Worklist: 4527

LAB CASE	ITEM	ITEM TYPE	DESCRIPTION	
P2020-2795	1.12	CBUK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
P2020-2795	1.2	CBUK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-2795	1.4	CBUK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-2795	1.5	CBUK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-2795	1.6	CBUK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-2795	1.7	CBUK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
P2020-2795	1.8	CBUK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
P2020-2795	1.9	CBUK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	

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

Extraction Date: 09/17/2020   Analyst: Sophia Jackson

Plate lot#: IDP-107-2-200513   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: Hemostat 445283-4   **Blank Urine Lot**: POCO31319

Column: Agilent 120 EC-C18 (2.1x 100-2.7um)   **LCMS-QQQ ID**: 069901

Pre-Analytic:

☒ 1. Check levels of mobile phases and needle wash refill as needed. Ensure waste is not full.

☒ 2. Ensure correct column is installed and begin mobile phase flow allow to equilibrate ~ 30 minutes.

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

µL 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: alpha-PHP 10-1000, Amphetamine 5-250, Lamotrigine 5-250, Lorazepam 5-100, Meprobamate 5-250, Mirtazapine 5- 250, Norbuprenorphine 1-100

Negative blood was reinjected due to carryover

AM #28 Multi-Drug Quant. Results

SJ

Batch results   D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin
Calibration Last Update   9/21/2020 10:24:20 AM

Instrument	Falco	**Data File**	p1 Negative Blood.d
Type	Sample	**Sample**	p1 Negative Blood
Acq. Method	MDQ P1 060520.m	**Operator**	Sophia Jackson
Sample Position	P5-G2	**Comment**	
Injection Volume	2		
Acq. Date-Time	9/18/2020 1:41:41 AM		
Sample Info.			

Sample Chromatogram

+ TIC MRM (** -> **) p1 Negative Blood.d (p1 Negative Blood)
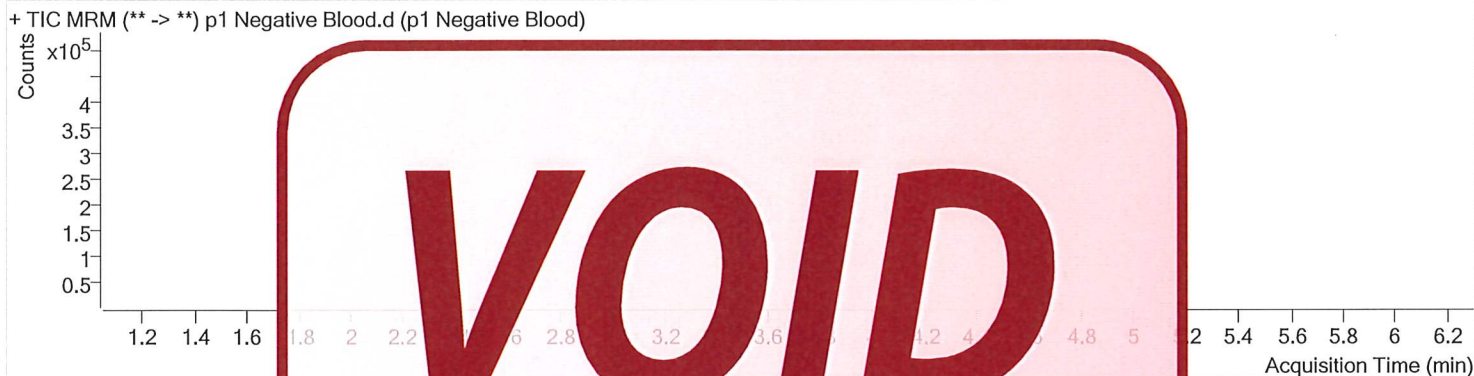
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Cyclobenzaprine	5.298	13262	1008.12	11.6 High	18.20	262997	2.1206 ng/ml*
Fentanyl	5.04	1184	36.24	60.3	19.77	271669	0.1677 ng/ml*
Fluoxetine	5.690	22431	∞	8.3	160.98	270622	3.4098 ng/ml*
Mitragynine	5.181	2443	141.38	36.9	∞	659281	0.8440 ng/ml*
Promethazine	5.508	41121	378.45	29.9	235.93	661056	3.4063 ng/ml*
Sertraline	5.751	14085	63.78	93.9	75.93	101469	6.5271 ng/ml*

* Carryover

AM #28 Multi-Drug Quant. Results

Batch results   D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin
Calibration Last Update   9/21/2020 10:24:20 AM

Instrument	Falco	**Data File**	p1 Negative BloodR.d
Type	Sample	**Sample**	p1 Negative BloodR
Acq. Method	MDQ P1 060520.m	**Operator**	Sophia Jackson
Sample Position	P5-G2	**Comment**	
Injection Volume	2		
Acq. Date-Time	9/18/2020 11:35:19 AM		
Sample Info.			

Sample Chromatogram

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

AM #28 Multi-Drug Quant. Results

Batch results   D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin
Calibration Last Update   9/21/2020 10:24:20 AM

Instrument	Falco	**Data File**	p1 Negative Urine.d
Type	Sample	**Sample**	p1 Negative Urine
Acq. Method	MDQ P1 060520.m	**Operator**	Sophia Jackson
Sample Position	P5-F2	**Comment**	
Injection Volume	2		
Acq. Date-Time	9/18/2020 2:24:06 AM		
Sample Info.			

Sample Chromatogram

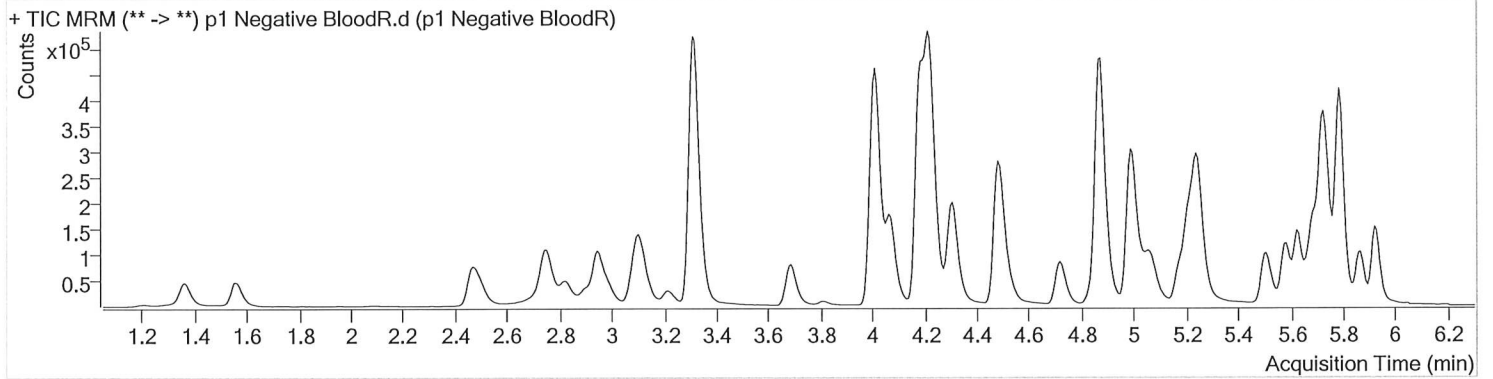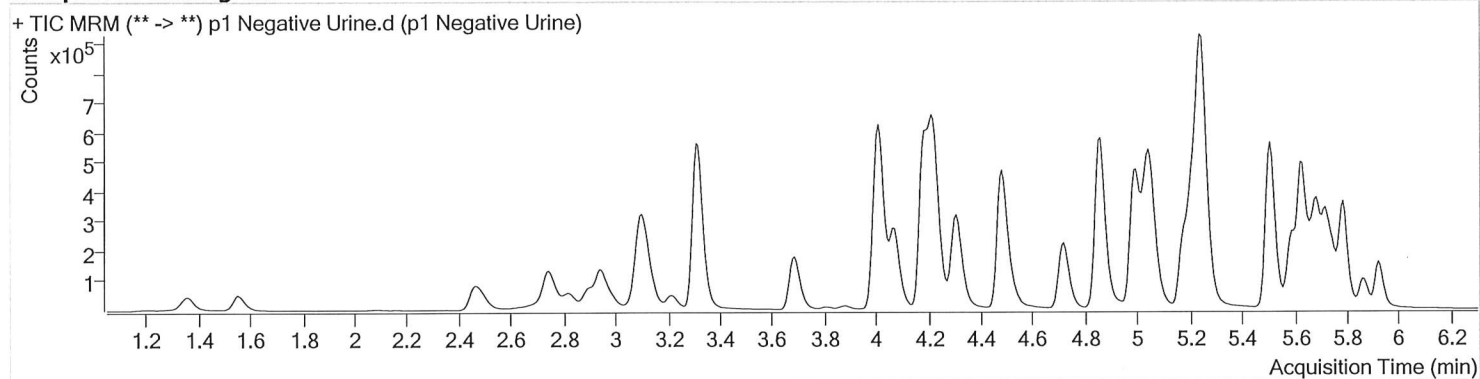+ TIC MRM (** -> **) p1 Negative Urine.d (p1 Negative Urine)

AM #28 Multi-Drug Quant. Results

Batch results   D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin
Calibration Last Update   9/21/2020 10:24:20 AM

Instrument	Falco	**Data File**	p1 QC urine.d
Type	Sample	**Sample**	p1 QC urine
Acq. Method	MDQ P1 060520.m	**Operator**	Sophia Jackson
Sample Position	P5-E2	**Comment**	
Injection Volume	2		
Acq. Date-Time	9/18/2020 2:02:53 AM		
Sample Info.			

