98.9	9012.06	533627	10.2347 ng/ml
EDDP	5.252	40744	1586.00	48.6	3727.38	308510	9.8267 ng/ml
Fentanyl	5.080	2867	261.36	51.3	∞	147662	0.9441 ng/ml
Fluoxetine	5.703	39515	1029.80	9.0	5315.06	167051	10.6518 ng/ml
Hydrocodone	3.020	19628	83.10	31.8	111.53	128966	10.7017 ng/ml
Hydromorphone	1.601	13434	150.69	72.5	386.51	41518	9.3783 ng/ml
Ketamine	4.044	83423	941.56	42.3	654.48	329458	10.0397 ng/ml
Lamotrigine	4.273	5358	739.63	88.0	5058.29	329458	11.1870 ng/ml
Lorazepam	5.749	85200	298.03	51.0	591.69	51546	10.1093 ng/ml
MDA	3.204	91148	5627.68	12.6	557.19	77900	10.4520 ng/ml
MDMA	3.298	92899	8295.54	36.5	7134.72	56966	10.1134 ng/ml
Meprobamate	4.923	3658	2369.07	25.7	121.29	25028	9.6712 ng/ml

AM #28 Multi-Drug Quant. Results

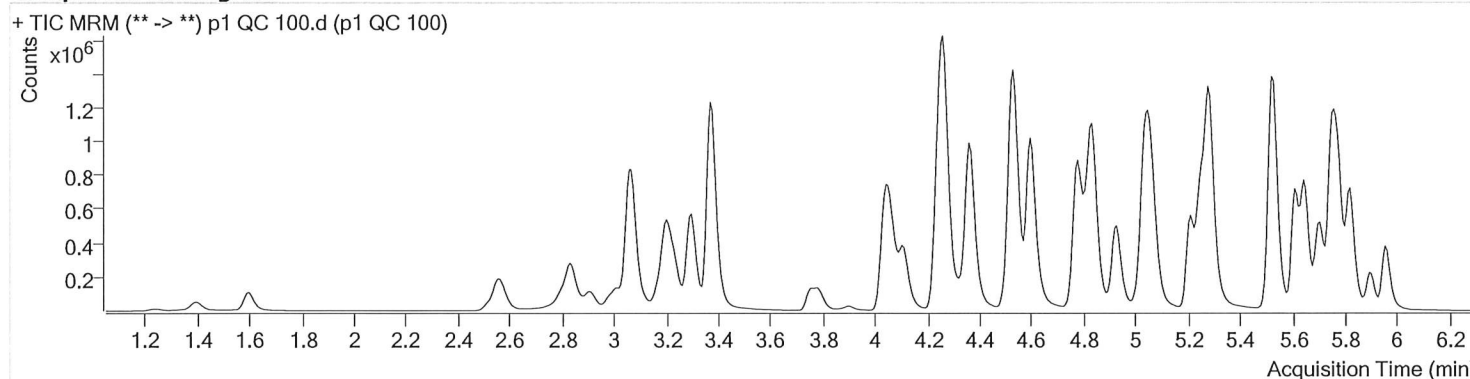| Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.650	75903	343.53	46.4	435.96	265212	10.1830 ng/ml
Methamphetamine	3.239	36115	277.77	43.1	346.81	287636	11.0485 ng/ml
Metoprolol	4.325	10742	7855.37	93.4	∞	686913	10.1044 ng/ml
Mirtazapine	4.596	143514	1055.40	54.0	3329.89	501529	10.0869 ng/ml
Mitragynine	5.208	10862	37892.43	39.9	∞	265212	9.8176 ng/ml
Morphine	1.240	1880	1266.62	27.1	303.50	3829	9.4406 ng/ml
~~Norbuprenorphine~~	~~4.977~~	~~58~~	~~260.21~~	~~107.6~~ **High**	~~163.04~~	~~3066~~	~~0.7804 ng/ml~~ *
Nordiazepam	5.903	22787	722.54	61.4	4377.35	66165	10.3203 ng/ml
Norfentanyl	4.085	16910	386.74	34.5	188.01	616324	0.9860 ng/ml
Norhydrocodone	3.061	601	150.24	35.5	46.50	9422	10.8121 ng/ml
Noroxycodone	2.911	20498	242.83	44.6	98.72	42371	10.7843 ng/ml
O-desmethyl-tramadol	3.377	163106	3682.55	6.2	256.00	926213	10.0100 ng/ml
Oxazepam	5.753	44076	1141.24	83.1	973.25	336306	9.9729 ng/ml
Oxycodone	2.836	59117	764.47	27.9	652.11	198987	10.2554 ng/ml
Oxymorphone	1.396	9899	366.11	44.8	154.22	25765	9.9707 ng/ml
Phentermine	3.790	23499	127.38	1.7	14.72	299539	10.9690 ng/ml
Promethazine	5.529	130992	33455.60	31.3	2631.45	590729	10.0191 ng/ml
Quetiapine	5.512	61063	20703.16	55.3	26210.07	66486	10.4108 ng/ml
Sertraline	5.772	28417	379.31	92.4	2351.60	112196	10.3170 ng/ml
Temazepam	5.820	63279	338.46	33.3	197.72	420471	10.2329 ng/ml
Tramadol	4.245	152324	12040.25	3.5	103.10	686913	9.7394 ng/ml
Trazodone	5.059	77583	2701.07	75.7	2340.81	315936	10.2035 ng/ml
Venlafaxine	5.034	103712	603.86	35.6	393.92	670127	10.7083 ng/ml
Zolpidem	4.831	145940	3496.30	33.2	5084.13	754540	10.2221 ng/ml

*Outside curve range

AM #28 Multi-Drug Quant. Results

Batch results   D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin
Calibration Last Update   11/18/2020 12:49:42 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-G11	**Comment**	
Injection Volume	2		
Acq. Date-Time	11/17/2020 12:36:46 AM		
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	3.132	11828	10944.22	73.4	17224.44	11772	10.5802 ng/ml
7-aminoclonazepam	4.271	192494	6599.95	86.4	∞	56450	104.8048 ng/ml
a-hydroxyalprazolam	5.695	141063	525.78	67.0	831.82	11203	108.2925 ng/ml
alpha-PHP	4.929	314525	30582.54	288.1	26672.30	558549	102.2883 ng/ml
alpha-PVP	4.369	1370390	4310.91	47.5	31331.06	558549	102.7871 ng/ml
Alprazolam	5.778	403918	2583.40	106.1	2002.54	67624	102.4978 ng/ml
Amphetamine	3.071	1678191	21407.10	46.5	241885.15	49902	110.1539 ng/ml
Benzoylecgonine	3.898	38199	7958.28	7.5	∞	12728	108.9292 ng/ml
Buprenorphine	5.680	19192	∞	11.8	3795.33	47577	9.9632 ng/ml
Bupropion	4.780	1342947	146735.92	60.7	16923.35	272328	106.2275 ng/ml
Carisoprodol	5.727	142909	∞	44.7	598.98	69932	107.1008 ng/ml
Citalopram	5.210	651535	1473.44	44.6	32094.35	310522	103.9124 ng/ml
Clonazepam	5.608	757579	1534.74	31.1	4555.50	50533	106.9983 ng/ml
Cocaine	4.263	1167030	93654.57	47.7	51745.06	642929	106.8101 ng/ml
Codeine	2.577	82414	6031.58	115.6	3058.14	29820	107.4343 ng/ml
Cyclobenzaprine	5.612	376466	15469.47	11.3	∞	127171	104.1170 ng/ml
Dextromethorphan	5.260	328267	44222.58	80.8	26258.43	146478	105.9941 ng/ml
Dextrorphan	4.111	144035	9640.93	224.4	1830.60	310353	93.9287 ng/ml
Diazepam	5.956	352940	8545.13	88.3	1302.57	176806	108.6519 ng/ml
Dihydrocodeine	2.555	252468	15784.71	59.4	24922.03	113488	108.2844 ng/ml
Diphenhydramine	5.287	1063211	2572.31	30.3	1854.05	1374378	105.7184 ng/ml
Doxylamine	4.528	1882884	137250.43	99.7	62144.67	617131	107.3785 ng/ml
EDDP	5.252	530124	14117.83	48.7	507.53	377901	102.7623 ng/ml
Fentanyl	5.080	33740	7222.41	51.3	30092.48	158583	10.2497 ng/ml
Fluoxetine	5.703	414873	128159.73	8.4	∞	172903	108.3376 ng/ml
Hydrocodone	3.013	213974	517.10	32.7	∞	152066	104.7204 ng/ml
Hydromorphone	1.601	155373	960.32	73.2	1447.45	44017	103.9527 ng/ml
Ketamine	4.043	951607	41640.06	43.2	964.86	376754	108.4730 ng/ml
Lamotrigine	4.273	51587	2306.85	85.8	15934.41	376754	104.9970 ng/ml
Lorazepam	5.749	716917	2494.75	51.6	∞	50533	94.6722 ng/ml
MDA	3.204	933005	17255.33	10.6	4375.50	77957	117.2085 ng/ml
MDMA	3.298	1084249	13718.89	34.4	5752.70	63400	110.7451 ng/ml
Meprobamate	4.923	37424	6509.59	23.0	518.21	24854	107.0476 ng/ml

AM #28 Multi-Drug Quant. Results

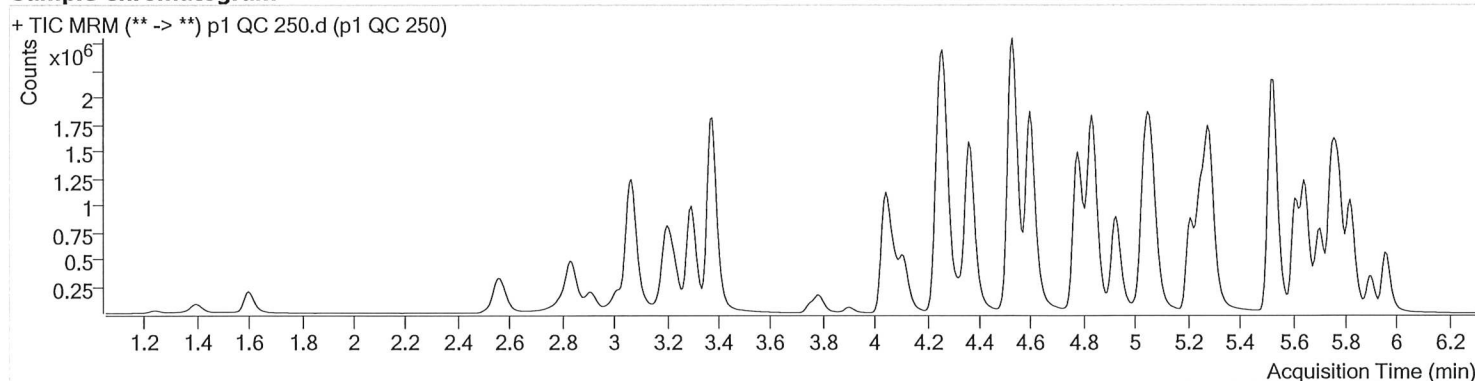| Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.650	788630	19517.60	46.1	1225.94	270179	103.6707 ng/ml
Methamphetamine	3.239	355153	5874.25	44.2	2661.44	297812	112.1928 ng/ml
Metoprolol	4.325	114656	106700.68	94.5	3271.01	745361	107.7418 ng/ml
Mirtazapine	4.596	1639190	104532.56	53.4	125260.82	558549	99.7579 ng/ml
Mitragynine	5.208	121483	326464.35	39.2	7287.48	270179	114.5776 ng/ml
Morphine	1.240	22328	435.72	24.9	133.29	4154	105.9999 ng/ml
Norbuprenorphine	4.984	850	1935.02	57.8	∞	3340	10.1198 ng/ml
Nordiazepam	5.903	251290	1090.16	59.1	8069.21	69653	108.7095 ng/ml
Norfentanyl	4.085	206424	45612.86	35.6	∞	713049	10.0580 ng/ml
Norhydrocodone	3.061	6826	115.42	40.7	58.21	8701	109.8220 ng/ml
Noroxycodone	2.911	219073	192.70	44.3	657.69	46775	106.8408 ng/ml
O-desmethyl-tramadol	3.377	1957045	84486.77	6.2	7232.49	1072130	106.0376 ng/ml
Oxazepam	5.753	408705	19572.94	80.0	∞	299958	107.9590 ng/ml
Oxycodone	2.830	689336	5922.67	28.1	∞	226909	109.6378 ng/ml
Oxymorphone	1.396	110183	∞	42.9	301.15	26530	113.9649 ng/ml
Phentermine	3.790	251067	1154.44	1.3	242.58	319861	117.5083 ng/ml
Promethazine	5.529	1450534	106061.20	30.9	9950.15	610693	103.2358 ng/ml
Quetiapine	5.512	639020	∞	58.6	191660.99	68717	113.4001 ng/ml
Sertraline	5.772	269127	4834.62	92.6	5240.99	106560	104.8692 ng/ml
Temazepam	5.820	739669	15093.39	34.8	4615.94	494715	104.6951 ng/ml
Tramadol	4.245	1695872	∞	3.7	3172.54	745361	108.6803 ng/ml
Trazodone	5.059	852716	72832.08	75.9	10370.17	346085	109.6432 ng/ml
Venlafaxine	5.034	1177222	1822.00	35.4	4239.65	731415	112.1526 ng/ml
Zolpidem	4.831	1734016	1205.47	32.9	111119.18	869511	108.6477 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results   D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin
Calibration Last Update 11/18/2020 12:49:42 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-F11	**Comment**	
Injection Volume	2		
Acq. Date-Time	11/17/2020 12:57:59 AM		
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	3.132	23143	1501.23	72.7	2471.40	9844	24.8686 ng/ml
7-aminoclonazepam	4.271	301497	12802.20	87.9	∞	37324	247.7860 ng/ml
a-hydroxyalprazolam	5.695	243930	4954.88	68.4	1373.27	8061	260.8595 ng/ml
alpha-PHP	4.929	579411	40871.49	288.7	14392.78	422947	249.1381 ng/ml
alpha-PVP	4.362	2522828	117744.82	48.1	23111.81	422947	249.8703 ng/ml
Alprazolam	5.778	706624	2282.11	104.0	1183.90	47205	254.1427 ng/ml
Amphetamine	3.071	2562236	36018.92	46.4	45188.81	35451	238.0350 ng/ml
Benzoylecgonine	3.898	86510	8881.31	7.2	192.85	11499	272.9998 ng/ml
Buprenorphine	5.680	35029	202056.08	11.5	11033.75	34824	24.7321 ng/ml
Bupropion	4.780	2396399	2025.86	60.8	2019.07	204603	252.7574 ng/ml
Carisoprodol	5.727	238016	33505.18	44.9	663.98	49587	251.4732 ng/ml
Citalopram	5.210	1198487	1133.28	44.9	15766.72	239801	247.7678 ng/ml
Clonazepam	5.615	1239117	∞	31.7	40141.58	36465	243.2957 ng/ml
Cocaine	4.263	2068084	1444786.64	48.1	36020.14	479010	254.2199 ng/ml
Codeine	2.577	153511	8140.48	107.7	11488.65	23104	259.3682 ng/ml
Cyclobenzaprine	5.612	648337	58376.04	11.2	1127.72	88759	255.6600 ng/ml
Dextromethorphan	5.260	561847	191.16	80.8	541.22	105296	252.1051 ng/ml
Dextrorphan	4.111	270016	3879.46	220.7	23059.60	237255	227.7640 ng/ml
Diazepam	5.956	621425	8183.65	88.7	∞	132626	255.4353 ng/ml
Dihydrocodeine	2.555	464108	343.16	59.8	769.83	89354	253.5782 ng/ml
Diphenhydramine	5.287	1947268	559.60	30.4	514.17	1052145	253.7330 ng/ml
Doxylamine	4.528	3499853	419760.77	100.9	295142.73	488953	252.4463 ng/ml
EDDP	5.252	986484	1356.98	48.4	463.64	288432	250.3008 ng/ml
Fentanyl	5.080	58991	3873.20	53.5	∞	111062	25.5736 ng/ml
Fluoxetine	5.703	666795	673.89	8.6	5496.38	119908	251.1201 ng/ml
Hydrocodone	3.013	398625	1917.70	33.3	261.83	125721	236.8487 ng/ml
Hydromorphone	1.601	323516	1422.55	70.8	3526.19	39002	244.5023 ng/ml
Ketamine	4.043	1749143	178905.55	43.4	28031.56	298104	253.2155 ng/ml
Lamotrigine	4.273	83610	1185.86	86.8	32189.63	298104	216.6005 ng/ml
~~Lorazepam~~	~~5.749~~	~~1023543~~	~~2702.17~~	~~50.5~~	~~10061.63~~	~~36465~~	~~188.3286 ng/ml~~ *
MDA	3.204	1552810	58318.88	10.5	29974.59	61271	249.4443 ng/ml
MDMA	3.298	1989428	365998.76	33.7	63669.17	49405	261.4318 ng/ml
Meprobamate	4.930	60061	12004.83	23.0	132.84	18809	227.9004 ng/ml

p1 QC 250   Generated at 12:50 PM on 11/18/2020

*Outside curve range

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.650	1479938	49403.79	45.8	10803.87	209234	251.1855 ng/ml
Methamphetamine	3.239	478922	2684.87	43.4	3598.19	174660	259.0758 ng/ml
Metoprolol	4.325	204517	25543.98	96.4	4709.65	585686	245.7774 ng/ml
Mirtazapine	4.596	3100110	∞	52.1	897550.05	422947	248.5582 ng/ml
Mitragynine	5.208	211028	∞	40.0	224148.15	209234	257.8525 ng/ml
Morphine	1.240	48139	3392.82	25.3	540.96	3858	246.4469 ng/ml
Norbuprenorphine	4.984	1627	1989.76	58.1	1497.61	2586	24.9947 ng/ml
Nordiazepam	5.903	434202	∞	60.6	1876.79	51010	256.5779 ng/ml
Norfentanyl	4.085	401621	113263.08	34.9	6571.46	557092	24.9932 ng/ml
Norhydrocodone	3.061	13378	200.27	40.7	478.83	6594	280.7464 ng/ml
Noroxycodone	2.911	398993	1901.32	44.5	1725.52	36599	249.0596 ng/ml
O-desmethyl-tramadol	3.377	3677027	∞	6.3	1369.36	840189	254.5696 ng/ml
Oxazepam	5.753	630728	∞	79.9	26422.71	201209	248.9642 ng/ml
Oxycodone	2.830	1314152	7847.32	27.9	1674.49	188261	252.5937 ng/ml
Oxymorphone	1.396	201812	∞	42.8	538.22	21739	255.5122 ng/ml
Phentermine	3.790	386274	3613.60	1.3	281.93	223538	259.7275 ng/ml
Promethazine	5.529	2543685	1575.09	30.6	918.67	445864	247.3728 ng/ml
Quetiapine	5.512	1218611	235331.39	58.5	1418971.25	58184	256.4965 ng/ml
Sertraline	5.772	408775	17552.56	90.8	37685.04	66741	254.6327 ng/ml
Temazepam	5.819	1349924	40410.43	34.3	1016.14	375201	252.4131 ng/ml
Tramadol	4.245	3086772	177929.96	3.6	10020.37	585686	252.9910 ng/ml
Trazodone	5.059	1574827	292293.11	76.9	105022.06	281299	250.1529 ng/ml
Venlafaxine	5.034	2203025	1244.35	34.8	23058.52	573502	267.7860 ng/ml
Zolpidem	4.831	3256789	456965.83	32.4	243028.46	703908	252.5280 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results   D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin
Calibration Last Update   11/18/2020 12:49:42 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-E11	**Comment**	
Injection Volume	2		
Acq. Date-Time	11/17/2020 1:19:11 AM		
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	3.132	89459	99779.19	72.3	6562.07	9475	100.1236 ng/ml
7-aminoclonazepam	4.284	469313	∞	86.4	3211.99	13440	1069.9865 ng/ml
a-hydroxyalprazolam	5.695	483580	418.54	66.7	∞	4556	915.9311 ng/ml
alpha-PHP	4.929	1726256	93779.86	293.0	∞	313045	1003.4675 ng/ml
alpha-PVP	4.362	7568927	65727.19	48.3	101829.03	313045	1012.7841 ng/ml
Alprazolam	5.778	1611684	1755.94	103.0	687.75	26264	1036.1701 ng/ml
Amphetamine	3.071	4523424	63923.88	47.1	39991.88	17891	835.5196 ng/ml
Benzoylecgonine	3.898	461946	114875.57	7.3	3292.75	12075	1388.0858 ng/ml *
Buprenorphine	5.680	115101	∞	10.8	∞	18780	150.3168 ng/ml *
Bupropion	4.780	7131697	273956.51	59.9	116674.54	164878	934.3393 ng/ml
Carisoprodol	5.727	456838	31561.34	43.0	5025.96	23526	1017.1095 ng/ml
Citalopram	5.210	3057902	8710.05	44.1	29755.34	153513	988.0472 ng/ml
Clonazepam	5.615	1908718	42574.09	32.2	33237.41	18182	752.8890 ng/ml *
Cocaine	4.263	5330019	140401.34	47.8	130689.31	305610	1027.3231 ng/ml
Codeine	2.583	408436	∞	103.9	26825.09	17898	892.7144 ng/ml
Cyclobenzaprine	5.612	1771146	1713.12	11.4	1968.69	51847	1192.5441 ng/ml
Dextromethorphan	5.253	1306803	68383.34	80.8	1184.25	59975	1028.9004 ng/ml
Dextrorphan	4.111	868570	33197.93	218.1	171574.96	169185	1021.2133 ng/ml
Diazepam	5.963	1486226	8752.09	88.8	∞	86436	938.1760 ng/ml
Dihydrocodeine	2.555	1315686	806.64	60.2	24397.75	88191	729.3955 ng/ml *
Diphenhydramine	5.287	5213352	721431.27	31.5	4088.46	708377	1010.7055 ng/ml
Doxylamine	4.528	11441513	∞	98.8	207798.50	435696	927.2133 ng/ml
EDDP	5.252	3284350	7860.41	46.5	1925.81	238497	1007.3075 ng/ml
Fentanyl	5.080	205145	2604.94	55.9	1715.49	78218	126.2401 ng/ml *
Fluoxetine	5.703	1549153	∞	8.5	∞	69905	1000.8412 ng/ml
Hydrocodone	3.013	1158076	1543.28	34.9	∞	113171	765.9547 ng/ml *
Hydromorphone	1.601	999080	∞	73.2	673.80	30690	960.0793 ng/ml
Ketamine	4.044	5182475	229517.40	43.4	3788.82	251877	890.2600 ng/ml
Lamotrigine	4.286	151310	∞	84.4	∞	251877	465.5882 ng/ml *
Lorazepam	5.743	1197547	∞	48.2	5624.79	18182	443.3171 ng/ml *
MDA	3.204	3600273	221617.28	9.9	20355.19	44243	803.4098 ng/ml
MDMA	3.298	5381374	∞	33.0	56407.37	36651	954.5682 ng/ml
Meprobamate	4.936	103805	3244.72	22.2	2011.48	13196	562.6047 ng/ml *

p1 QC 1000

*Outside curve range

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.650	4362343	645.05	45.7	828.29	151558	1022.1131 ng/ml
Methamphetamine	3.239	650321	4505.74	44.2	5443.60	63459	970.5923 ng/ml
Metoprolol	4.325	501558	51205.24	97.4	∞	446688	792.4001 ng/ml
Mirtazapine	4.596	9767885	∞	52.1	1091616.84	313045	1056.8090 ng/ml
Mitragynine	5.208	576696	8075.04	38.7	28202.18	151558	974.7066 ng/ml
Morphine	1.246	150695	1746.70	25.6	2538.45	3229	922.5356 ng/ml
Norbuprenorphine	4.984	5760	5025.52	61.5	1741.73	2446	93.4412 ng/ml
Nordiazepam	5.903	933637	4131.15	60.6	12098.54	28396	991.2516 ng/ml
Norfentanyl	4.085	1294941	2543685.62	35.3	6675.15	414580	108.1660 ng/ml
~~Norhydrocodone~~	~~3.061~~	~~70711~~	~~263.61~~	~~39.2~~	~~191.17~~	~~6117~~	~~1590.2259 ng/ml~~ *
Noroxycodone	2.911	1002229	1867.22	45.7	∞	23959	956.4816 ng/ml
O-desmethyl-tramadol	3.377	10745170	378935.14	6.4	77041.51	631975	989.7107 ng/ml
~~Oxazepam~~	~~5.753~~	~~679847~~	~~∞~~	~~84.2~~	~~11192.02~~	~~69868~~	~~773.7695 ng/ml~~ *
Oxycodone	2.836	4259628	∞	27.6	4443.13	167172	923.4027 ng/ml
Oxymorphone	1.396	593860	2101.31	41.5	863.34	18272	896.1641 ng/ml
Phentermine	3.790	756420	2245.17	1.2	1849.96	134044	850.1335 ng/ml
Promethazine	5.529	7392812	253778.54	29.9	∞	316255	1012.2913 ng/ml
~~Quetiapine~~	~~5.512~~	~~3395443~~	~~285452.37~~	~~58.2~~	~~96010.15~~	~~52206~~	~~798.3653 ng/ml~~ *
Sertraline	5.765	803550	140871.47	90.1	27612.91	33136	1008.8434 ng/ml
Temazepam	5.826	3180106	∞	33.6	13763.38	228795	976.1009 ng/ml
Tramadol	4.245	8160695	384951.30	3.5	9844.93	446688	879.3081 ng/ml
~~Trazodone~~	~~5.059~~	~~4337702~~	~~423523.56~~	~~76.2~~	~~478344.16~~	~~251448~~	~~772.4923 ng/ml~~ *
Venlafaxine	5.034	6245763	487575.67	34.3	10304.02	406843	1070.4447 ng/ml
Zolpidem	4.831	9771256	∞	32.2	177292.44	577975	923.6611 ng/ml

*Outside curve range

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin

Last Cal. Update   11/18/2020 12:49 PM

Analyst Name   ISP\datastor

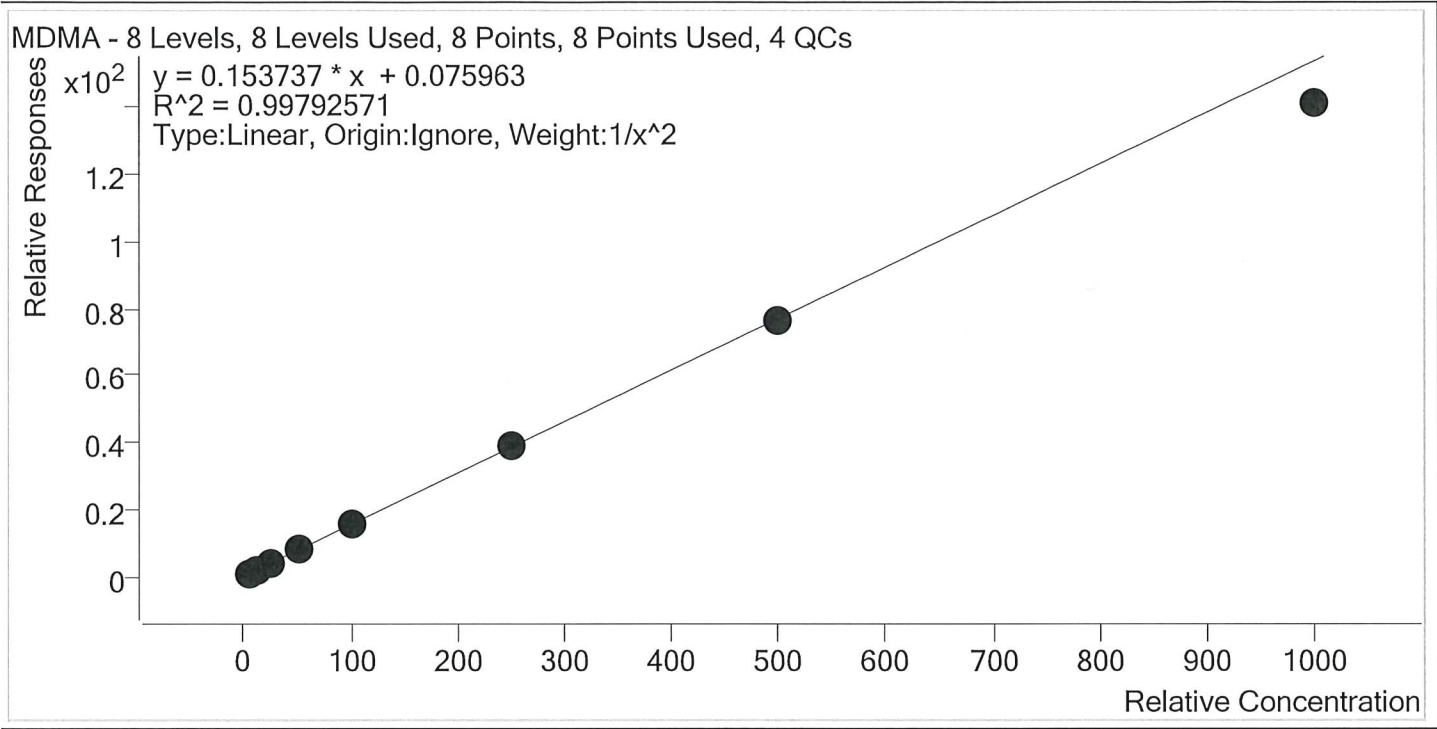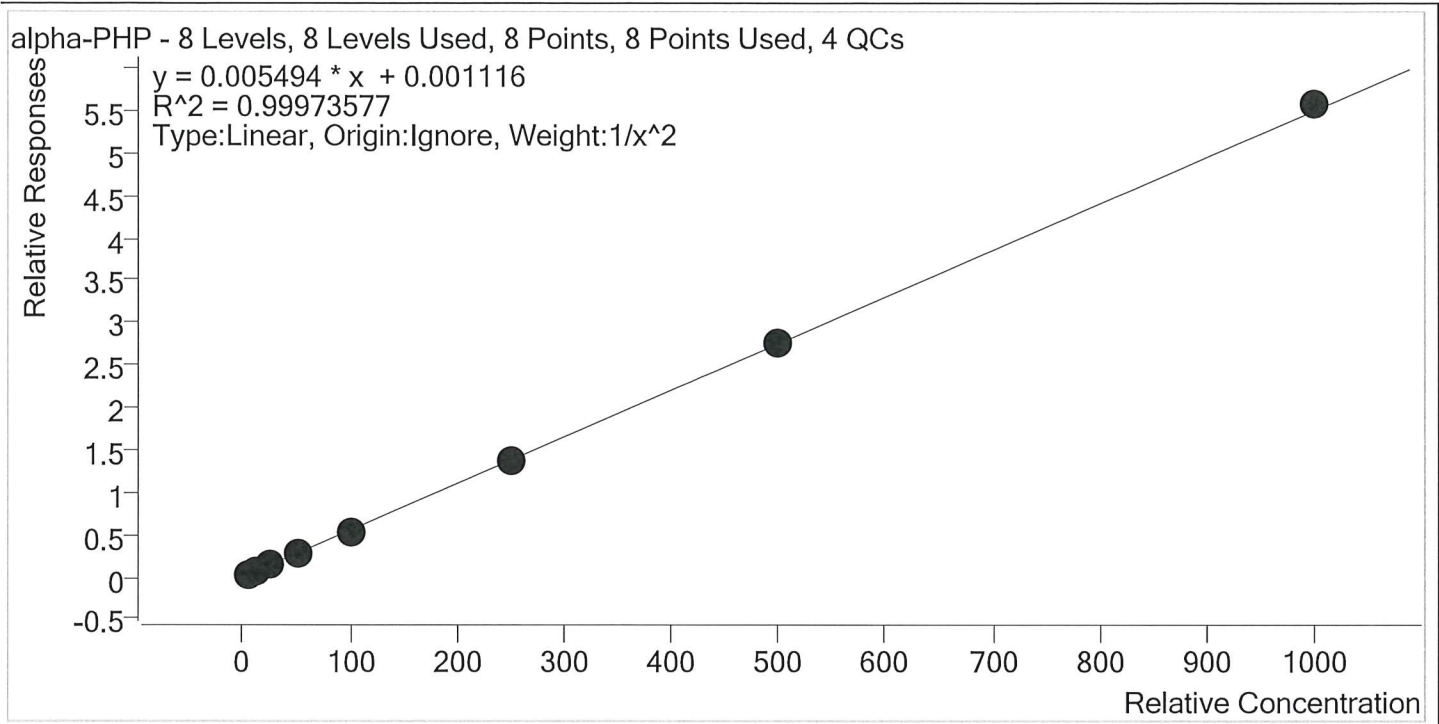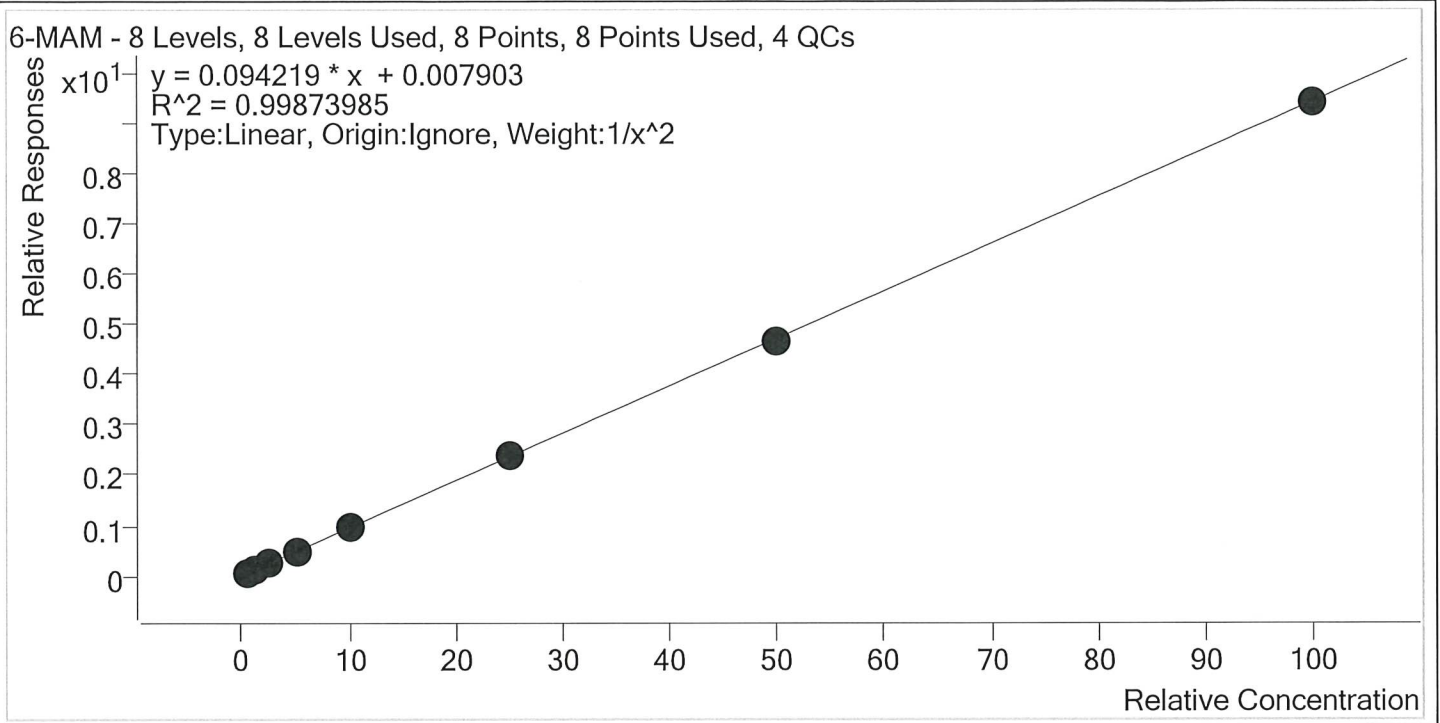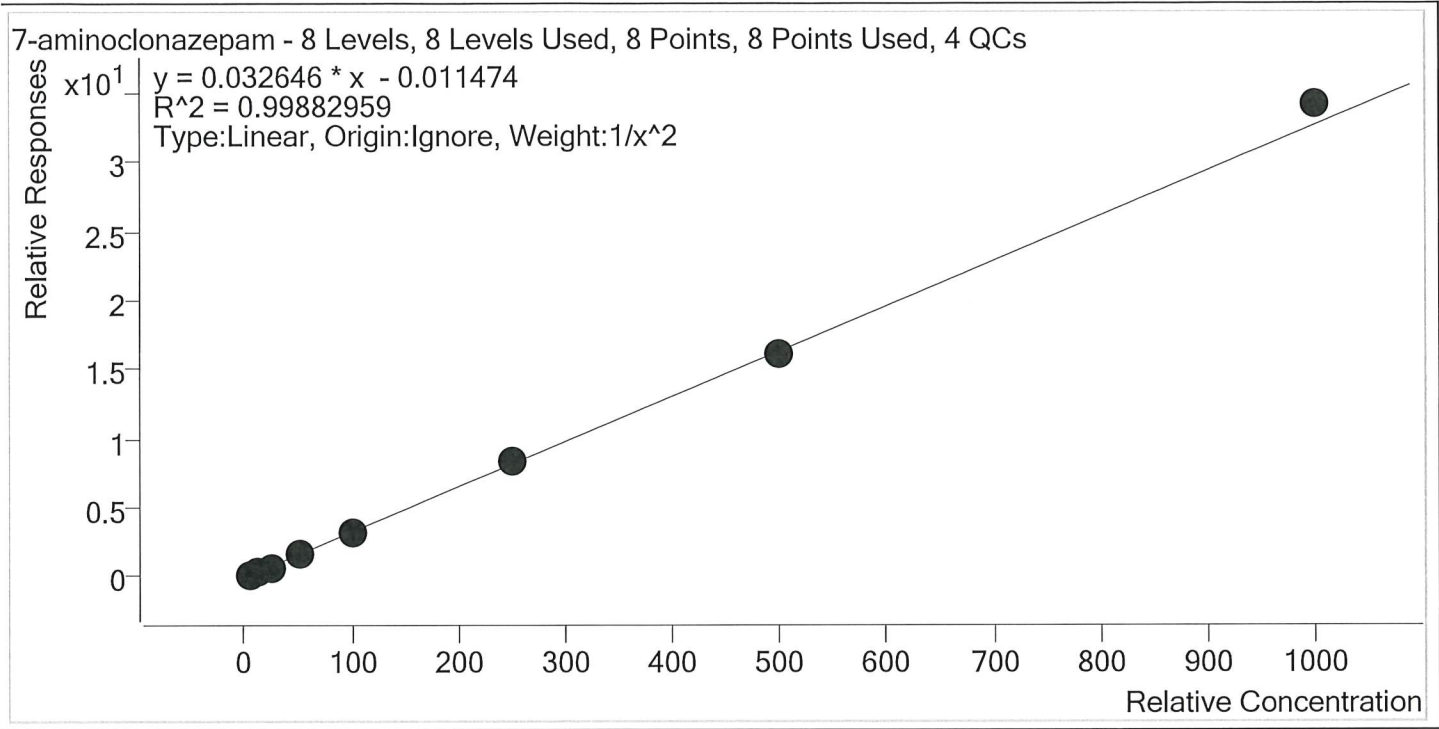**Analyte**   MDA   **Internal Standard**   MDA-D5
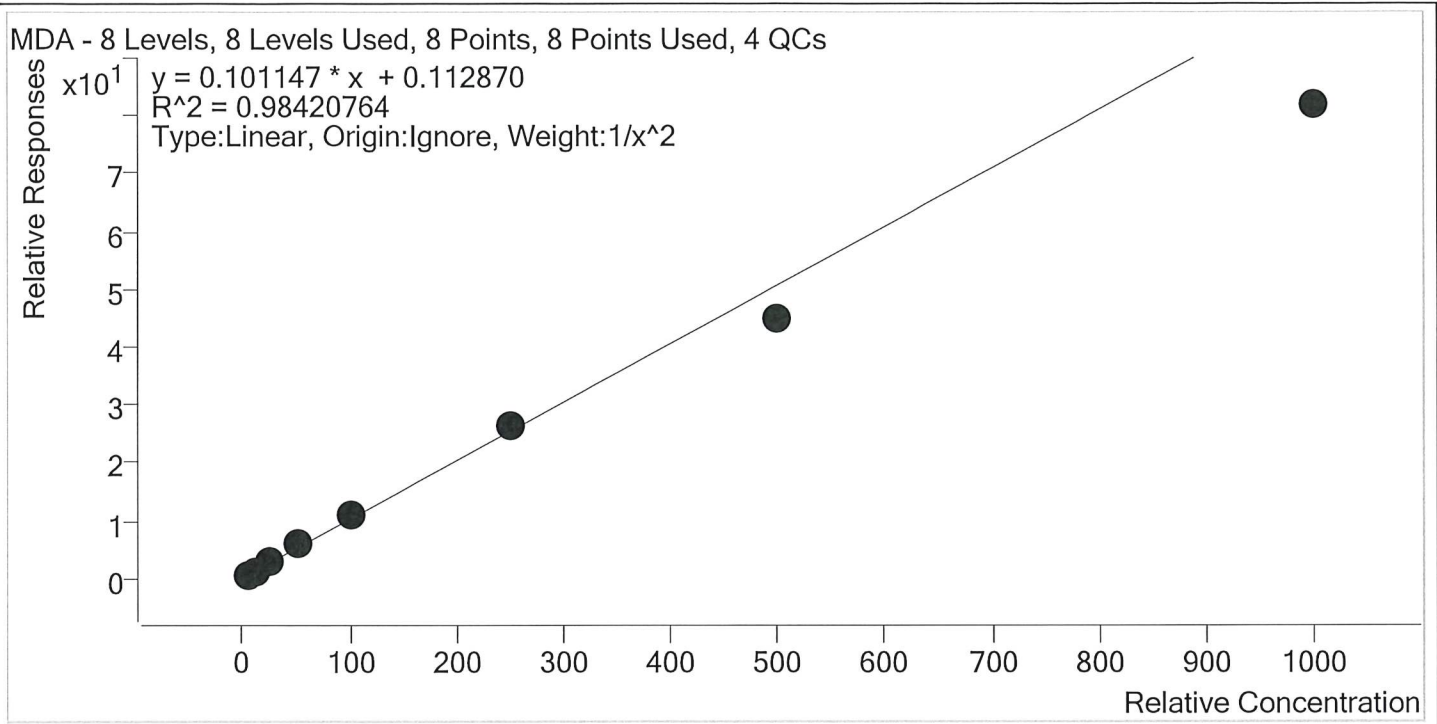
MDA - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.101147 * x + 0.112870$