Sample Chromatogram

+ TIC MRM (** -> **) p1 QC urine.d (p1 QC urine)
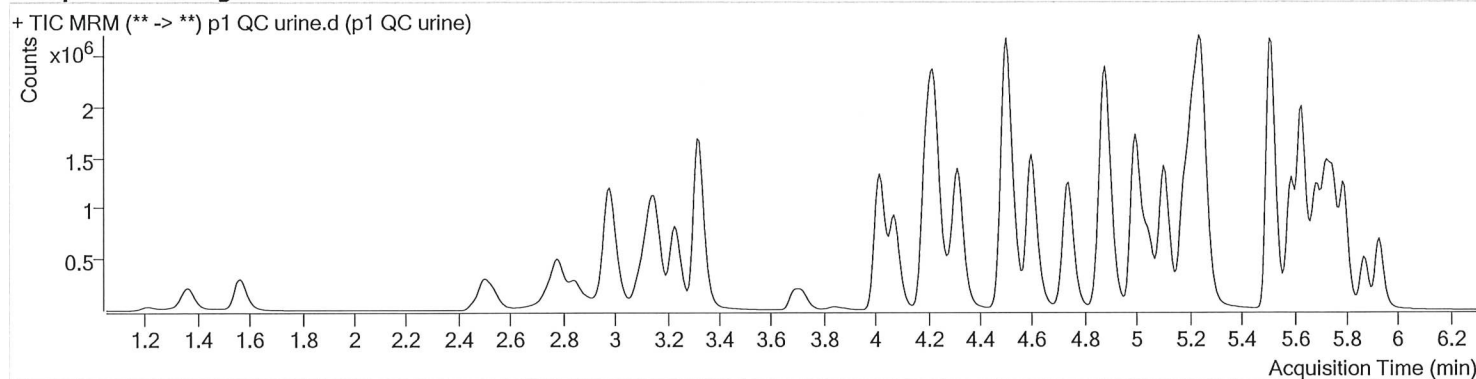
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.092	35125	29651.57	71.8	1234.32	73722	10.2896 ng/ml
7-aminoclonazepam	4.230	571263	2182.59	80.5	685.25	195380	104.8809 ng/ml
a-hydroxyalprazolam	5.668	222803	2087.88	61.3	2064.64	52483	106.4454 ng/ml
alpha-PHP	4.881	469665	4919.81	264.5	17122.60	841695	144.1300 ng/ml
alpha-PVP	4.322	2002859	1631.42	50.1	13258.38	841695	100.7617 ng/ml
Alprazolam	5.751	743160	1939.07	104.4	1371.29	189514	106.0017 ng/ml
Amphetamine	2.983	2126618	8448.89	50.6	19782.96	212401	93.7831 ng/ml
Benzoylecgonine	3.838	51372	954.15	7.9	381.56	19042	104.4283 ng/ml
Buprenorphine	5.694	63807	1825.51	16.3	1987.82	273563	10.7985 ng/ml
Bupropion	4.739	2068494	2342.50	60.4	2621.95	600512	107.5872 ng/ml
Carisoprodol	5.700	398600	11163.10	53.6	757.85	186142	108.6736 ng/ml
Citalopram	5.176	1540037	2688.44	40.8	3520.04	660687	103.8148 ng/ml
Clonazepam	5.581	1013241	11167.95	33.7	23055.61	123527	101.1221 ng/ml
Cocaine	4.223	1797373	52489.34	45.1	26990.47	1200743	105.5078 ng/ml
Codeine	2.536	185934	1762.01	104.0	7474.04	79185	101.8194 ng/ml
Cyclobenzaprine	5.598	1143212	1809.25	9.7	764.65	426278	106.2782 ng/ml
Dextromethorphan	5.219	953911	9360.57	79.6	22444.71	430896	104.4028 ng/ml
Dextrorphan	4.070	537026	102168.87	209.4	3715.86	660477	103.0842 ng/ml
Diazepam	5.929	690318	4065.79	87.7	3654.08	310680	107.2791 ng/ml
Dihydrocodeine	2.502	482496	463.27	65.3	9894.40	251267	110.0384 ng/ml
Diphenhydramine	5.247	2625845	22546.73	33.2	1127.46	2085990	101.9379 ng/ml
Doxylamine	4.500	3788318	167776.72	96.1	135426.22	1456705	106.5489 ng/ml
EDDP	5.218	1407440	1756.04	43.1	894.68	740854	100.9514 ng/ml
Fentanyl	5.047	157816	6946.17	65.8	12526.96	680591	10.6210 ng/ml
Fluoxetine	5.683	1089915	181783.23	8.8	11156.40	425917	107.9575 ng/ml
Hydrocodone	2.973	587024	∞	40.0	341.09	384172	102.4201 ng/ml
Hydromorphone	1.567	534235	147.63	75.9	∞	163845	104.3475 ng/ml
Ketamine	4.017	1446852	180350.21	39.9	12619.53	611761	107.2180 ng/ml
Lamotrigine	4.239	126355	3949.33	81.4	∞	611761	103.5204 ng/ml
Lorazepam	5.722	582528	∞	57.2	∞	123527	74.7122 ng/ml
MDA	3.137	1433293	9536.44	18.0	2549.32	271998	108.6440 ng/ml
MDMA	3.231	1439665	51964.16	60.2	5983.15	122375	106.8442 ng/ml
Meprobamate	4.869	157103	5732.02	25.5	1153.39	88810	100.0515 ng/ml

AM #28 Multi-Drug Quant. Results

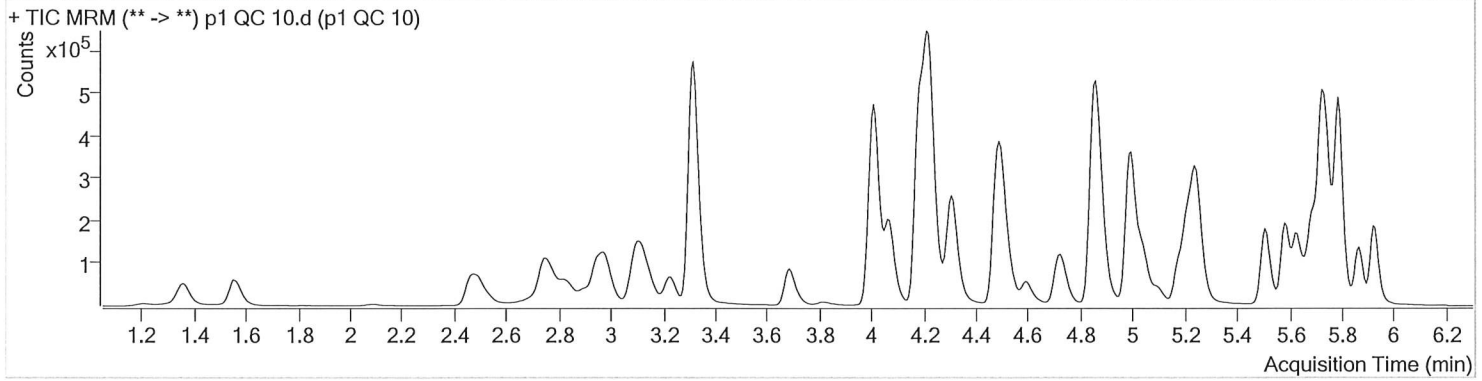| Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.629	2210455	67389.59	53.2	1668.15	996594	105.2283 ng/ml
Methamphetamine	3.158	1498374	1597.94	42.6	2264.99	741694	116.3240 ng/ml
Metoprolol	4.278	303565	18746.98	95.7	∞	1530267	121.3159 ng/ml
Mirtazapine	4.596	2913170	81134.67	49.3	15857.10	996594	75.0195 ng/ml
Mitragynine	5.181	537819	5403.03	38.3	31136.64	996594	141.0172 ng/ml
Morphine	1.213	81243	1174.22	24.2	523.94	8678	101.5581 ng/ml
Norbuprenorphine	4.944	9231	1565.52	83.6	616.76	37442	10.8863 ng/ml
Nordiazepam	5.869	631102	1044.82	58.0	2006.89	190301	109.5900 ng/ml
Norfentanyl	4.037	293195	23933.05	37.2	918.90	1191719	10.0624 ng/ml
Norhydrocodone	3.014	59542	584.20	42.3	126.98	50077	109.5899 ng/ml
Noroxycodone	2.845	533911	4208.78	49.9	18135.87	167378	106.9037 ng/ml
O-desmethyl-tramadol	3.323	3129872	42668.18	6.0	1240.64	1585888	104.9047 ng/ml
Oxazepam	5.726	666332	13066.80	70.5	2023.01	423830	99.0809 ng/ml
Oxycodone	2.776	1300720	3054.04	31.7	2957.35	518912	108.1527 ng/ml
Oxymorphone	1.363	473504	∞	49.3	∞	165890	103.4331 ng/ml
Phentermine	3.723	404631	∞	2.6	308.50	527881	115.8855 ng/ml
Promethazine	5.508	2739784	2588.57	30.2	2085.73	1150767	100.7808 ng/ml
Quetiapine	5.512	1340349	751.55	61.0	136743.62	176533	102.5506 ng/ml
Sertraline	5.751	334442	15223.17	91.3	958.89	132700	98.9630 ng/ml
Temazepam	5.792	1447447	14803.98	29.9	1207.21	694438	101.3269 ng/ml
Tramadol	4.197	3167200	4949.14	3.4	626.50	1530267	107.7920 ng/ml
Trazodone	5.100	2235463	162695.03	78.3	151771.06	915296	102.9050 ng/ml
Venlafaxine	4.994	2701209	3371.37	35.7	1795.92	1334052	107.1699 ng/ml
Zolpidem	4.878	3311041	2242.75	30.5	2464.12	1537696	108.1379 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results　　　　D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin
Calibration Last Update　9/21/2020 10:24:20 AM

Instrument	Falco	**Data File**	p1 QC 10.d
Type	QC	**Sample**	p1 QC 10
Acq. Method	MDQ P1 060520.m	**Operator**	Sophia Jackson
Sample Position	P5-A2	**Comment**	
Injection Volume	2		
Acq. Date-Time	9/18/2020 12:06:16 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	3.092	2863	1483.07	72.2	389.68	59601	1.0307 ng/ml
7-aminoclonazepam	4.230	52135	413.69	78.3	∞	187974	10.2256 ng/ml
a-hydroxyalprazolam	5.674	25208	257.22	65.9	1850.06	59944	10.2391 ng/ml
alpha-PHP	4.881	24982	348.26	266.3	6771.53	526316	6.6575 ng/ml
alpha-PVP	4.315	119729	13944.36	50.2	720.26	526316	10.0387 ng/ml
Alprazolam	5.751	95977	324.38	105.2	1614.00	261524	10.4229 ng/ml
Amphetamine	2.983	100820	1023.71	48.5	814.91	86582	10.3529 ng/ml
Benzoylecgonine	3.838	4510	983.45	7.6	65.46	16776	10.1336 ng/ml
Buprenorphine	5.694	1457	52.03	19.2	139.68	68351	0.8759 ng/ml
Bupropion	4.739	83820	∞	59.6	2069.44	257601	10.1169 ng/ml
Carisoprodol	5.700	46893	∞	53.6	502.85	231491	10.2465 ng/ml
Citalopram	5.176	48754	235.89	42.7	1118.54	218495	10.1851 ng/ml
Clonazepam	5.581	122971	3126.83	32.6	2991.67	139495	10.4825 ng/ml
Cocaine	4.216	142369	11084.96	45.8	429.46	993727	10.2220 ng/ml
Codeine	2.536	15242	595.77	101.6	704.47	69657	9.6911 ng/ml
Cyclobenzaprine	5.598	26146	∞	10.3	66.50	101267	10.3442 ng/ml
Dextromethorphan	5.219	23917	13426.59	83.2	26633.73	112430	10.0775 ng/ml
Dextrorphan	4.070	30115	1161.25	215.3	1074.87	385931	9.9558 ng/ml
Diazepam	5.929	65490	436.51	86.4	676.69	298267	10.4515 ng/ml
Dihydrocodeine	2.502	38018	1842.80	66.7	1719.64	204566	9.9778 ng/ml
Diphenhydramine	5.247	75065	171.58	32.5	1796.04	598559	10.3960 ng/ml
Doxylamine	4.500	235936	4357.05	97.0	7206.98	946464	10.1187 ng/ml
EDDP	5.218	60240	3122.30	42.1	54660.08	315128	10.0180 ng/ml
Fentanyl	5.047	2538	138.86	65.2	3317.50	115387	0.9779 ng/ml
Fluoxetine	5.683	27055	3440.44	9.0	3654.28	103096	10.9904 ng/ml
Hydrocodone	2.980	52306	179.70	37.9	193.72	308639	10.5143 ng/ml
Hydromorphone	1.567	41381	311.86	77.9	160.48	140419	9.3940 ng/ml
Ketamine	4.017	106609	4747.23	39.0	1136.35	450416	10.3942 ng/ml
Lamotrigine	4.232	9623	∞	87.6	790.43	450416	10.4101 ng/ml
Lorazepam	5.722	97116	4146.31	56.5	1204.10	139495	10.3440 ng/ml
MDA	3.137	88957	1359.85	18.0	47.98	166134	10.3779 ng/ml
MDMA	3.231	80878	5399.16	58.7	1672.17	70334	10.2992 ng/ml
Meprobamate	4.862	16124	1041.31	26.1	264.10	90362	9.5929 ng/ml

AM #28 Multi-Drug Quant. Results

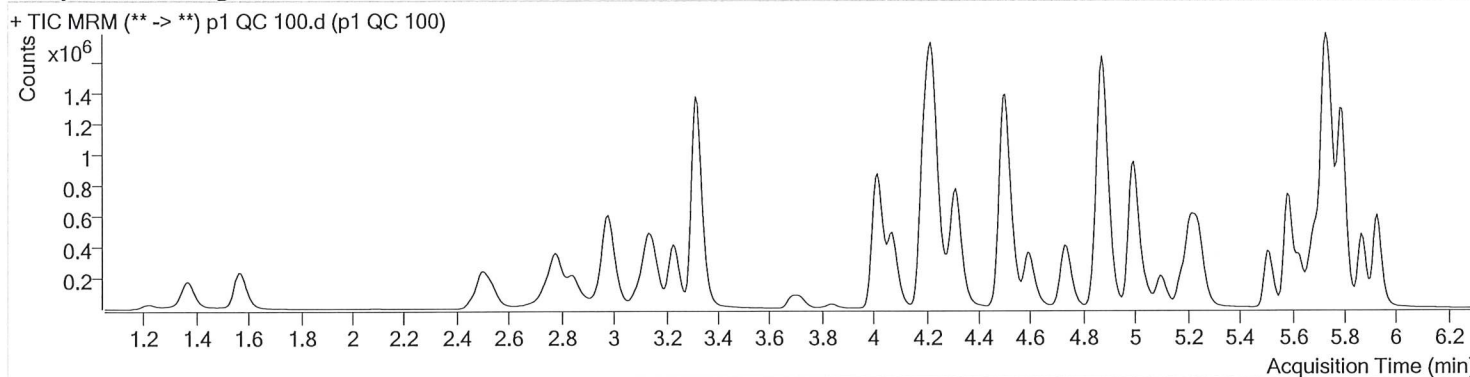| Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.629	55746	1466.97	53.3	115.65	253599	10.3163 ng/ml
Methamphetamine	3.158	50427	531.98	41.6	223.59	262903	10.5696 ng/ml
Metoprolol	4.278	19297	641.30	102.4	712.57	1173493	9.5653 ng/ml
Mirtazapine	4.596	87263	4500.45	50.3	809.99	253599	9.2718 ng/ml
Mitragynine	5.181	10944	1096.54	34.0	514.83	253599	11.1615 ng/ml
Morphine	1.213	7010	762.02	24.2	46.45	7333	10.2778 ng/ml
Norbuprenorphine	4.944	316	21.22	75.1	∞	9173	1.3120 ng/ml
Nordiazepam	5.869	63730	2613.28	58.2	500.89	198958	10.3916 ng/ml
Norfentanyl	4.037	18699	472.46	38.5	65.16	830972	0.9715 ng/ml
Norhydrocodone	3.007	5074	102.57	46.6	82.35	56839	9.0740 ng/ml
Noroxycodone	2.852	36663	819.42	57.7	15.03	139442	8.8096 ng/ml
O-desmethyl-tramadol	3.323	258187	1480.76	6.1	292.19	1365140	10.1248 ng/ml
Oxazepam	5.726	105268	1681.79	73.8	521.42	614405	10.3230 ng/ml
Oxycodone	2.776	95659	813.47	31.9	423.50	399320	10.0645 ng/ml
Oxymorphone	1.363	40644	408.78	48.4	182.32	144415	9.9878 ng/ml
Phentermine	3.723	18157	126.29	3.1	12.48	247654	10.5670 ng/ml
Promethazine	5.508	62588	548.54	30.3	77.80	256357	11.0471 ng/ml
Quetiapine	5.512	48431	4256.76	58.3	5797.55	59002	10.8628 ng/ml
Sertraline	5.751	13828	1398.01	94.5	292.92	53422	11.1863 ng/ml
Temazepam	5.792	169867	∞	29.8	287.77	828375	10.0798 ng/ml
Tramadol	4.197	229221	930.43	3.5	91.84	1173493	9.8584 ng/ml
Trazodone	5.100	45134	4878.04	82.1	652.28	183374	9.9629 ng/ml
Venlafaxine	4.994	161596	4507.34	35.8	140.83	822544	10.8423 ng/ml
Zolpidem	4.872	262005	3698.13	30.2	47578.27	1243948	10.1973 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results   D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin
Calibration Last Update   9/21/2020 10:24:20 AM