$R^2 = 0.98420764$

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

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	95.0
p1 Cal 2- 10ng	2	✓	10.0	10.4	103.7
p1 Cal 3 -25ng	3	✓	25.0	27.0	108.2
p1 Cal 4-50ng	4	✓	50.0	56.1	112.3
p1 Cal 5-100ng	5	✓	100.0	108.8	108.8
p1 Cal 6-250ng	6	✓	250.0	257.3	102.9
p1 Cal 7-500ng	7	✓	500.0	441.5	88.3
p1 Cal 8-1000ng	8	✓	1000.0	808.3	80.8

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin
Last Cal. Update	11/18/2020 12:49 PM
Analyst Name	ISP\datastor
Analyte	MDMA	**Internal Standard**	MDMA-D6

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

$y = 0.153737 * x + 0.075963$
$R^2 = 0.99792571$
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	9.9	98.5
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.5
p1 Cal 4-50ng	4	✓	50.0	52.7	105.4
p1 Cal 5-100ng	5	✓	100.0	102.5	102.5
p1 Cal 6-250ng	6	✓	250.0	254.9	102.0
p1 Cal 7-500ng	7	✓	500.0	496.6	99.3
p1 Cal 8-1000ng	8	✓	1000.0	917.8	91.8

Generated at 12:50 PM on 11/18/2020

Batch results	D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin
Last Cal. Update	11/18/2020 12:49 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

$y = 0.005494 * x + 0.001116$
$R^2 = 0.99973577$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.3
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.6
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.6
p1 Cal 4-50ng	4	✓	50.0	51.2	102.5
p1 Cal 5-100ng	5	✓	100.0	98.7	98.7
p1 Cal 6-250ng	6	✓	250.0	246.6	98.6
p1 Cal 7-500ng	7	✓	500.0	501.6	100.3
p1 Cal 8-1000ng	8	✓	1000.0	1013.9	101.4

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin
Last Cal. Update	11/18/2020 12:49 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

$y = 0.094219 * x + 0.007903$
$R^2 = 0.99873985$
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	97.2
p1 Cal 2- 10ng	2	✓	1.0	1.1	106.9
p1 Cal 3 -25ng	3	✓	2.5	2.4	97.1
p1 Cal 4-50ng	4	✓	5.0	4.9	98.9
p1 Cal 5-100ng	5	✓	10.0	10.0	100.4
p1 Cal 6-250ng	6	✓	25.0	25.1	100.4
p1 Cal 7-500ng	7	✓	50.0	49.7	99.3
p1 Cal 8-1000ng	8	✓	100.0	99.8	99.8

    Generated at 12:50 PM on 11/18/2020

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin
Last Cal. Update   11/18/2020 12:49 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

$y = 0.032646 * x - 0.011474$
$R^2 = 0.99882959$
Type:Linear, Origin:Ignore, Weight:1/x^2

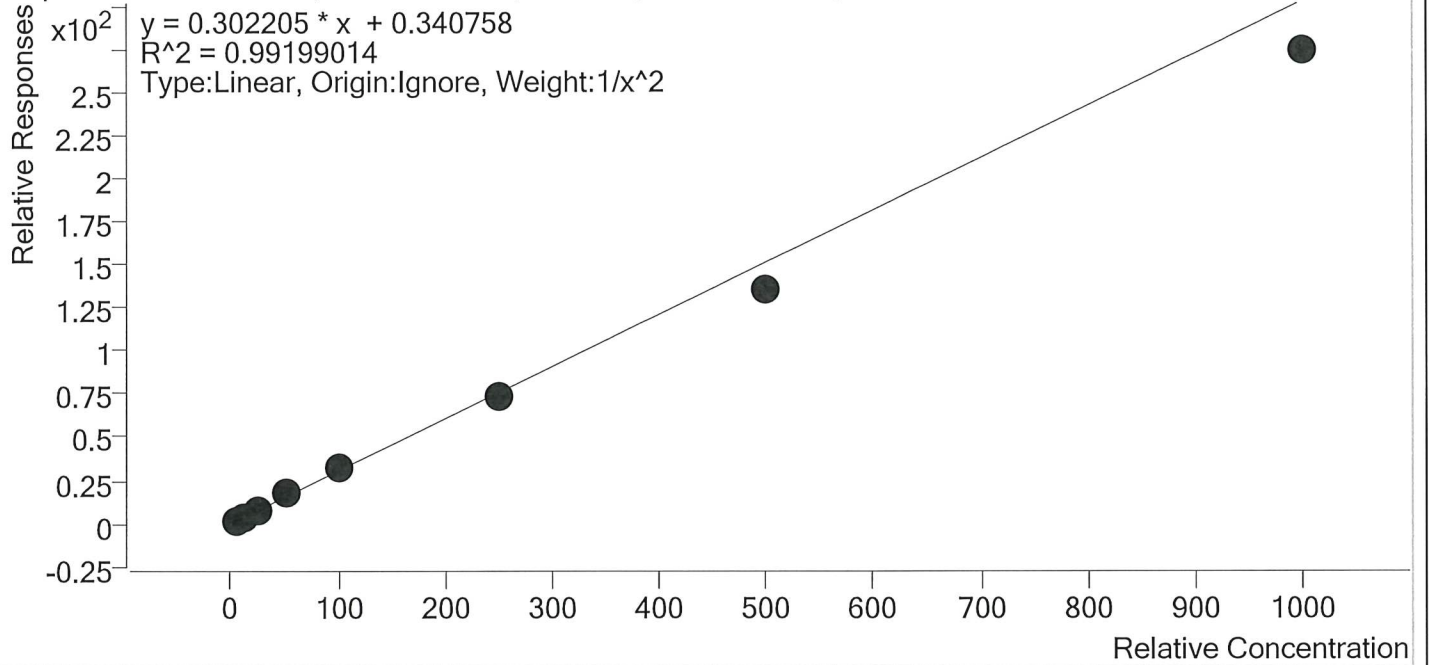| Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.2
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	23.5	93.9
p1 Cal 4-50ng	4	✓	50.0	50.2	100.4
p1 Cal 5-100ng	5	✓	100.0	99.5	99.5
p1 Cal 6-250ng	6	✓	250.0	253.1	101.2
p1 Cal 7-500ng	7	✓	500.0	496.0	99.2
p1 Cal 8-1000ng	8	✓	1000.0	1046.0	104.6

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin

Last Cal. Update   11/18/2020 12:49 PM

Analyst Name   ISP\datastor

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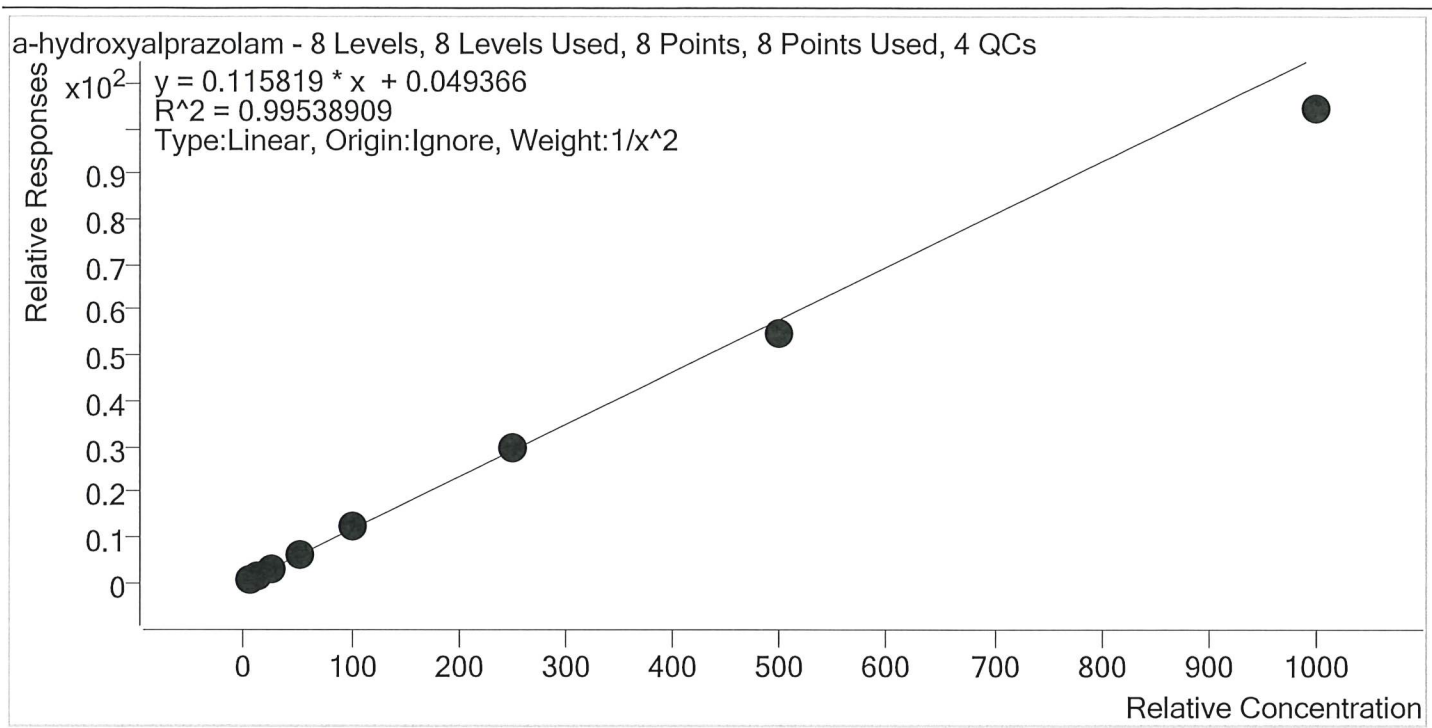
a-hydroxyalprazolam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.115819 * x + 0.049366$

$R^2 = 0.99538909$

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	97.6
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.8
p1 Cal 3 -25ng	3	✓	25.0	26.5	105.9
p1 Cal 4-50ng	4	✓	50.0	54.0	107.9
p1 Cal 5-100ng	5	✓	100.0	102.7	102.7
p1 Cal 6-250ng	6	✓	250.0	252.4	100.9
p1 Cal 7-500ng	7	✓	500.0	470.6	94.1
p1 Cal 8-1000ng	8	✓	1000.0	900.9	90.1

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin	
Last Cal. Update	11/18/2020 12:49 PM	
Analyst Name	ISP\datastor	
Analyte	alpha-PVP	**Internal Standard** alpha-PVP-d8
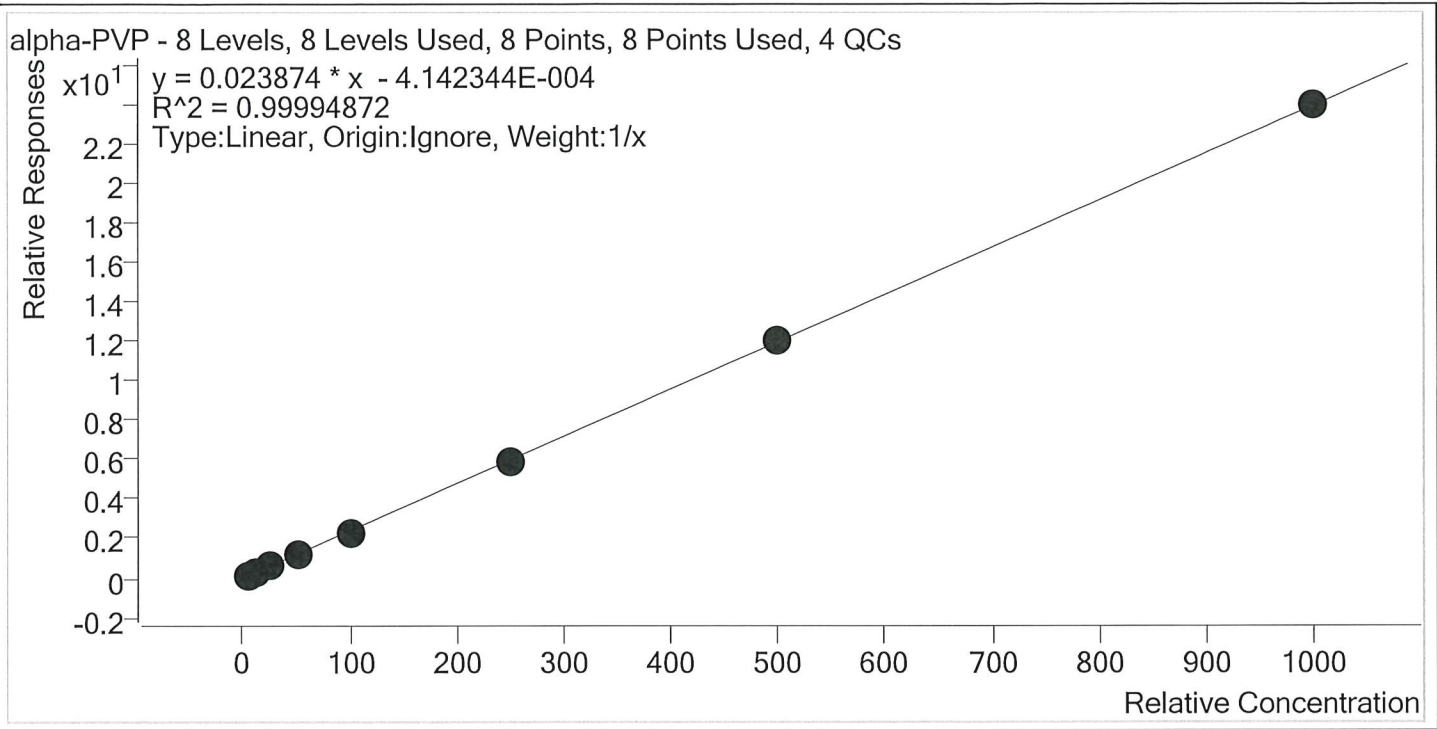
alpha-PVP - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.023874 * x - 4.142344E\text{-}004$
$R^2 = 0.99994872$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.4
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.2
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.5
p1 Cal 4-50ng	4	✓	50.0	50.6	101.1
p1 Cal 5-100ng	5	✓	100.0	97.6	97.6
p1 Cal 6-250ng	6	✓	250.0	249.5	99.8
p1 Cal 7-500ng	7	✓	500.0	501.2	100.2
p1 Cal 8-1000ng	8	✓	1000.0	1001.5	100.2

Generated at 12:50 PM on 11/18/2020

Batch results   D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin
Last Cal. Update   11/18/2020 12:49 PM
Analyst Name   ISP\datastor
Analyte   Alprazolam   **Internal Standard**   Alprazolam-D5
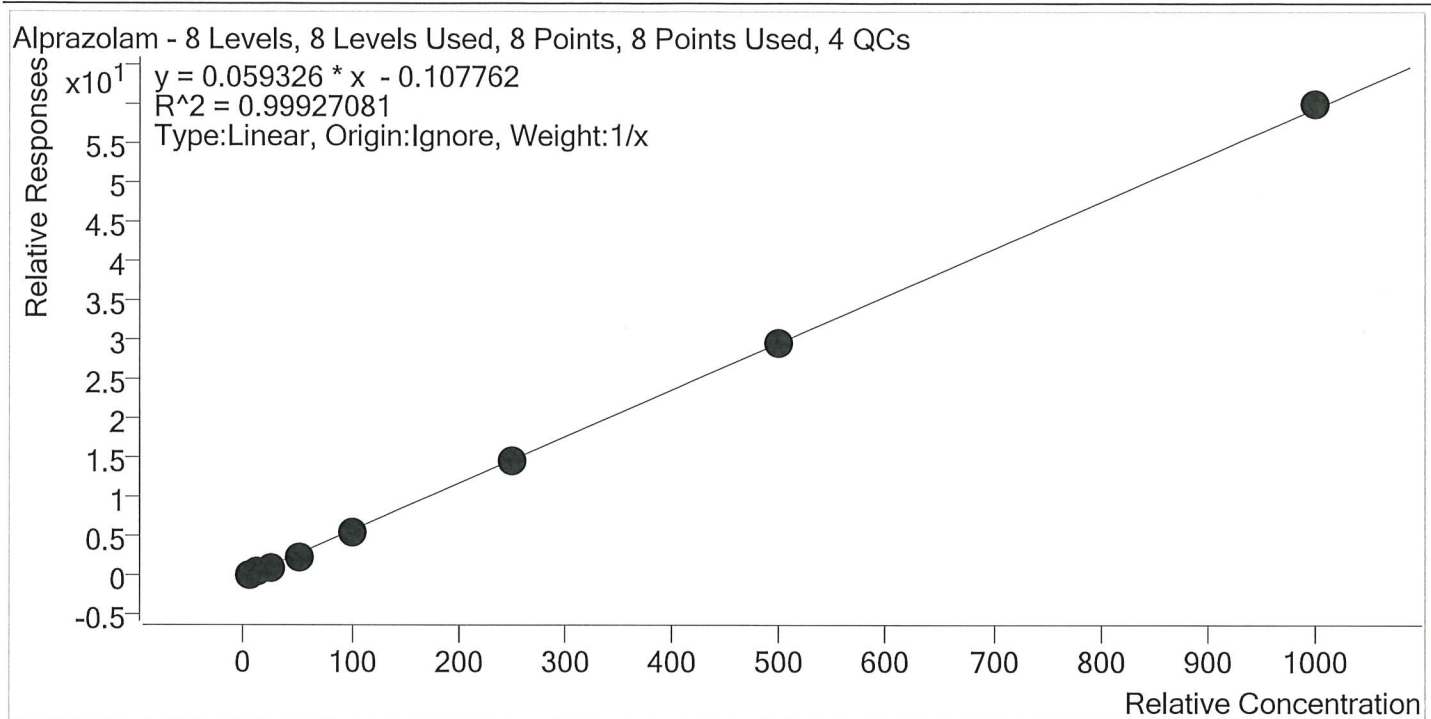
Alprazolam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.059326 * x - 0.107762$
$R^2 = 0.99927081$
Type:Linear, Origin:Ignore, Weight:1/x

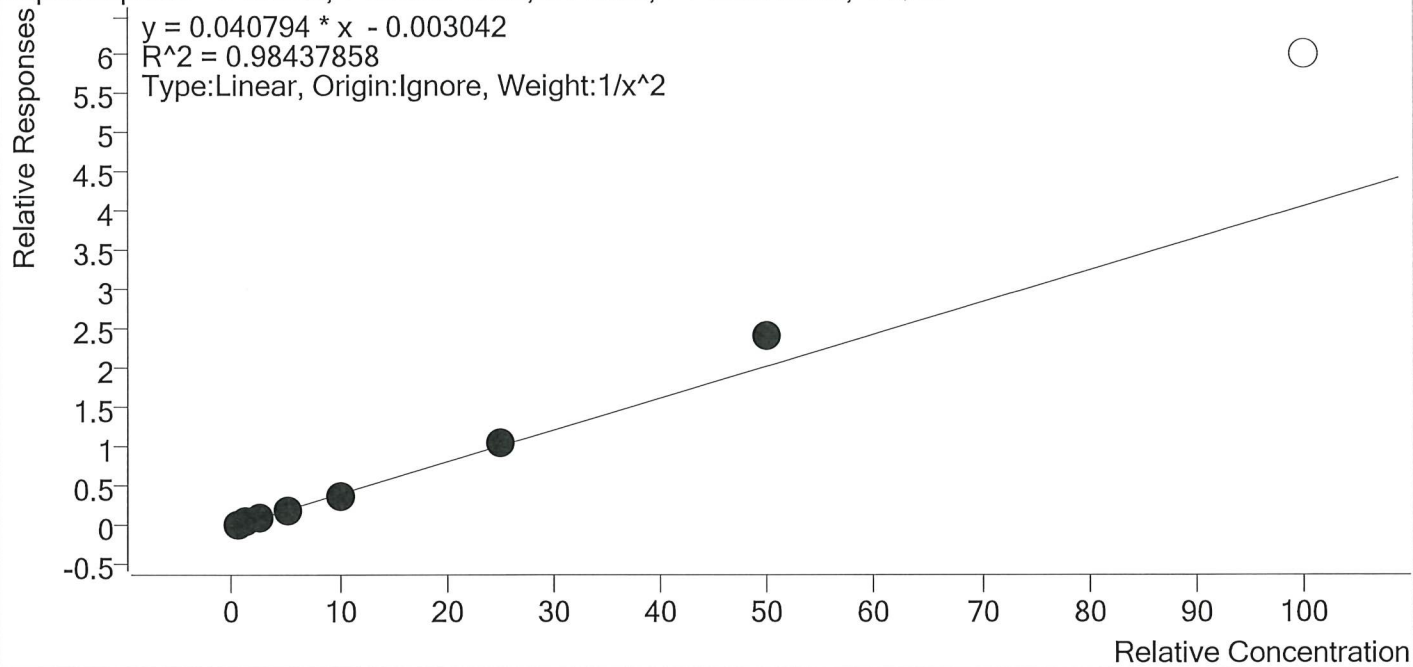| Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	6.0	119.3
p1 Cal 2- 10ng	2	✓	10.0	10.4	103.7
p1 Cal 3 -25ng	3	✓	25.0	22.5	89.9
p1 Cal 4-50ng	4	✓	50.0	45.7	91.4
p1 Cal 5-100ng	5	✓	100.0	93.9	93.9
p1 Cal 6-250ng	6	✓	250.0	251.9	100.8
p1 Cal 7-500ng	7	✓	500.0	500.7	100.1
p1 Cal 8-1000ng	8	✓	1000.0	1009.0	100.9

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin

Last Cal. Update   11/18/2020 12:49 PM

Analyst Name   ISP\datastor

Analyte   Amphetamine   **Internal Standard**   Amphetamine-D11

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

$y = 0.302205 * x + 0.340758$

$R^2 = 0.99199014$

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	95.5
p1 Cal 2- 10ng	2	✓	10.0	10.4	103.9
p1 Cal 3 -25ng	3	✓	25.0	26.9	107.4
p1 Cal 4-50ng	4	✓	50.0	55.0	110.0
p1 Cal 5-100ng	5	✓	100.0	105.4	105.4
p1 Cal 6-250ng	6	✓	250.0	244.8	97.9
p1 Cal 7-500ng	7	✓	500.0	447.1	89.4
p1 Cal 8-1000ng	8	✓	1000.0	905.1	90.5

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin
Last Cal. Update   11/18/2020 12:49 PM
Analyst Name   ISP\datastor
Analyte   Benzoylecgonine   **Internal Standard**   Benzoylecgonine-d8
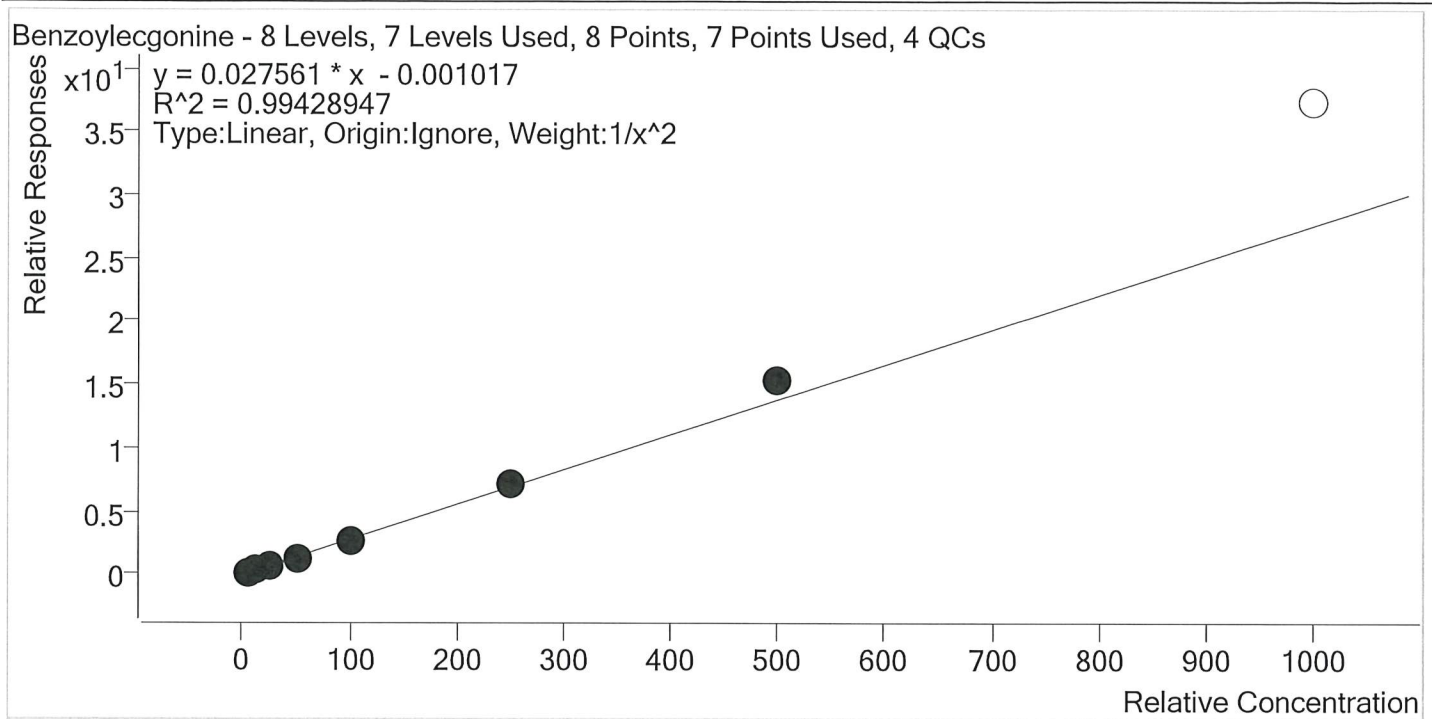
Benzoylecgonine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs

$y = 0.027561 * x - 0.001017$
$R^2 = 0.99428947$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.9
p1 Cal 2- 10ng	2	✓	10.0	9.5	95.0
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.7
p1 Cal 4-50ng	4	✓	50.0	47.6	95.2
p1 Cal 5-100ng	5	✓	100.0	96.2	96.2
p1 Cal 6-250ng	6	✓	250.0	254.9	102.0
p1 Cal 7-500ng	7	✓	500.0	560.5	112.1
p1 Cal 8-1000ng	8	✗	1000.0	1352.9	135.3

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin
Last Cal. Update   11/18/2020 12:49 PM
Analyst Name   ISP\datastor
Analyte   Buprenorphine   **Internal Standard**   Buprenorphine-D4

Buprenorphine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs
$y = 0.040794 * x - 0.003042$
$R^2 = 0.98437858$
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	105.7
p1 Cal 2- 10ng	2	✓	1.0	0.9	93.9
p1 Cal 3 -25ng	3	✓	2.5	2.2	89.0
p1 Cal 4-50ng	4	✓	5.0	4.9	97.8
p1 Cal 5-100ng	5	✓	10.0	9.0	89.8
p1 Cal 6-250ng	6	✓	25.0	26.2	104.9
p1 Cal 7-500ng	7	✓	50.0	59.5	118.9
p1 Cal 8-1000ng	8	✗	100.0	147.5	147.5

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin
Last Cal. Update   11/18/2020 12:49 PM
Analyst Name   ISP\datastor
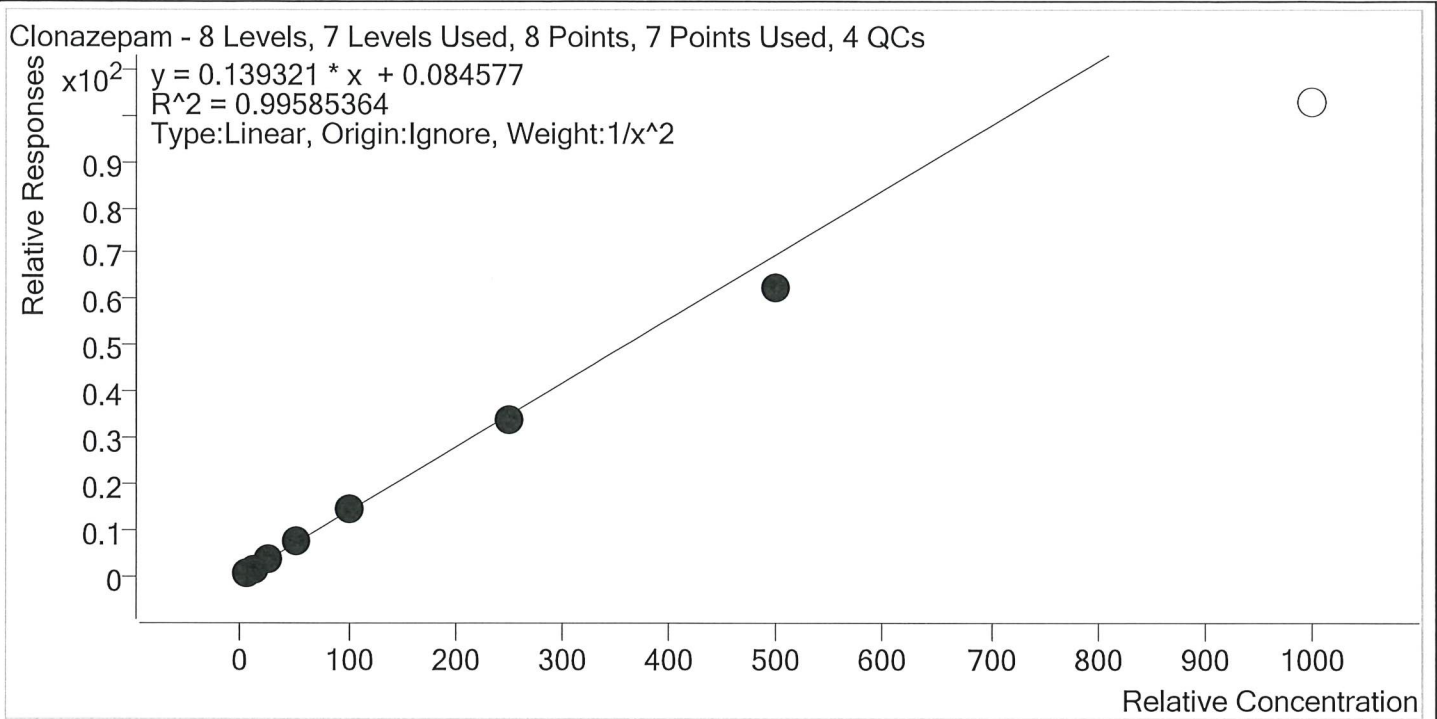
Analyte	Bupropion	**Internal Standard**	Bupropion-D9
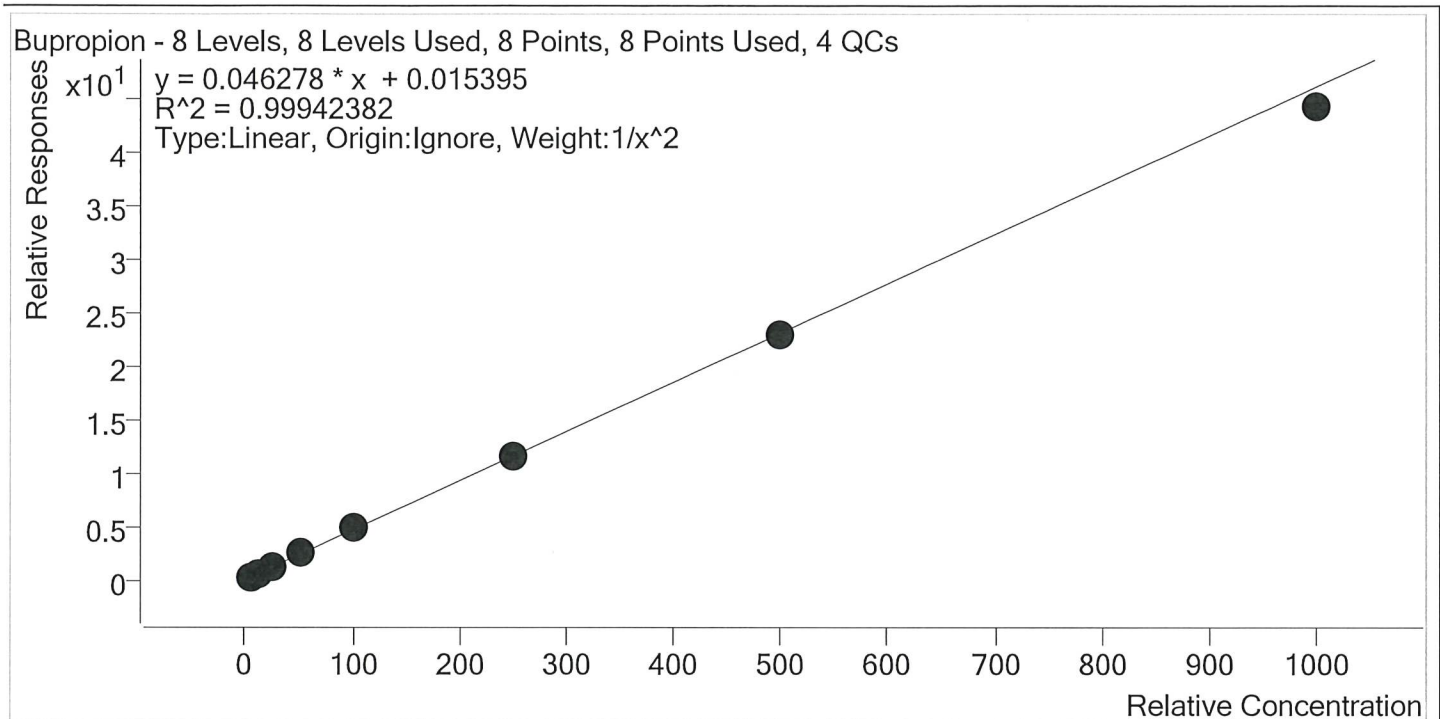
Bupropion - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.046278 * x + 0.015395$
$R^2 = 0.99942382$
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	100.7
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.6
p1 Cal 4-50ng	4	✓	50.0	51.1	102.3
p1 Cal 5-100ng	5	✓	100.0	102.3	102.3
p1 Cal 6-250ng	6	✓	250.0	250.6	100.2
p1 Cal 7-500ng	7	✓	500.0	493.7	98.7
p1 Cal 8-1000ng	8	✓	1000.0	959.2	95.9