Instrument	Falco	**Data File**	p1 QC 100.d
Type	QC	**Sample**	p1 QC 100
Acq. Method	MDQ P1 060520.m	**Operator**	Sophia Jackson
Sample Position	P5-B2	**Comment**	
Injection Volume	2		
Acq. Date-Time	9/18/2020 12:27:28 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	3.092	27542	12352.89	72.0	826.15	56884	10.4568 ng/ml
7-aminoclonazepam	4.230	464823	30438.58	80.5	355.32	163964	101.6995 ng/ml
a-hydroxyalprazolam	5.668	243599	2967.30	61.5	1841.05	56752	107.6293 ng/ml
alpha-PHP	4.881	211866	3633.57	263.1	7913.34	456871	118.7469 ng/ml
alpha-PVP	4.315	1084836	18991.21	49.8	9764.35	456871	100.5483 ng/ml
Alprazolam	5.751	863963	3778.81	106.1	6794.62	226483	103.1327 ng/ml
Amphetamine	2.983	846133	30949.33	48.3	14658.74	76574	103.5670 ng/ml
Benzoylecgonine	3.838	45593	488.12	7.8	∞	16514	106.8783 ng/ml
Buprenorphine	5.694	9918	135.11	17.0	6509.74	43186	10.6309 ng/ml
Bupropion	4.739	655955	39124.93	61.3	1324.58	197126	103.9325 ng/ml
Carisoprodol	5.700	429194	1399662.53	54.8	929.62	204138	106.6989 ng/ml
Citalopram	5.176	299512	1675.79	41.5	1936.83	131876	101.1589 ng/ml
Clonazepam	5.581	1134263	∞	33.3	20338.01	129767	107.7853 ng/ml
Cocaine	4.223	1286282	51683.46	44.9	65454.75	862425	105.1267 ng/ml
Codeine	2.536	144781	3823.12	102.7	453.66	61816	101.5608 ng/ml
Cyclobenzaprine	5.598	87197	1527.95	9.8	121.63	32515	106.2747 ng/ml
Dextromethorphan	5.219	133097	570.26	79.7	∞	61587	101.9199 ng/ml
Dextrorphan	4.070	270059	709.28	203.1	6942.64	333917	102.5361 ng/ml
Diazepam	5.929	588506	1346.18	88.3	2019.99	268525	105.8124 ng/ml
Dihydrocodeine	2.502	376931	33284.27	64.9	7851.52	197133	109.5664 ng/ml
Diphenhydramine	5.247	477620	154200.72	32.7	1256.04	375454	103.0131 ng/ml
Doxylamine	4.500	1958953	30581.62	97.5	76505.08	771630	104.0109 ng/ml
EDDP	5.211	591221	10366.30	42.7	609.25	306502	102.5044 ng/ml
Fentanyl	5.047	11644	850.36	66.8	670.35	51606	10.3342 ng/ml
Fluoxetine	5.683	71473	6015.06	8.3	278.47	27814	108.4101 ng/ml
Hydrocodone	2.973	462866	∞	38.9	262.80	278159	111.6211 ng/ml
Hydromorphone	1.574	391601	1184.73	76.9	∞	128559	97.4793 ng/ml
Ketamine	4.017	960096	70737.34	40.3	4445.34	402358	108.1784 ng/ml
Lamotrigine	4.239	90284	5457.46	82.2	3742.07	402358	112.4925 ng/ml
Lorazepam	5.722	788743	2017.13	56.9	4434.49	129767	96.5283 ng/ml
MDA	3.137	771555	4728.06	18.6	1937.33	143050	111.2199 ng/ml
MDMA	3.231	727300	∞	60.2	12111.11	60829	108.5912 ng/ml
Meprobamate	4.862	148325	833.15	25.5	5967.20	82457	101.7488 ng/ml

AM #28 Multi-Drug Quant. Results

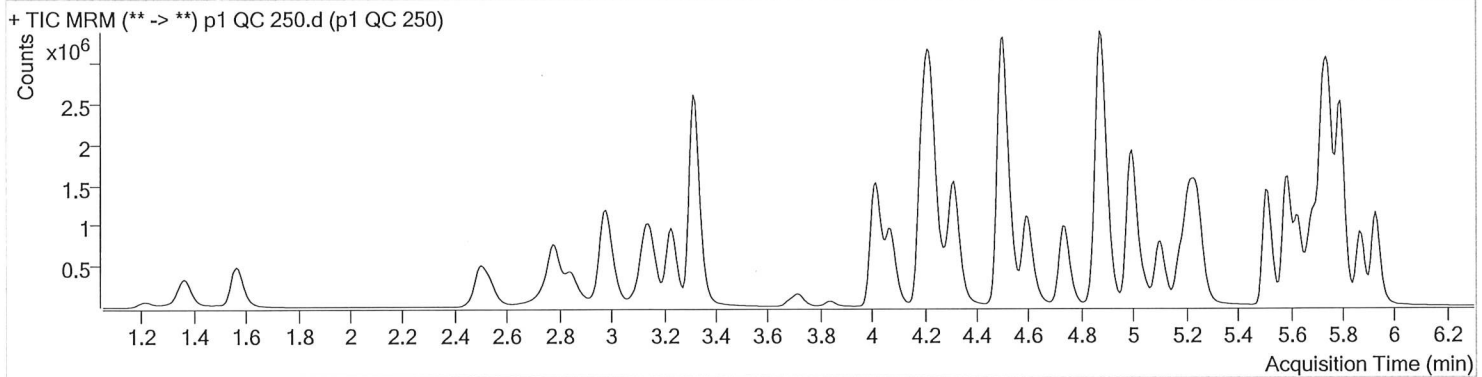| Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.629	316089	59311.38	54.1	3498.39	144042	104.1080 ng/ml
Methamphetamine	3.158	415709	2163.12	42.2	2295.05	223841	106.8938 ng/ml
Metoprolol	4.278	184276	7879.51	97.3	5715.54	1081151	104.1601 ng/ml
Mirtazapine	4.596	643843	13524.15	49.4	854680.73	144042	114.4500 ng/ml
Mitragynine	5.181	56378	2407.27	38.5	78042.12	144042	102.2420 ng/ml
Morphine	1.220	67340	906.98	24.3	119.44	6858	106.5234 ng/ml
Norbuprenorphine	4.937	1554	439.51	81.4	2308.22	6123	11.2127 ng/ml
Nordiazepam	5.869	574177	6474.59	58.0	7029.68	174845	108.5168 ng/ml
Norfentanyl	4.037	178866	2649.46	37.3	404.88	746950	9.7954 ng/ml
Norhydrocodone	3.014	45911	166.17	44.6	166.94	43068	98.3480 ng/ml
Noroxycodone	2.845	397677	1028.22	49.7	422.88	124060	107.4292 ng/ml
O-desmethyl-tramadol	3.323	2510144	127016.17	6.0	1220.93	1276326	104.5391 ng/ml
Oxazepam	5.726	899691	9343.52	70.8	3612.22	511812	110.8461 ng/ml
Oxycodone	2.776	929421	3190.41	31.3	2849.39	371286	108.0067 ng/ml
Oxymorphone	1.370	377036	2131.73	49.4	∞	130037	105.0720 ng/ml
Phentermine	3.723	159770	∞	2.7	163.62	212507	113.6547 ng/ml
Promethazine	5.508	204365	13974.91	30.8	3238.73	84964	101.8090 ng/ml
Quetiapine	5.512	345925	482.78	61.3	∞	42410	110.1870 ng/ml
Sertraline	5.751	33670	216.67	92.1	524.06	13374	98.8566 ng/ml
Temazepam	5.792	1585880	1429.55	29.6	33047.13	762487	101.1100 ng/ml
Tramadol	4.197	2160929	5298.77	3.4	1297.99	1081151	104.0837 ng/ml
Trazodone	5.093	317959	62529.99	77.9	29712.48	124930	107.2536 ng/ml
Venlafaxine	4.994	1478357	4822.48	36.1	1973.88	734843	106.4843 ng/ml
Zolpidem	4.872	2438909	926.64	30.7	43036.42	1134898	107.9244 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results   D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin
Calibration Last Update   9/21/2020 10:24:20 AM

Instrument	Falco	**Data File**	p1 QC 250.d
Type	QC	**Sample**	p1 QC 250
Acq. Method	MDQ P1 060520.m	**Operator**	Sophia Jackson
Sample Position	P5-C2	**Comment**	
Injection Volume	2		
Acq. Date-Time	9/18/2020 12:48:40 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	3.092	66256	3143.11	71.7	1310.32	56688	25.2524 ng/ml
7-aminoclonazepam	4.230	1037484	27964.58	79.9	1121.20	148828	249.6325 ng/ml
a-hydroxyalprazolam	5.668	527693	738.05	63.4	1307.22	52195	253.9663 ng/ml
alpha-PHP	4.881	495360	6881.81	262.9	∞	428358	305.2667 ng/ml
alpha-PVP	4.315	2450912	31357.25	50.2	30837.97	428358	241.6513 ng/ml
Alprazolam	5.751	1911658	2817.23	104.0	2342.62	199736	257.9192 ng/ml
Amphetamine	2.983	1800107	17497.16	49.1	69288.43	76828	220.3077 ng/ml
Benzoylecgonine	3.838	115785	660.49	7.6	2540.19	17526	256.1627 ng/ml
Buprenorphine	5.694	37244	∞	16.4	335.64	66266	26.1925 ng/ml
Bupropion	4.739	1716332	4909.38	61.1	2194.06	213689	250.9373 ng/ml
Carisoprodol	5.700	897629	1714.90	53.2	1232.92	179311	254.1023 ng/ml
Citalopram	5.176	981614	1719.29	41.2	5540.66	176288	247.6154 ng/ml
Clonazepam	5.581	2427798	1512.76	33.5	3603.83	121001	247.9789 ng/ml
Cocaine	4.216	2823857	214132.25	45.4	178307.19	787812	252.4575 ng/ml
Codeine	2.536	325565	7004.83	103.6	3274.24	57872	243.6265 ng/ml
Cyclobenzaprine	5.598	528235	702038.45	9.8	∞	83120	251.6742 ng/ml
Dextromethorphan	5.219	535461	96828.31	79.5	1753.80	99608	253.4464 ng/ml
Dextrorphan	4.070	640580	22470.31	211.5	∞	330003	246.0026 ng/ml
Diazepam	5.929	1283417	1670.91	88.2	920.98	242725	255.5186 ng/ml
Dihydrocodeine	2.502	855420	47681.64	66.7	16236.06	196877	249.9235 ng/ml
Diphenhydramine	5.247	1645729	654.51	33.2	2433.98	540437	246.2206 ng/ml
Doxylamine	4.500	5055430	428841.15	96.9	172142.92	814776	254.3556 ng/ml
EDDP	5.211	1533465	5866.96	43.4	85286.44	333421	244.6186 ng/ml
Fentanyl	5.047	66325	4515.49	65.5	2052.78	122495	24.8440 ng/ml
Fluoxetine	5.690	471276	15675.35	8.5	12885.50	77641	256.2014 ng/ml
Hydrocodone	2.973	996209	520.42	38.8	∞	266958	251.4998 ng/ml
Hydromorphone	1.567	897892	∞	80.0	∞	122236	235.1268 ng/ml
Ketamine	4.010	2240896	265076.29	39.4	∞	394321	258.1540 ng/ml
Lamotrigine	4.239	196667	13155.46	80.8	16598.37	394321	250.4466 ng/ml
~~Lorazepam~~	~~5.722~~	~~1290278~~	~~∞~~	~~58.2~~	~~3613.37~~	~~121001~~	~~169.9545 ng/ml~~ *
MDA	3.130	1756642	8841.86	17.9	4014.34	137430	264.5851 ng/ml
MDMA	3.231	1744677	∞	61.0	7784.66	61453	258.0690 ng/ml
Meprobamate	4.862	289413	11034.26	25.4	378.39	77103	212.9226 ng/ml

p1 QC 250

* Outside curve range

AM #28 Multi-Drug Quant. Results

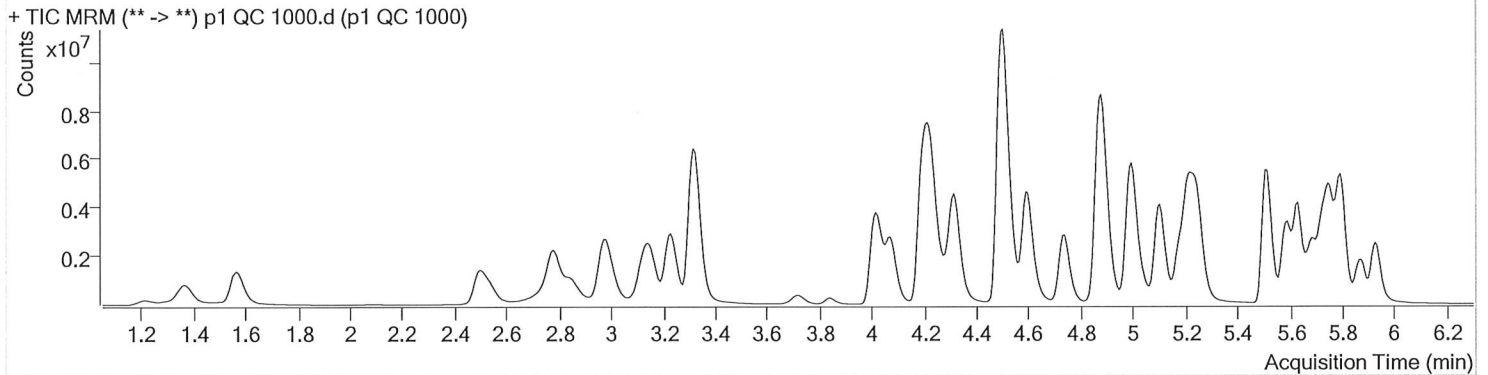| Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.629	1256980	2043.09	53.9	3218.30	234408	254.5818 ng/ml
Methamphetamine	3.158	978788	12932.10	42.1	1648.93	219483	257.4138 ng/ml
Metoprolol	4.278	432395	8110.36	96.2	∞	999240	265.2656 ng/ml
Mirtazapine	4.596	2078565	16389.50	49.2	50342.98	234408	226.5556 ng/ml
Mitragynine	5.181	251970	13507.61	38.1	113824.02	234408	281.0107 ng/ml
Morphine	1.213	159086	∞	24.0	3607.15	7091	243.5304 ng/ml
Norbuprenorphine	4.944	5569	366.48	79.6	286.50	9177	27.1489 ng/ml
Nordiazepam	5.869	1244020	1762.51	57.0	48026.97	158237	260.0899 ng/ml
Norfentanyl	4.037	428499	3046.25	37.1	27235.31	722245	24.1858 ng/ml
Norhydrocodone	3.014	97172	469.63	42.7	215.09	34189	260.6939 ng/ml
Noroxycodone	2.852	862647	1098.23	49.4	4185.25	111144	260.1215 ng/ml
O-desmethyl-tramadol	3.317	5940628	8496.86	5.9	4747.61	1229081	256.8019 ng/ml
Oxazepam	5.726	1686930	33225.19	69.6	8840.35	409372	260.5624 ng/ml
Oxycodone	2.776	2177651	15288.95	31.6	5928.82	367824	255.8524 ng/ml
Oxymorphone	1.363	853087	∞	49.0	∞	126594	244.5136 ng/ml
Phentermine	3.723	379034	∞	2.6	905.95	212651	270.2321 ng/ml
Promethazine	5.508	1307927	8646.42	30.4	1550.10	224521	245.4416 ng/ml
Quetiapine	5.512	1096894	134487.15	60.2	∞	55587	266.9243 ng/ml
Sertraline	5.758	214493	8285.22	91.9	416.86	36092	231.8109 ng/ml
Temazepam	5.792	3653129	4730.95	29.2	1876.87	704867	251.7662 ng/ml
Tramadol	4.197	4893032	2490.59	3.3	2614.47	999240	255.5018 ng/ml
Trazodone	5.100	1278413	∞	78.5	4688850.77	213113	253.4101 ng/ml
Venlafaxine	4.994	3595972	142008.90	35.6	2936.80	731181	259.6004 ng/ml
Zolpidem	4.872	5753244	357167.28	30.2	1268.21	1127019	256.9471 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results   D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin
Calibration Last Update   9/21/2020 10:24:20 AM