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin
Last Cal. Update   11/18/2020 12:49 PM
Analyst Name   ISP\datastor
**Analyte**   Carisoprodol   **Internal Standard**   Carisoprodol-D7
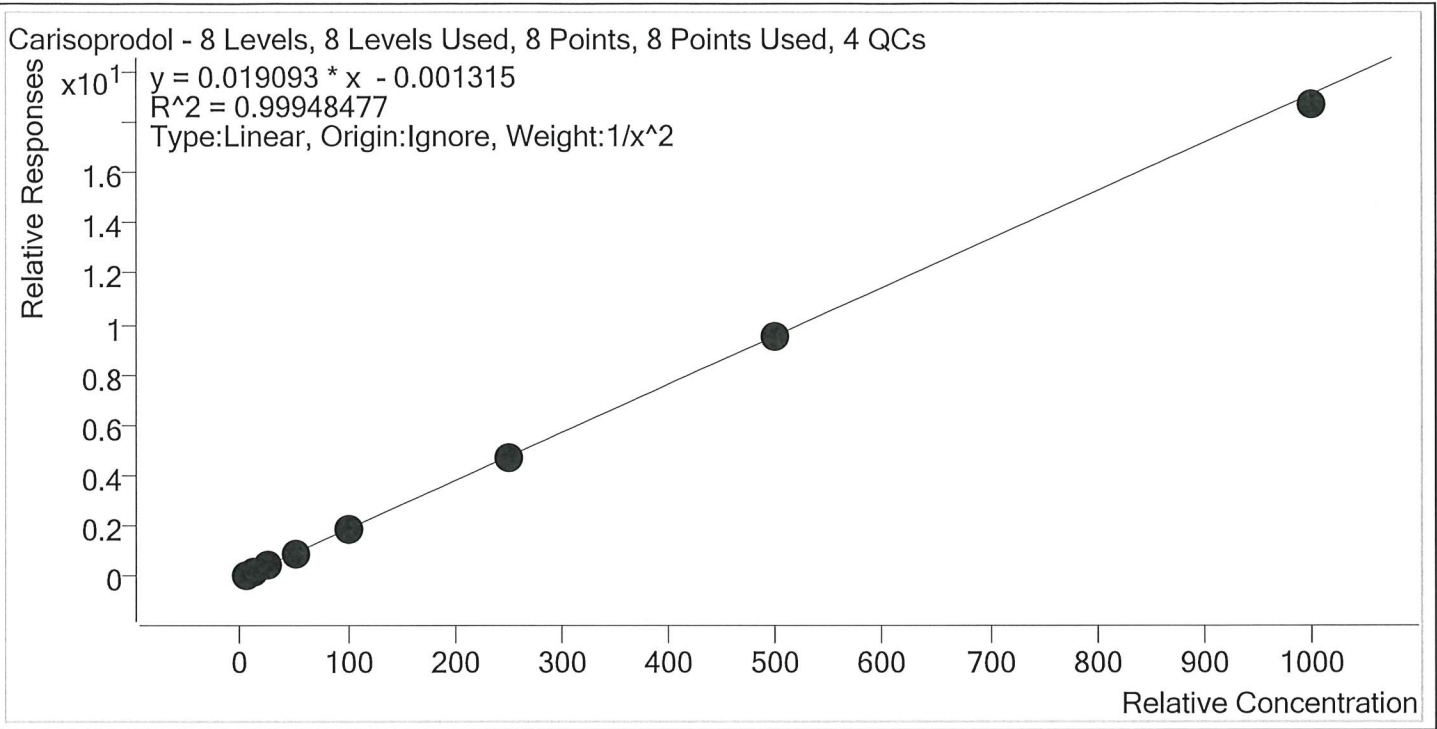
Carisoprodol - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.019093 * x - 0.001315$
$R^2 = 0.99948477$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.0
p1 Cal 2- 10ng	2	✓	10.0	10.4	103.6
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.8
p1 Cal 4-50ng	4	✓	50.0	50.5	101.1
p1 Cal 5-100ng	5	✓	100.0	100.6	100.6
p1 Cal 6-250ng	6	✓	250.0	245.5	98.2
p1 Cal 7-500ng	7	✓	500.0	500.2	100.0
p1 Cal 8-1000ng	8	✓	1000.0	978.0	97.8

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin
Last Cal. Update	11/18/2020 12:49 PM
Analyst Name	ISP\datastor
Analyte	Citalopram

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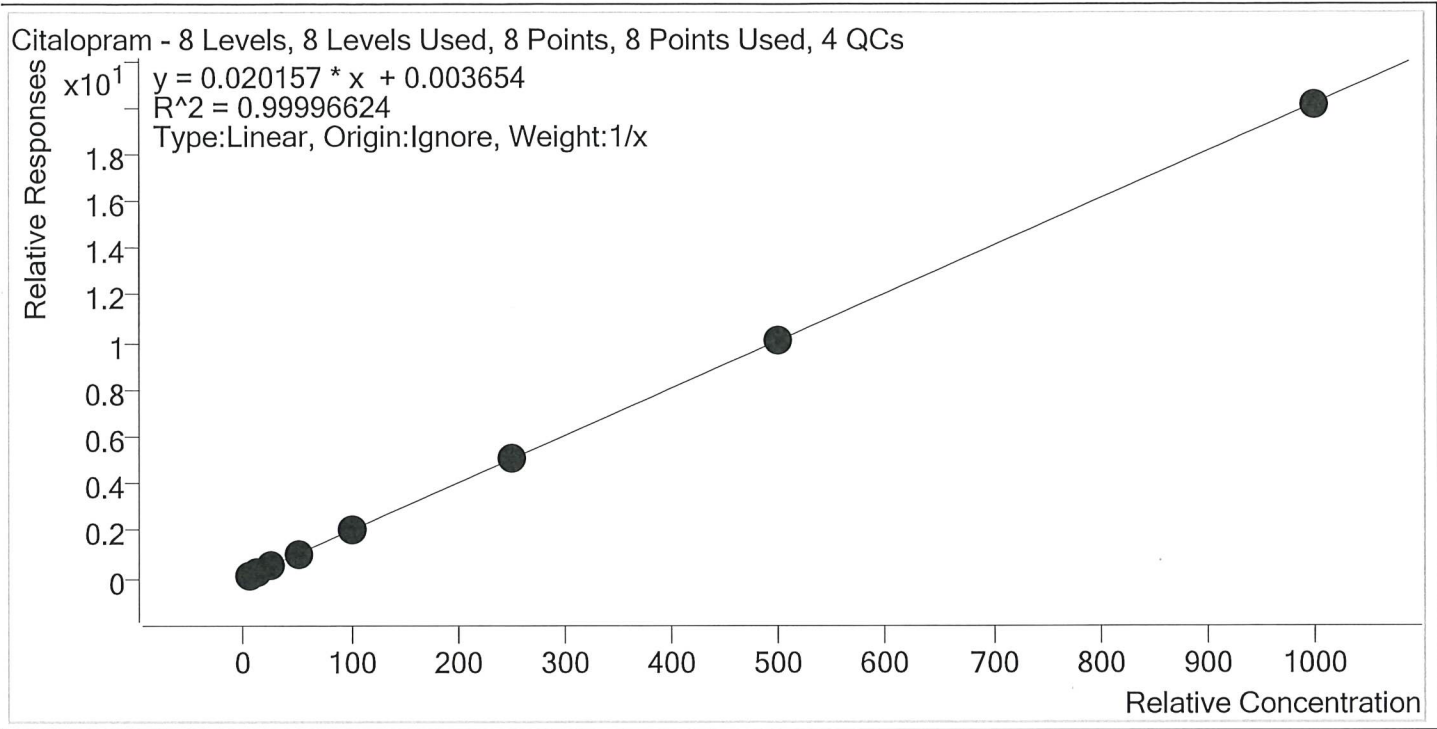
Citalopram - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.020157 * x + 0.003654$

$R^2 = 0.99996624$

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

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.4
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.0
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.3
p1 Cal 4-50ng	4	✓	50.0	51.1	102.2
p1 Cal 5-100ng	5	✓	100.0	101.0	101.0
p1 Cal 6-250ng	6	✓	250.0	251.1	100.4
p1 Cal 7-500ng	7	✓	500.0	500.7	100.1
p1 Cal 8-1000ng	8	✓	1000.0	996.6	99.7

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin
Last Cal. Update   11/18/2020 12:49 PM
Analyst Name   ISP\datastor
Analyte   Clonazepam   **Internal Standard**   Clonazepam-D4

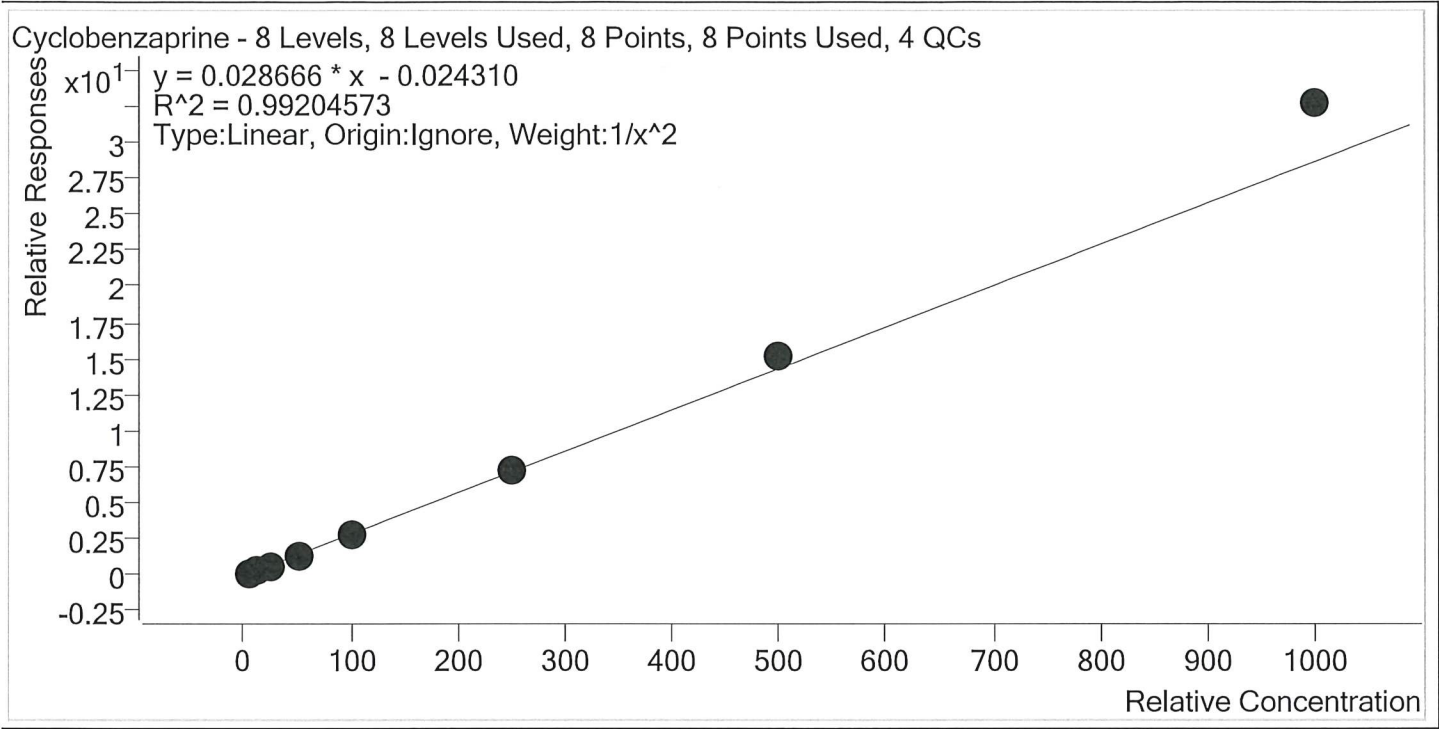Clonazepam - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs
$y = 0.139321 * x + 0.084577$
$R^2 = 0.99585364$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

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	101.9
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.2
p1 Cal 4-50ng	4	✓	50.0	52.6	105.3
p1 Cal 5-100ng	5	✓	100.0	104.2	104.2
p1 Cal 6-250ng	6	✓	250.0	245.2	98.1
p1 Cal 7-500ng	7	✓	500.0	447.5	89.5
p1 Cal 8-1000ng	8	✗	1000.0	737.3	73.7

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin
Last Cal. Update   11/18/2020 12:49 PM
Analyst Name   ISP\datastor

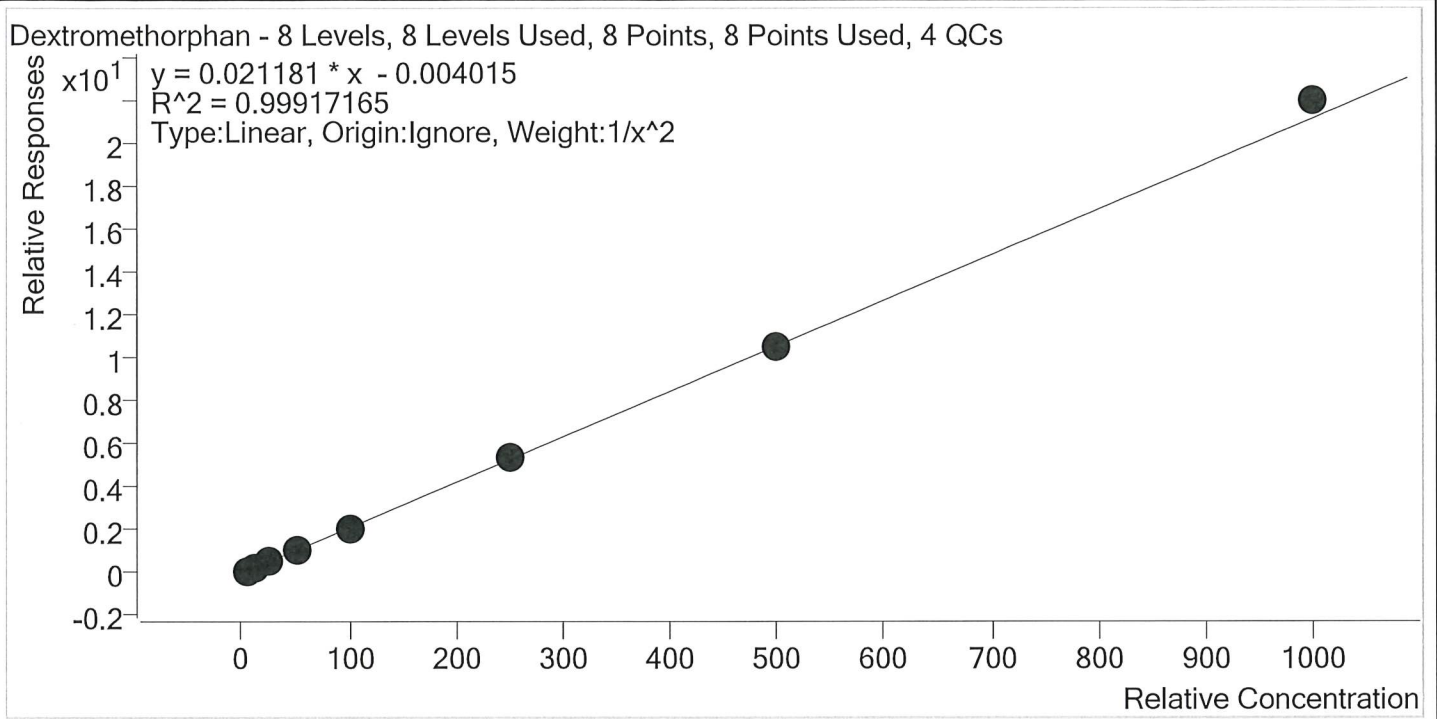**Analyte**   Cocaine   **Internal Standard**   Cocaine-d3

Cocaine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs
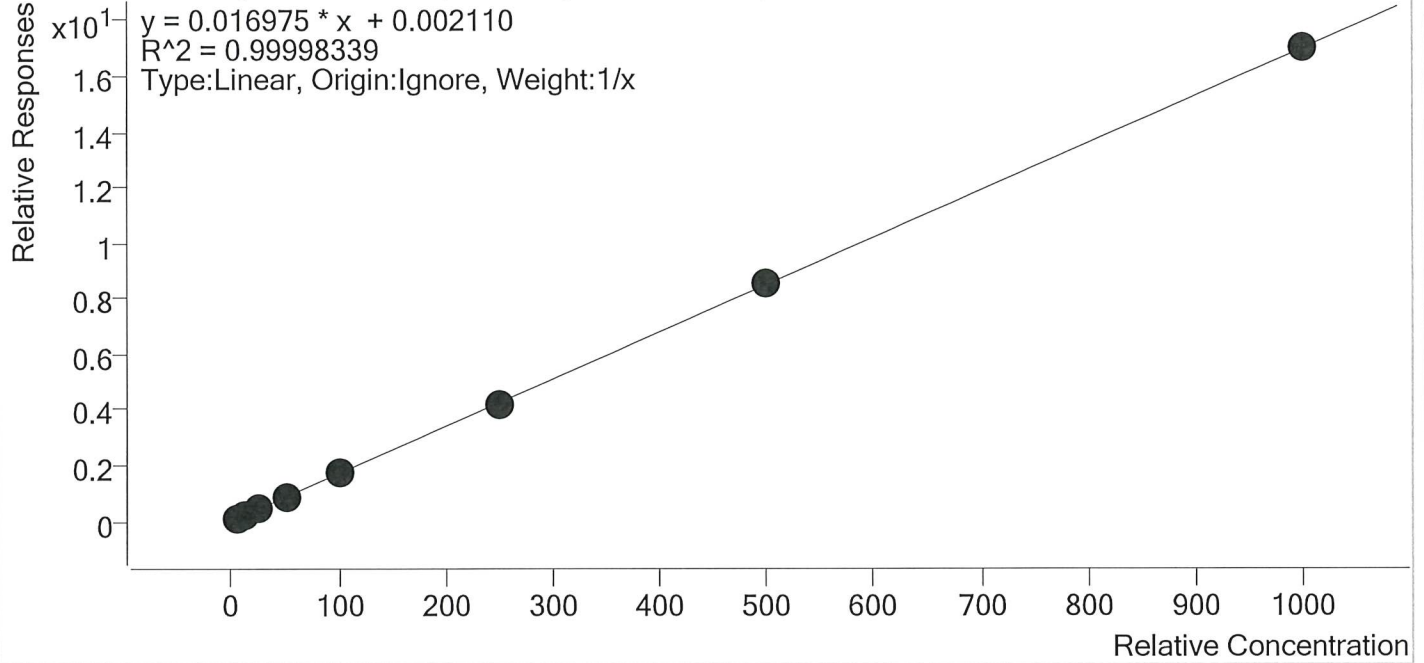
$y = 0.016975 * x + 0.002110$
$R^2 = 0.99998339$
Type:Linear, Origin:Ignore, Weight:1/x

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	10.1	101.5
p1 Cal 3 -25ng	3	✓	25.0	24.5	97.9
p1 Cal 4-50ng	4	✓	50.0	50.6	101.3
p1 Cal 5-100ng	5	✓	100.0	100.3	100.3
p1 Cal 6-250ng	6	✓	250.0	248.9	99.6
p1 Cal 7-500ng	7	✓	500.0	499.3	99.9
p1 Cal 8-1000ng	8	✓	1000.0	1001.2	100.1

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin
Last Cal. Update   11/18/2020 12:49 PM
Analyst Name   ISP\datastor
Analyte   Codeine   **Internal Standard**   Codeine-D6
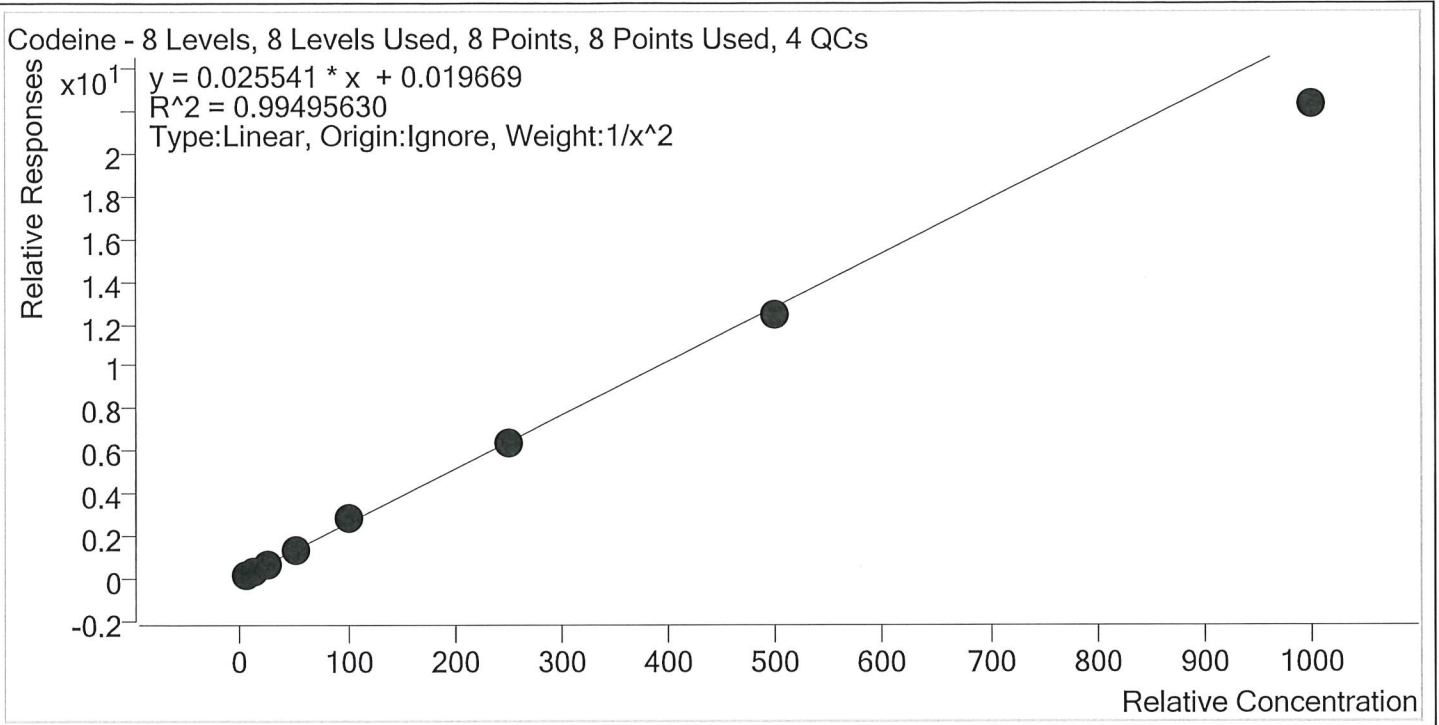
Codeine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.025541 * x + 0.019669$
$R^2 = 0.99495630$
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	103.2
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.2
p1 Cal 4-50ng	4	✓	50.0	52.4	104.8
p1 Cal 5-100ng	5	✓	100.0	107.5	107.5
p1 Cal 6-250ng	6	✓	250.0	251.2	100.5
p1 Cal 7-500ng	7	✓	500.0	485.7	97.1
p1 Cal 8-1000ng	8	✓	1000.0	874.9	87.5

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin

Last Cal. Update 11/18/2020 12:49 PM

Analyst Name ISP\datastor

Analyte Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

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

$y = 0.028666 * x - 0.024310$
$R^2 = 0.99204573$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	105.2
p1 Cal 2- 10ng	2	✓	10.0	9.5	94.7
p1 Cal 3 -25ng	3	✓	25.0	22.6	90.2
p1 Cal 4-50ng	4	✓	50.0	47.6	95.2
p1 Cal 5-100ng	5	✓	100.0	95.2	95.2
p1 Cal 6-250ng	6	✓	250.0	250.2	100.1
p1 Cal 7-500ng	7	✓	500.0	526.2	105.2
p1 Cal 8-1000ng	8	✓	1000.0	1141.3	114.1

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin
Last Cal. Update	11/18/2020 12:49 PM
Analyst Name	ISP\datastor
Analyte	Dextromethorphan

Internal Standard   Dextromethorphan-D3

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

$y = 0.021181 * x - 0.004015$
$R^2 = 0.99917165$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.6
p1 Cal 2- 10ng	2	✓	10.0	9.8	98.3
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.4
p1 Cal 4-50ng	4	✓	50.0	50.5	101.1
p1 Cal 5-100ng	5	✓	100.0	99.9	99.9
p1 Cal 6-250ng	6	✓	250.0	251.2	100.5
p1 Cal 7-500ng	7	✓	500.0	496.3	99.3
p1 Cal 8-1000ng	8	✓	1000.0	1038.8	103.9

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin
Last Cal. Update 11/18/2020 12:49 PM
Analyst Name ISP\datastor
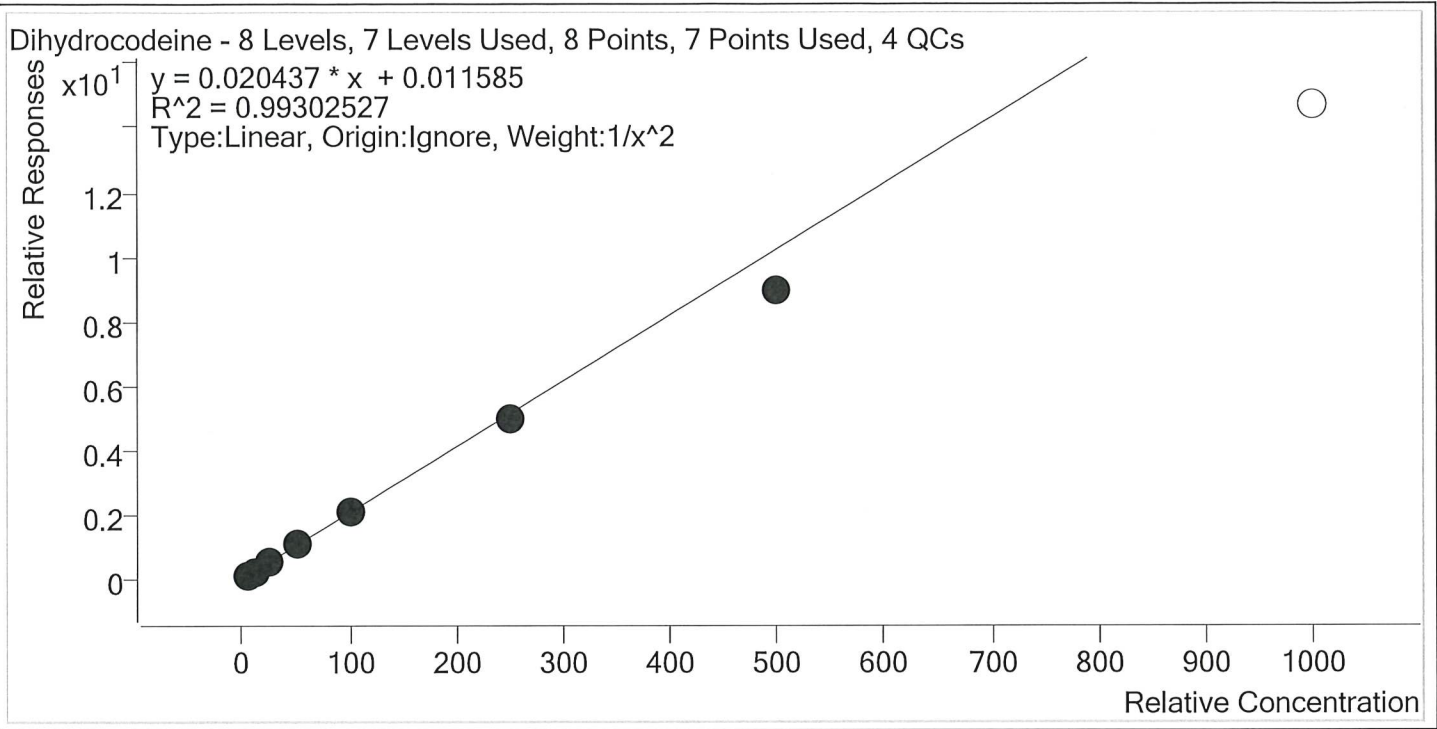**Analyte** Dextrorphan   **Internal Standard** Dextrorphan-D3

Dextrorphan - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs
$y = 0.005036 * x - 0.008920$
$R^2 = 0.99729032$
Type:Linear, Origin:Ignore, Weight:1/x
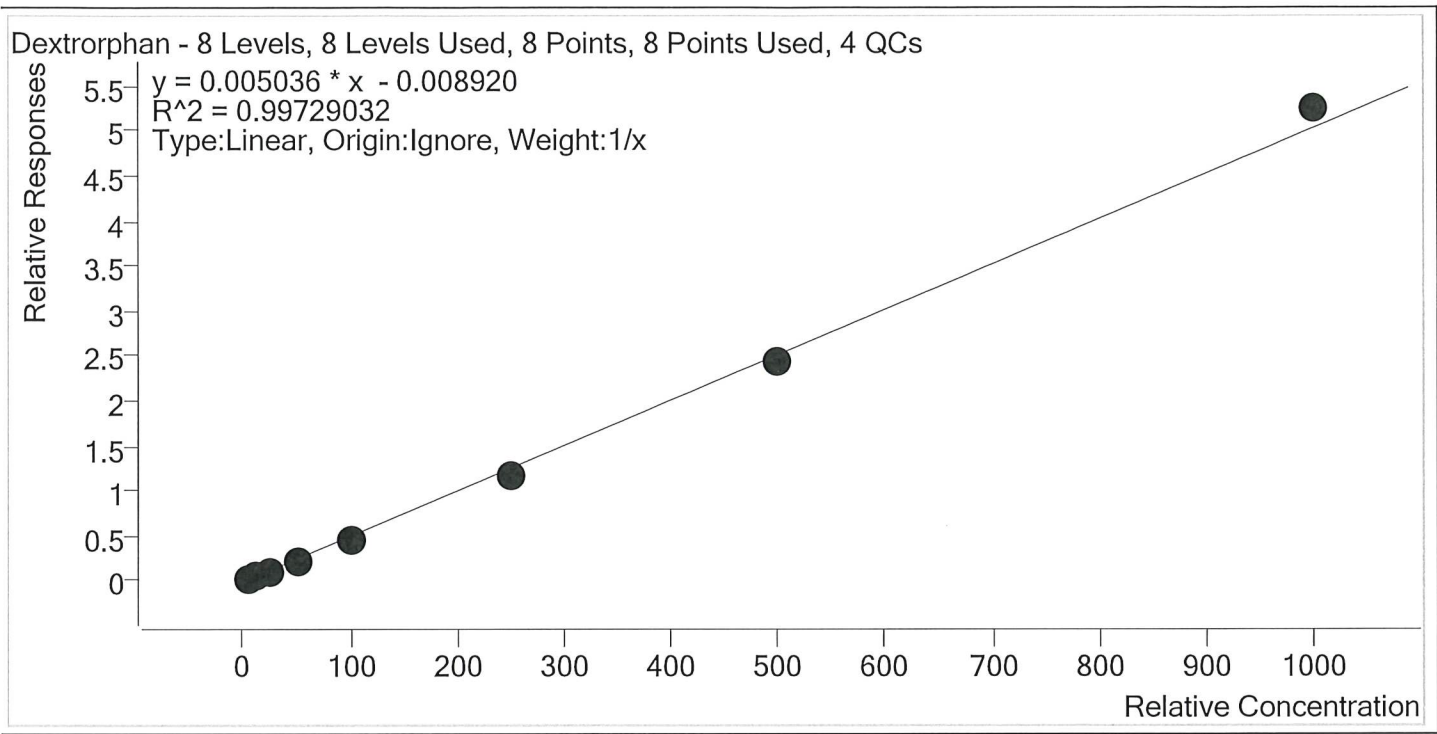
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	6.3	125.2
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.2
p1 Cal 3 -25ng	3	✓	25.0	23.1	92.5
p1 Cal 4-50ng	4	✓	50.0	46.8	93.7
p1 Cal 5-100ng	5	✓	100.0	92.0	92.0
p1 Cal 6-250ng	6	✓	250.0	231.6	92.6
p1 Cal 7-500ng	7	✓	500.0	487.1	97.4
p1 Cal 8-1000ng	8	✓	1000.0	1042.8	104.3

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin
Last Cal. Update	11/18/2020 12:49 PM
Analyst Name	ISP\datastor
Analyte	Diazepam

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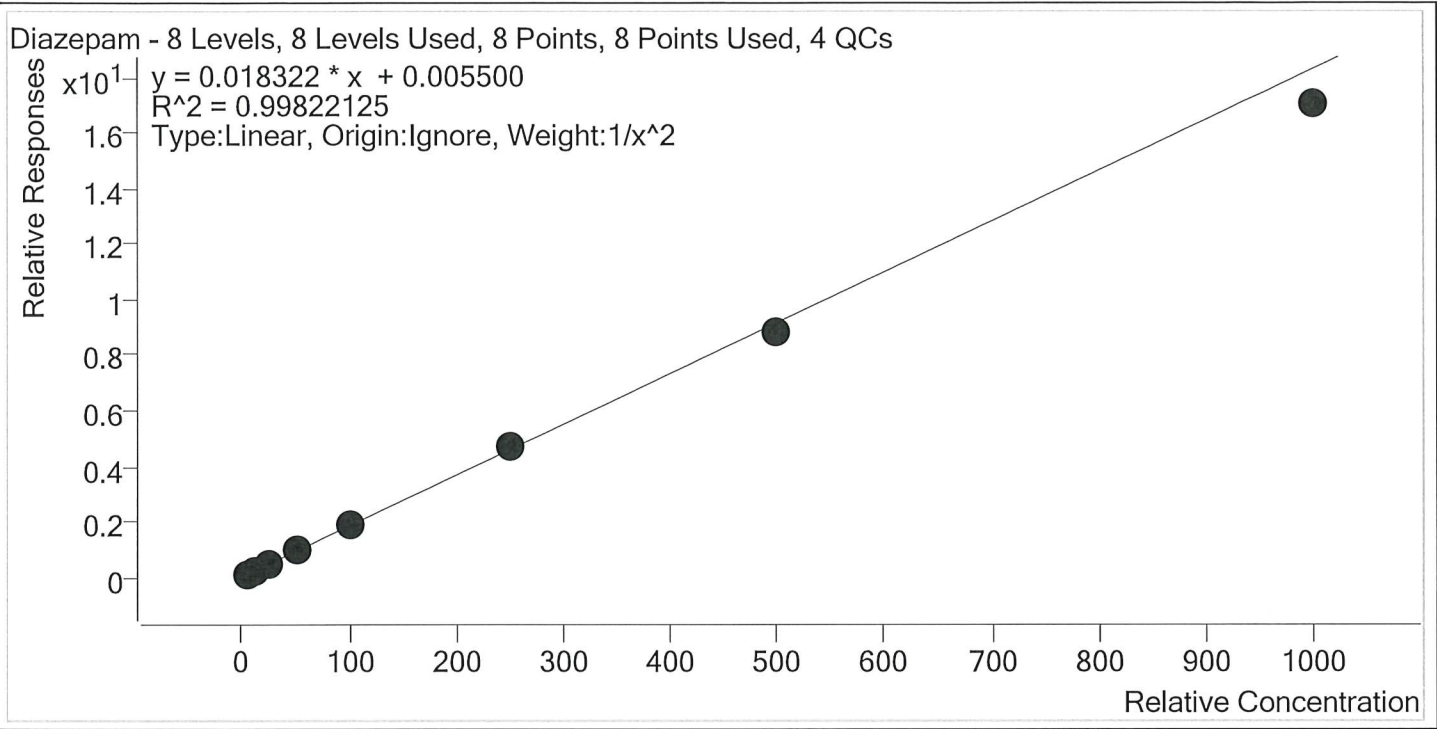
Diazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.018322 * x + 0.005500$
$R^2 = 0.99822125$
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	100.1
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.1
p1 Cal 4-50ng	4	✓	50.0	51.8	103.5
p1 Cal 5-100ng	5	✓	100.0	103.2	103.2
p1 Cal 6-250ng	6	✓	250.0	255.9	102.4
p1 Cal 7-500ng	7	✓	500.0	482.7	96.5
p1 Cal 8-1000ng	8	✓	1000.0	930.7	93.1

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin
Last Cal. Update	11/18/2020 12:49 PM
Analyst Name	ISP\datastor
Analyte	Dihydrocodeine

Internal Standard   Dihydrocodeine-D6

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

$y = 0.020437 * x + 0.011585$
$R^2 = 0.99302527$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.1
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.2
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.4
p1 Cal 4-50ng	4	✓	50.0	54.9	109.7
p1 Cal 5-100ng	5	✓	100.0	102.3	102.3
p1 Cal 6-250ng	6	✓	250.0	242.1	96.8
p1 Cal 7-500ng	7	✓	500.0	437.0	87.4
p1 Cal 8-1000ng	8	✗	1000.0	718.7	71.9

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin
Last Cal. Update	11/18/2020 12:49 PM
Analyst Name	ISP\datastor
Analyte	Diphenhydramine

Internal Standard   Diphenhydramine-D3

Diphenhydramine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs
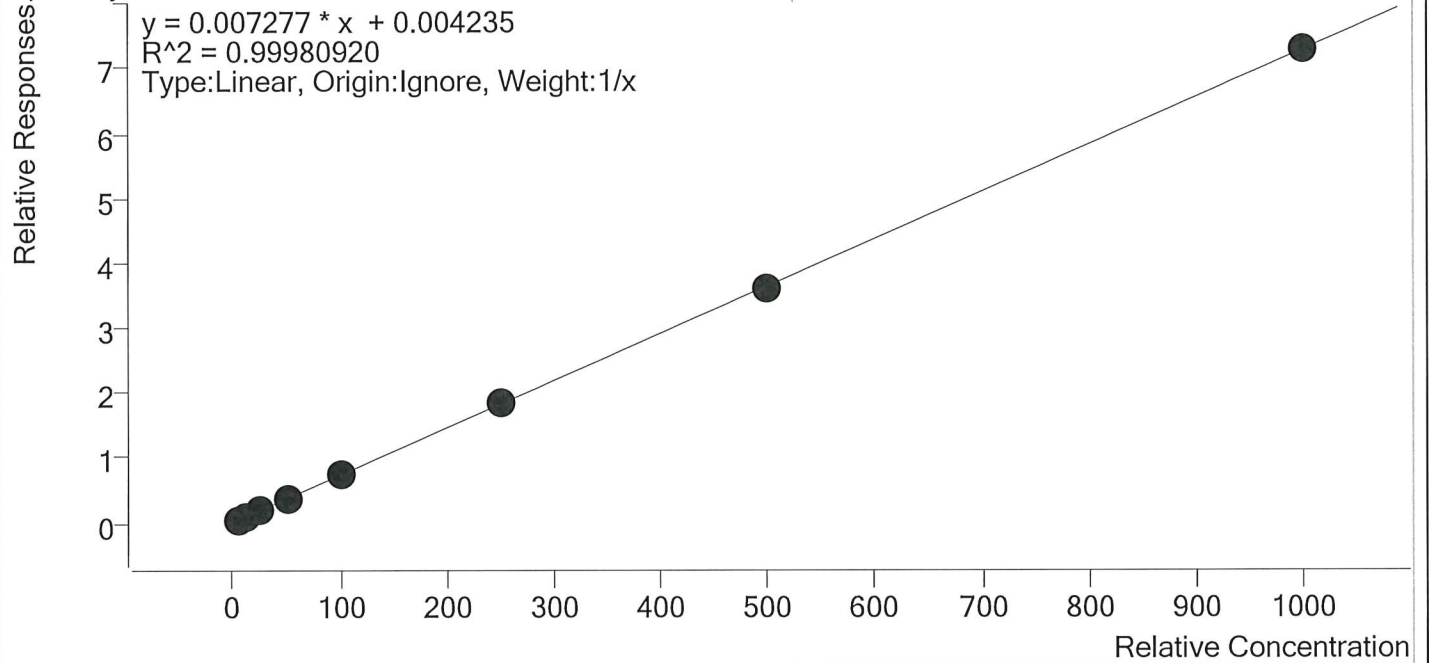
$y = 0.007277 * x + 0.004235$
$R^2 = 0.99980920$
Type:Linear, Origin:Ignore, Weight:1/x

Relative Responses vs Relative Concentration

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	93.8
p1 Cal 2- 10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.5
p1 Cal 4-50ng	4	✓	50.0	52.1	104.1
p1 Cal 5-100ng	5	✓	100.0	101.7	101.7
p1 Cal 6-250ng	6	✓	250.0	254.0	101.6
p1 Cal 7-500ng	7	✓	500.0	491.9	98.4
p1 Cal 8-1000ng	8	✓	1000.0	1000.4	100.0

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin
Last Cal. Update	11/18/2020 12:49 PM
Analyst Name	ISP\datastor