Instrument	Falco	**Data File**	p1 QC 1000.d
Type	QC	**Sample**	p1 QC 1000
Acq. Method	MDQ P1 060520.m	**Operator**	Sophia Jackson
Sample Position	P5-D2	**Comment**	
Injection Volume	2		
Acq. Date-Time	9/18/2020 1:09:53 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	3.085	250758	4042.95	70.6	2449.24	55978	96.8058 ng/ml
7-aminoclonazepam	4.237	1901249	245.46	80.2	16132.61	65811	1033.5724 ng/ml
a-hydroxyalprazolam	5.668	1180759	520.27	62.9	∞	31233	950.6047 ng/ml
alpha-PHP	4.888	1370605	7524.46	267.9	9730.44	346708	1058.3622 ng/ml
alpha-PVP	4.315	8233897	530734.69	48.9	128224.80	346708	1001.6062 ng/ml
Alprazolam	5.751	4522887	3095.71	103.2	2123.55	118056	1030.7588 ng/ml
~~Amphetamine~~	~~2.983~~	~~4331594~~	~~94086.45~~	~~48.8~~	~~32014.13~~	~~71566~~	~~570.0948 ng/ml~~ *
Benzoylecgonine	3.838	472331	10338.84	7.8	∞	16932	1082.6018 ng/ml
Buprenorphine	5.694	138652	3827.83	16.4	1646.79	66613	97.3330 ng/ml
Bupropion	4.739	5224411	492403.25	59.9	84605.49	167845	972.6150 ng/ml
Carisoprodol	5.700	1704828	138439.22	54.6	35379.37	90065	960.9278 ng/ml
Citalopram	5.176	3786895	4698.13	40.7	2735.69	166770	1008.9291 ng/ml
Clonazepam	5.581	5006515	56306.38	33.0	65112.71	73635	841.3429 ng/ml
Cocaine	4.223	8619813	639109.93	43.8	74706.63	581125	1044.2819 ng/ml
Codeine	2.536	961105	2910.42	102.2	776.18	39543	1051.8391 ng/ml
Cyclobenzaprine	5.598	2317425	138567.75	9.8	1635.60	90186	1017.2322 ng/ml
Dextromethorphan	5.219	1793274	5542.58	78.8	101315.30	82122	1029.3766 ng/ml
Dextrorphan	4.070	2194287	59811.64	213.1	202869.81	277698	1001.1820 ng/ml
Diazepam	5.929	3484823	1919.68	86.6	11201.83	166239	1013.5079 ng/ml
Dihydrocodeine	2.495	2719331	212052.01	64.2	24730.60	184415	849.9611 ng/ml
Diphenhydramine	5.247	6613644	4558.33	32.4	4393.15	520410	1026.7102 ng/ml
Doxylamine	4.500	19187611	219866.31	97.0	720929.22	797799	986.2373 ng/ml
EDDP	5.211	7018634	2454.79	41.5	2561.59	364872	1023.6009 ng/ml
Fentanyl	5.047	322715	29583.61	65.4	1166196.87	141183	104.9860 ng/ml
Fluoxetine	5.690	1795178	358.23	8.7	∞	72922	1039.3387 ng/ml
Hydrocodone	2.973	3163552	2243.97	39.1	729.91	242120	882.9662 ng/ml
Hydromorphone	1.567	2846954	∞	77.7	1050.28	95436	954.9966 ng/ml
Ketamine	4.017	7271521	263844.20	39.0	∞	346598	954.0357 ng/ml
~~Lamotrigine~~	~~4.246~~	~~405755~~	~~3860.76~~	~~80.6~~	~~2792.75~~	~~346598~~	~~588.3052 ng/ml~~ *
~~Lorazepam~~	~~5.722~~	~~1516182~~	~~∞~~	~~57.0~~	~~5712.18~~	~~73635~~	~~328.9226 ng/ml~~ *
MDA	3.130	4395193	83481.62	17.1	12887.51	99052	920.3183 ng/ml
MDMA	3.231	5863241	326220.28	59.2	29699.14	53003	1006.0064 ng/ml
~~Meprobamate~~	~~4.855~~	~~481779~~	~~510.15~~	~~24.8~~	~~8128.46~~	~~54486~~	~~502.3263 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	5.629	5719167	106263.35	51.8	738.25	257249	1055.8731 ng/ml
Methamphetamine	3.158	3019034	1908.36	42.4	10274.27	186527	935.6428 ng/ml
Metoprolol	4.278	1220404	258171.29	96.6	∞	839263	892.6708 ng/ml
~~Mirtazapine~~	~~4.596~~	~~9072584~~	~~233476.63~~	~~48.4~~	~~690735.38~~	~~257249~~	~~899.5866 ng/ml~~ *
Mitragynine	5.181	1016257	35072.49	38.7	11490.70	257249	1033.0857 ng/ml
Morphine	1.220	493122	2842.37	24.7	∞	5531	967.9831 ng/ml
Norbuprenorphine	4.944	22917	1111.93	84.4	5124.78	10327	99.9290 ng/ml
Nordiazepam	5.876	2988138	∞	57.4	∞	100291	986.2886 ng/ml
Norfentanyl	4.037	1355042	70947.94	36.9	32556.92	502269	109.7797 ng/ml
Norhydrocodone	3.007	313572	574.47	41.6	57.84	24510	1170.2562 ng/ml
Noroxycodone	2.845	2198115	9852.36	49.4	∞	67656	1088.8661 ng/ml
O-desmethyl-tramadol	3.317	18729171	∞	5.8	2874.12	956531	1040.0749 ng/ml
Oxazepam	5.726	2206716	14718.31	71.4	7080.19	151924	919.7895 ng/ml
Oxycodone	2.776	7580547	∞	31.2	∞	341214	960.9232 ng/ml
Oxymorphone	1.363	2493202	2368.73	49.3	∞	92292	980.9008 ng/ml
Phentermine	3.723	1120661	∞	2.5	∞	187934	905.3983 ng/ml
Promethazine	5.508	5662415	30609.78	29.8	4318.20	238827	996.5026 ng/ml
Quetiapine	5.512	4664123	928253.02	59.6	31883.63	66575	948.3097 ng/ml
Sertraline	5.758	662094	1649.97	91.1	29452.19	25293	1017.1820 ng/ml
Temazepam	5.792	9605006	124630.51	28.2	25407.27	454879	1025.3702 ng/ml
Tramadol	4.190	15066800	21117.68	3.2	15634.69	839263	937.6435 ng/ml
Trazodone	5.100	6811145	259651.25	77.9	∞	292011	986.6456 ng/ml
Venlafaxine	4.994	12993306	270191.42	34.3	2292.54	627805	1090.8895 ng/ml
Zolpidem	4.878	17851808	∞	29.4	211733.17	982536	915.6045 ng/ml

* Outside curve range

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin

Last Cal. Update   9/21/2020 10:24 AM

Analyst Name   ISP\datastor

Analyte   MDA   **Internal Standard**   MDA-D5

MDA - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs
y = 0.048176 * x + 0.035488
R^2 = 0.99470219
Type:Linear, Origin:Ignore, Weight:1/x^2

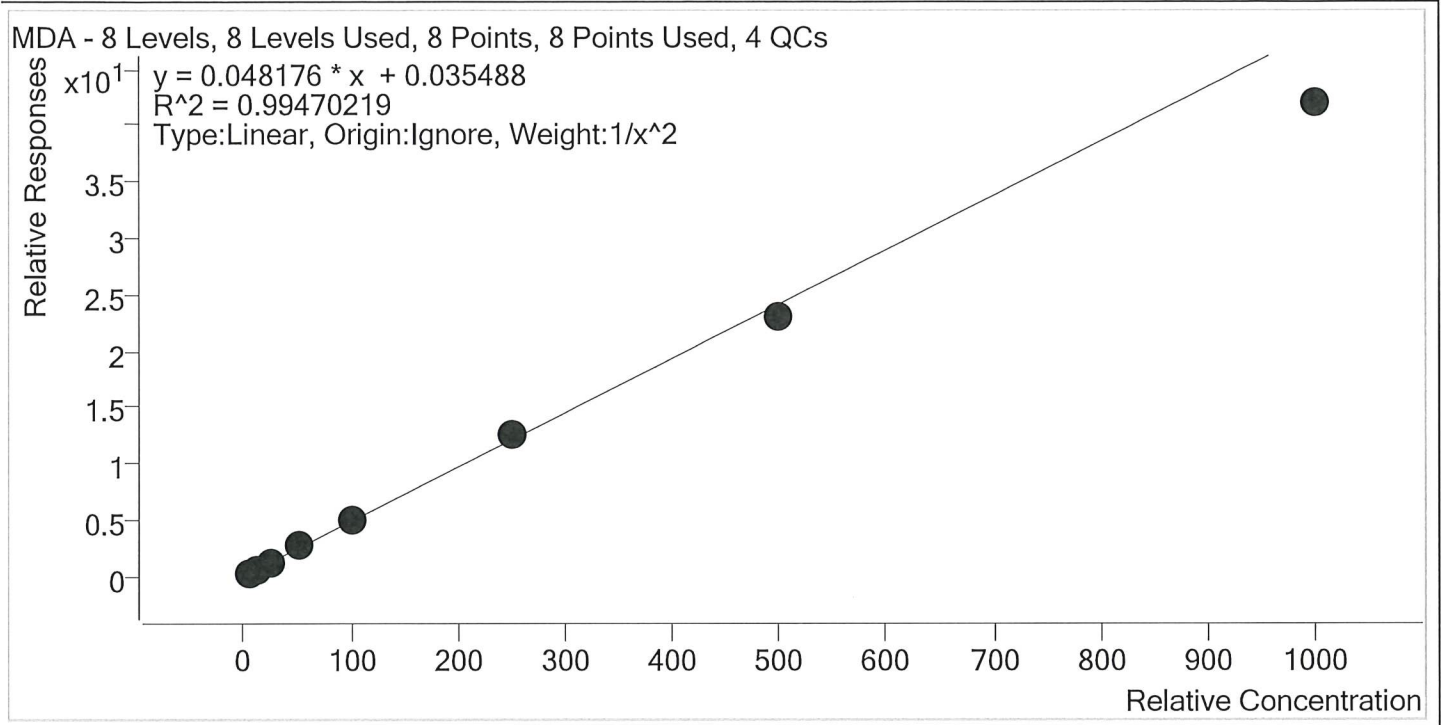| Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.3
p1 Cal 2- 10ng	2	✓	10.0	10.3	102.5
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.2
p1 Cal 4-50ng	4	✓	50.0	53.1	106.2
p1 Cal 5-100ng	5	✓	100.0	105.0	105.0
p1 Cal 6-250ng	6	✓	250.0	257.1	102.9
p1 Cal 7-500ng	7	✓	500.0	479.2	95.8
p1 Cal 8-1000ng	8	✓	1000.0	870.6	87.1

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin

Last Cal. Update   9/21/2020 10:24 AM

Analyst Name   ISP\datastor

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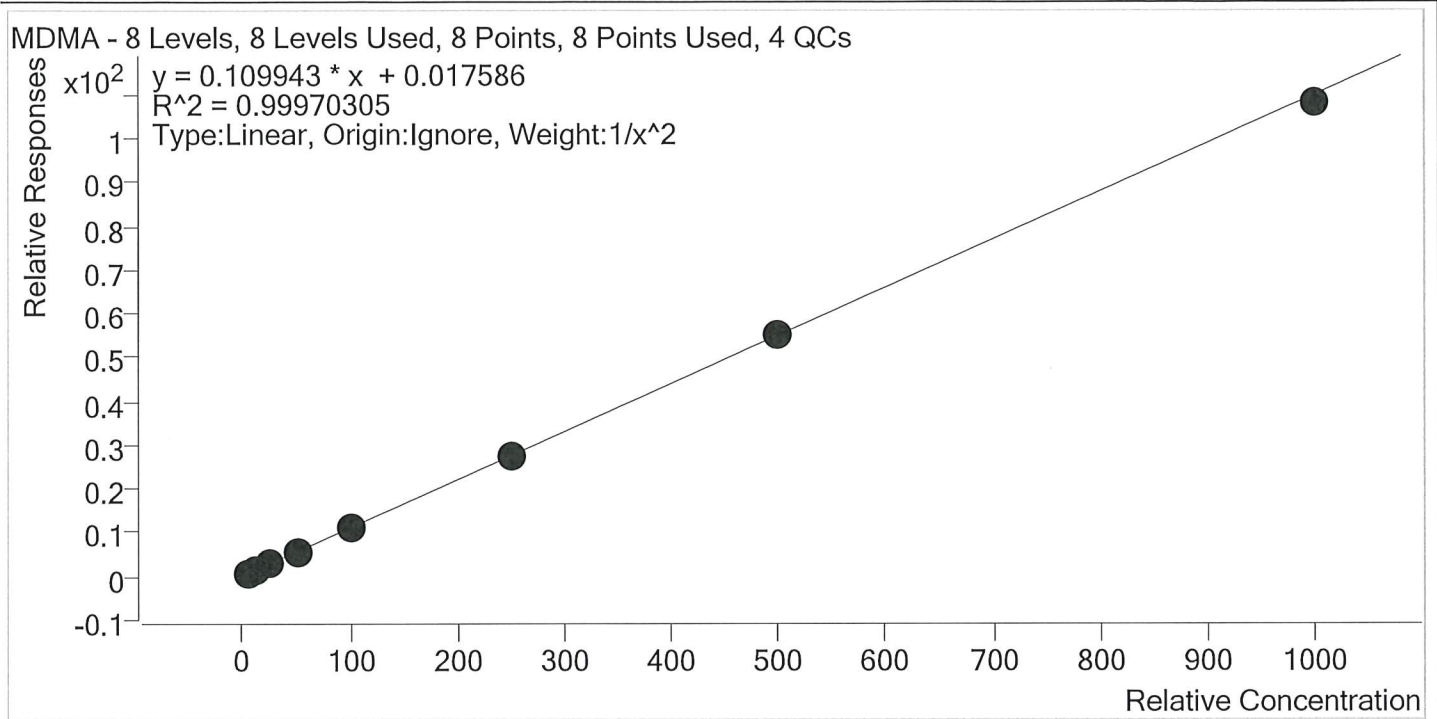
MDMA - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.109943 * x + 0.017586$
$R^2 = 0.99970305$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.3
p1 Cal 2- 10ng	2	✓	10.0	9.8	98.1
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.3
p1 Cal 4-50ng	4	✓	50.0	50.9	101.8
p1 Cal 5-100ng	5	✓	100.0	100.0	100.0
p1 Cal 6-250ng	6	✓	250.0	248.5	99.4
p1 Cal 7-500ng	7	✓	500.0	498.8	99.8
p1 Cal 8-1000ng	8	✓	1000.0	983.1	98.3

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin
Last Cal. Update	9/21/2020 10:24 AM
Analyst Name	ISP\datastor
Analyte	alpha-PHP

Internal Standard alpha-PVP-d8

alpha-PHP - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs

$y = 0.003714 * x + 0.022742$
$R^2 = 0.99780394$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✗	5.0	0.0	0.0
p1 Cal 2- 10ng	2	✓	10.0	9.4	93.9
p1 Cal 3 -25ng	3	✓	25.0	23.3	93.2
p1 Cal 4-50ng	4	✓	50.0	53.7	107.5
p1 Cal 5-100ng	5	✓	100.0	101.5	101.5
p1 Cal 6-250ng	6	✓	250.0	254.3	101.7
p1 Cal 7-500ng	7	✓	500.0	529.6	105.9
p1 Cal 8-1000ng	8	✓	1000.0	963.1	96.3

Generated at 4:13 PM on 9/21/2020

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin
Last Cal. Update	9/21/2020 10:24 AM
Analyst Name	ISP\datastor
Analyte	6-MAM

Internal Standard 6-MAM-D6

6-MAM - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs
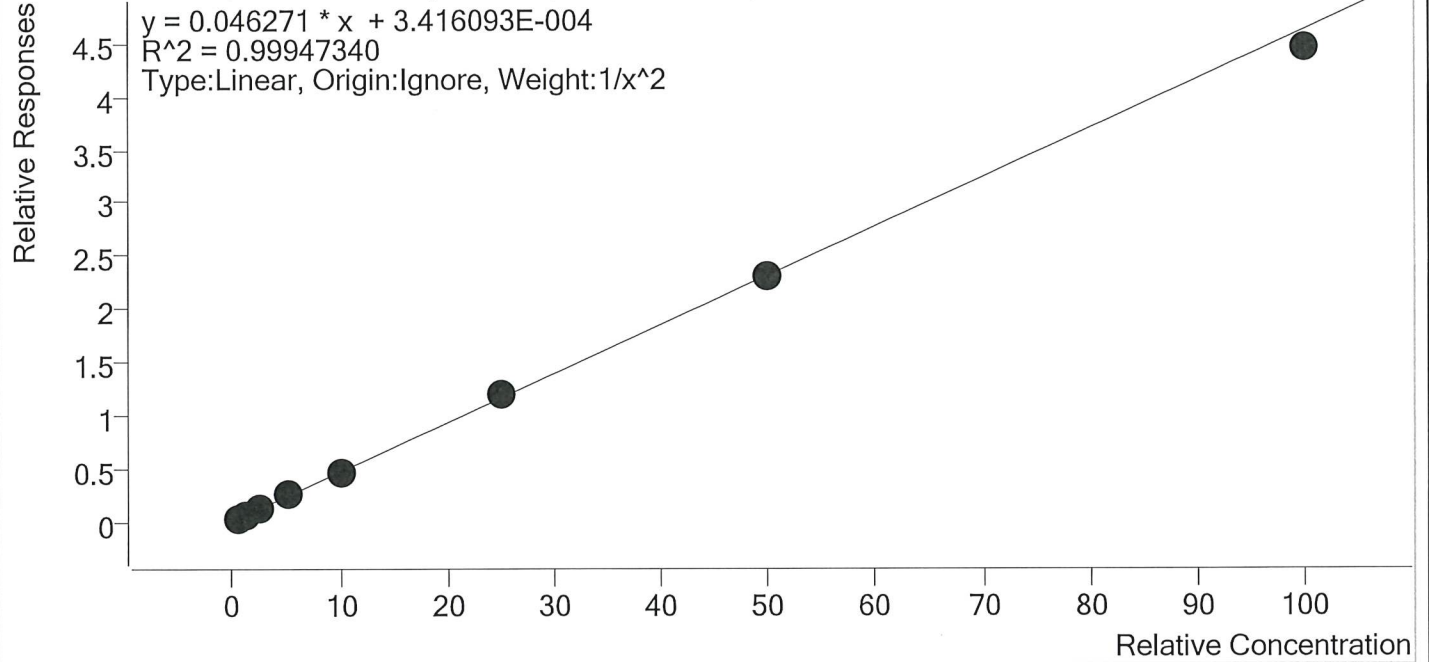
$y = 0.046271 * x + 3.416093E\text{-}004$
$R^2 = 0.99947340$
Type:Linear, Origin:Ignore, Weight:1/x^2

Relative Responses vs. Relative Concentration

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	99.4
p1 Cal 2- 10ng	2	✓	1.0	1.0	100.9
p1 Cal 3 -25ng	3	✓	2.5	2.5	99.8
p1 Cal 4-50ng	4	✓	5.0	5.1	102.7
p1 Cal 5-100ng	5	✓	10.0	9.9	99.2
p1 Cal 6-250ng	6	✓	25.0	25.5	102.1
p1 Cal 7-500ng	7	✓	50.0	49.8	99.7
p1 Cal 8-1000ng	8	✓	100.0	96.3	96.3

Generated at 4:13 PM on 9/21/2020

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin

Last Cal. Update   9/21/2020 10:24 AM
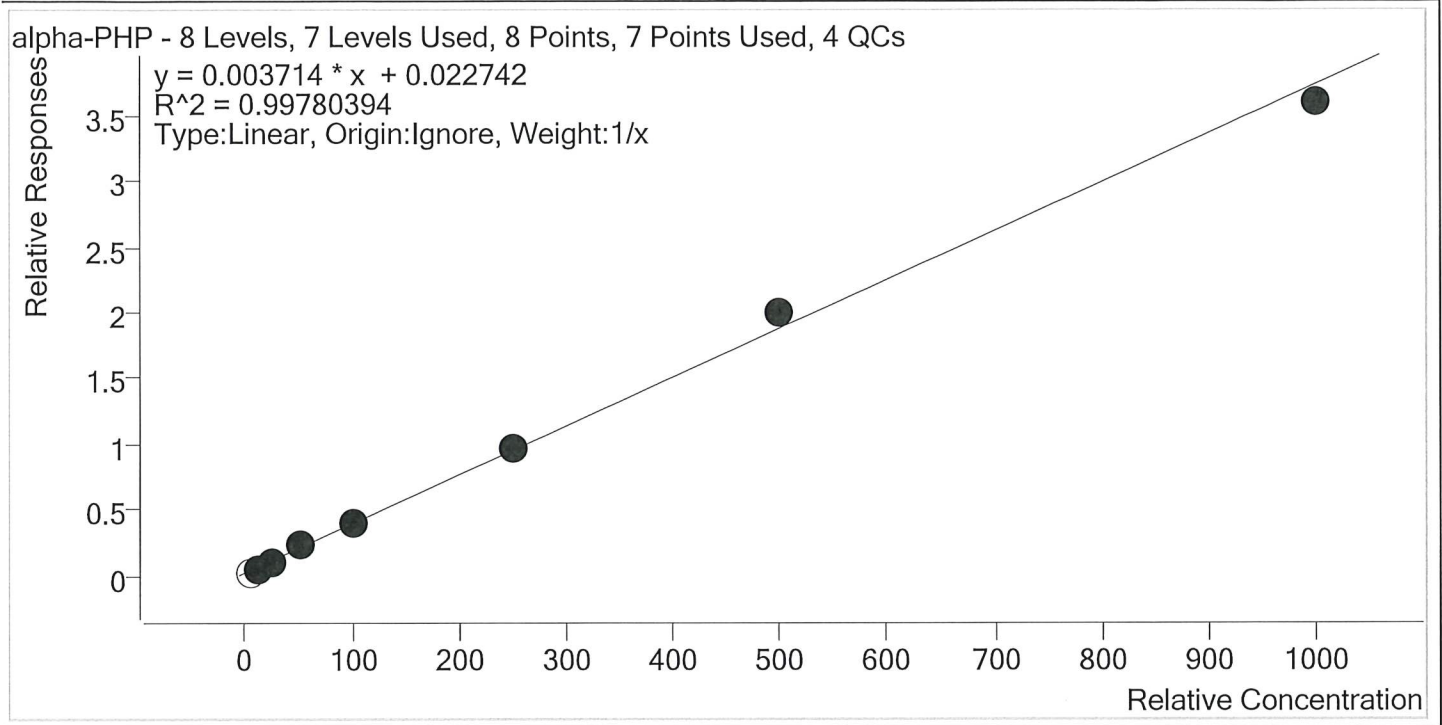
Analyst Name   ISP\datastor