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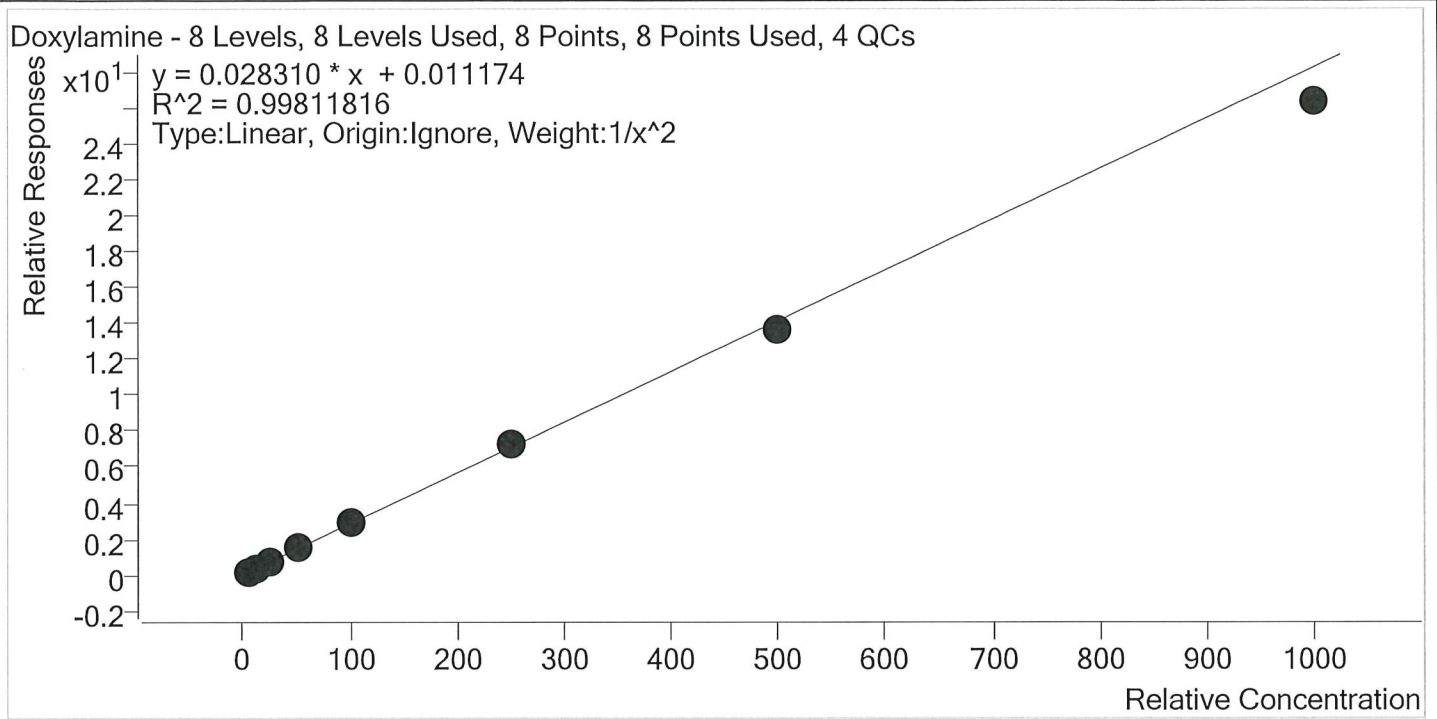
Doxylamine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.028310 * x + 0.011174$
$R^2 = 0.99811816$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.3
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.7
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.0
p1 Cal 4-50ng	4	✓	50.0	52.6	105.2
p1 Cal 5-100ng	5	✓	100.0	102.2	102.2
p1 Cal 6-250ng	6	✓	250.0	257.0	102.8
p1 Cal 7-500ng	7	✓	500.0	482.5	96.5
p1 Cal 8-1000ng	8	✓	1000.0	932.2	93.2

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin
Last Cal. Update	11/18/2020 12:49 PM
Analyst Name	ISP\datastor
Analyte	EDDP

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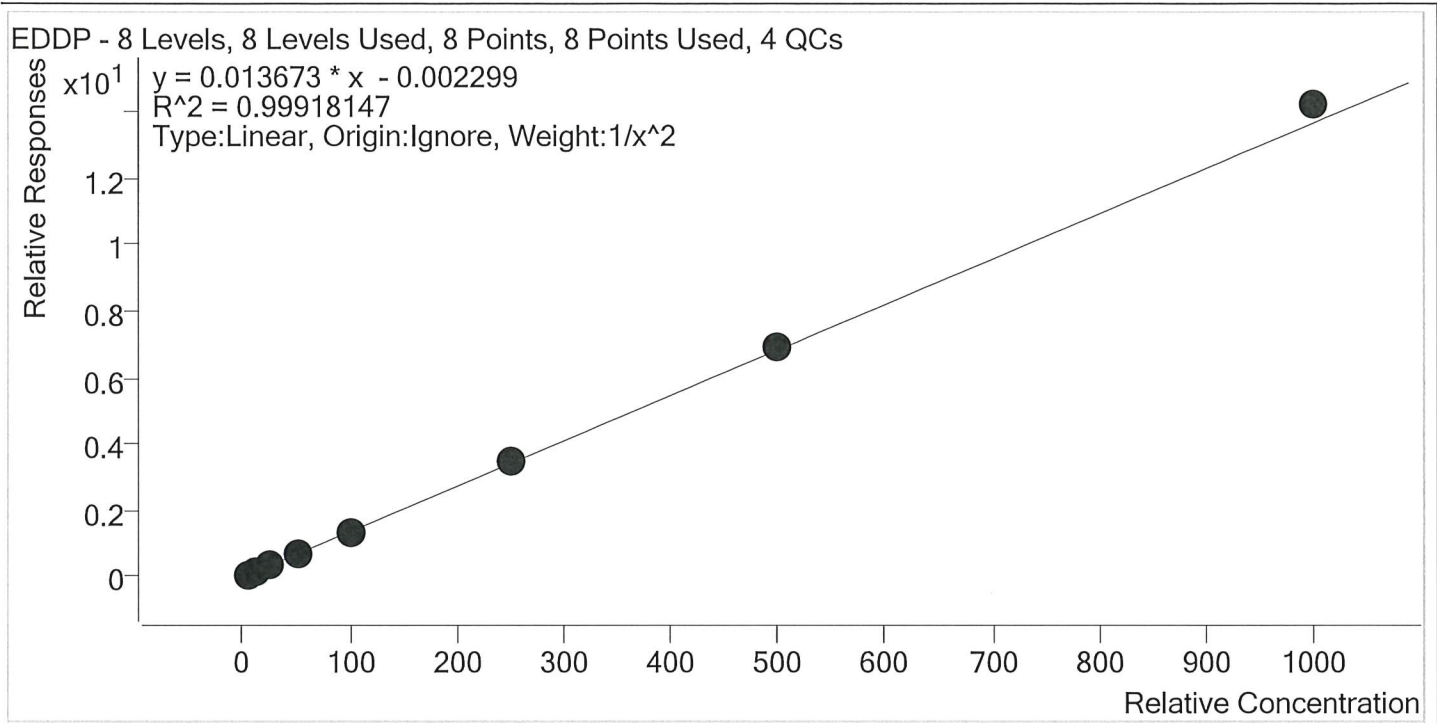
EDDP - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.013673 * x - 0.002299$
$R^2 = 0.99918147$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.1
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.8
p1 Cal 3 -25ng	3	✓	25.0	24.0	96.0
p1 Cal 4-50ng	4	✓	50.0	49.1	98.1
p1 Cal 5-100ng	5	✓	100.0	98.3	98.3
p1 Cal 6-250ng	6	✓	250.0	252.5	101.0
p1 Cal 7-500ng	7	✓	500.0	507.8	101.6
p1 Cal 8-1000ng	8	✓	1000.0	1040.5	104.0

SJ

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin
Last Cal. Update   11/18/2020 12:49 PM
Analyst Name   ISP\datastor
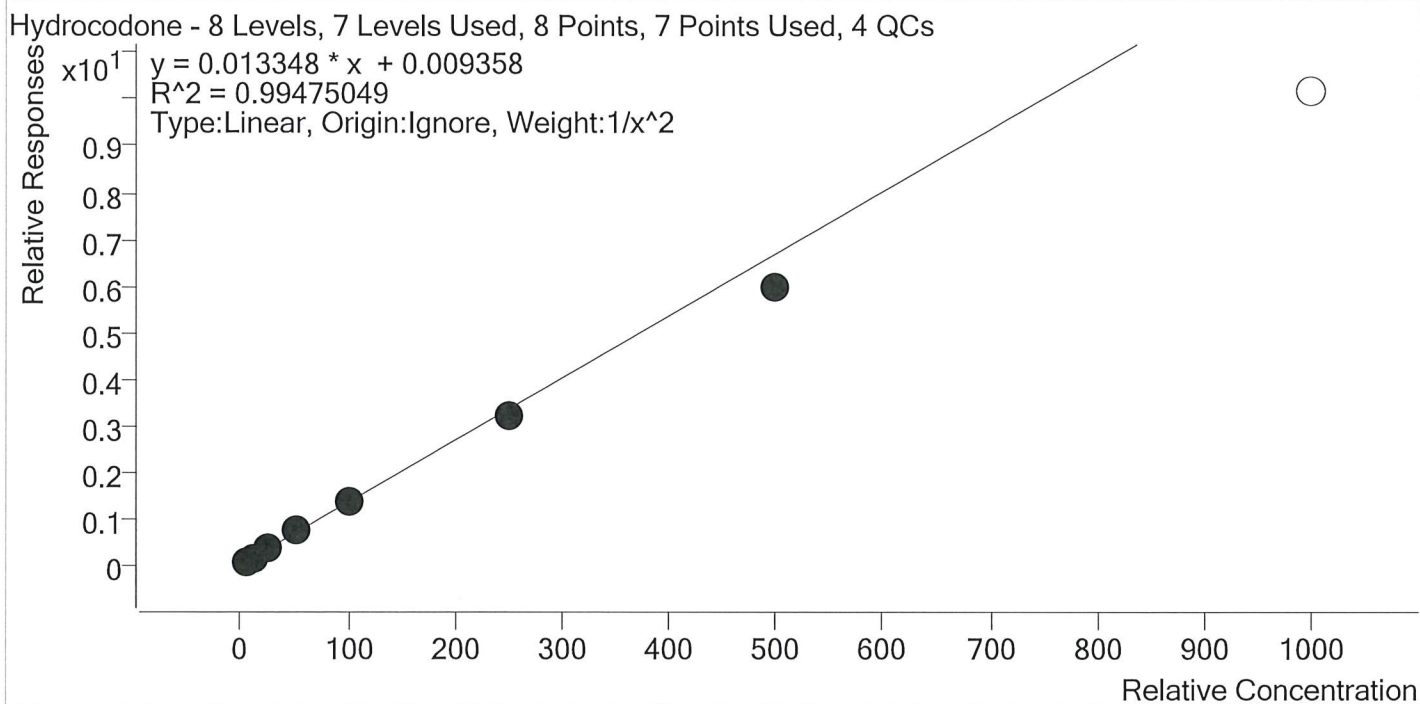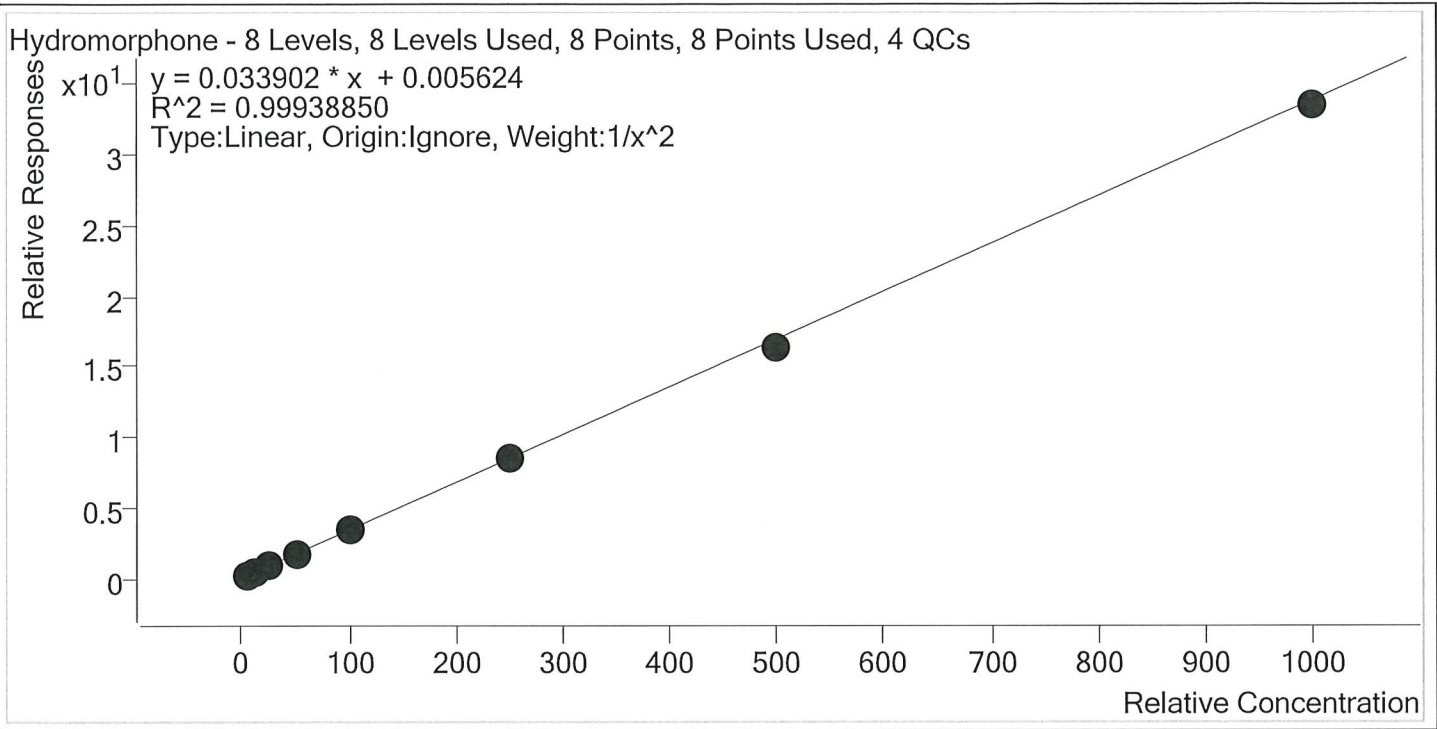**Analyte**   Fentanyl   **Internal Standard**   Fentanyl-D5

Fentanyl - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs
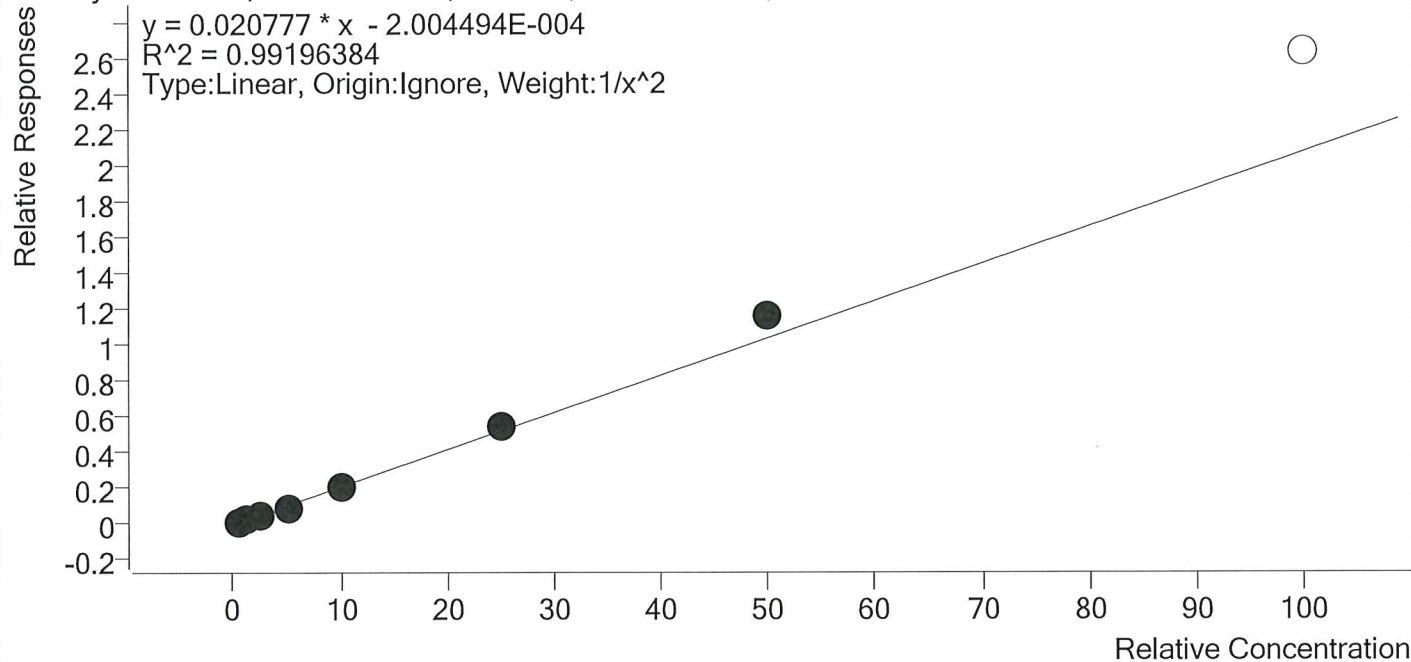
$y = 0.020777 * x - 2.004494E\text{-}004$
$R^2 = 0.99196384$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	105.6
p1 Cal 2- 10ng	2	✓	1.0	0.9	92.1
p1 Cal 3 -25ng	3	✓	2.5	2.4	94.3
p1 Cal 4-50ng	4	✓	5.0	4.7	93.7
p1 Cal 5-100ng	5	✓	10.0	9.7	97.0
p1 Cal 6-250ng	6	✓	25.0	26.2	105.0
p1 Cal 7-500ng	7	✓	50.0	56.1	112.2
p1 Cal 8-1000ng	8	✕	100.0	126.9	126.9

Generated at 12:50 PM on 11/18/2020

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin
Last Cal. Update	11/18/2020 12:49 PM
Analyst Name	ISP\datastor

Analyte	Fluoxetine	**Internal Standard**	Fluoxetine-D6
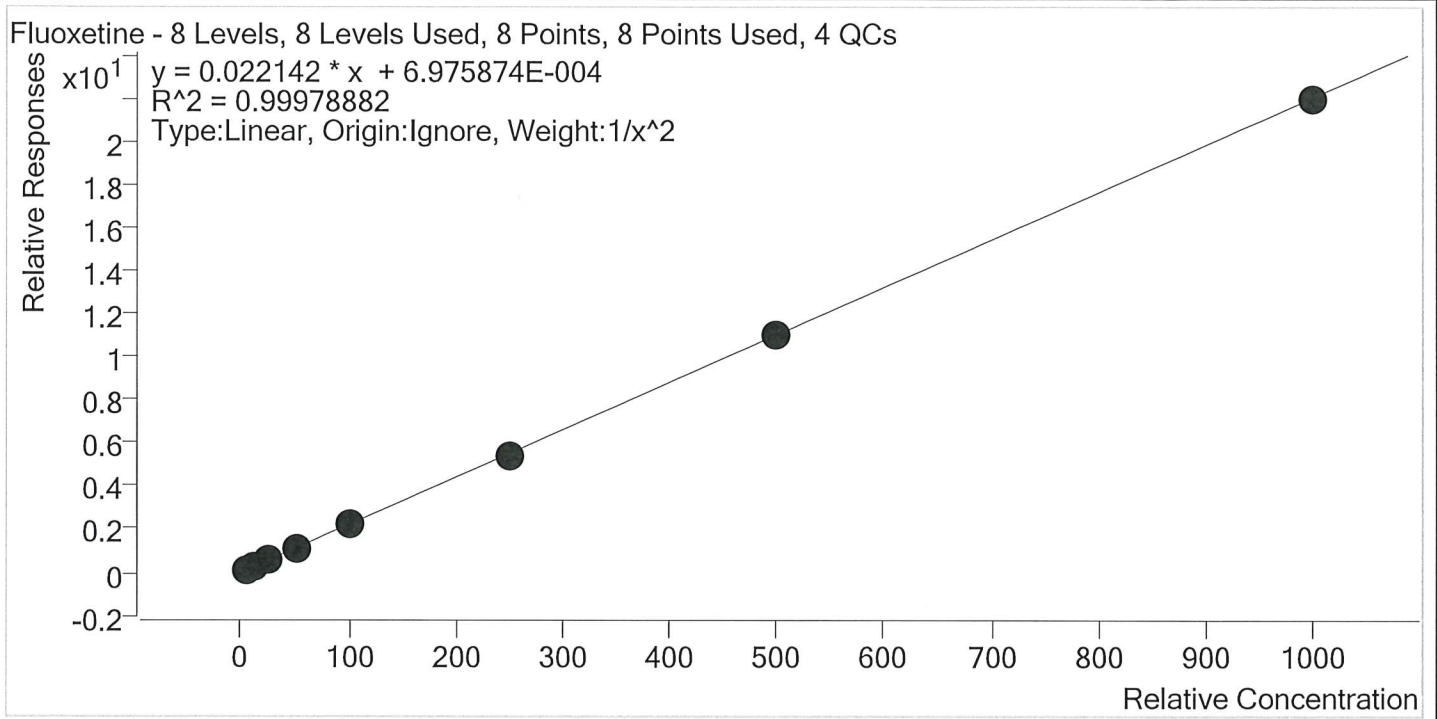
Fluoxetine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs
$y = 0.022142 * x + 6.975874E\text{-}004$
$R^2 = 0.99978882$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.5
p1 Cal 2- 10ng	2	✓	10.0	9.9	98.9
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.2
p1 Cal 4-50ng	4	✓	50.0	51.0	101.9
p1 Cal 5-100ng	5	✓	100.0	101.5	101.5
p1 Cal 6-250ng	6	✓	250.0	245.9	98.4
p1 Cal 7-500ng	7	✓	500.0	500.7	100.1
p1 Cal 8-1000ng	8	✓	1000.0	995.2	99.5

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin
Last Cal. Update	11/18/2020 12:49 PM
Analyst Name	ISP\datastor
Analyte	Hydrocodone

Internal Standard   Hydrocodone-D6

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

$y = 0.013348 * x + 0.009358$
$R^2 = 0.99475049$
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	102.8
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.3
p1 Cal 4-50ng	4	✓	50.0	53.5	107.0
p1 Cal 5-100ng	5	✓	100.0	103.3	103.3
p1 Cal 6-250ng	6	✓	250.0	241.2	96.5
p1 Cal 7-500ng	7	✓	500.0	445.4	89.1
p1 Cal 8-1000ng	8	✗	1000.0	761.7	76.2

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin
Last Cal. Update   11/18/2020 12:49 PM
Analyst Name   ISP\datastor
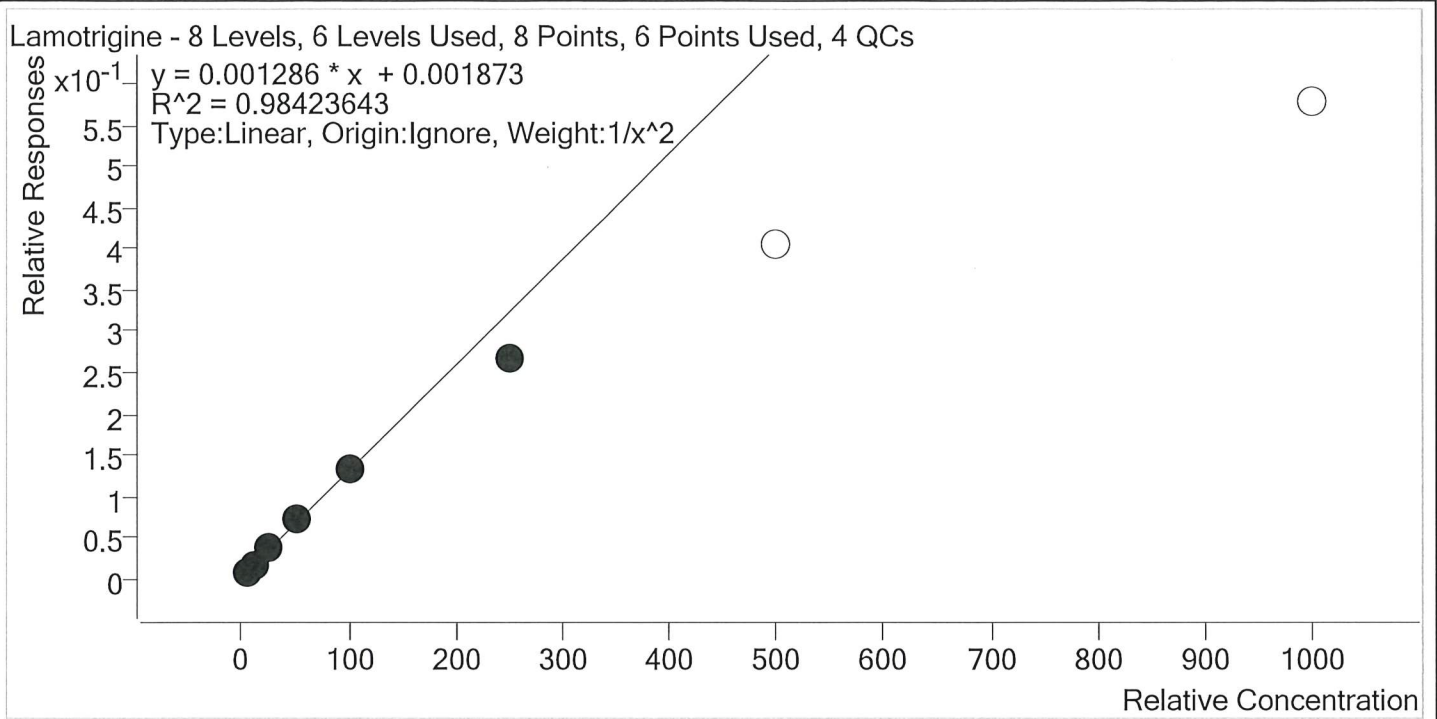**Analyte**   Hydromorphone   **Internal Standard**   Hydromorphone-D6

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

$y = 0.033902 * x + 0.005624$
$R^2 = 0.99938850$
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	99.4
p1 Cal 3 -25ng	3	✓	25.0	25.7	102.7
p1 Cal 4-50ng	4	✓	50.0	50.2	100.3
p1 Cal 5-100ng	5	✓	100.0	102.5	102.5
p1 Cal 6-250ng	6	✓	250.0	251.7	100.7
p1 Cal 7-500ng	7	✓	500.0	479.5	95.9
p1 Cal 8-1000ng	8	✓	1000.0	989.4	98.9

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin
Last Cal. Update   11/18/2020 12:49 PM
Analyst Name   ISP\datastor
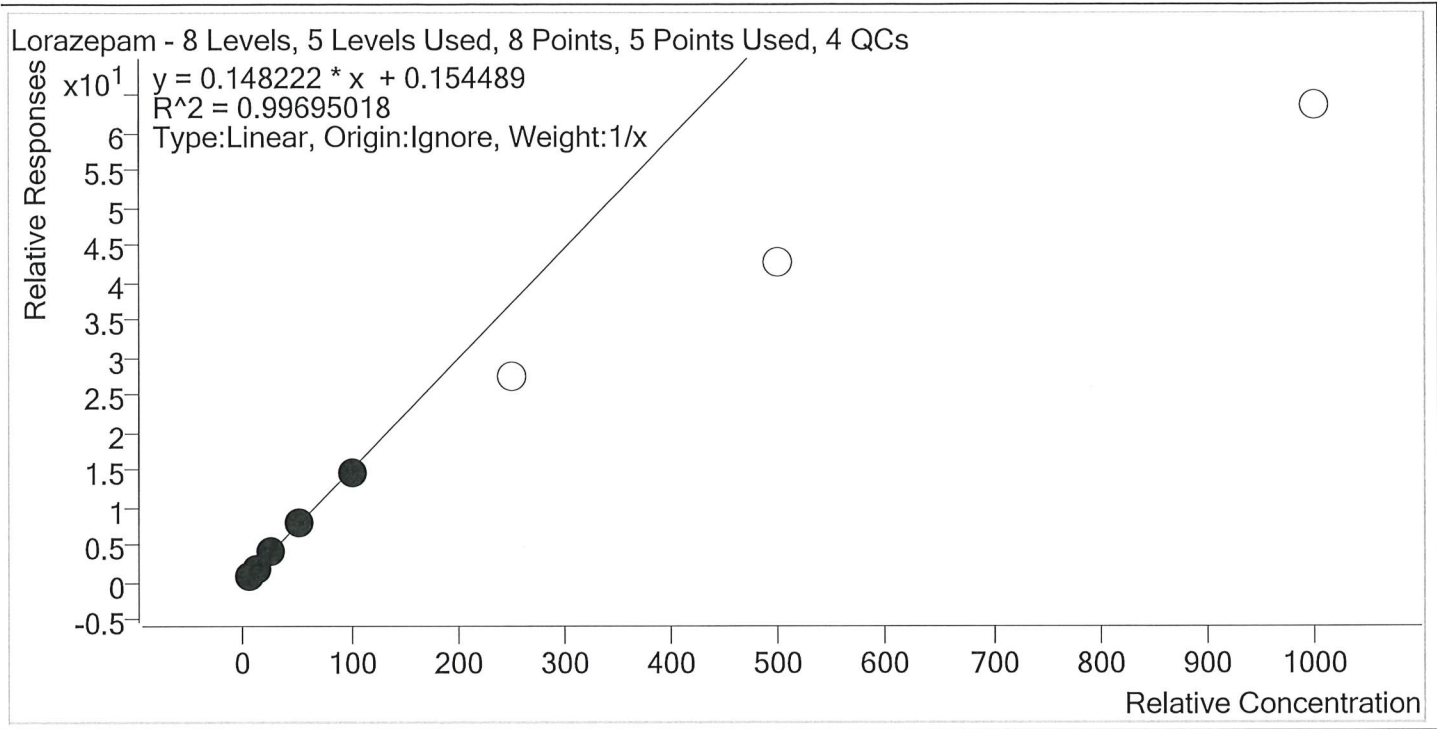**Analyte**   Ketamine   **Internal Standard**   Ketamine-D4
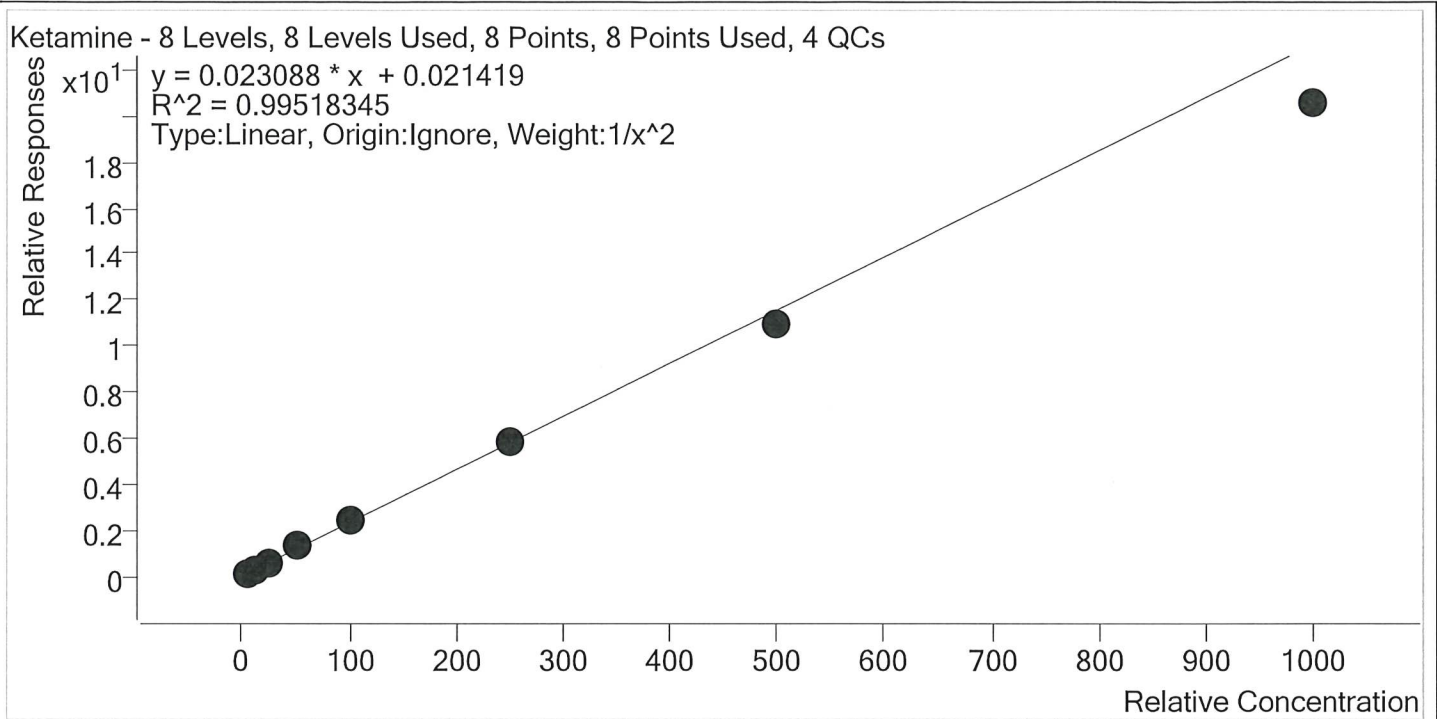
Ketamine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.023088 * x + 0.021419$
$R^2 = 0.99518345$
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	102.3
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.2
p1 Cal 4-50ng	4	✓	50.0	54.3	108.6
p1 Cal 5-100ng	5	✓	100.0	103.7	103.7
p1 Cal 6-250ng	6	✓	250.0	251.8	100.7
p1 Cal 7-500ng	7	✓	500.0	476.1	95.2
p1 Cal 8-1000ng	8	✓	1000.0	889.7	89.0

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin
Last Cal. Update 11/18/2020 12:49 PM
Analyst Name   ISP\datastor

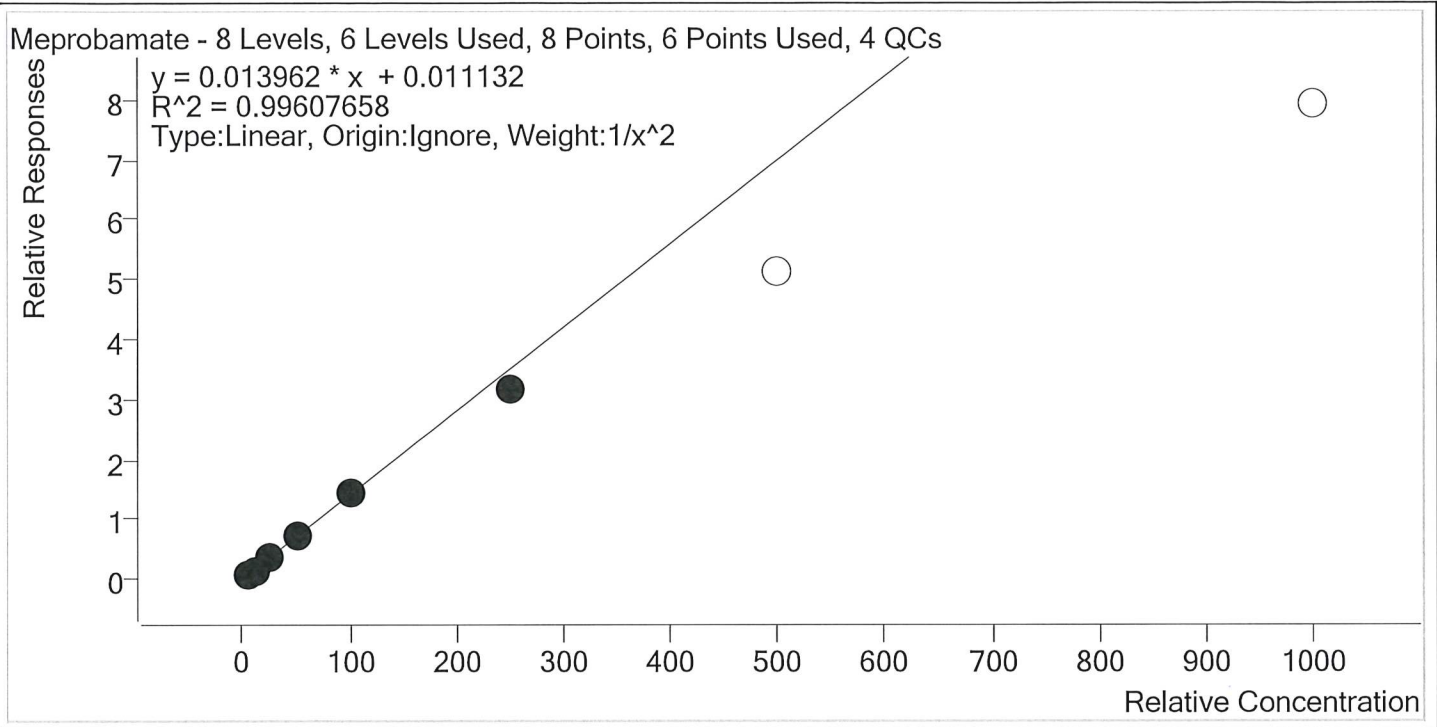**Analyte**   Lamotrigine   **Internal Standard**   Ketamine-D4

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

$y = 0.001286 * x + 0.001873$
$R^2 = 0.98423643$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	93.8
p1 Cal 2- 10ng	2	✓	10.0	10.9	109.1
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.4
p1 Cal 4-50ng	4	✓	50.0	54.3	108.7
p1 Cal 5-100ng	5	✓	100.0	100.5	100.5
p1 Cal 6-250ng	6	✓	250.0	206.3	82.5
p1 Cal 7-500ng	7	✗	500.0	313.1	62.6
p1 Cal 8-1000ng	8	✗	1000.0	448.6	44.9

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin
Last Cal. Update   11/18/2020 12:49 PM
Analyst Name   ISP\datastor
Analyte   Lorazepam   **Internal Standard**   Clonazepam-D4
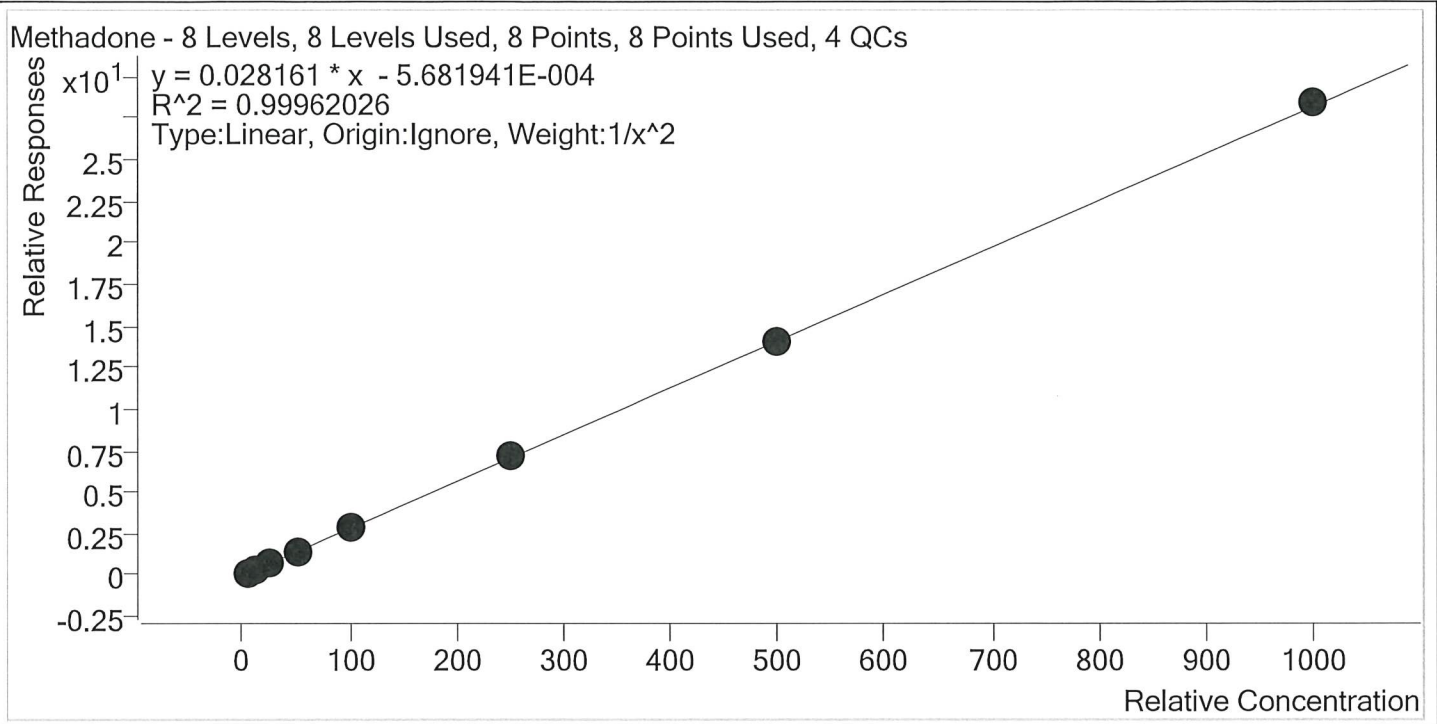
Lorazepam - 8 Levels, 5 Levels Used, 8 Points, 5 Points Used, 4 QCs

$y = 0.148222 * x + 0.154489$
$R^2 = 0.99695018$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.5	90.5
p1 Cal 2- 10ng	2	✓	10.0	10.3	102.6
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.8
p1 Cal 4-50ng	4	✓	50.0	52.3	104.7
p1 Cal 5-100ng	5	✓	100.0	96.4	96.4
p1 Cal 6-250ng	6	✕	250.0	185.9	74.4
p1 Cal 7-500ng	7	✕	500.0	286.5	57.3
p1 Cal 8-1000ng	8	✕	1000.0	428.7	42.9

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin
Last Cal. Update	11/18/2020 12:49 PM
Analyst Name	ISP\datastor
Analyte	Meprobamate

Internal Standard Meprobamate-D7

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

$y = 0.013962 * x + 0.011132$
$R^2 = 0.99607658$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.6
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.3
p1 Cal 3 -25ng	3	✓	25.0	25.2	101.0
p1 Cal 4-50ng	4	✓	50.0	52.7	105.4
p1 Cal 5-100ng	5	✓	100.0	103.0	103.0
p1 Cal 6-250ng	6	✓	250.0	226.6	90.6
p1 Cal 7-500ng	7	✗	500.0	366.1	73.2
p1 Cal 8-1000ng	8	✗	1000.0	566.8	56.7

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin
Last Cal. Update 11/18/2020 12:49 PM
Analyst Name ISP\datastor
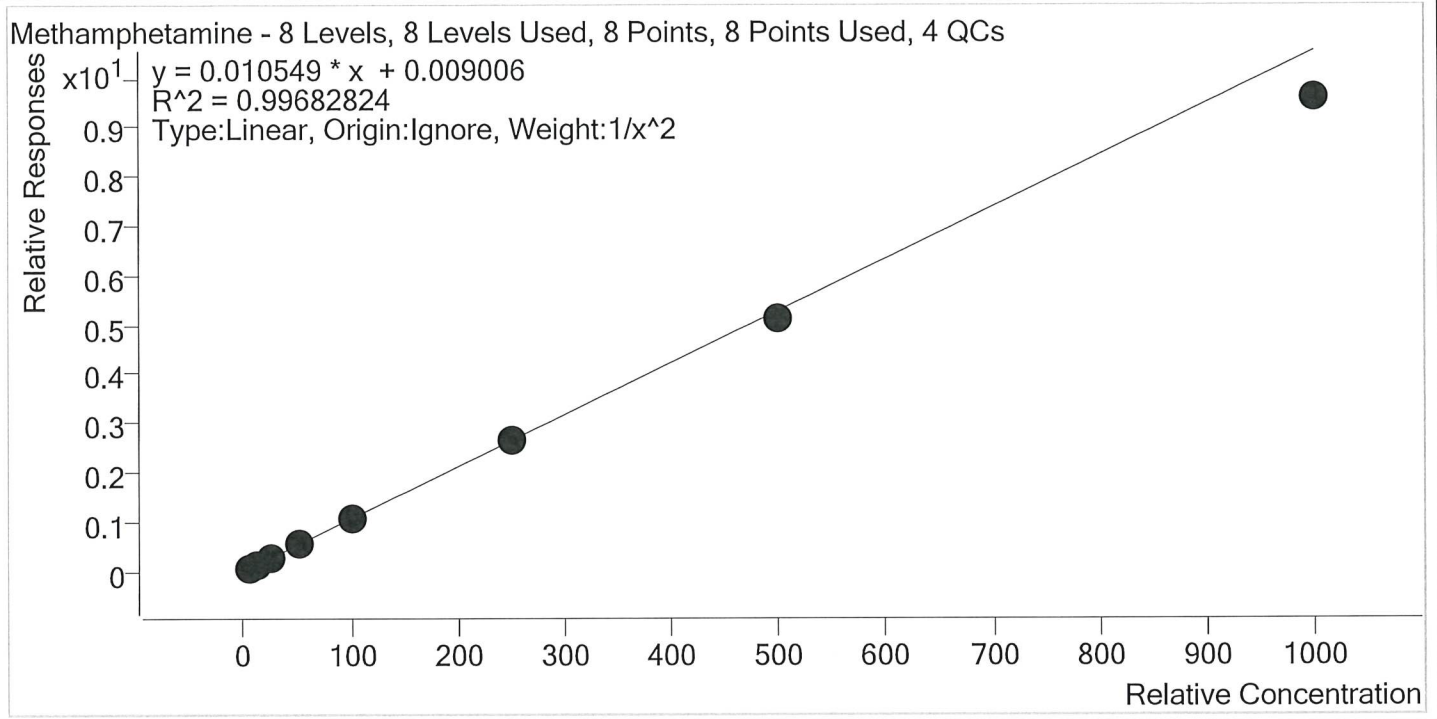**Analyte** Methadone   **Internal Standard** Methadone-D9

Methadone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs
$y = 0.028161 * x - 5.681941E{-}004$
$R^2 = 0.99962026$
Type:Linear, Origin:Ignore, Weight:1/x^2

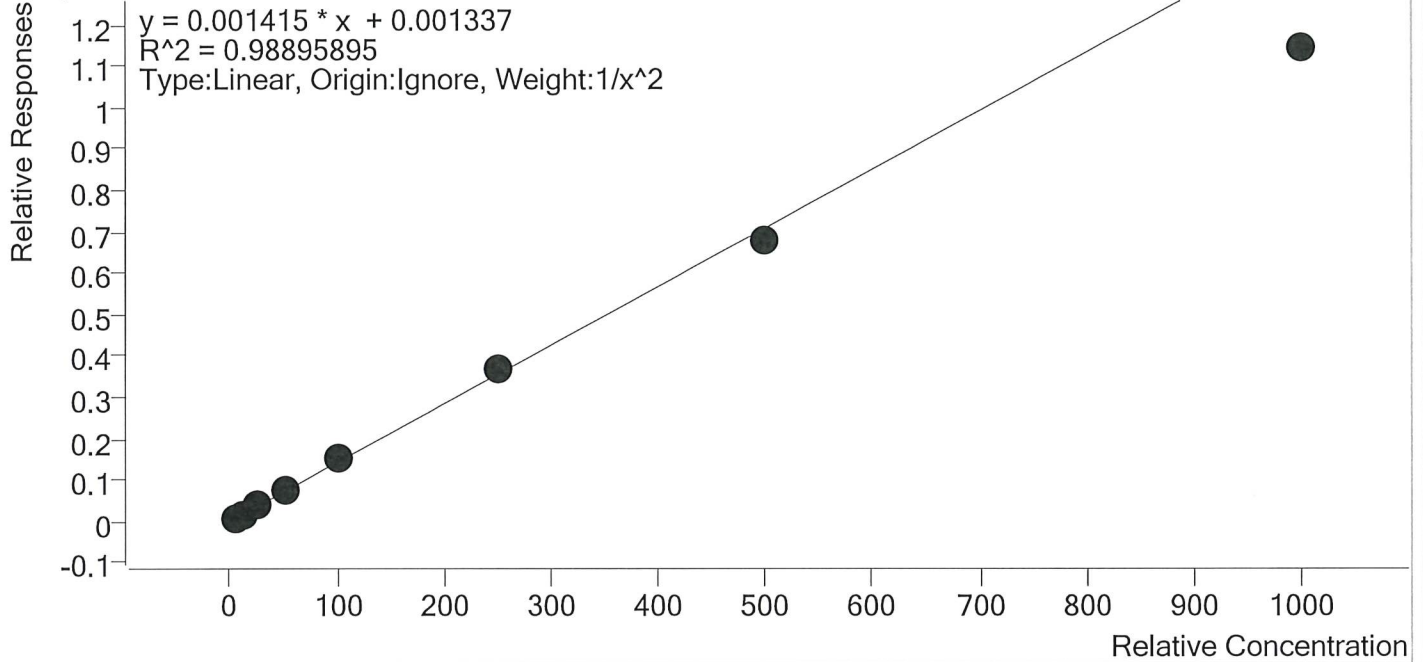| Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.6
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.9
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.4
p1 Cal 4-50ng	4	✓	50.0	50.6	101.3
p1 Cal 5-100ng	5	✓	100.0	99.8	99.8
p1 Cal 6-250ng	6	✓	250.0	251.9	100.8
p1 Cal 7-500ng	7	✓	500.0	496.5	99.3
p1 Cal 8-1000ng	8	✓	1000.0	1008.9	100.9

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin
Last Cal. Update   11/18/2020 12:49 PM
Analyst Name   ISP\datastor
Analyte   Methamphetamine   **Internal Standard**   Methamphetamine-D11

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

$y = 0.010549 * x + 0.009006$
$R^2 = 0.99682824$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.5
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.6
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.2
p1 Cal 4-50ng	4	✓	50.0	53.1	106.3
p1 Cal 5-100ng	5	✓	100.0	101.7	101.7
p1 Cal 6-250ng	6	✓	250.0	248.0	99.2
p1 Cal 7-500ng	7	✓	500.0	487.4	97.5
p1 Cal 8-1000ng	8	✓	1000.0	909.4	90.9

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin
Last Cal. Update   11/18/2020 12:49 PM
Analyst Name   ISP\datastor
Analyte   Metoprolol   **Internal Standard**   Tramadol-13C-D3

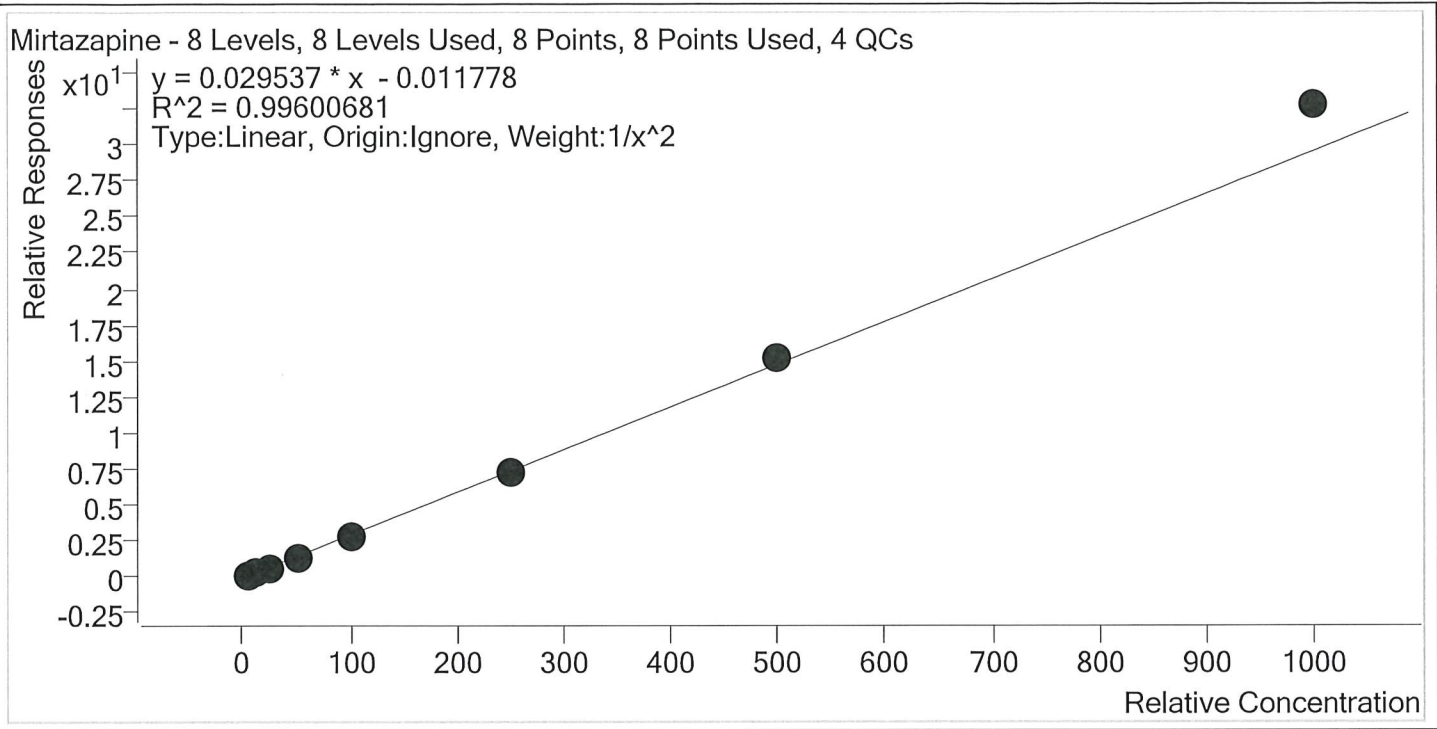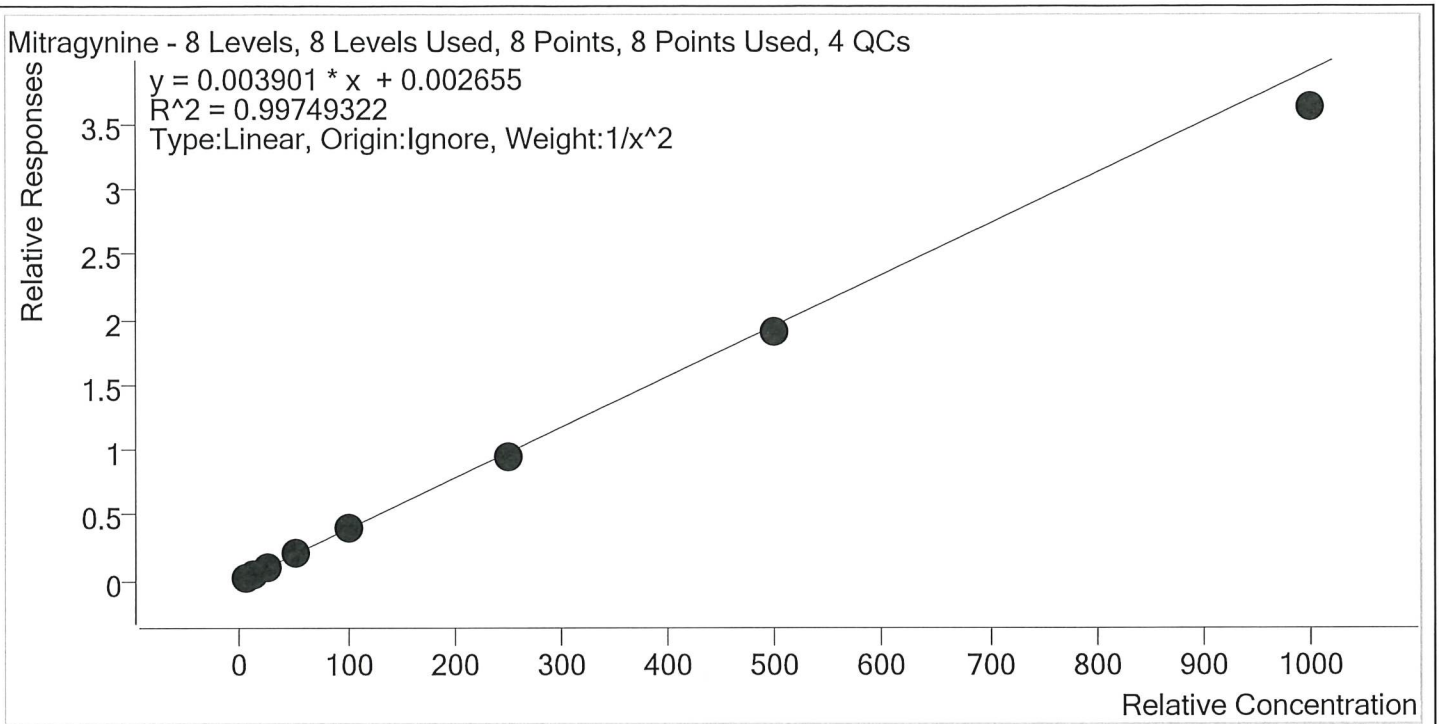Metoprolol - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.001415 * x + 0.001337$
$R^2 = 0.98895895$
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	95.4
p1 Cal 2- 10ng	2	✓	10.0	10.5	105.0
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.6
p1 Cal 4-50ng	4	✓	50.0	53.8	107.6
p1 Cal 5-100ng	5	✓	100.0	106.7	106.7
p1 Cal 6-250ng	6	✓	250.0	259.2	103.7
p1 Cal 7-500ng	7	✓	500.0	476.6	95.3
p1 Cal 8-1000ng	8	✓	1000.0	807.1	80.7

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin
Last Cal. Update	11/18/2020 12:49 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

$y = 0.029537 * x - 0.011778$
$R^2 = 0.99600681$
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	102.2
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.0
p1 Cal 3 -25ng	3	✓	25.0	23.5	94.0
p1 Cal 4-50ng	4	✓	50.0	48.3	96.5
p1 Cal 5-100ng	5	✓	100.0	94.9	94.9
p1 Cal 6-250ng	6	✓	250.0	247.4	98.9
p1 Cal 7-500ng	7	✓	500.0	517.8	103.6
p1 Cal 8-1000ng	8	✓	1000.0	1108.4	110.8

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin
Last Cal. Update	11/18/2020 12:49 PM
Analyst Name	ISP\datastor
Analyte	Mitragynine

Internal Standard   Methadone-D9

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

$y = 0.003901 * x + 0.002655$
$R^2 = 0.99749322$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.5
p1 Cal 2- 10ng	2	✓	10.0	10.3	103.2
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.1
p1 Cal 4-50ng	4	✓	50.0	52.9	105.9
p1 Cal 5-100ng	5	✓	100.0	104.3	104.3
p1 Cal 6-250ng	6	✓	250.0	244.0	97.6
p1 Cal 7-500ng	7	✓	500.0	488.4	97.7
p1 Cal 8-1000ng	8	✓	1000.0	928.4	92.8

Batch results	D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin
Last Cal. Update	11/18/2020 12:49 PM
Analyst Name	ISP\datastor
Analyte	Morphine

Internal Standard Morphine-D6

Morphine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs
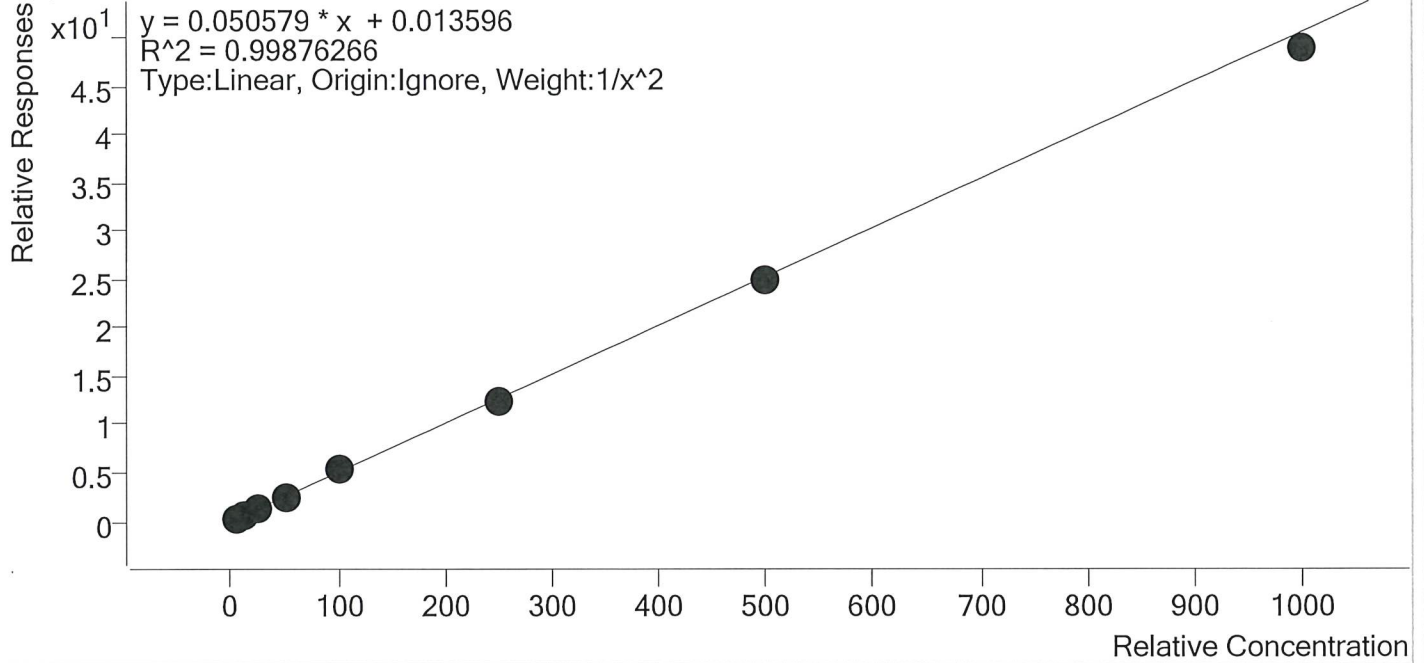
$y = 0.050579 * x + 0.013596$
$R^2 = 0.99876266$
Type:Linear, Origin:Ignore, Weight:1/x^2

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	10.5	104.8
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.6
p1 Cal 4-50ng	4	✓	50.0	51.0	102.0
p1 Cal 5-100ng	5	✓	100.0	103.7	103.7
p1 Cal 6-250ng	6	✓	250.0	245.9	98.4
p1 Cal 7-500ng	7	✓	500.0	496.2	99.2
p1 Cal 8-1000ng	8	✓	1000.0	966.4	96.6

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin
Last Cal. Update	11/18/2020 12:49 PM
Analyst Name	ISP\datastor
Analyte	Norbuprenorphine

Internal Standard   Norbuprenorphine-D3

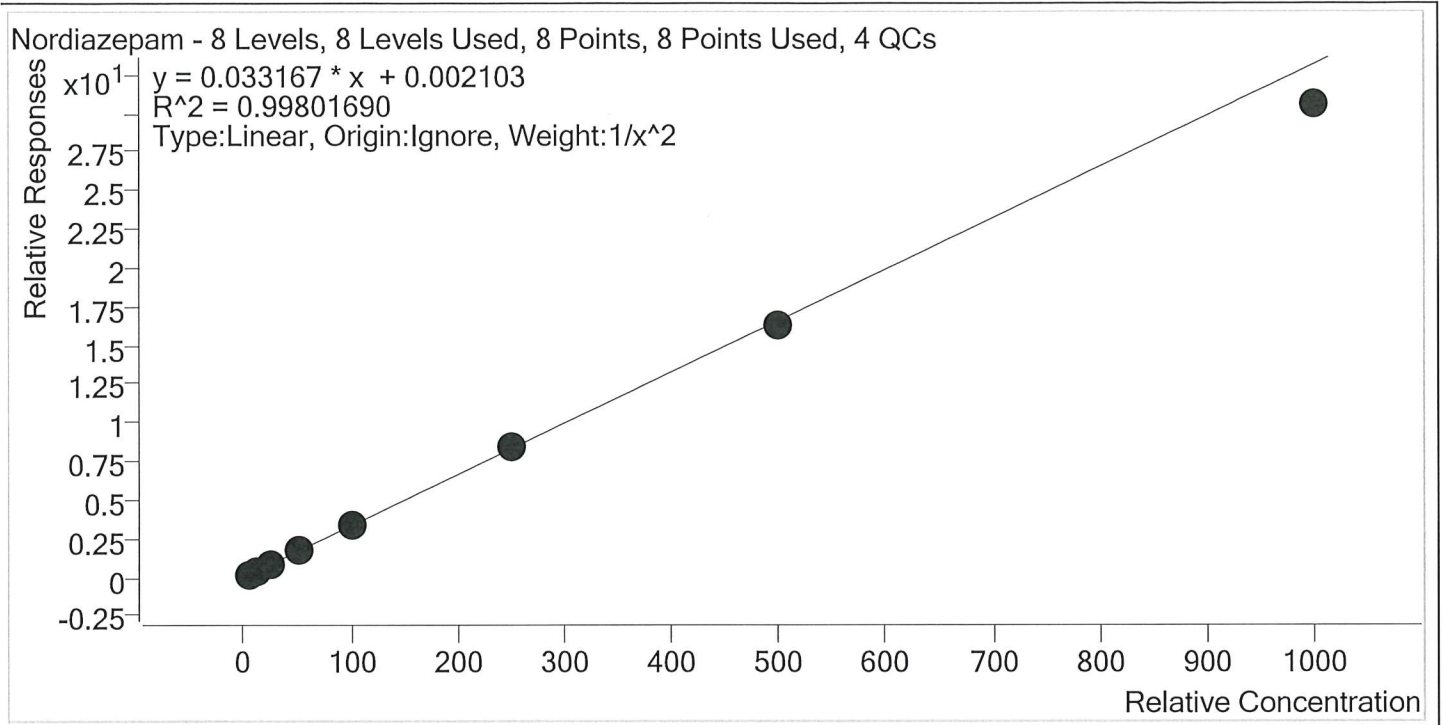Norbuprenorphine - 8 Levels, 6 Levels Used, 8 Points, 6 Points Used, 4 QCs
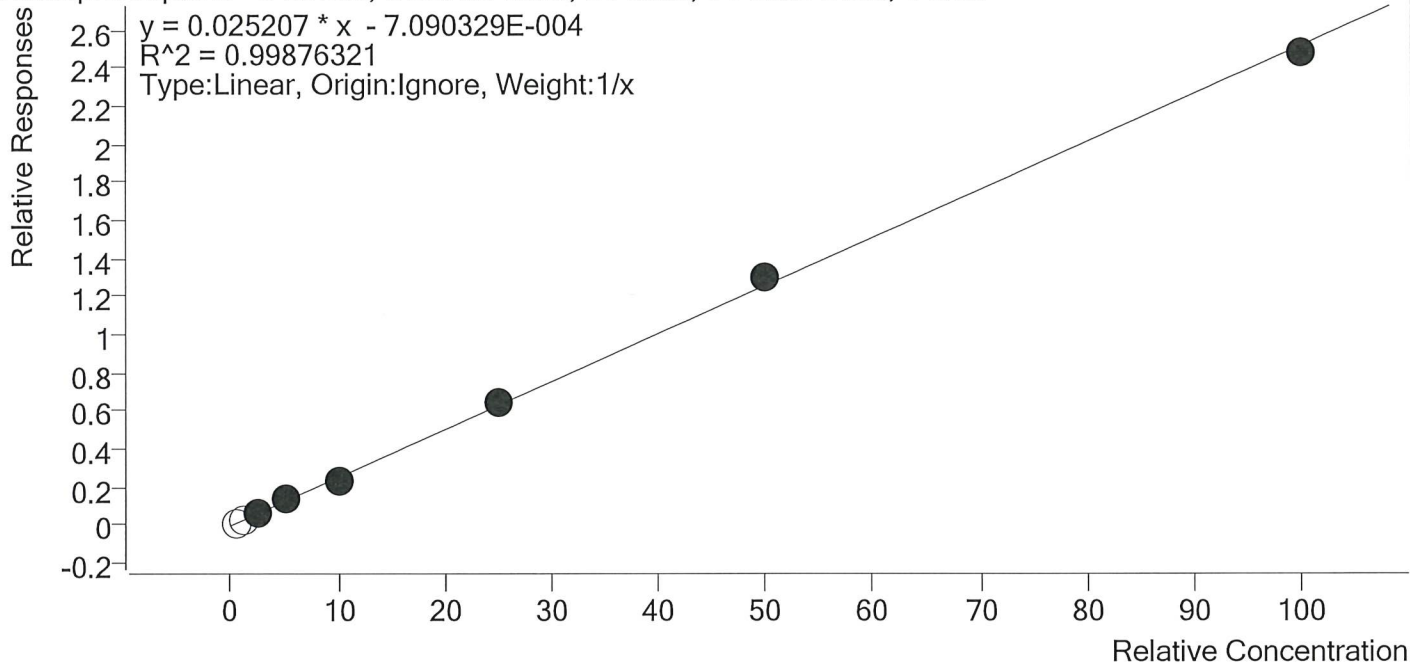
$y = 0.025207 * x - 7.090329E{-004}$
$R^2 = 0.99876321$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✕	0.5	0.5	102.6
p1 Cal 2- 10ng	2	✕	1.0	1.0	103.2
p1 Cal 3 -25ng	3	✓	2.5	2.5	98.4
p1 Cal 4-50ng	4	✓	5.0	5.3	106.4
p1 Cal 5-100ng	5	✓	10.0	9.2	91.6
p1 Cal 6-250ng	6	✓	25.0	25.4	101.8
p1 Cal 7-500ng	7	✓	50.0	51.7	103.4
p1 Cal 8-1000ng	8	✓	100.0	98.4	98.4

SJ

Batch results	D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin
Last Cal. Update	11/18/2020 12:49 PM
Analyst Name	ISP\datastor
Analyte	Nordiazepam

Internal Standard Nordiazepam-D5

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

$y = 0.033167 * x + 0.002103$
$R^2 = 0.99801690$
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	98.9
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.7
p1 Cal 4-50ng	4	✓	50.0	53.0	106.0
p1 Cal 5-100ng	5	✓	100.0	101.2	101.2
p1 Cal 6-250ng	6	✓	250.0	253.9	101.6
p1 Cal 7-500ng	7	✓	500.0	494.0	98.8
p1 Cal 8-1000ng	8	✓	1000.0	921.7	92.2

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin
Last Cal. Update   11/18/2020 12:49 PM
Analyst Name   ISP\datastor
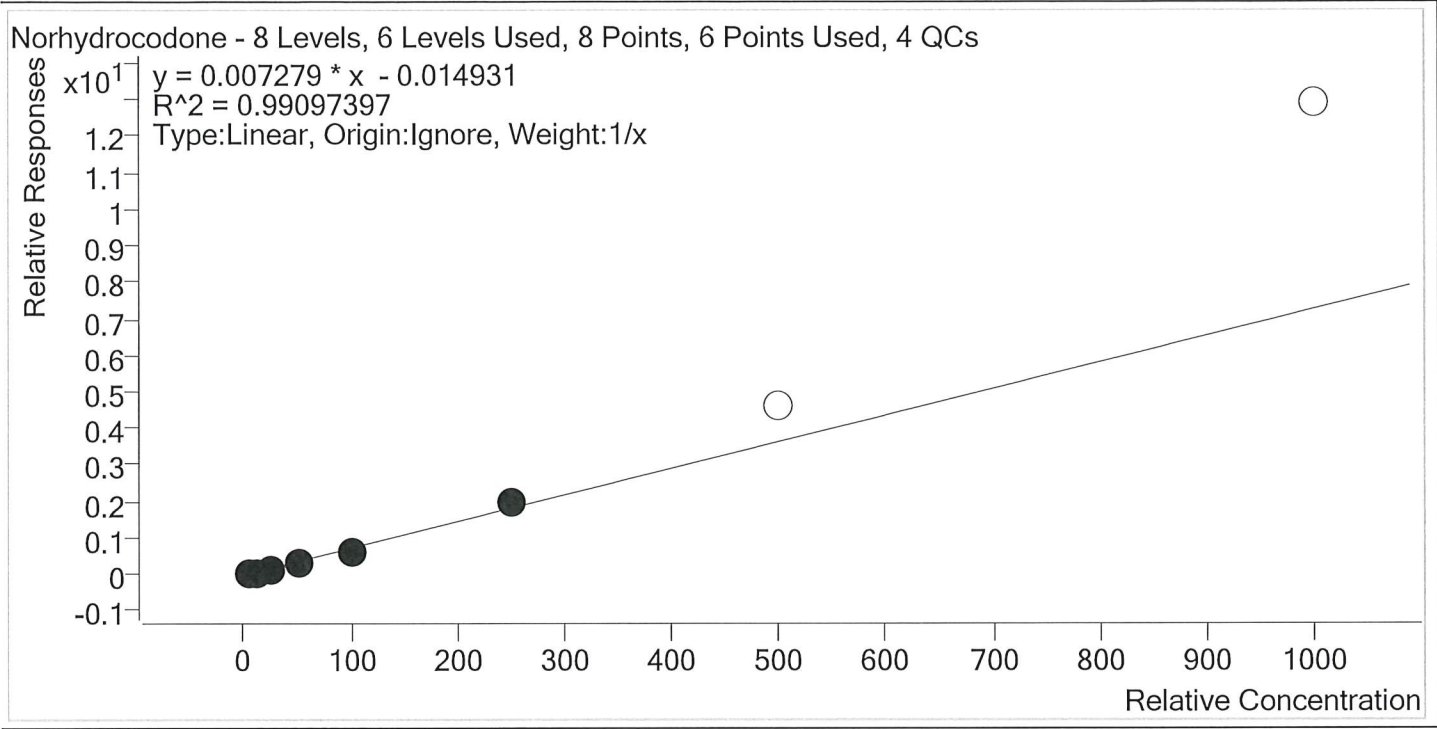**Analyte**   Norfentanyl   **Internal Standard**   Norfentanyl-D5
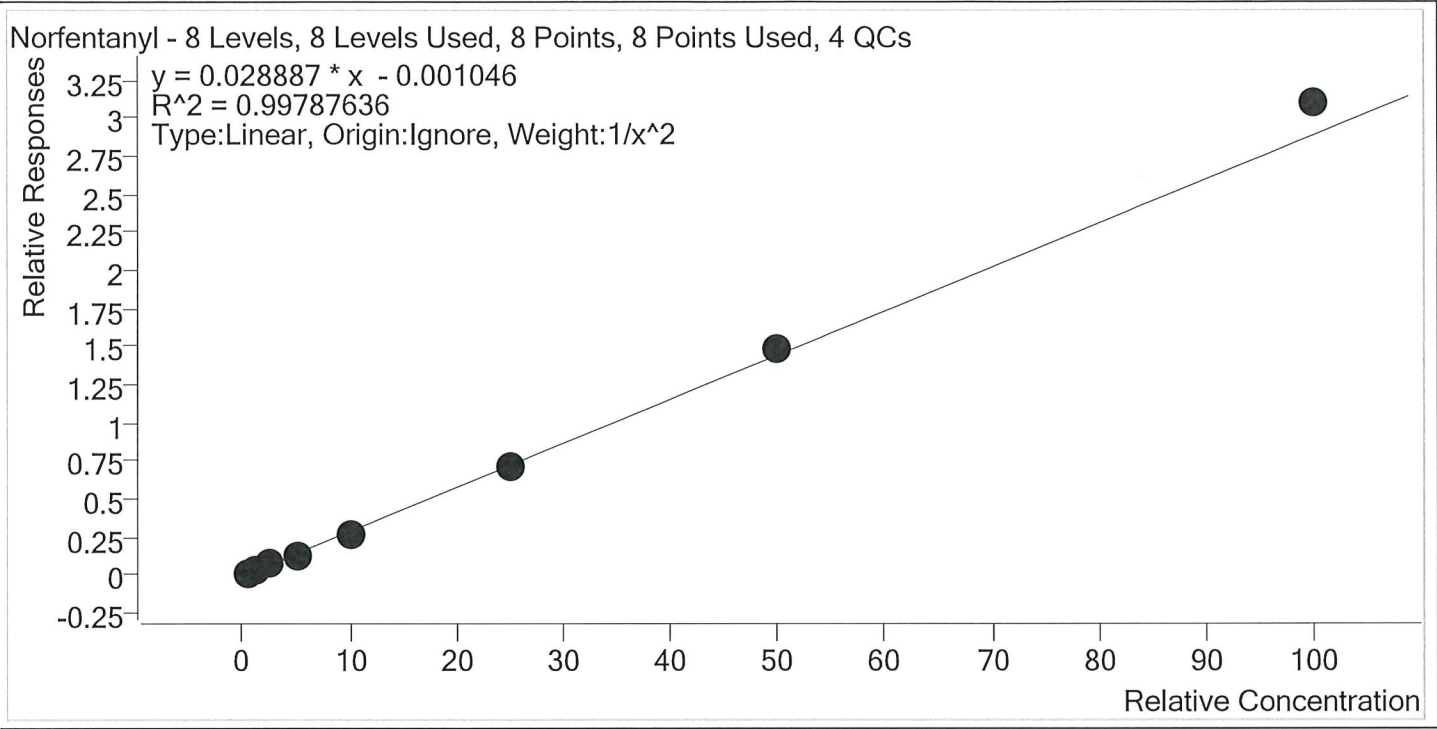
Norfentanyl - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.028887 * x - 0.001046$
$R^2 = 0.99787636$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	102.5
p1 Cal 2- 10ng	2	✓	1.0	1.0	97.1
p1 Cal 3 -25ng	3	✓	2.5	2.4	97.4
p1 Cal 4-50ng	4	✓	5.0	4.8	95.9
p1 Cal 5-100ng	5	✓	10.0	9.7	96.7
p1 Cal 6-250ng	6	✓	25.0	25.0	100.0
p1 Cal 7-500ng	7	✓	50.0	51.5	103.1
p1 Cal 8-1000ng	8	✓	100.0	107.3	107.3

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin
Last Cal. Update	11/18/2020 12:49 PM
Analyst Name	ISP\datastor
Analyte	Norhydrocodone

Internal Standard   Norhydrocodone-D3

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

$y = 0.007279 * x - 0.014931$
$R^2 = 0.99097397$
Type:Linear, Origin:Ignore, Weight:1/x

Relative Responses — Relative Concentration

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	6.2	123.5
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.3
p1 Cal 3 -25ng	3	✓	25.0	21.4	85.5
p1 Cal 4-50ng	4	✓	50.0	46.1	92.2
p1 Cal 5-100ng	5	✓	100.0	90.1	90.1
p1 Cal 6-250ng	6	✓	250.0	266.1	106.4
p1 Cal 7-500ng	7	✗	500.0	639.9	128.0
p1 Cal 8-1000ng	8	✗	1000.0	1776.0	177.6

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin
Last Cal. Update   11/18/2020 12:49 PM
Analyst Name   ISP\datastor
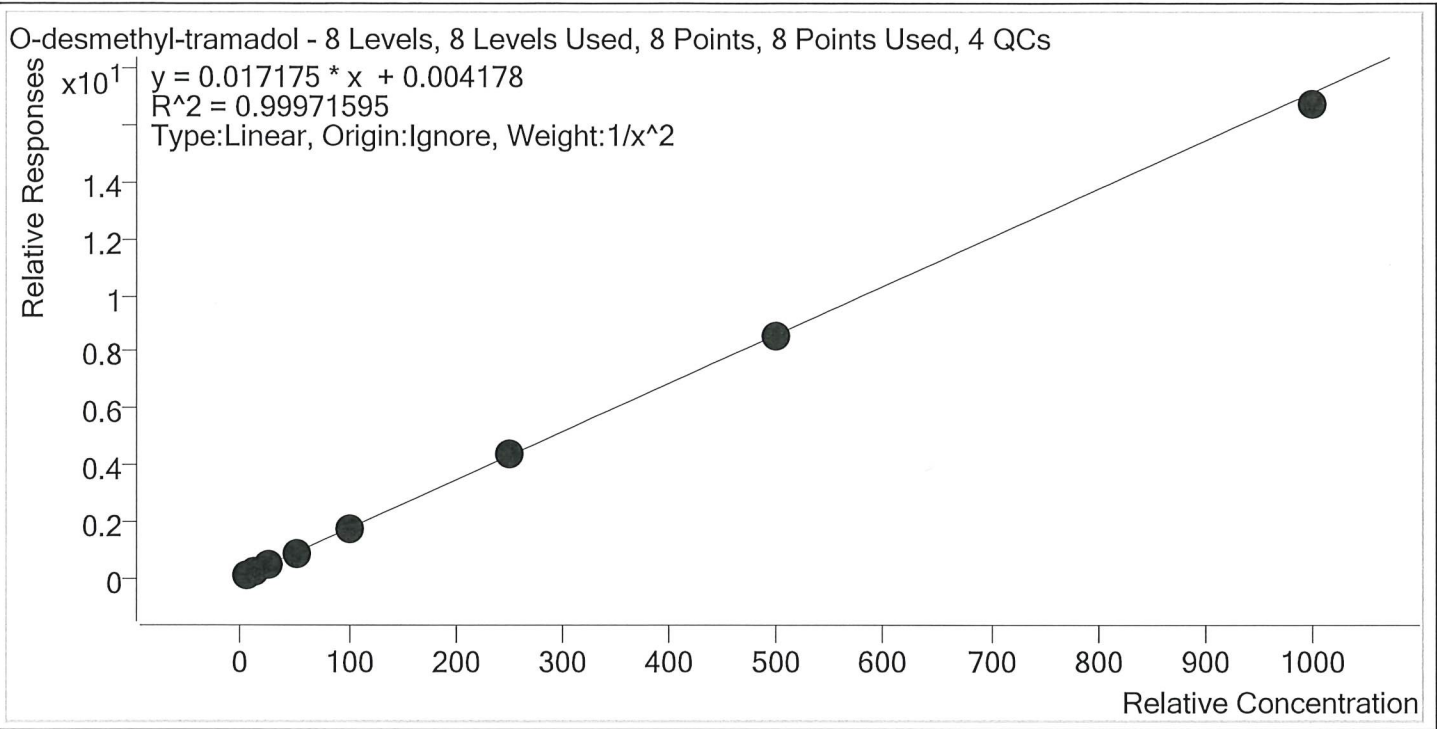**Analyte**   Noroxycodone   **Internal Standard**   Noroxycodone-D3
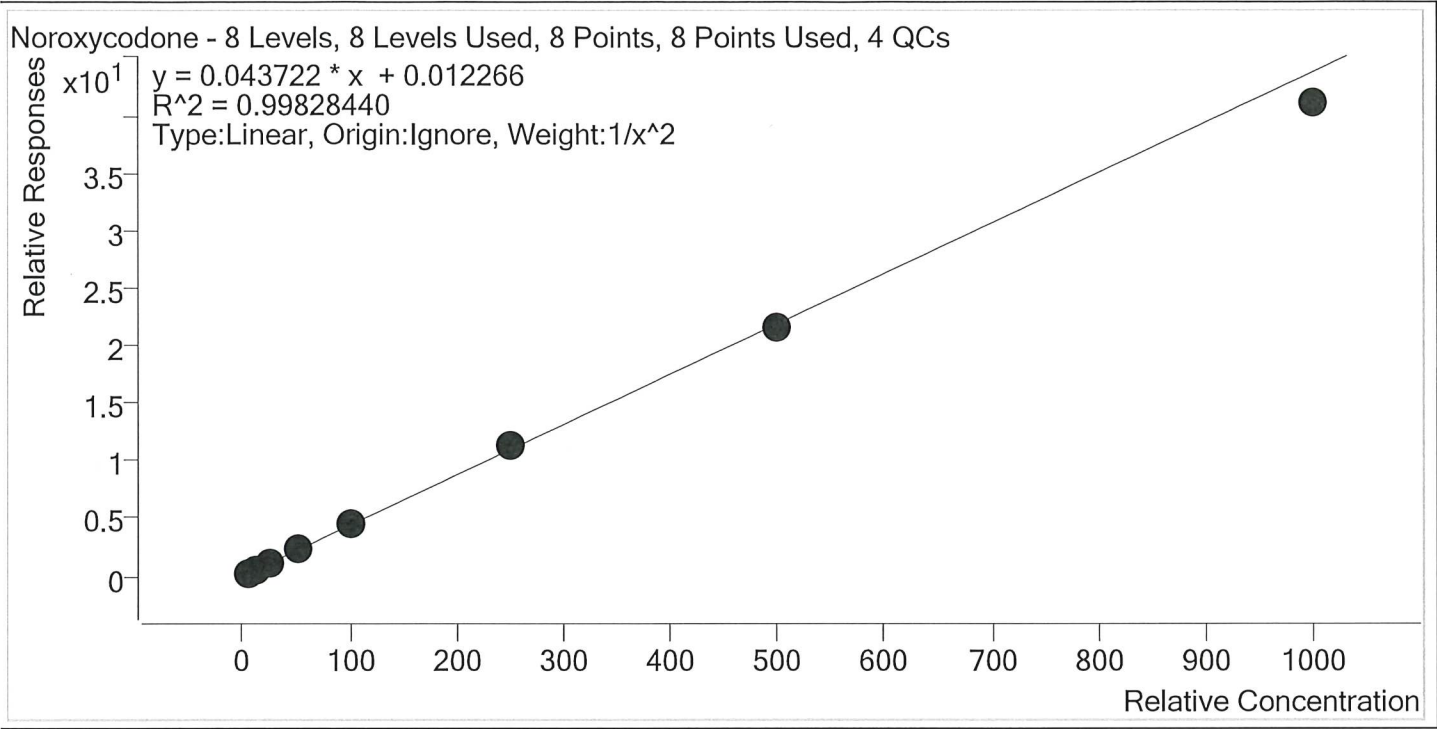
Noroxycodone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.043722 * x + 0.012266$
$R^2 = 0.99828440$
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	99.8
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.2
p1 Cal 3 -25ng	3	✓	25.0	25.0	99.9
p1 Cal 4-50ng	4	✓	50.0	53.1	106.2
p1 Cal 5-100ng	5	✓	100.0	99.9	99.9
p1 Cal 6-250ng	6	✓	250.0	257.9	103.2
p1 Cal 7-500ng	7	✓	500.0	490.0	98.0
p1 Cal 8-1000ng	8	✓	1000.0	938.3	93.8

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin
Last Cal. Update	11/18/2020 12:49 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

$y = 0.017175 * x + 0.004178$
$R^2 = 0.99971595$
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	99.7
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.2
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.4
p1 Cal 4-50ng	4	✓	50.0	51.3	102.6
p1 Cal 5-100ng	5	✓	100.0	100.7	100.7
p1 Cal 6-250ng	6	✓	250.0	251.3	100.5
p1 Cal 7-500ng	7	✓	500.0	496.5	99.3
p1 Cal 8-1000ng	8	✓	1000.0	975.1	97.5

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin
Last Cal. Update   11/18/2020 12:49 PM
Analyst Name   ISP\datastor
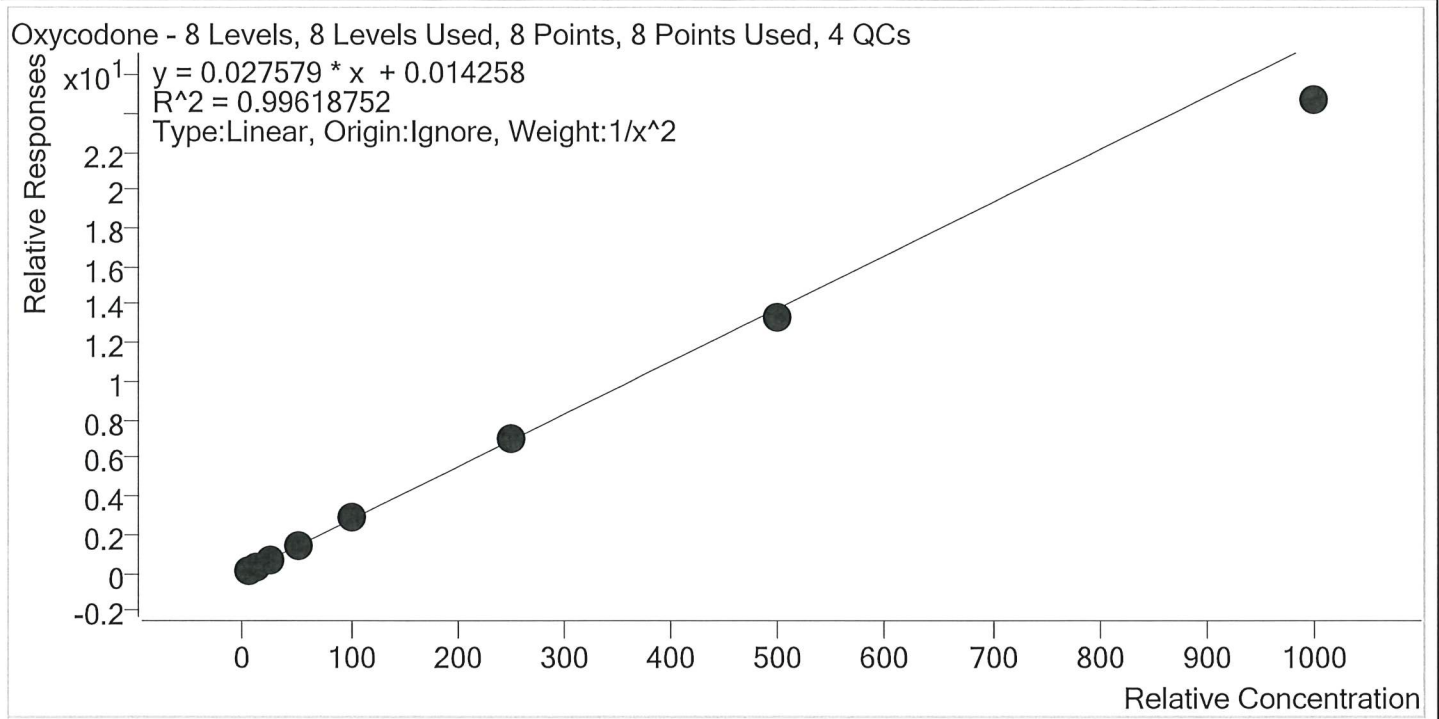**Analyte**   Oxazepam   **Internal Standard**   Oxazepam-D5
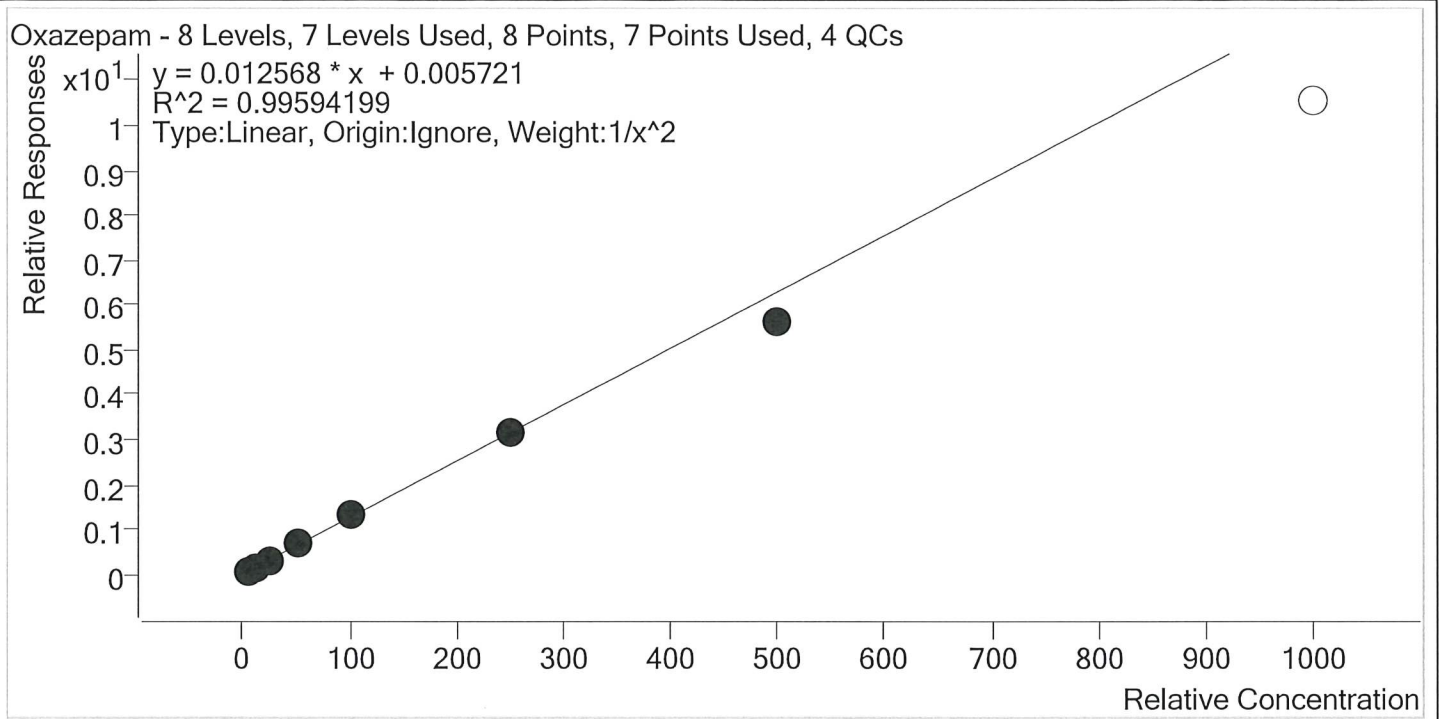
Oxazepam - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs
$y = 0.012568 * x + 0.005721$
$R^2 = 0.99594199$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

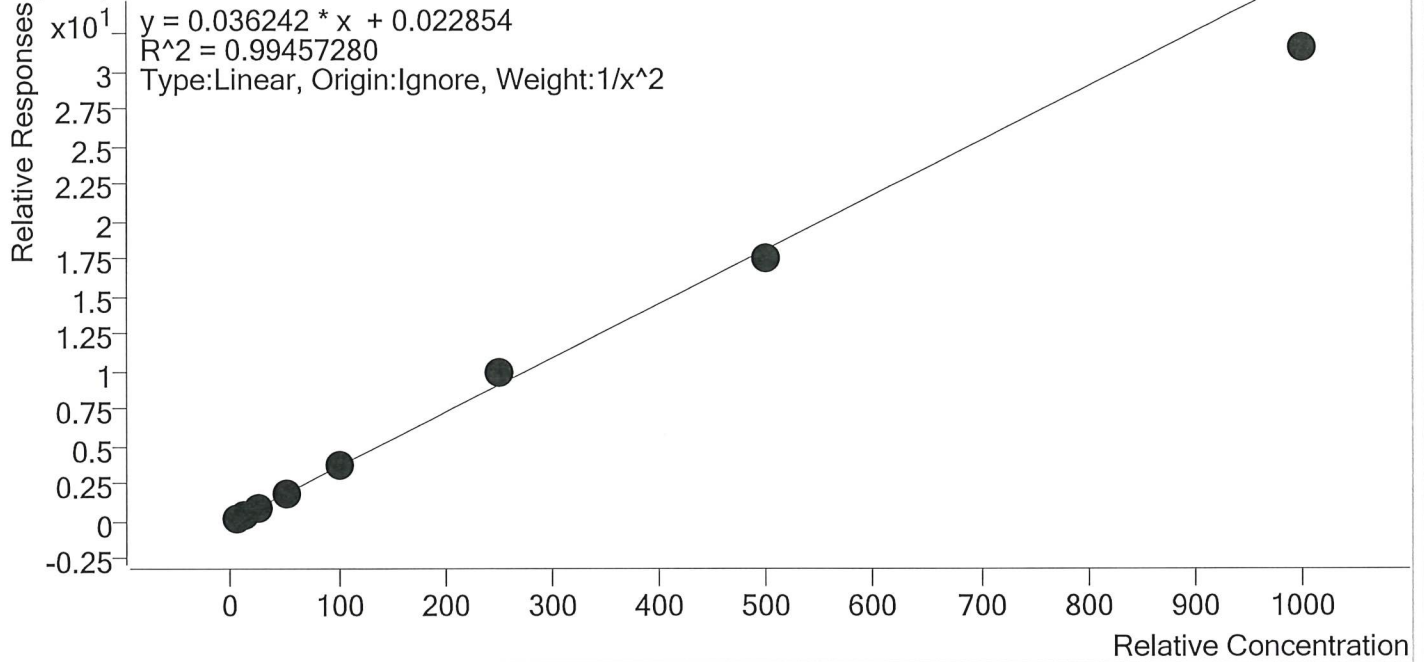| Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.2
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.9
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.1
p1 Cal 4-50ng	4	✓	50.0	52.4	104.9
p1 Cal 5-100ng	5	✓	100.0	104.1	104.1
p1 Cal 6-250ng	6	✓	250.0	252.6	101.0
p1 Cal 7-500ng	7	✓	500.0	444.0	88.8
p1 Cal 8-1000ng	8	✗	1000.0	838.6	83.9

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin
Last Cal. Update   11/18/2020 12:49 PM
Analyst Name   ISP\datastor
Analyte   Oxycodone   **Internal Standard**   Oxycodone-D6

Oxycodone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs
$y = 0.027579 * x + 0.014258$
$R^2 = 0.99618752$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.5
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.8
p1 Cal 3 -25ng	3	✓	25.0	26.0	103.9
p1 Cal 4-50ng	4	✓	50.0	53.6	107.2
p1 Cal 5-100ng	5	✓	100.0	103.5	103.5
p1 Cal 6-250ng	6	✓	250.0	251.5	100.6
p1 Cal 7-500ng	7	✓	500.0	485.6	97.1
p1 Cal 8-1000ng	8	✓	1000.0	894.1	89.4

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin
Last Cal. Update	11/18/2020 12:49 PM
Analyst Name	ISP\datastor
Analyte	Oxymorphone

Internal Standard   Oxymorphone-D3

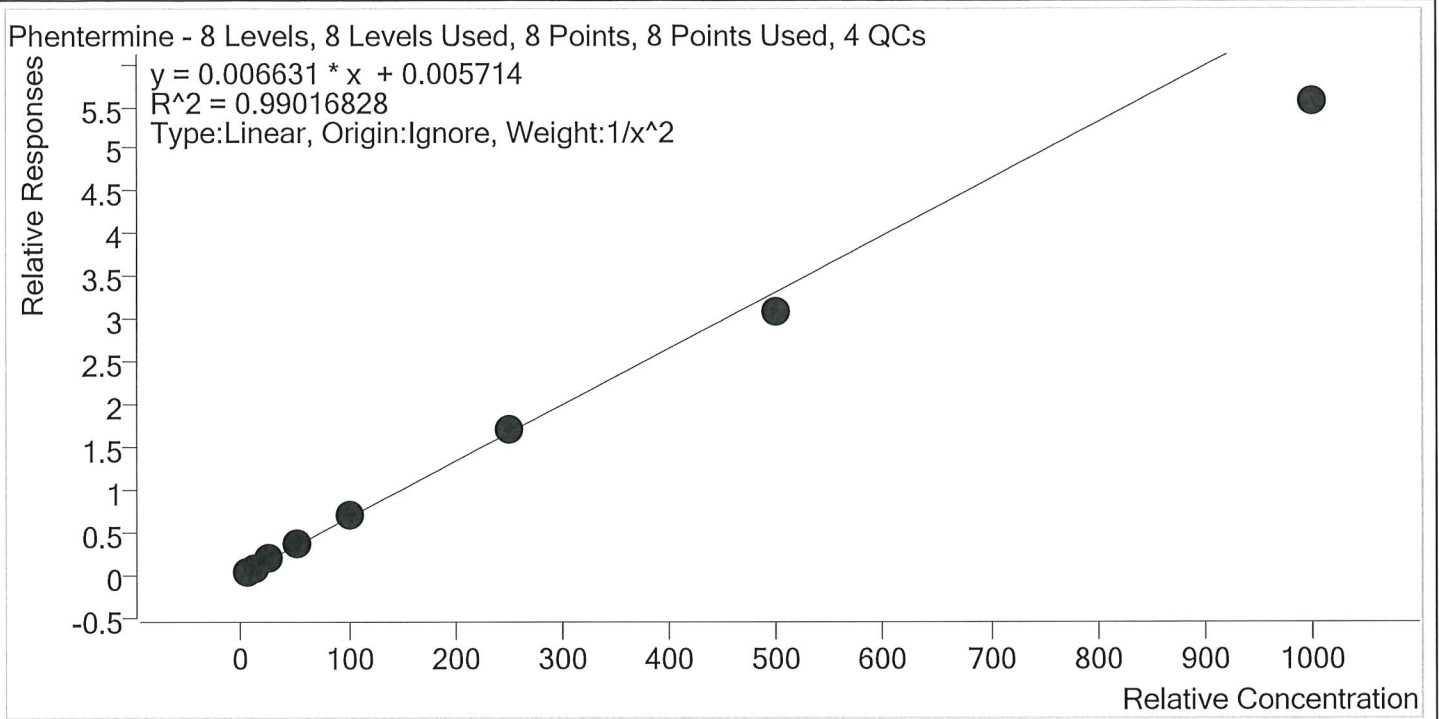Oxymorphone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.036242 * x + 0.022854$
$R^2 = 0.99457280$
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	98.4
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.2
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.6
p1 Cal 4-50ng	4	✓	50.0	51.4	102.8
p1 Cal 5-100ng	5	✓	100.0	105.3	105.3
p1 Cal 6-250ng	6	✓	250.0	270.2	108.1
p1 Cal 7-500ng	7	✓	500.0	482.9	96.6
p1 Cal 8-1000ng	8	✓	1000.0	870.7	87.1

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin

Last Cal. Update   11/18/2020 12:49 PM

Analyst Name   ISP\datastor

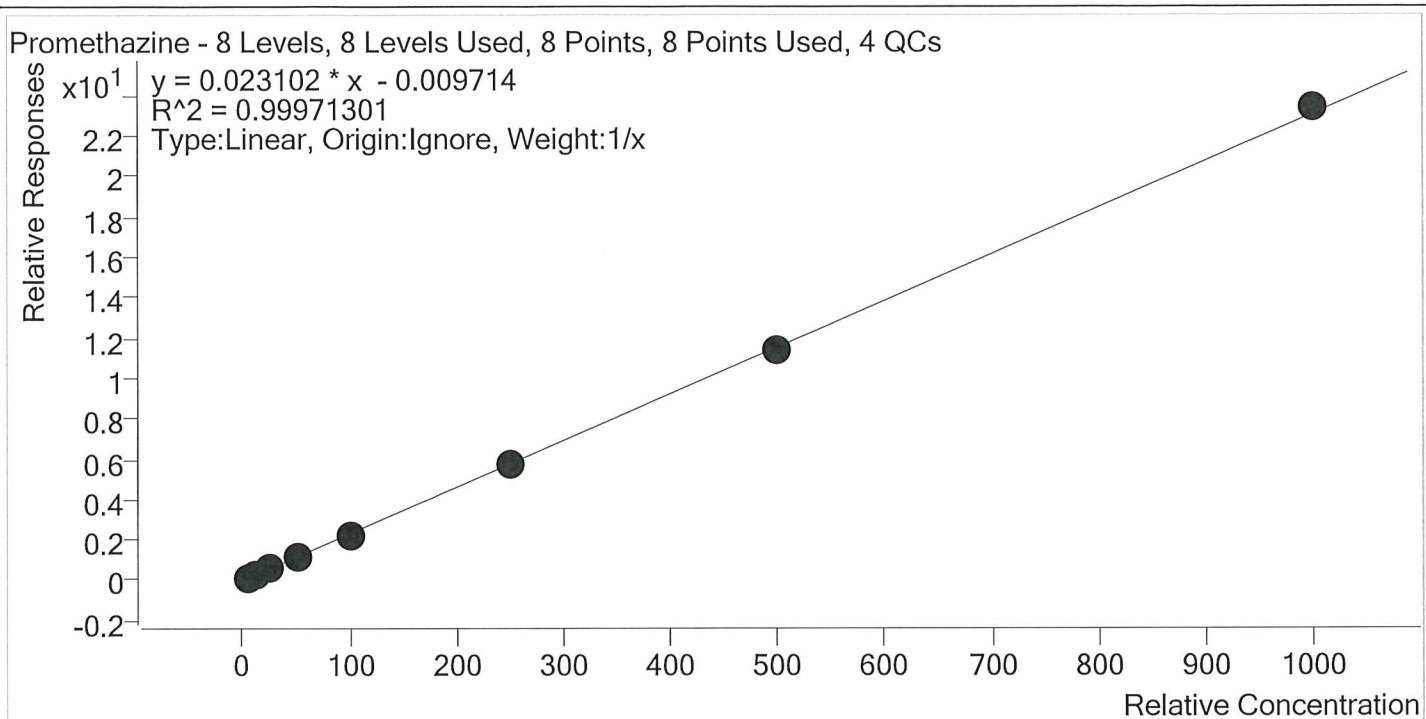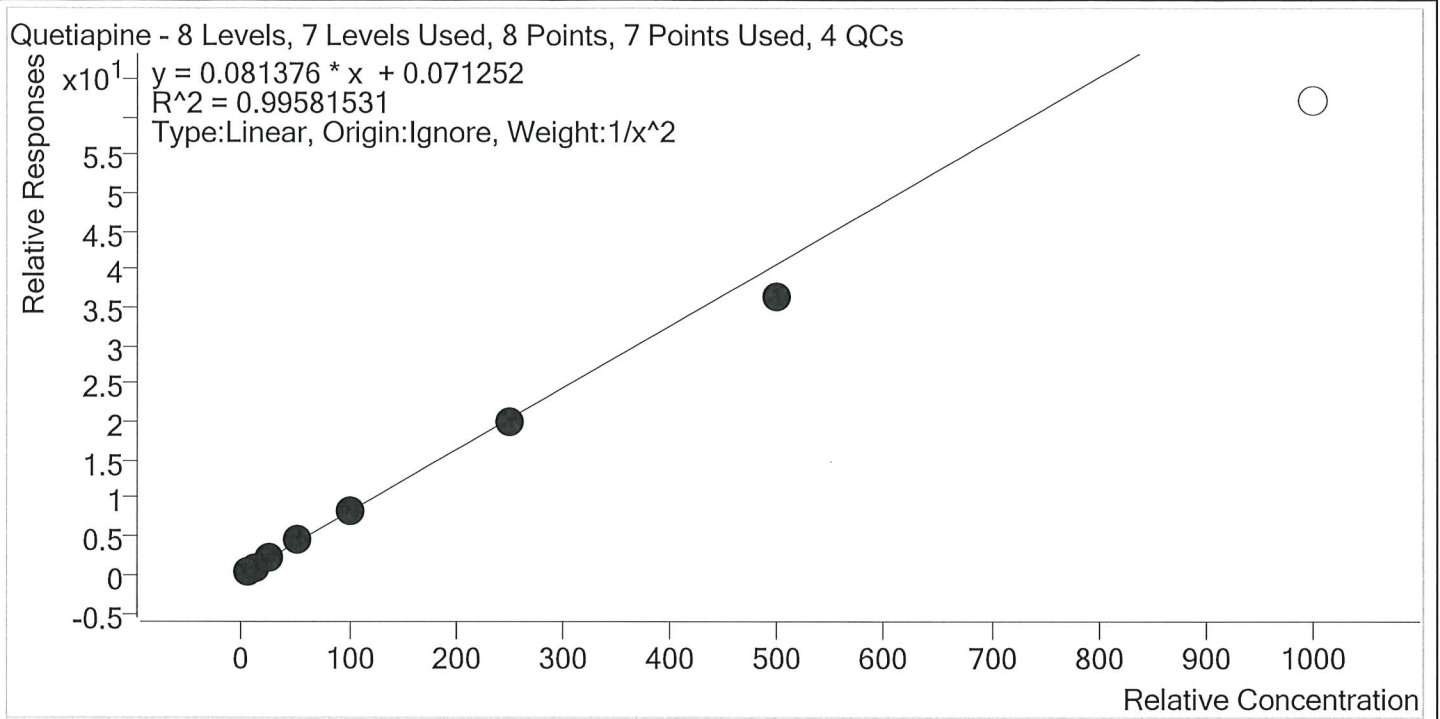**Analyte**   Phentermine   **Internal Standard**   Phentermine-D5

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

$y = 0.006631 * x + 0.005714$
$R^2 = 0.99016828$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.1
p1 Cal 2- 10ng	2	✓	10.0	10.3	103.3
p1 Cal 3 -25ng	3	✓	25.0	26.2	105.0
p1 Cal 4-50ng	4	✓	50.0	55.2	110.3
p1 Cal 5-100ng	5	✓	100.0	107.0	107.0
p1 Cal 6-250ng	6	✓	250.0	254.3	101.7
p1 Cal 7-500ng	7	✓	500.0	464.6	92.9
p1 Cal 8-1000ng	8	✓	1000.0	837.2	83.7

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin
Last Cal. Update	11/18/2020 12:49 PM
Analyst Name	ISP\datastor
Analyte	Promethazine

Internal Standard   Promethazine-D3

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

$y = 0.023102 * x - 0.009714$
$R^2 = 0.99971301$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	106.9
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.2
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.5
p1 Cal 4-50ng	4	✓	50.0	49.6	99.3
p1 Cal 5-100ng	5	✓	100.0	96.2	96.2
p1 Cal 6-250ng	6	✓	250.0	247.0	98.8
p1 Cal 7-500ng	7	✓	500.0	493.4	98.7
p1 Cal 8-1000ng	8	✓	1000.0	1013.9	101.4

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin
Last Cal. Update   11/18/2020 12:49 PM
Analyst Name   ISP\datastor

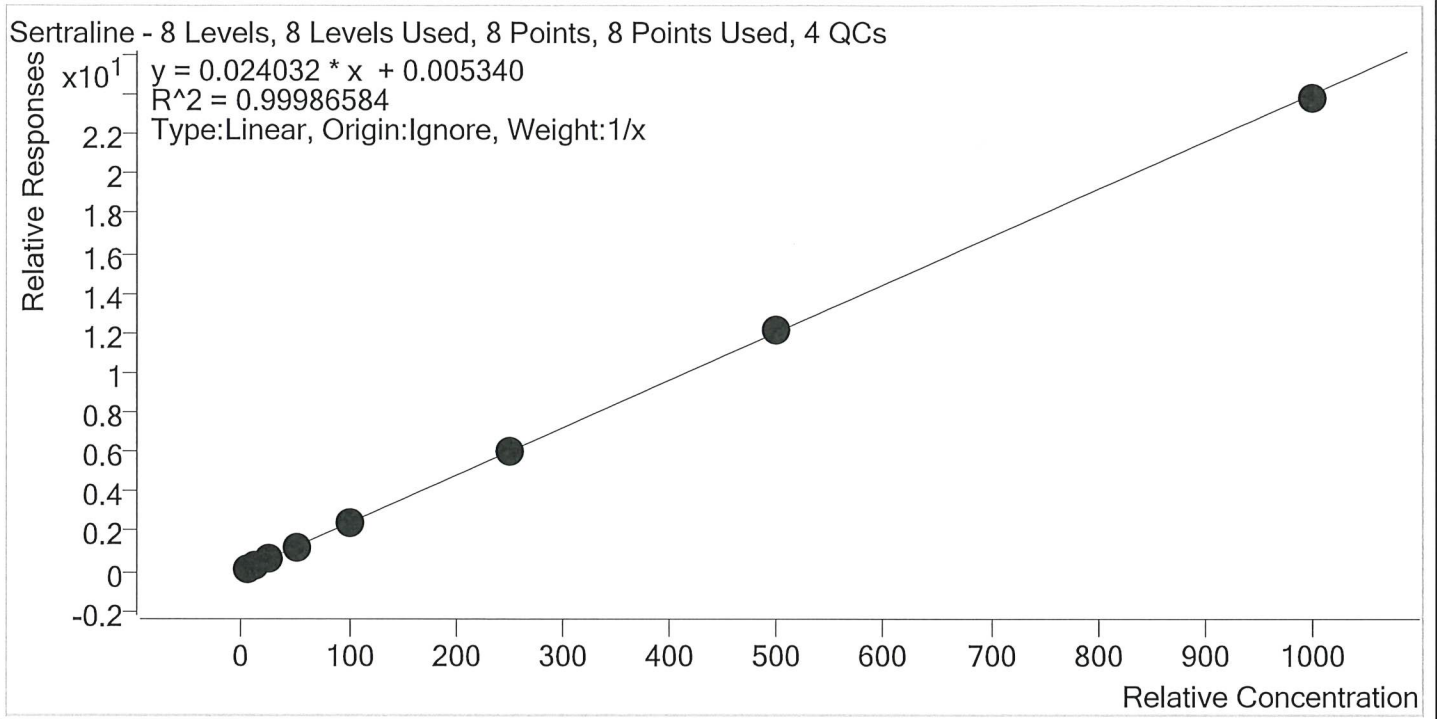**Analyte**   Quetiapine   **Internal Standard**   Quetiapine-D8

Quetiapine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs
$y = 0.081376 * x + 0.071252$
$R^2 = 0.99581531$
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	100.4
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.0
p1 Cal 4-50ng	4	✓	50.0	53.8	107.7
p1 Cal 5-100ng	5	✓	100.0	103.7	103.7
p1 Cal 6-250ng	6	✓	250.0	246.2	98.5
p1 Cal 7-500ng	7	✓	500.0	449.5	89.9
p1 Cal 8-1000ng	8	✗	1000.0	762.5	76.2

SJ

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin
Last Cal. Update   11/18/2020 12:49 PM
Analyst Name   ISP\datastor
Analyte   Sertraline   **Internal Standard**   Sertraline-D3
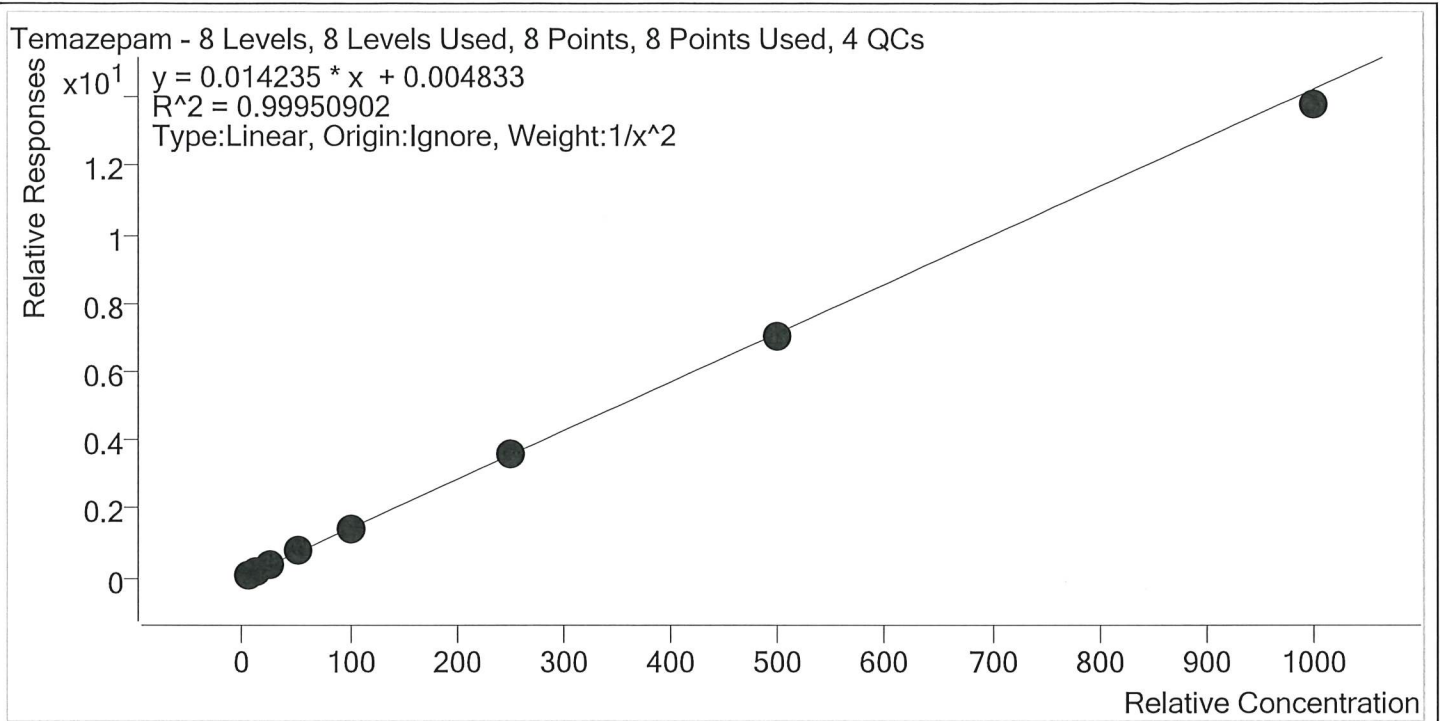
Sertraline - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.024032 * x + 0.005340$
$R^2 = 0.99986584$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.9
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.1
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.3
p1 Cal 4-50ng	4	✓	50.0	50.3	100.7
p1 Cal 5-100ng	5	✓	100.0	101.1	101.1
p1 Cal 6-250ng	6	✓	250.0	250.8	100.3
p1 Cal 7-500ng	7	✓	500.0	507.6	101.5
p1 Cal 8-1000ng	8	✓	1000.0	990.8	99.1

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin
Last Cal. Update   11/18/2020 12:49 PM
Analyst Name   ISP\datastor

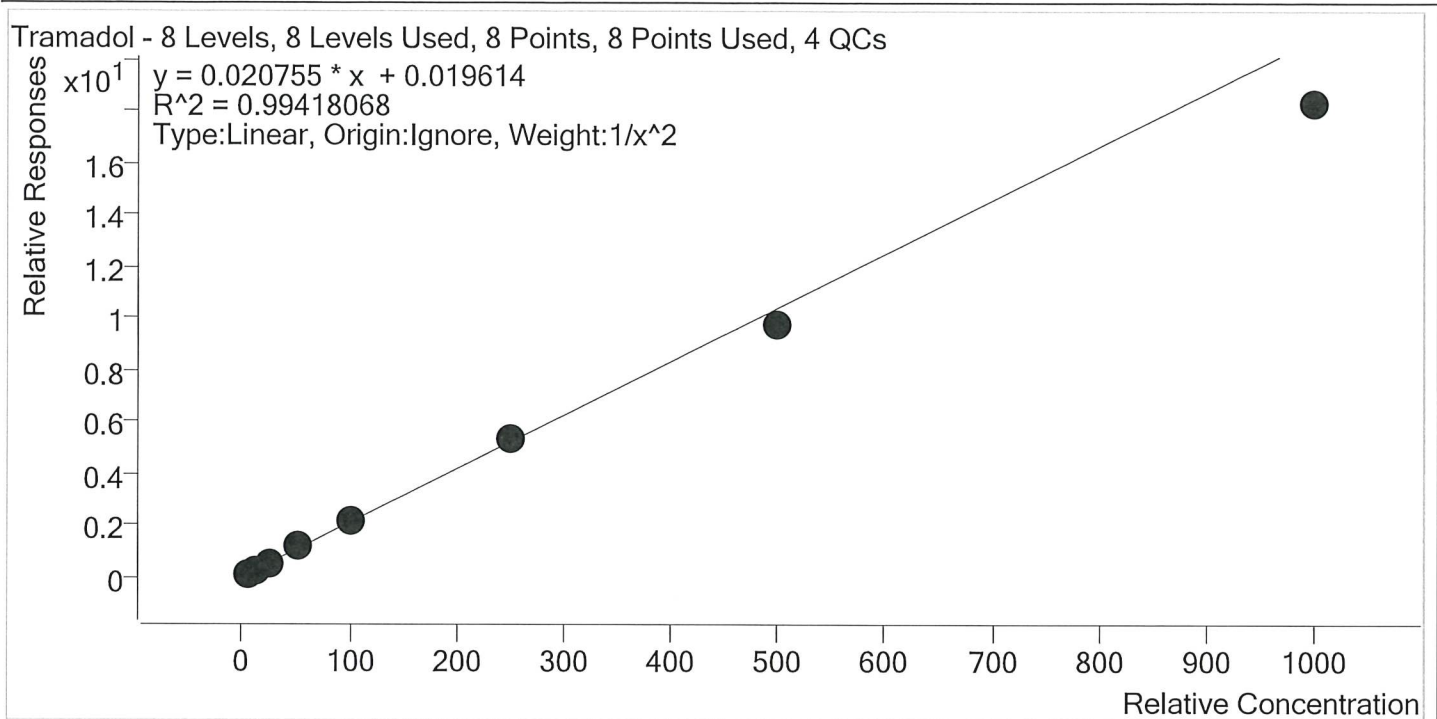**Analyte**   Temazepam   **Internal Standard**   Temazepam-D5

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

$y = 0.014235 * x + 0.004833$
$R^2 = 0.99950902$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.6
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.6
p1 Cal 4-50ng	4	✓	50.0	51.5	103.1
p1 Cal 5-100ng	5	✓	100.0	101.2	101.2
p1 Cal 6-250ng	6	✓	250.0	252.8	101.1
p1 Cal 7-500ng	7	✓	500.0	494.7	98.9
p1 Cal 8-1000ng	8	✓	1000.0	968.1	96.8

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin
Last Cal. Update   11/18/2020 12:49 PM
Analyst Name   ISP\datastor
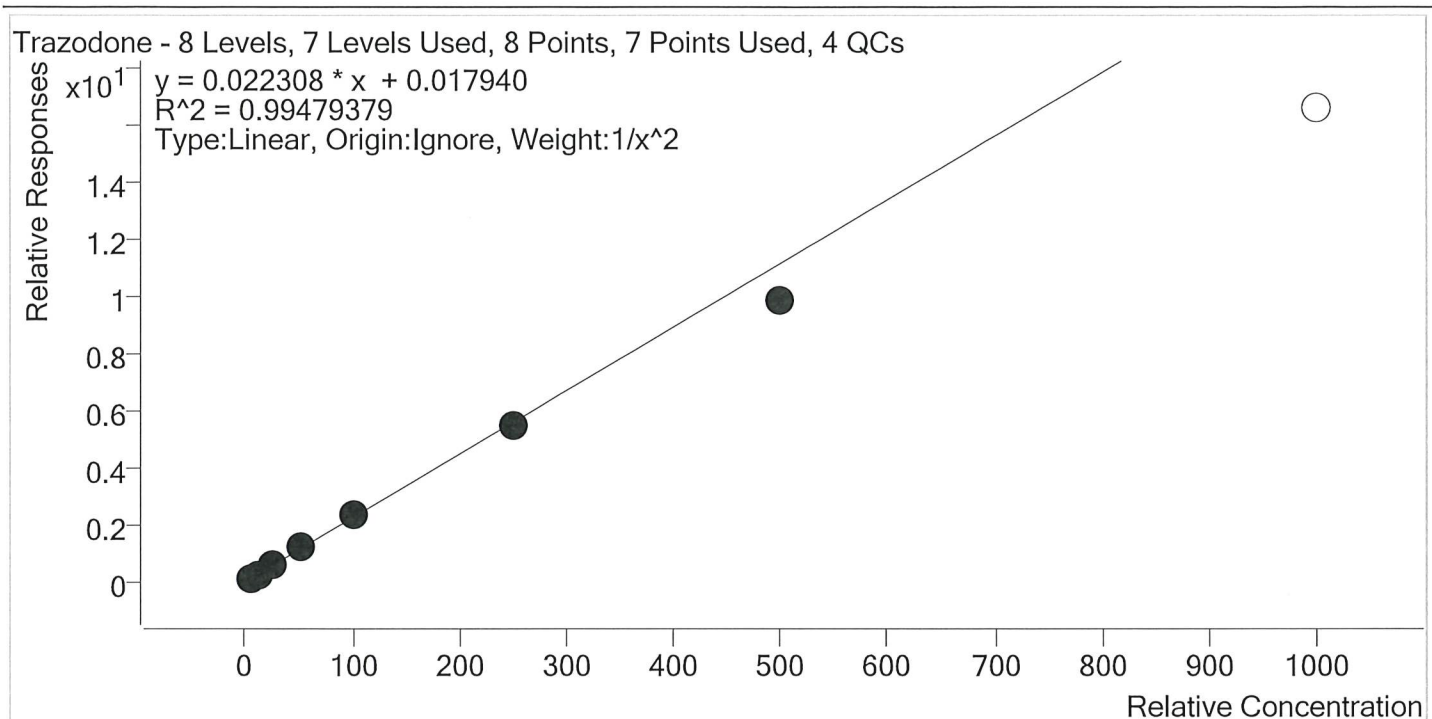**Analyte**   Tramadol   **Internal Standard**   Tramadol-13C-D3

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

$y = 0.020755 * x + 0.019614$
$R^2 = 0.99418068$
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	96.2
p1 Cal 2- 10ng	2	✓	10.0	10.5	104.6
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.0
p1 Cal 4-50ng	4	✓	50.0	54.0	108.0
p1 Cal 5-100ng	5	✓	100.0	103.7	103.7
p1 Cal 6-250ng	6	✓	250.0	256.2	102.5
p1 Cal 7-500ng	7	✓	500.0	470.2	94.0
p1 Cal 8-1000ng	8	✓	1000.0	880.0	88.0

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin
Last Cal. Update   11/18/2020 12:49 PM
Analyst Name   ISP\datastor

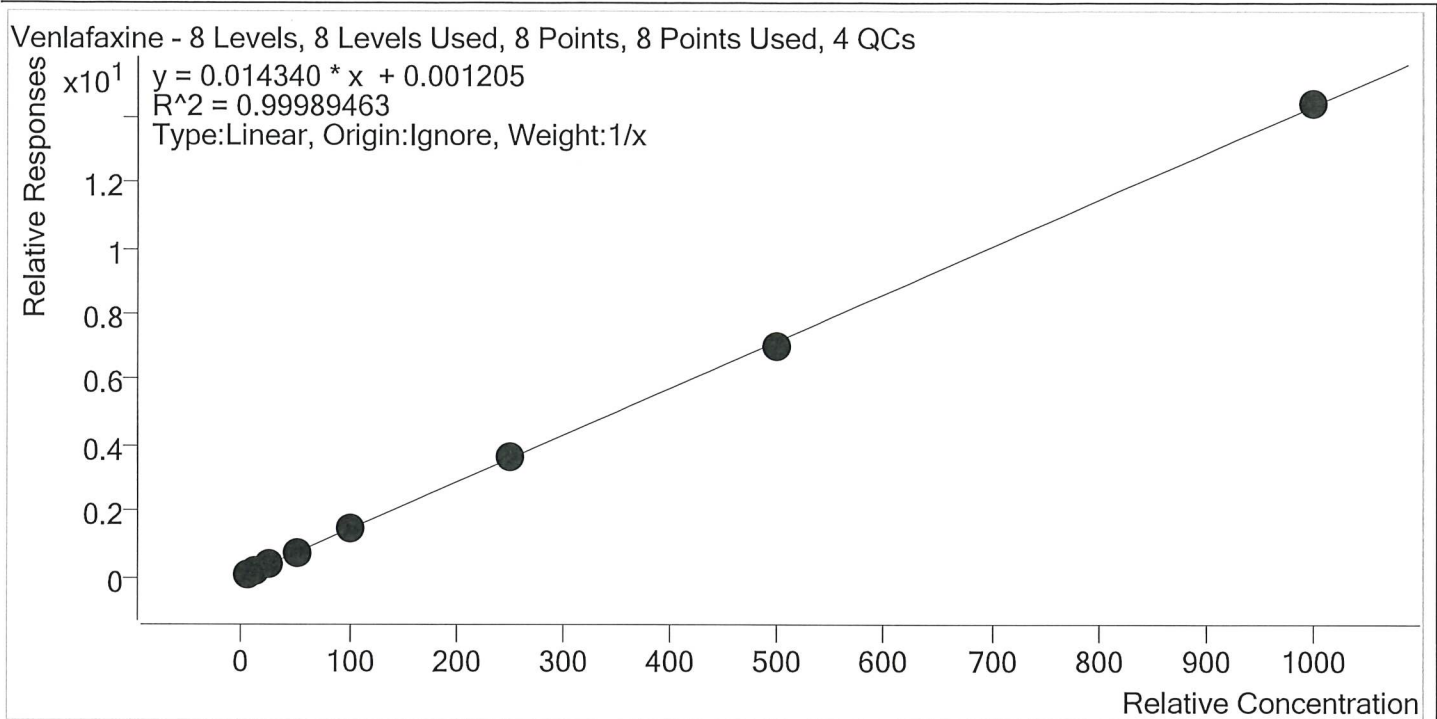**Analyte**   Trazodone   **Internal Standard**   Trazodone-D6

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

$y = 0.022308 * x + 0.017940$
$R^2 = 0.99479379$
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	97.6
p1 Cal 2- 10ng	2	✓	10.0	10.3	102.7
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.4
p1 Cal 4-50ng	4	✓	50.0	53.7	107.3
p1 Cal 5-100ng	5	✓	100.0	104.5	104.5
p1 Cal 6-250ng	6	✓	250.0	244.7	97.9
p1 Cal 7-500ng	7	✓	500.0	442.9	88.6
p1 Cal 8-1000ng	8	✗	1000.0	744.3	74.4

SJ

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin
Last Cal. Update   11/18/2020 12:49 PM
Analyst Name   ISP\datastor
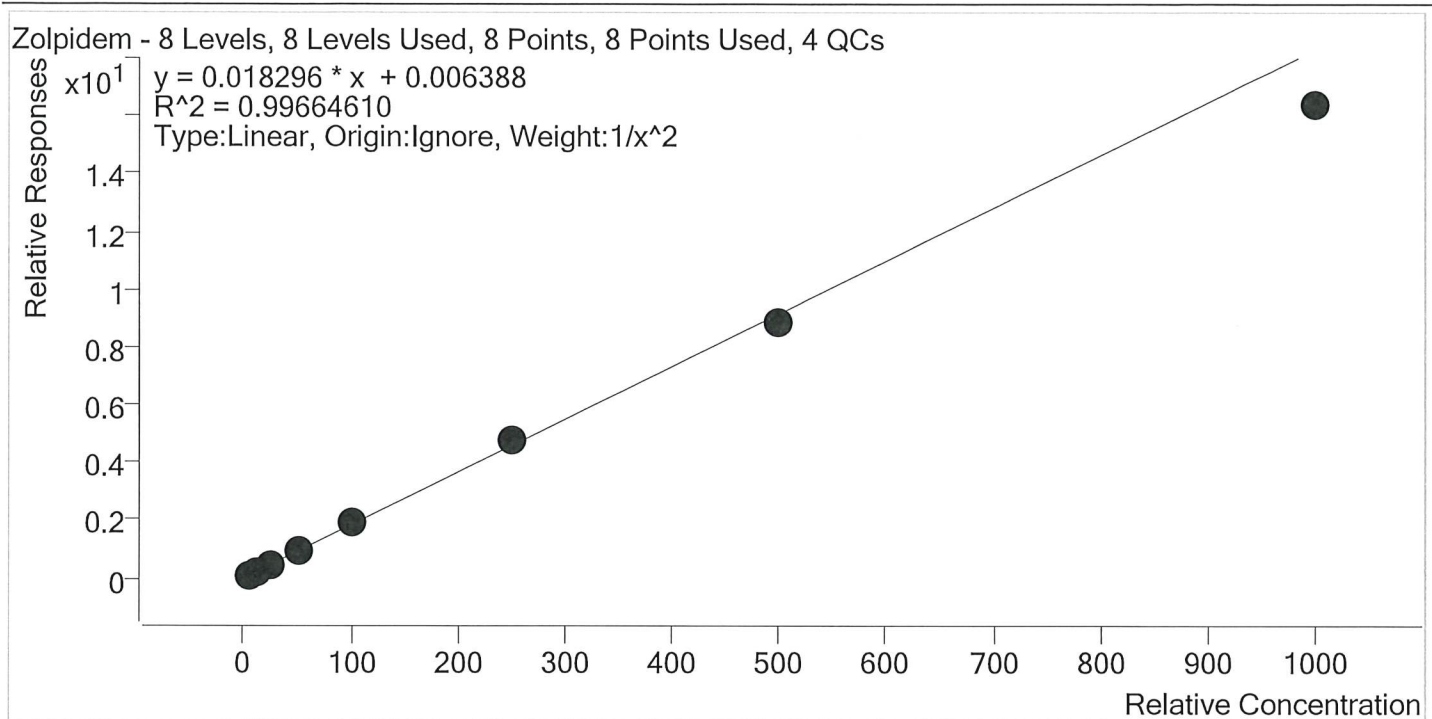**Analyte**   Venlafaxine   **Internal Standard**   Venlafaxine-D6

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

$y = 0.014340 * x + 0.001205$
$R^2 = 0.99989463$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.1
p1 Cal 2- 10ng	2	✓	10.0	9.9	98.7
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.2
p1 Cal 4-50ng	4	✓	50.0	50.7	101.5
p1 Cal 5-100ng	5	✓	100.0	100.7	100.7
p1 Cal 6-250ng	6	✓	250.0	252.3	100.9
p1 Cal 7-500ng	7	✓	500.0	492.3	98.5
p1 Cal 8-1000ng	8	✓	1000.0	1004.6	100.5

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin
Last Cal. Update   11/18/2020 12:49 PM
Analyst Name   ISP\datastor
Analyte   Zolpidem   **Internal Standard**   Zolpidem-D6

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

$y = 0.018296 * x + 0.006388$
$R^2 = 0.99664610$
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	100.5
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.0
p1 Cal 4-50ng	4	✓	50.0	52.5	105.1
p1 Cal 5-100ng	5	✓	100.0	104.4	104.4
p1 Cal 6-250ng	6	✓	250.0	258.4	103.4
p1 Cal 7-500ng	7	✓	500.0	486.2	97.2
p1 Cal 8-1000ng	8	✓	1000.0	895.0	89.5

AM #28 Multi-Drug Quant. Results

Batch results   D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin
Calibration Last Update   11/18/2020 12:49:42 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-H12	**Comment**	
Injection Volume	2		
Acq. Date-Time	11/16/2020 10:29:24 PM		
Sample Info.			

Sample Chromatogram

+ TIC MRM (** -> **) p1 Cal 1-5ng.d (p1 Cal 1-5ng)
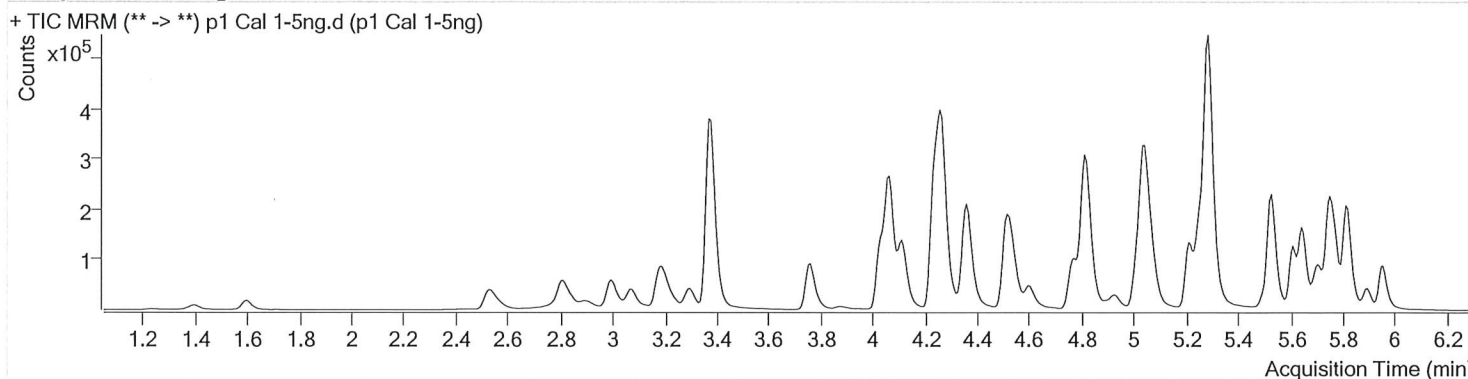
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.132	503	745.39	66.5	1568.92	9371	0.4861 ng/ml
7-aminoclonazepam	4.270	9346	169.66	88.3	∞	60814	5.0591 ng/ml
a-hydroxyalprazolam	5.695	6521	117.13	68.1	106.21	10613	4.8790 ng/ml
alpha-PHP	4.929	13215	3119.48	283.1	3285.26	460883	5.0159 ng/ml
alpha-PVP	4.369	56163	9351.34	46.9	420.28	460883	5.1217 ng/ml
Alprazolam	5.778	18101	484.51	106.0	346.69	73509	5.9671 ng/ml
Amphetamine	3.078	68273	1295.90	45.1	2157.53	38270	4.7756 ng/ml
Benzoylecgonine	3.905	1558	∞	8.5	189.04	10961	5.1931 ng/ml
Buprenorphine	5.680	778	976.92	13.5	619.27	42012	0.5284 ng/ml
Bupropion	4.787	53175	3531.67	61.4	613.79	217042	4.9614 ng/ml
Carisoprodol	5.727	6453	380.32	45.9	58.09	69983	4.8984 ng/ml
Citalopram	5.210	29574	231.77	43.1	∞	287722	4.9181 ng/ml
Clonazepam	5.608	39134	1624.14	29.9	∞	51095	4.8903 ng/ml
Cocaine	4.263	51419	4265.41	49.8	3620.81	594367	4.9721 ng/ml
Codeine	2.583	3736	333.98	116.0	261.05	25987	4.8585 ng/ml
Cyclobenzaprine	5.612	12947	336.44	11.9	56.62	102400	5.2588 ng/ml
Dextromethorphan	5.260	13510	2836.01	83.6	5644.69	130386	5.0816 ng/ml
Dextrorphan	4.117	5993	2007.71	234.5	902.36	265028	6.2614 ng/ml
Diazepam	5.956	15302	532.97	89.4	∞	159072	4.9502 ng/ml
Dihydrocodeine	2.562	10404	353.40	60.4	∞	93892	4.8552 ng/ml
Diphenhydramine	5.287	45757	8191.35	27.4	1261.79	1192257	4.6916 ng/ml
Doxylamine	4.535	75000	20920.89	99.7	6216.29	494258	4.9654 ng/ml
EDDP	5.252	17513	434.82	50.9	588.92	262093	5.0551 ng/ml
Fentanyl	5.087	1296	411.31	52.6	1268.44	120319	0.5281 ng/ml
Fluoxetine	5.703	11726	2521.21	7.9	157.73	104734	5.0249 ng/ml
Hydrocodone	3.020	9530	217.58	31.0	19.91	128550	4.8532 ng/ml
Hydromorphone	1.608	7119	214.04	74.6	156.05	40787	4.9824 ng/ml
Ketamine	4.043	41427	4948.05	40.7	178.06	309892	4.8624 ng/ml
Lamotrigine	4.273	2450	768.91	92.4	∞	309892	4.6913 ng/ml
Lorazepam	5.749	42151	302.92	52.0	∞	51095	4.5233 ng/ml
MDA	3.211	43050	1487.45	12.8	61.45	72570	4.7490 ng/ml
MDMA	3.304	44400	∞	35.8	212.25	52578	4.9987 ng/ml
Meprobamate	4.930	1873	∞	23.5	25.21	23414	4.9318 ng/ml

AM #28 Multi-Drug Quant. Results

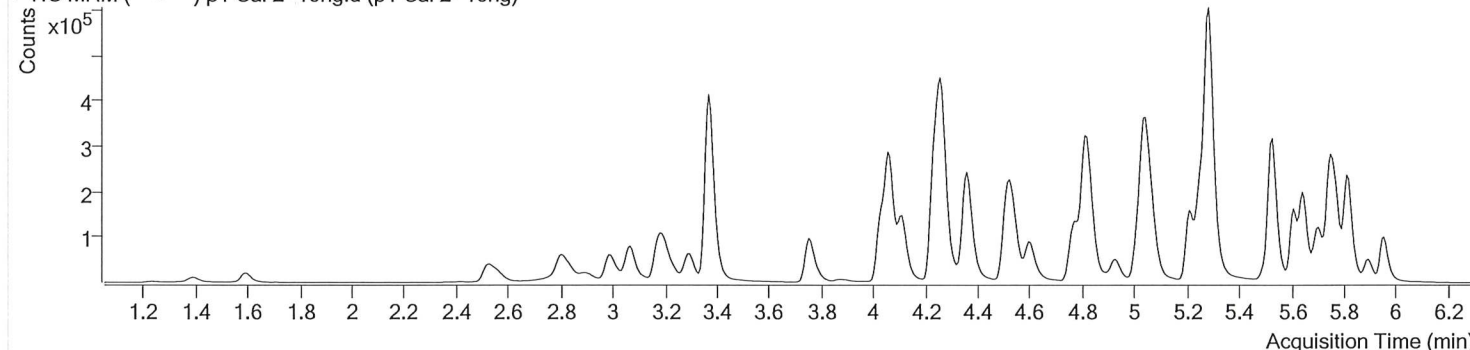| Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.650	32446	6402.61	45.7	2776.93	232228	4.9814 ng/ml
Methamphetamine	3.245	9693	157.27	40.2	74.85	160366	4.8762 ng/ml
Metoprolol	4.332	5175	6789.78	94.0	3505.38	640096	4.7677 ng/ml
Mirtazapine	4.602	64142	1455.62	53.7	3158.35	460883	5.1106 ng/ml
Mitragynine	5.208	5034	4125.82	37.2	387.67	232228	4.8754 ng/ml
Morphine	1.246	1021	1921.05	25.5	229.98	3916	4.8884 ng/ml
Norbuprenorphine	4.991	30	68.96	117.3 **High**	202.13	2425	0.5132 ng/ml
Nordiazepam	5.903	10516	275.30	64.9	221.53	63286	4.9466 ng/ml
Norfentanyl	4.085	7820	181.58	34.8	141.49	568458	0.5124 ng/ml
Norhydrocodone	3.075	280	19.48	43.8	400.91	9338	6.1762 ng/ml
Noroxycodone	2.918	9344	1139.17	45.3	429.89	40552	4.9896 ng/ml
O-desmethyl-tramadol	3.377	80213	729.84	6.2	207.18	893120	4.9859 ng/ml
Oxazepam	5.753	21583	2345.06	83.5	∞	319987	4.9117 ng/ml
Oxycodone	2.836	28338	448.69	28.5	640.55	188818	4.9249 ng/ml
Oxymorphone	1.403	4951	253.97	43.2	145.49	24619	4.9187 ng/ml
Phentermine	3.790	9053	∞	1.6	10.46	240906	4.8055 ng/ml
Promethazine	5.529	47949	21280.32	31.1	967.53	421346	5.3464 ng/ml
Quetiapine	5.512	27442	∞	57.0	∞	57994	4.9392 ng/ml
Sertraline	5.772	8398	177.04	86.4	13090.86	67615	4.9458 ng/ml
Temazepam	5.820	30780	397.18	33.7	130.47	406494	4.9798 ng/ml
Tramadol	4.252	76435	8001.45	3.7	118.76	640096	4.8085 ng/ml
Trazodone	5.059	35723	∞	76.7	4445.01	281764	4.8790 ng/ml
Venlafaxine	5.041	47298	398.51	35.4	136.25	641562	5.0569 ng/ml
Zolpidem	4.831	70568	172815.42	33.4	22881.17	729163	4.9404 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results   D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin
Calibration Last Update   11/18/2020 12:49:42 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-G12	**Comment**	
Injection Volume	2		
Acq. Date-Time	11/16/2020 10:40:10 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	3.132	985	2356.05	72.1	3716.80	9069	1.0693 ng/ml
7-aminoclonazepam	4.271	18841	725.86	83.3	∞	59847	9.9950 ng/ml
a-hydroxyalprazolam	5.695	13102	139.62	66.0	199.24	10765	10.0823 ng/ml
alpha-PHP	4.929	26117	784.39	292.1	10980.16	467736	9.9599 ng/ml
alpha-PVP	4.369	112759	520.15	47.4	469.36	467736	10.1153 ng/ml
Alprazolam	5.778	35502	2075.50	106.2	1192.44	70001	10.3652 ng/ml
Amphetamine	3.071	142893	5396.11	44.7	2978.52	41067	10.3863 ng/ml
Benzoylecgonine	3.898	2661	∞	7.5	145.35	10201	9.5031 ng/ml
Buprenorphine	5.680	1615	150.69	13.8	882.94	45773	0.9393 ng/ml
Bupropion	4.780	109694	545.07	62.2	384.65	227912	10.0676 ng/ml
Carisoprodol	5.727	13365	∞	42.5	90.84	68037	10.3575 ng/ml
Citalopram	5.210	60450	2359.65	43.6	713.21	294657	9.9966 ng/ml
Clonazepam	5.608	74377	8043.96	30.8	8397.42	49435	10.1919 ng/ml
Cocaine	4.263	103052	12806.07	47.7	44932.25	591062	10.1469 ng/ml
Codeine	2.577	7270	180.52	116.2	40801.83	25659	10.3233 ng/ml
Cyclobenzaprine	5.612	29929	222.13	11.6	157.54	121023	9.4749 ng/ml
Dextromethorphan	5.260	28556	1465.07	81.8	136.72	139811	9.8325 ng/ml
Dextrorphan	4.111	11234	56508.93	247.2	1394.56	264073	10.2189 ng/ml
Diazepam	5.956	30248	504.25	89.0	579.85	160050	10.0150 ng/ml
Dihydrocodeine	2.555	20768	2003.21	59.4	460.39	94168	10.2245 ng/ml
Diphenhydramine	5.287	94945	4565.72	29.6	72.18	1246588	9.8837 ng/ml
Doxylamine	4.535	147752	26944.99	98.7	23055.01	503363	9.9738 ng/ml
EDDP	5.252	39622	2183.25	49.6	1888.64	295273	9.9819 ng/ml
Fentanyl	5.080	2569	487.00	55.4	4209.91	135624	0.9215 ng/ml
Fluoxetine	5.703	29760	2410.60	9.0	∞	135521	9.8863 ng/ml
Hydrocodone	3.020	18907	195.72	31.5	113.83	129008	10.2789 ng/ml
Hydromorphone	1.601	13195	1209.79	74.5	111.67	38514	9.9395 ng/ml
Ketamine	4.043	79135	422.70	41.4	202.20	307166	10.2310 ng/ml
Lamotrigine	4.273	4886	174.20	86.6	7976.44	307166	10.9115 ng/ml
Lorazepam	5.749	82842	235.51	49.6	643.33	49435	10.2634 ng/ml
MDA	3.204	85095	737.09	13.4	519.89	73216	10.3748 ng/ml
MDMA	3.298	85410	∞	37.2	1326.62	53689	9.8536 ng/ml
Meprobamate	4.930	3548	∞	24.9	72.68	23247	10.1332 ng/ml

AM #28 Multi-Drug Quant. Results

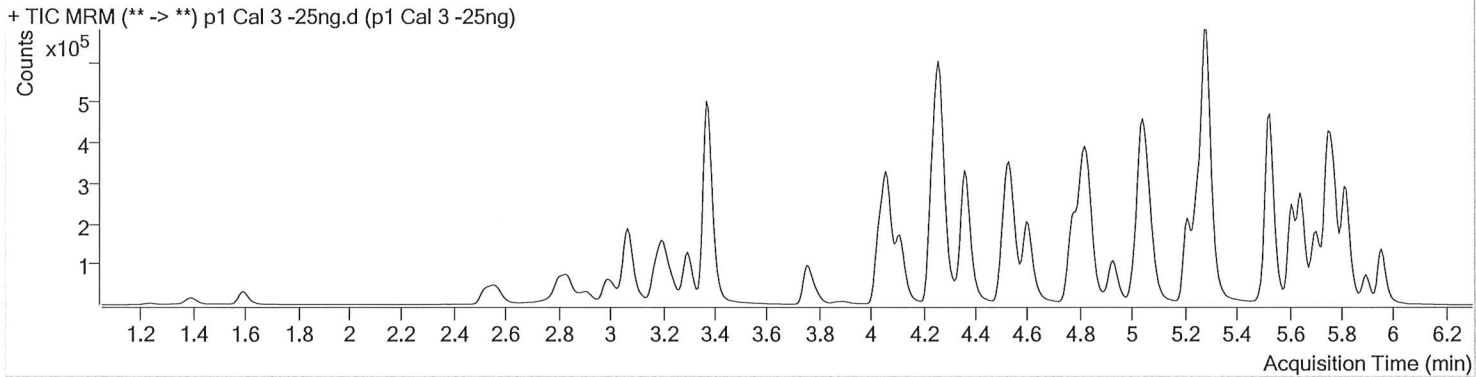| Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.650	68666	2900.46	45.9	1240.34	239735	10.1910 ng/ml
Methamphetamine	3.239	23197	221.63	41.6	171.48	199664	10.1595 ng/ml
Metoprolol	4.325	10233	1745.95	92.5	∞	631795	10.4988 ng/ml
Mirtazapine	4.596	131324	5150.63	53.3	2107.92	467736	9.9045 ng/ml
Mitragynine	5.208	10285	8397.77	39.3	13558.63	239735	10.3167 ng/ml
Morphine	1.240	1990	9381.80	26.2	∞	3662	10.4776 ng/ml
Norbuprenorphine	4.991	73	234.41	39.8 **Low**	∞	2900	1.0320 ng/ml
Nordiazepam	5.903	21559	439.85	59.0	771.43	64233	10.0564 ng/ml
Norfentanyl	4.085	15621	923.49	34.9	301.39	578696	0.9707 ng/ml
Norhydrocodone	3.061	538	26.06	35.6	∞	9037	10.2284 ng/ml
Noroxycodone	2.911	18260	500.34	46.0	168.20	40946	9.9196 ng/ml
O-desmethyl-tramadol	3.377	154978	8098.42	6.4	2331.46	878881	10.0237 ng/ml
Oxazepam	5.753	42764	1053.31	80.2	517.26	319695	10.1882 ng/ml
Oxycodone	2.836	55381	1112.27	29.0	757.39	191275	9.9815 ng/ml
Oxymorphone	1.396	9641	212.56	43.3	90.65	24519	10.2187 ng/ml
Phentermine	3.790	18735	715.61	1.6	22.07	252507	10.3274 ng/ml
Promethazine	5.529	113952	8236.05	30.9	654.35	508278	10.1249 ng/ml
Quetiapine	5.512	54006	∞	58.0	∞	60813	10.0374 ng/ml
Sertraline	5.772	22092	325.95	88.0	4497.22	88931	10.1148 ng/ml
Temazepam	5.820	61932	1239.01	33.0	114.03	418266	10.0624 ng/ml
Tramadol	4.245	149566	∞	3.4	133.78	631795	10.4612 ng/ml
Trazodone	5.059	72696	19168.15	76.0	6806.57	294354	10.2665 ng/ml
Venlafaxine	5.041	91150	396.11	36.2	138.54	638273	9.8744 ng/ml
Zolpidem	4.831	137125	39687.53	33.6	9568.79	720440	10.0538 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin
Calibration Last Update 11/18/2020 12:49:42 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-F12	**Comment**	
Injection Volume	2		
Acq. Date-Time	11/16/2020 10:50:45 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	3.132	2270	1511.37	72.5	∞	9600	2.4263 ng/ml
7-aminoclonazepam	4.271	43567	∞	89.1	4364.98	57687	23.4849 ng/ml
a-hydroxyalprazolam	5.695	31814	2268.36	67.3	1617.14	10214	26.4674 ng/ml
alpha-PHP	4.929	63428	∞	287.3	∞	464544	24.6482 ng/ml
alpha-PVP	4.369	270107	36112.95	48.4	765.15	464544	24.3725 ng/ml
Alprazolam	5.778	85642	956.98	107.6	1519.98	69891	22.4714 ng/ml
Amphetamine	3.071	349958	5719.50	45.3	4036.99	41388	26.8519 ng/ml
Benzoylecgonine	3.898	6906	406.39	7.2	280.59	10491	23.9198 ng/ml
Buprenorphine	5.680	3915	∞	13.0	∞	44628	2.2253 ng/ml
Bupropion	4.780	268633	1659.79	61.3	503.80	227834	25.1455 ng/ml
Carisoprodol	5.727	31761	87063.08	43.9	258.58	66213	25.1923 ng/ml
Citalopram	5.210	146323	12796.81	44.9	207.46	293365	24.5635 ng/ml
Clonazepam	5.608	178619	10143.75	31.0	∞	48556	25.7968 ng/ml
Cocaine	4.263	241591	∞	48.8	19771.99	578381	24.4831 ng/ml
Codeine	2.577	17278	258.54	113.3	4464.13	25699	25.5529 ng/ml
Cyclobenzaprine	5.612	78984	3282.32	12.0	∞	126935	22.5547 ng/ml
Dextromethorphan	5.260	68745	14557.34	82.9	579.12	137179	23.8490 ng/ml
Dextrorphan	4.111	27935	2353.77	232.4	9032.16	259736	23.1285 ng/ml
Diazepam	5.956	74061	∞	88.5	21942.94	156456	25.5360 ng/ml
Dihydrocodeine	2.555	50802	405.74	57.6	434.73	93234	26.0945 ng/ml
Diphenhydramine	5.287	231594	∞	28.7	533.27	1226312	25.3686 ng/ml
Doxylamine	4.528	361863	26584.88	99.1	33749.33	498305	25.2569 ng/ml
EDDP	5.252	91933	1084.86	50.4	622.68	282031	24.0078 ng/ml
Fentanyl	5.080	6505	385.14	56.0	5952.77	133303	2.3583 ng/ml
Fluoxetine	5.703	82565	693.01	9.0	∞	150198	24.7954 ng/ml
Hydrocodone	3.020	45135	364.19	30.9	78.48	126301	26.0726 ng/ml
Hydromorphone	1.601	33525	347.80	72.0	788.98	38278	25.6681 ng/ml
Ketamine	4.043	189890	842.03	42.4	1451.97	307690	25.8030 ng/ml
Lamotrigine	4.273	11002	11394.79	88.2	1726.85	307690	26.3429 ng/ml
Lorazepam	5.749	197836	∞	47.8	2456.37	48556	26.4461 ng/ml
MDA	3.204	206188	10918.16	12.5	1509.16	72395	27.0422 ng/ml
MDMA	3.298	210150	∞	36.3	6113.63	53348	25.1291 ng/ml
Meprobamate	4.923	8349	907.78	24.0	341.01	22963	25.2440 ng/ml

AM #28 Multi-Drug Quant. Results

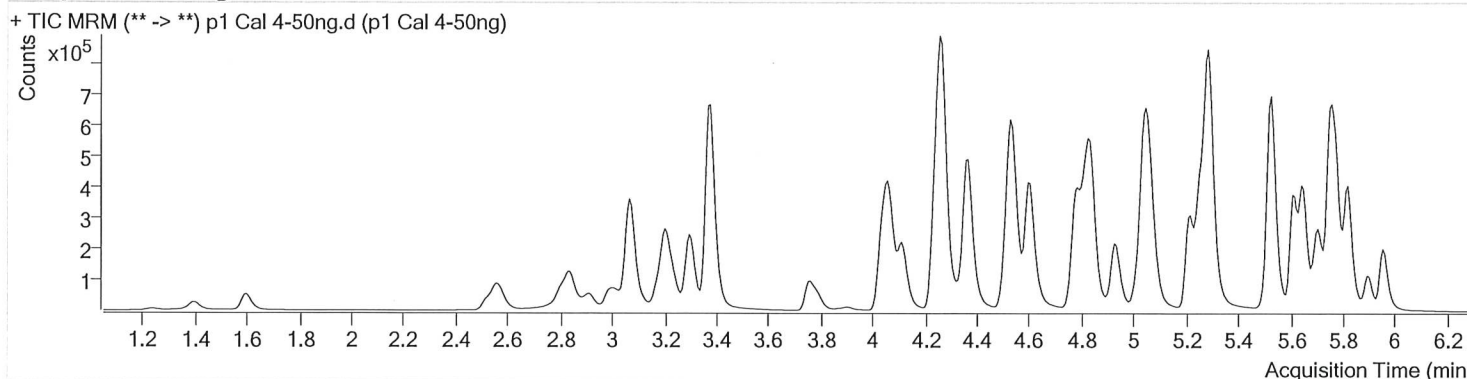| Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.650	165259	22968.54	46.2	2912.87	243617	24.1085 ng/ml
Methamphetamine	3.239	60537	397.16	41.3	717.04	211245	26.3121 ng/ml
Metoprolol	4.332	24653	26305.67	93.2	950.47	636800	26.4089 ng/ml
Mirtazapine	4.596	317022	61926.83	53.8	∞	464544	23.5036 ng/ml
Mitragynine	5.208	24660	138127.81	39.2	19604.88	243617	25.2673 ng/ml
Morphine	1.240	4700	2553.91	25.7	1364.80	3767	24.4040 ng/ml
Norbuprenorphine	4.984	171	429.10	65.7	408.37	2786	2.4600 ng/ml
Nordiazepam	5.903	51940	4565.59	59.9	2012.56	62039	25.1783 ng/ml
Norfentanyl	4.085	39785	12026.06	34.9	588.42	574105	2.4352 ng/ml
Norhydrocodone	3.068	1233	40.19	39.5	∞	8765	21.3723 ng/ml
Noroxycodone	2.911	44710	257.18	45.1	103.70	40480	24.9815 ng/ml
O-desmethyl-tramadol	3.377	380664	57347.20	6.2	15448.51	883571	24.8410 ng/ml
Oxazepam	5.753	100033	2032.54	83.0	664.66	309216	25.2852 ng/ml
Oxycodone	2.836	138032	1096.86	27.6	2829.66	189013	25.9627 ng/ml
Oxymorphone	1.396	22724	519.24	44.2	309.84	24556	24.9035 ng/ml
Phentermine	3.790	45408	356.03	1.5	59.15	252676	26.2389 ng/ml
Promethazine	5.529	298905	∞	31.1	808.10	540111	24.3759 ng/ml
Quetiapine	5.512	132753	∞	58.2	251527.36	62435	25.2530 ng/ml
Sertraline	5.772	59569	449.92	93.0	784.18	101009	24.3171 ng/ml
Temazepam	5.819	147247	355.20	34.4	669.44	413777	24.6599 ng/ml
Tramadol	4.252	352977	34068.44	3.5	372.69	636800	25.7622 ng/ml
Trazodone	5.059	172879	∞	76.5	165159.39	296242	25.3554 ng/ml
Venlafaxine	5.041	223660	972.13	35.7	240.86	633416	24.5389 ng/ml
Zolpidem	4.831	334934	∞	33.2	∞	714907	25.2570 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results   D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin
Calibration Last Update   11/18/2020 12:49:42 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-E12	**Comment**	
Injection Volume	2		
Acq. Date-Time	11/16/2020 11:01:21 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	3.132	4694	21682.39	70.2	4030.70	9911	4.9426 ng/ml
7-aminoclonazepam	4.270	90750	361.34	85.9	∞	55763	50.2019 ng/ml
a-hydroxyalprazolam	5.695	64518	872.81	67.6	545.57	10243	53.9552 ng/ml
alpha-PHP	4.929	131867	11994.67	286.9	∞	466628	51.2320 ng/ml
alpha-PVP	4.369	563144	718.37	48.1	973.50	466628	50.5685 ng/ml
Alprazolam	5.778	173408	2010.78	108.6	580.00	66591	45.7107 ng/ml
Amphetamine	3.071	687122	22913.27	45.6	7337.41	40505	55.0062 ng/ml
Benzoylecgonine	3.898	13561	7531.29	8.2	186.18	10349	47.5809 ng/ml
Buprenorphine	5.680	8435	2466.72	10.9	3072.38	42943	4.8893 ng/ml
Bupropion	4.787	544150	13536.64	61.1	1195.67	228442	51.1393 ng/ml
Carisoprodol	5.727	62147	644.47	45.6	449.47	64485	50.5457 ng/ml
Citalopram	5.217	297218	8961.34	44.6	2064.68	287569	51.0946 ng/ml
Clonazepam	5.615	352009	20472.04	31.7	340.80	47450	52.6403 ng/ml
Cocaine	4.263	499908	32522.46	48.7	33885.60	580056	50.6470 ng/ml
Codeine	2.577	35360	2614.15	118.2	5122.42	26046	52.3821 ng/ml
Cyclobenzaprine	5.612	155394	490.50	11.6	1009.07	115969	47.5919 ng/ml
Dextromethorphan	5.260	142191	6124.28	81.9	25781.73	133327	50.5404 ng/ml
Dextrorphan	4.117	58792	149191.98	228.9	8521.78	258986	46.8492 ng/ml
Diazepam	5.963	146967	250.03	90.1	1030.94	154048	51.7706 ng/ml
Dihydrocodeine	2.555	106457	2348.06	58.2	2423.14	93980	54.8591 ng/ml
Diphenhydramine	5.287	469970	27037.40	29.3	24555.62	1226531	52.0698 ng/ml
Doxylamine	4.535	759609	218220.97	98.7	∞	506373	52.5941 ng/ml
EDDP	5.259	209531	441.49	49.4	2928.98	313476	49.0521 ng/ml
Fentanyl	5.087	12878	625.25	57.2	27558.01	132557	4.6854 ng/ml
Fluoxetine	5.703	156957	1993.30	8.5	∞	138991	50.9704 ng/ml
Hydrocodone	3.020	93063	406.59	31.1	185.61	128669	53.4870 ng/ml
Hydromorphone	1.601	66940	857.37	75.1	481.50	39242	50.1501 ng/ml
Ketamine	4.043	396444	21435.42	42.0	348.47	311042	54.2780 ng/ml
Lamotrigine	4.280	22319	8010.70	86.7	24231.33	311042	54.3312 ng/ml
Lorazepam	5.749	375505	1063.13	49.7	3548.37	47450	52.3481 ng/ml
MDA	3.204	421091	15723.57	11.8	2995.21	72712	56.1394 ng/ml
MDMA	3.298	437774	∞	35.2	7641.26	53544	52.6876 ng/ml
Meprobamate	4.930	17013	208.00	25.4	813.90	22780	52.6919 ng/ml

AM #28 Multi-Drug Quant. Results

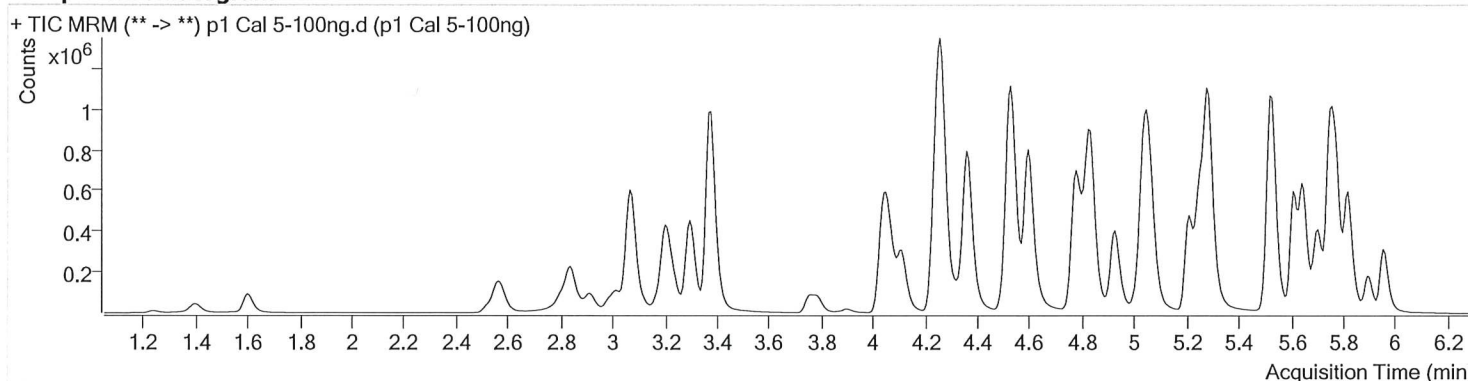| Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.650	340134	4327.84	45.6	26083.24	238636	50.6332 ng/ml
Methamphetamine	3.239	110431	2051.80	42.6	1201.21	193852	53.1475 ng/ml
Metoprolol	4.332	50345	86023.92	93.8	1268.66	649782	53.7984 ng/ml
Mirtazapine	4.602	659571	377081.53	54.0	8994.16	466628	48.2541 ng/ml
Mitragynine	5.208	49916	151023.50	39.3	61611.06	238636	52.9378 ng/ml
Morphine	1.240	9708	241.47	25.3	55.40	3746	50.9773 ng/ml
Norbuprenorphine	4.991	364	431.10	56.2	1236.24	2724	5.3213 ng/ml
Nordiazepam	5.903	106630	786.11	59.5	4299.96	60578	53.0074 ng/ml
Norfentanyl	4.085	81087	56387.08	35.1	1172.78	589651	4.7968 ng/ml
Norhydrocodone	3.068	2667	60.01	43.8	75.93	8316	46.1138 ng/ml
Noroxycodone	2.911	93138	750.26	43.8	396.39	39925	53.0753 ng/ml
O-desmethyl-tramadol	3.377	792436	46025.21	6.2	337.79	894815	51.3191 ng/ml
Oxazepam	5.753	198678	9005.89	81.3	∞	298932	52.4275 ng/ml
Oxycodone	2.836	283808	4803.42	27.7	3853.41	190214	53.5843 ng/ml
Oxymorphone	1.396	45968	3013.53	43.7	268.37	24367	51.4221 ng/ml
Phentermine	3.790	92186	960.83	1.4	53.08	248170	55.1561 ng/ml
Promethazine	5.529	589929	2330.74	31.2	569.05	518883	49.6338 ng/ml
Quetiapine	5.512	269308	13011.02	58.2	13405.55	60475	53.8479 ng/ml
Sertraline	5.772	110755	∞	93.1	576.57	91169	50.3276 ng/ml
Temazepam	5.820	310457	14008.55	34.1	1837.37	420365	51.5435 ng/ml
Tramadol	4.252	741090	109306.32	3.5	305.61	649782	54.0076 ng/ml
Trazodone	5.059	360549	∞	76.3	329020.74	296717	53.6655 ng/ml
Venlafaxine	5.041	465442	19862.11	35.7	6320.95	638625	50.7389 ng/ml
Zolpidem	4.838	699882	58477.35	32.9	∞	723131	52.5494 ng/ml

AM #28 Multi-Drug Quant. Results

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Batch results   D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin
Calibration Last Update   11/18/2020 12:49:42 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-D12	**Comment**	
Injection Volume	2		
Acq. Date-Time	11/16/2020 11:11:58 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	3.132	9403	∞	72.2	29404.25	9858	10.0396 ng/ml
7-aminoclonazepam	4.271	158392	261.91	89.3	8271.04	48936	99.4974 ng/ml
a-hydroxyalprazolam	5.695	119192	805.83	69.3	530.41	9983	102.6626 ng/ml
alpha-PHP	4.929	252475	6715.27	286.9	252928.64	464629	98.6989 ng/ml
alpha-PVP	4.369	1082330	25967.71	48.3	2076.80	464629	97.5917 ng/ml
Alprazolam	5.778	330786	∞	105.2	1297.82	60549	93.9035 ng/ml
Amphetamine	3.071	1172204	∞	46.3	16362.57	36417	105.3847 ng/ml
Benzoylecgonine	3.898	27775	2624.39	7.8	∞	10479	96.2045 ng/ml
Buprenorphine	5.680	14965	∞	12.5	6935.70	41197	8.9791 ng/ml
Bupropion	4.780	1053373	69286.94	60.6	13338.96	221676	102.3489 ng/ml
Carisoprodol	5.727	116892	8678.52	45.3	265.64	60916	100.5734 ng/ml
Citalopram	5.210	558158	982.38	45.2	∞	273728	100.9809 ng/ml
Clonazepam	5.608	643318	43111.51	31.4	19770.04	44042	104.2373 ng/ml
Cocaine	4.263	938116	272321.62	48.1	∞	550263	100.3107 ng/ml
Codeine	2.577	69592	456.55	112.0	17632.46	25164	107.5079 ng/ml
Cyclobenzaprine	5.612	284627	18579.75	11.3	654.65	105180	95.2482 ng/ml
Dextromethorphan	5.260	262264	15123.68	80.9	∞	124137	99.9336 ng/ml
Dextrorphan	4.111	117277	937.52	222.7	17506.82	258052	92.0171 ng/ml
Diazepam	5.956	286398	∞	88.4	7648.58	151042	103.1908 ng/ml
Dihydrocodeine	2.555	202534	742.01	59.4	6623.43	96320	102.3193 ng/ml
Diphenhydramine	5.287	883054	1503.02	29.5	9334.55	1186397	101.6952 ng/ml
Doxylamine	4.528	1485352	∞	99.3	39869.59	511249	102.2321 ng/ml
EDDP	5.252	422561	32363.79	49.9	11225.61	314822	98.3310 ng/ml
Fentanyl	5.080	25702	1588.13	54.7	∞	127606	9.7037 ng/ml
Fluoxetine	5.703	290830	2658.77	8.6	∞	129375	101.4949 ng/ml
Hydrocodone	3.020	181819	244.03	31.1	∞	130946	103.3267 ng/ml
Hydromorphone	1.608	135605	∞	72.4	887.76	38971	102.4703 ng/ml
Ketamine	4.043	752224	52161.50	43.0	618.55	311306	103.7323 ng/ml
Lamotrigine	4.273	40829	5597.24	87.7	∞	311306	100.5107 ng/ml
Lorazepam	5.749	636225	4138.85	50.6	∞	44042	96.4191 ng/ml
MDA	3.204	781562	37512.10	11.5	10960.02	70326	108.7578 ng/ml
MDMA	3.298	853919	91523.19	35.1	30627.78	53915	102.5269 ng/ml
Meprobamate	4.923	31023	2010.72	23.1	397.53	21397	103.0423 ng/ml

AM #28 Multi-Drug Quant. Results

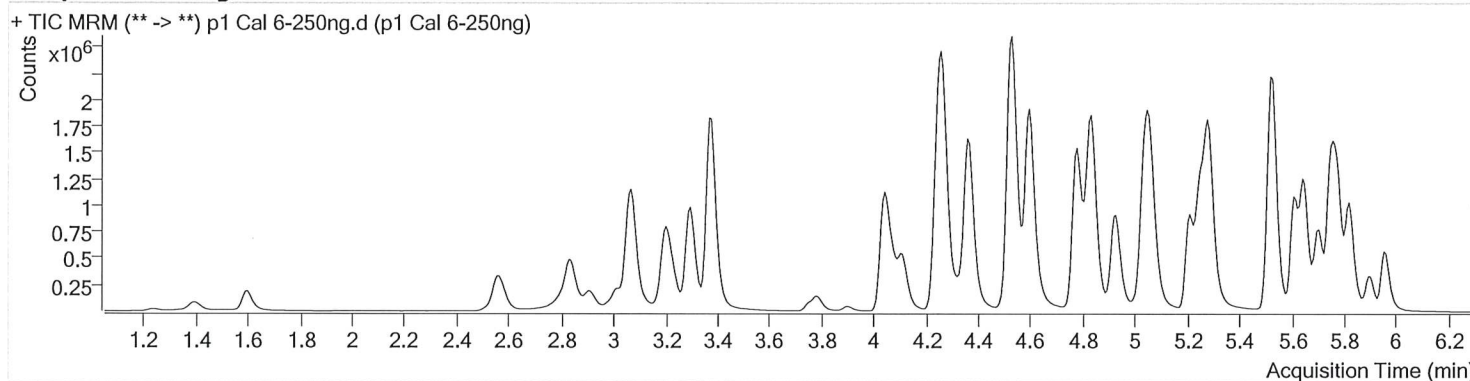| Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.650	650190	70821.32	45.8	27656.99	231375	99.8071 ng/ml
Methamphetamine	3.239	160701	866.40	42.8	372.16	148536	101.7045 ng/ml
Metoprolol	4.325	98282	274670.16	92.1	∞	645058	106.7069 ng/ml
Mirtazapine	4.596	1296527	156031.17	52.9	11389.30	464629	94.8732 ng/ml
Mitragynine	5.208	94725	97818.31	38.7	102010.22	231375	104.2634 ng/ml
Morphine	1.246	19068	585.29	27.0	1242.57	3627	103.6632 ng/ml
Norbuprenorphine	4.984	670	1676.31	54.1	48.72	2909	9.1607 ng/ml
Nordiazepam	5.903	202280	7154.03	59.5	47109.84	60205	101.2359 ng/ml
Norfentanyl	4.085	162459	1366.40	35.4	320.97	583833	9.6692 ng/ml
Norhydrocodone	3.068	5320	66.93	41.2	50.26	8305	90.0533 ng/ml
Noroxycodone	2.911	175612	419.28	45.0	874.96	40073	99.9493 ng/ml
O-desmethyl-tramadol	3.377	1566841	3191.36	6.3	816.68	903720	100.7036 ng/ml
Oxazepam	5.753	352168	15411.92	82.0	∞	268117	104.0557 ng/ml
Oxycodone	2.836	555771	3085.68	27.8	3128.73	193678	103.5328 ng/ml
Oxymorphone	1.396	89107	342.74	44.4	∞	23220	105.2524 ng/ml
Phentermine	3.790	157111	1346.88	1.5	126.26	219716	106.9725 ng/ml
Promethazine	5.529	1082519	3370.85	31.5	24283.79	489411	96.1651 ng/ml
Quetiapine	5.512	517696	∞	58.9	39166.22	60810	103.7407 ng/ml
Sertraline	5.772	192420	13835.30	90.7	1024.40	79034	101.0842 ng/ml
Temazepam	5.819	601138	22023.52	34.1	9281.74	415902	101.1997 ng/ml
Tramadol	4.245	1400483	75828.17	3.6	555.88	645058	103.6627 ng/ml
Trazodone	5.059	695370	148015.82	75.5	7681.56	295877	104.5468 ng/ml
Venlafaxine	5.034	903276	1135.77	35.1	965.83	625206	100.6642 ng/ml
Zolpidem	4.831	1388589	451305.64	32.9	∞	724323	104.4305 ng/ml

AM #28 Multi-Drug Quant. Results

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Batch results D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin
Calibration Last Update 11/18/2020 12:49:42 PM

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-C12	**Comment**	
Injection Volume	2		
Acq. Date-Time	11/16/2020 11:22:34 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	3.132	23769	1034.61	71.1	2495.28	10016	25.1043 ng/ml
7-aminoclonazepam	4.270	303642	8833.90	87.0	364.35	36807	253.0510 ng/ml
a-hydroxyalprazolam	5.695	251194	579.62	66.3	1198.60	8580	252.3506 ng/ml
alpha-PHP	4.929	590081	29774.35	288.5	11799.05	435238	246.5592 ng/ml
alpha-PVP	4.369	2592268	75654.90	48.0	36384.86	435238	249.4974 ng/ml
Alprazolam	5.778	692362	8951.80	103.0	∞	46669	251.8877 ng/ml
Amphetamine	3.071	2342930	29670.62	46.9	27371.25	31531	244.7506 ng/ml
Benzoylecgonine	3.898	72889	∞	7.3	503.42	10376	254.9168 ng/ml
Buprenorphine	5.680	37575	24368.76	11.1	12711.98	35224	26.2237 ng/ml
Bupropion	4.780	2482530	147874.71	60.2	1141.89	213800	250.5754 ng/ml
Carisoprodol	5.727	236676	15944.27	44.2	1488.17	50517	245.4559 ng/ml
Citalopram	5.210	1263709	1438.74	44.2	679.91	249488	251.1102 ng/ml
Clonazepam	5.608	1265238	32265.68	31.6	∞	36948	245.1813 ng/ml
Cocaine	4.263	2079571	179509.47	48.6	62242.53	491921	248.9205 ng/ml
Codeine	2.577	150609	∞	115.6	12902.89	23401	251.2158 ng/ml
Cyclobenzaprine	5.612	665275	808.96	11.6	∞	93087	250.1602 ng/ml
Dextromethorphan	5.260	576729	25039.11	81.1	190.87	108466	251.2222 ng/ml
Dextrorphan	4.111	275157	319245.99	223.4	1824.21	237714	231.6221 ng/ml
Diazepam	5.956	627187	4439.85	88.6	6571.42	133610	255.9067 ng/ml
Dihydrocodeine	2.555	471279	888.86	59.0	760.24	95032	242.0843 ng/ml
Diphenhydramine	5.287	2021087	969.64	30.2	19108.68	1090794	254.0214 ng/ml
Doxylamine	4.528	3665497	84309.14	99.6	∞	503129	256.9515 ng/ml
EDDP	5.252	1068846	414.07	47.7	∞	309766	252.5191 ng/ml
Fentanyl	5.080	63737	9972.00	52.3	275.92	116958	26.2381 ng/ml
Fluoxetine	5.703	654052	∞	8.8	1465.97	120110	245.9067 ng/ml
Hydrocodone	3.013	415620	∞	32.1	141.07	128720	241.2070 ng/ml
Hydromorphone	1.601	305260	589.36	73.4	1786.79	35750	251.6967 ng/ml
Ketamine	4.043	1774117	88289.88	43.1	2301.96	304004	251.8414 ng/ml
Lamotrigine	4.273	81231	6382.58	84.4	3334.77	304004	206.2855 ng/ml
Lorazepam	5.743	1023719	2486.44	50.4	3308.34	36948	185.8850 ng/ml
MDA	3.204	1610074	1367.51	10.4	5569.36	61595	257.3164 ng/ml
MDMA	3.298	1983461	226923.79	33.7	70860.23	50509	254.9375 ng/ml
Meprobamate	4.923	61153	1409.55	22.7	940.81	19263	226.5762 ng/ml

AM #28 Multi-Drug Quant. Results

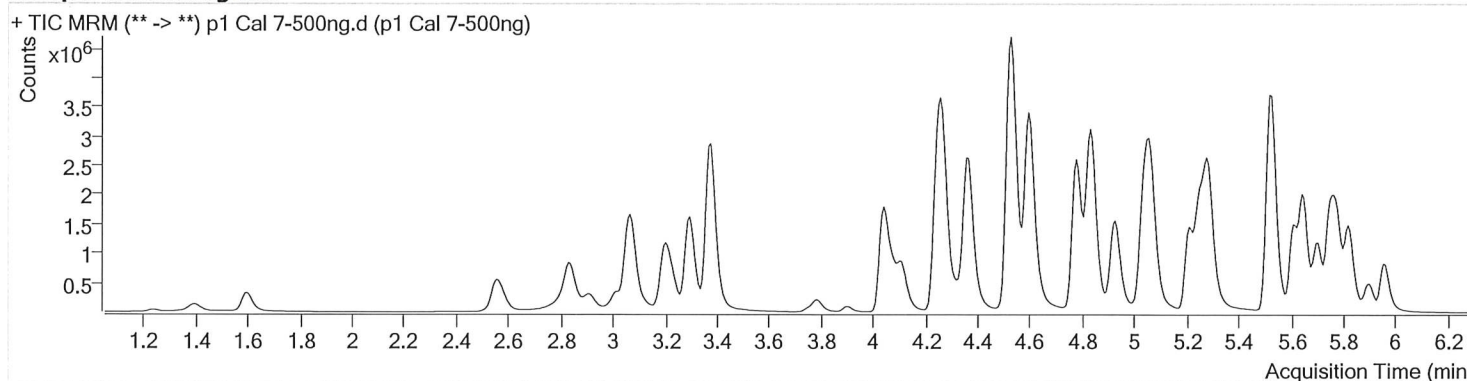| Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.650	1531933	1238.24	45.9	1119.62	215941	251.9345 ng/ml
Methamphetamine	3.239	296795	4281.26	43.3	642.68	113047	248.0223 ng/ml
Metoprolol	4.325	215077	556704.68	95.8	∞	584065	259.2377 ng/ml
Mirtazapine	4.596	3174846	222000.47	52.3	315068.51	435238	247.3638 ng/ml
Mitragynine	5.208	206111	8290.55	40.9	6615.42	215941	243.9855 ng/ml
Morphine	1.240	44985	946.99	25.3	288.48	3613	245.8909 ng/ml
Norbuprenorphine	4.984	1674	22674.97	62.9	4059.98	2613	25.4423 ng/ml
Nordiazepam	5.903	426805	2328.04	60.0	6940.67	50669	253.9015 ng/ml
Norfentanyl	4.085	394089	577941.68	35.1	6737.40	546513	24.9992 ng/ml
Norhydrocodone	3.061	13383	183.94	43.0	128.35	6964	266.0560 ng/ml
Noroxycodone	2.911	387713	5750.46	44.6	257.42	34346	257.9072 ng/ml
O-desmethyl-tramadol	3.377	3723547	∞	6.2	22731.02	861784	251.3275 ng/ml
Oxazepam	5.753	628952	36048.88	80.0	10916.43	197758	252.6023 ng/ml
Oxycodone	2.830	1328210	2252.08	27.9	∞	191097	251.5055 ng/ml
Oxymorphone	1.396	205202	3338.37	43.2	∞	20904	270.2262 ng/ml
Phentermine	3.790	326917	2082.93	1.4	1202.32	193175	254.3486 ng/ml
Promethazine	5.529	2665110	69847.50	30.8	5463.42	467765	247.0469 ng/ml
Quetiapine	5.512	1200413	105025.32	59.2	∞	59696	246.2349 ng/ml
Sertraline	5.772	405960	10616.16	91.5	16034.96	67285	250.8305 ng/ml
Temazepam	5.819	1339425	32066.23	33.8	3041.97	371756	252.7715 ng/ml
Tramadol	4.245	3116590	107887.85	3.6	5781.48	584065	256.1555 ng/ml
Trazodone	5.059	1621764	112878.95	75.0	5844.41	296120	244.6977 ng/ml
Venlafaxine	5.034	2125083	7885.11	35.1	794.00	587244	252.2623 ng/ml
Zolpidem	4.831	3310186	∞	32.5	241035.72	699276	258.3765 ng/ml

AM #28 Multi-Drug Quant. Results

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Batch results   D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin
Calibration Last Update   11/18/2020 12:49:42 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-B12	**Comment**	
Injection Volume	2		
Acq. Date-Time	11/16/2020 11:33:10 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	3.132	47506	31359.79	71.3	3696.73	10135	49.6656 ng/ml
7-aminoclonazepam	4.277	396748	62240.40	91.2	8597.21	24517	496.0471 ng/ml
a-hydroxyalprazolam	5.695	366064	∞	67.4	326.86	6710	470.6214 ng/ml
alpha-PHP	4.929	1051681	17976.10	288.2	84887.96	381493	501.5514 ng/ml
alpha-PVP	4.369	4564782	2607.45	48.2	5851.96	381493	501.2235 ng/ml
Alprazolam	5.778	1103041	3572.46	104.4	841.47	37269	500.7096 ng/ml
Amphetamine	3.071	3523517	148503.11	46.7	43976.57	26014	447.0655 ng/ml
Benzoylecgonine	3.898	163261	1090.50	7.4	∞	10569	560.4742 ng/ml
Buprenorphine	5.680	68708	∞	11.9	13158.11	28364	59.4542 ng/ml
Bupropion	4.780	4316254	74777.00	59.3	43795.67	188799	493.6779 ng/ml
Carisoprodol	5.727	351865	24783.99	44.0	2899.04	36847	500.2228 ng/ml
Citalopram	5.210	2149255	398.66	44.5	1080.74	212879	500.6996 ng/ml
Clonazepam	5.615	1708612	3148.54	31.4	69256.86	27369	447.4850 ng/ml
Cocaine	4.263	3510091	87528.77	48.0	74169.39	414034	499.3136 ng/ml
Codeine	2.577	264599	17638.11	110.2	13616.48	21297	485.6676 ng/ml
Cyclobenzaprine	5.612	1168226	1487.23	11.4	2201.86	77579	526.1550 ng/ml
Dextromethorphan	5.260	923577	40220.36	80.7	454.57	87892	496.2952 ng/ml
Dextrorphan	4.111	515579	2098.01	217.2	157510.15	210934	487.1366 ng/ml
Diazepam	5.963	1015043	8919.15	89.9	10917.03	114699	482.7089 ng/ml
Dihydrocodeine	2.549	836780	∞	59.9	50635.16	93568	437.0124 ng/ml
Diphenhydramine	5.287	3426686	90907.20	30.8	2743.62	956195	491.8535 ng/ml
Doxylamine	4.528	6695988	932552.80	100.6	266295.22	489779	482.5295 ng/ml
EDDP	5.252	2010208	899.63	47.4	817.20	289615	507.7939 ng/ml
Fentanyl	5.080	122055	2763.01	54.8	113274.48	104723	56.1048 ng/ml
Fluoxetine	5.703	1114361	38997.60	8.8	7346.15	100515	500.6798 ng/ml
Hydrocodone	3.013	732840	∞	31.7	285.17	123085	445.3699 ng/ml
Hydromorphone	1.601	561196	1118.58	72.4	∞	34512	479.4701 ng/ml
Ketamine	4.043	3158504	620132.52	43.5	2806.84	286757	476.1493 ng/ml
Lamotrigine	4.280	116003	∞	85.5	35129.06	286757	313.0546 ng/ml
Lorazepam	5.743	1166570	∞	50.4	3115.37	27369	286.5236 ng/ml
MDA	3.204	2461789	56668.45	10.3	17010.67	54984	441.5343 ng/ml
MDMA	3.298	3468463	535327.86	33.4	122779.62	45387	496.5802 ng/ml
Meprobamate	4.930	85998	8415.09	22.0	281.37	16786	366.1321 ng/ml

AM #28 Multi-Drug Quant. Results

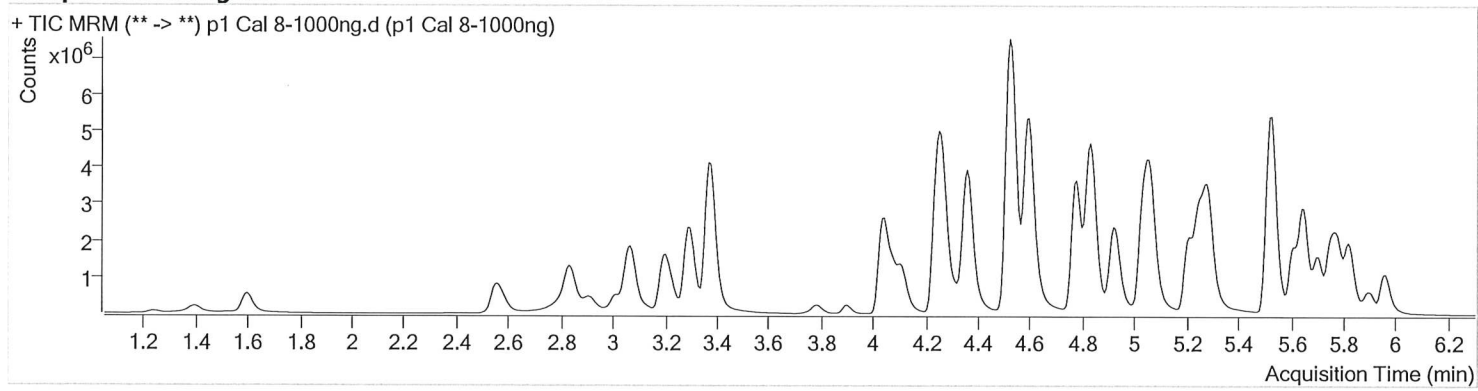| Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.650	2734318	55147.03	46.2	34557.53	195581	496.4657 ng/ml
Methamphetamine	3.239	482162	438.37	43.9	2865.84	93609	487.4152 ng/ml
Metoprolol	4.325	358792	7630.55	95.5	7826.97	530871	476.5837 ng/ml
Mirtazapine	4.596	5830258	170733.94	52.3	296260.13	381493	517.8162 ng/ml
Mitragynine	5.208	373171	27775.97	39.2	505930.38	195581	488.4103 ng/ml
Morphine	1.240	85262	1568.53	25.1	1426.39	3396	496.1546 ng/ml
Norbuprenorphine	4.984	3274	16001.80	59.0	4187.76	2515	51.6801 ng/ml
Nordiazepam	5.903	669292	985.72	61.0	1362.39	40841	494.0291 ng/ml
Norfentanyl	4.085	748258	3861.33	35.4	2894.23	502941	51.5398 ng/ml
Norhydrocodone	3.061	29343	180.27	42.3	107.02	6320	639.9114 ng/ml
Noroxycodone	2.911	650887	2585.53	44.5	∞	30366	489.9633 ng/ml
O-desmethyl-tramadol	3.377	6720638	256070.80	6.3	58651.03	787724	496.5068 ng/ml
Oxazepam	5.753	732078	32308.51	84.2	8065.70	131071	443.9579 ng/ml
Oxycodone	2.830	2477901	21373.54	27.7	1783.53	184822	485.6166 ng/ml
Oxymorphone	1.396	358781	∞	43.4	683.44	20475	482.8588 ng/ml
Phentermine	3.790	527270	7932.54	1.3	837.86	170837	464.5787 ng/ml
Promethazine	5.529	4873477	3470.33	30.3	2372.79	427950	493.3652 ng/ml
Quetiapine	5.512	2131743	148862.65	59.0	148364.60	58166	449.4913 ng/ml
Sertraline	5.765	633725	31211.38	90.5	23969.22	51927	507.5955 ng/ml
Temazepam	5.819	2204251	143605.82	33.5	21064.10	312824	494.6689 ng/ml
Tramadol	4.245	5190744	129579.12	3.6	5689.59	530871	470.1684 ng/ml
Trazodone	5.059	2841833	240221.62	76.9	391754.96	287114	442.8852 ng/ml
Venlafaxine	5.034	3709563	68670.70	35.2	7918.96	525378	492.2850 ng/ml
Zolpidem	4.831	5997978	149694.74	32.2	139540.89	673725	486.2346 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results   D:\MassHunter\Data\2020\AM 27-28\111620 AM 27 28 SJ\QuantResults\AM 28.batch.bin
Calibration Last Update   11/18/2020 12:49:42 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-A12	**Comment**	
Injection Volume	2		
Acq. Date-Time	11/16/2020 11:43:46 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	3.126	92992	1353.66	71.7	20409.17	9881	99.8063 ng/ml
7-aminoclonazepam	4.277	472148	∞	87.2	14715.53	13832	1045.9688 ng/ml
a-hydroxyalprazolam	5.695	482154	188.92	67.7	357.35	4619	900.9007 ng/ml
alpha-PHP	4.922	1677847	∞	294.4	129420.83	301127	1013.9313 ng/ml
alpha-PVP	4.362	7199713	273837.68	48.2	66157.24	301127	1001.5094 ng/ml
Alprazolam	5.778	1608530	∞	103.3	2890.68	26921	1008.9849 ng/ml
Amphetamine	3.071	3990395	∞	46.5	41560.91	14571	905.0737 ng/ml
Benzoylecgonine	3.898	413812	932474.57	7.4	260.56	11098	1352.8546 ng/ml
Buprenorphine	5.680	114730	∞	11.2	24127.52	19074	147.5230 ng/ml
Bupropion	4.780	6229186	83556.14	59.5	27365.21	140282	959.1985 ng/ml
Carisoprodol	5.727	448827	44209.90	45.1	14623.89	24039	977.9630 ng/ml
Citalopram	5.210	3180167	15462.74	44.4	549.05	158275	996.6366 ng/ml
Clonazepam	5.615	1910263	88544.68	32.0	4611.61	18582	737.2864 ng/ml
Cocaine	4.263	5370793	179662.14	47.7	79588.37	315980	1001.2061 ng/ml
Codeine	2.577	398051	∞	114.1	19593.06	17797	874.9250 ng/ml
Cyclobenzaprine	5.612	1805094	99831.10	11.4	∞	55215	1141.2842 ng/ml
Dextromethorphan	5.253	1312812	34079.39	81.5	1657.98	59673	1038.8476 ng/ml
Dextrorphan	4.111	913526	60344.15	216.2	46369.70	174258	1042.7661 ng/ml
Diazepam	5.963	1496571	2980.25	88.8	5616.81	87741	930.6527 ng/ml
Dihydrocodeine	2.549	1335758	2688.41	59.8	382.45	90870	718.6902 ng/ml
Diphenhydramine	5.287	5277292	2953.65	31.5	2946.68	724435	1000.4160 ng/ml
Doxylamine	4.521	11757341	∞	95.6	288190.40	445331	932.1942 ng/ml
EDDP	5.252	3487278	3252.41	46.8	2637.41	245161	1040.4673 ng/ml
Fentanyl	5.080	219632	14599.83	55.9	∞	83289	126.9255 ng/ml
Fluoxetine	5.703	1536336	36599.75	8.6	9486.62	69716	995.2433 ng/ml
Hydrocodone	3.013	1162486	459.74	35.2	∞	114243	761.6578 ng/ml
Hydromorphone	1.601	983814	∞	73.9	∞	29325	989.4183 ng/ml
Ketamine	4.037	5157784	68526.81	43.0	5749.95	250821	889.7482 ng/ml
Lamotrigine	4.280	145207	19071.16	85.6	37521.35	250821	448.6365 ng/ml
Lorazepam	5.743	1183628	∞	50.7	4649.42	18582	428.7100 ng/ml
MDA	3.204	3721774	101059.60	10.1	5948.52	45458	808.3276 ng/ml
MDMA	3.298	5371219	153717.57	32.9	67165.97	38046	917.8121 ng/ml
Meprobamate	4.930	108705	9078.87	22.9	1308.74	13717	566.7771 ng/ml

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.650	4443908	34395.45	45.6	659.96	156418	1008.8711 ng/ml
Methamphetamine	3.232	341489	3279.23	43.7	∞	35563	909.4071 ng/ml
Metoprolol	4.325	519492	115264.83	97.5	∞	454256	807.0765 ng/ml
Mirtazapine	4.596	9854810	129157.31	52.3	∞	301127	1108.3930 ng/ml
Mitragynine	5.208	566930	17795.97	39.6	9137.44	156418	928.3937 ng/ml
Morphine	1.240	151791	3333.54	24.9	321.75	3105	966.3538 ng/ml
Norbuprenorphine	4.984	6081	26906.11	58.2	12037.69	2451	98.4355 ng/ml
Nordiazepam	5.903	928443	13404.32	60.7	1026.66	30367	921.7399 ng/ml
Norfentanyl	4.079	1310449	1608.25	35.4	1353.30	422808	107.3315 ng/ml
Norhydrocodone	3.061	72061	566.08	41.7	483.99	5581	1775.9798 ng/ml
Noroxycodone	2.911	999665	1403.20	44.9	∞	24360	938.3082 ng/ml
O-desmethyl-tramadol	3.377	10942255	2089.94	6.5	26333.31	653231	975.0642 ng/ml
Oxazepam	5.753	756014	9145.83	79.9	1647.73	71693	838.5987 ng/ml
Oxycodone	2.830	4280075	∞	27.9	5633.79	173479	894.0853 ng/ml
Oxymorphone	1.396	590755	1610.38	42.8	906.55	18708	870.6631 ng/ml
Phentermine	3.790	654079	∞	1.3	966.32	117696	837.2111 ng/ml
Promethazine	5.529	7723213	148726.53	29.8	20277.01	329851	1013.9417 ng/ml
Quetiapine	5.512	3359919	207144.69	58.5	∞	54088	762.4895 ng/ml
Sertraline	5.765	795957	82816.77	89.9	54315.68	33421	990.7846 ng/ml
Temazepam	5.826	3225480	106365.82	33.5	5059.16	233973	968.1166 ng/ml
Tramadol	4.238	8305064	285469.87	3.5	9770.07	454256	879.9559 ng/ml
Trazodone	5.059	4440974	147318.97	76.1	109809.32	267183	744.2767 ng/ml
Venlafaxine	5.034	6081608	5435.42	34.6	6076.40	422122	1004.5794 ng/ml
Zolpidem	4.831	9952515	∞	32.1	∞	607541	895.0016 ng/ml