Analyte   7-aminoclonazepam   **Internal Standard**   7-Aminoclonazepam-D4
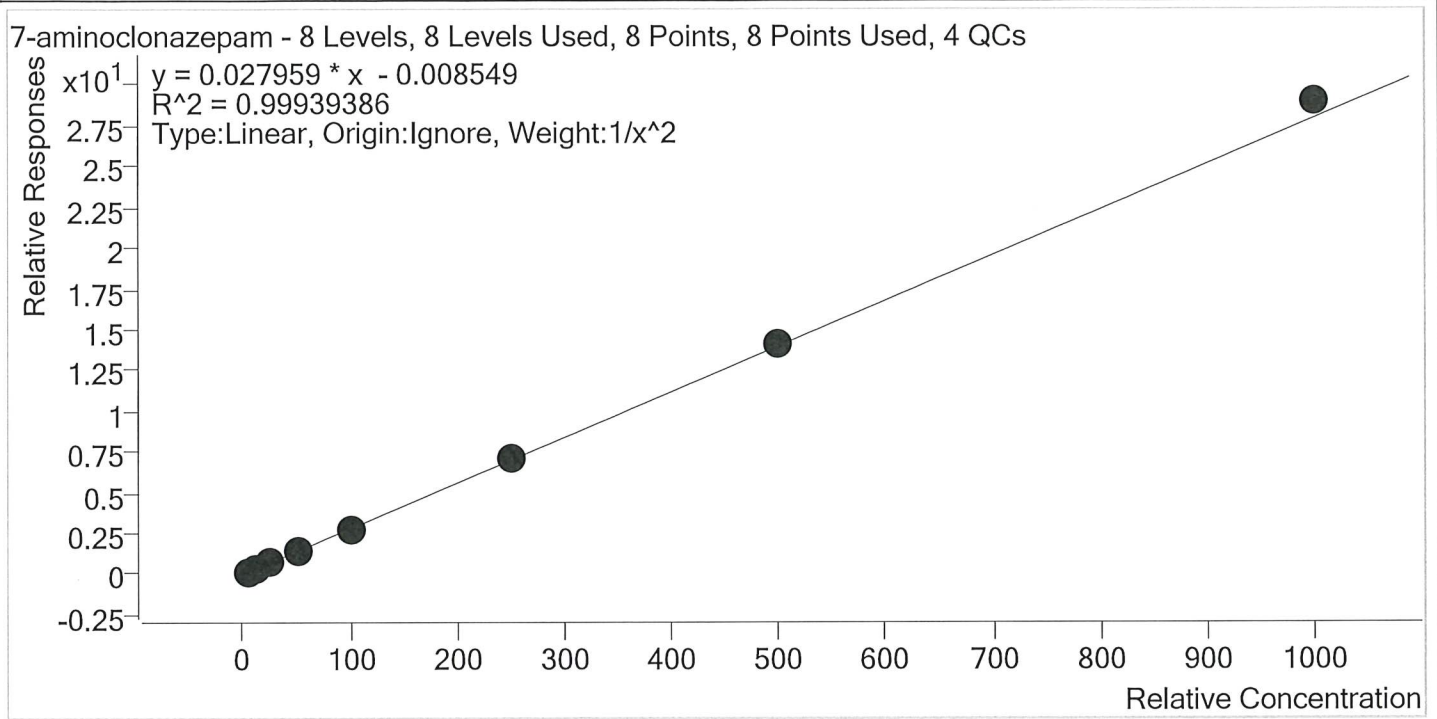
7-aminoclonazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.027959 * x - 0.008549$
$R^2 = 0.99939386$
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	98.1
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.1
p1 Cal 4-50ng	4	✓	50.0	49.7	99.4
p1 Cal 5-100ng	5	✓	100.0	98.5	98.5
p1 Cal 6-250ng	6	✓	250.0	251.6	100.6
p1 Cal 7-500ng	7	✓	500.0	504.8	101.0
p1 Cal 8-1000ng	8	✓	1000.0	1036.6	103.7

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin
Last Cal. Update	9/21/2020 10:24 AM
Analyst Name	ISP\datastor
Analyte	a-hydroxyalprazolam

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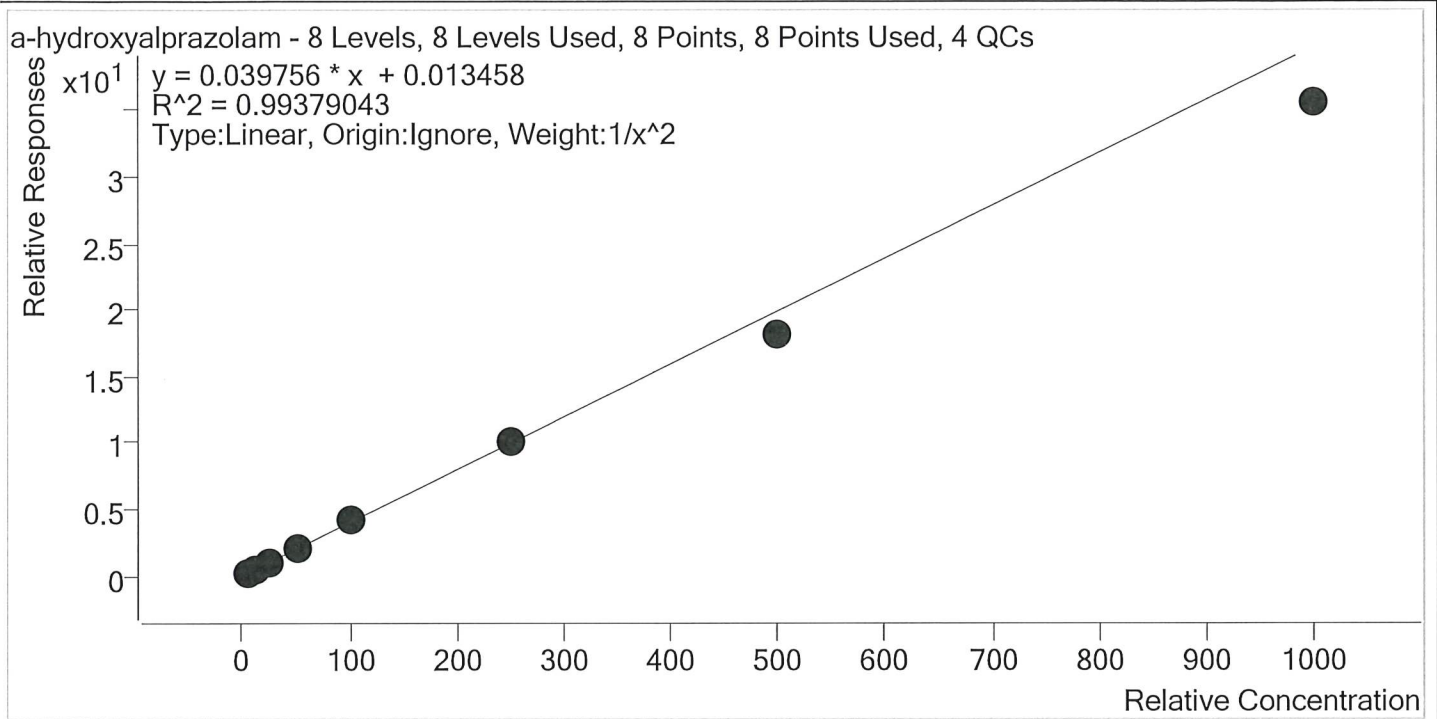
a-hydroxyalprazolam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.039756 * x + 0.013458$
$R^2 = 0.99379043$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.6
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.5
p1 Cal 3 -25ng	3	✓	25.0	26.5	106.1
p1 Cal 4-50ng	4	✓	50.0	54.2	108.3
p1 Cal 5-100ng	5	✓	100.0	105.2	105.2
p1 Cal 6-250ng	6	✓	250.0	250.4	100.1
p1 Cal 7-500ng	7	✓	500.0	458.9	91.8
p1 Cal 8-1000ng	8	✓	1000.0	894.4	89.4

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin

Last Cal. Update 9/21/2020 10:24 AM

Analyst Name ISP\datastor

Analyte alpha-PVP   **Internal Standard** alpha-PVP-d8
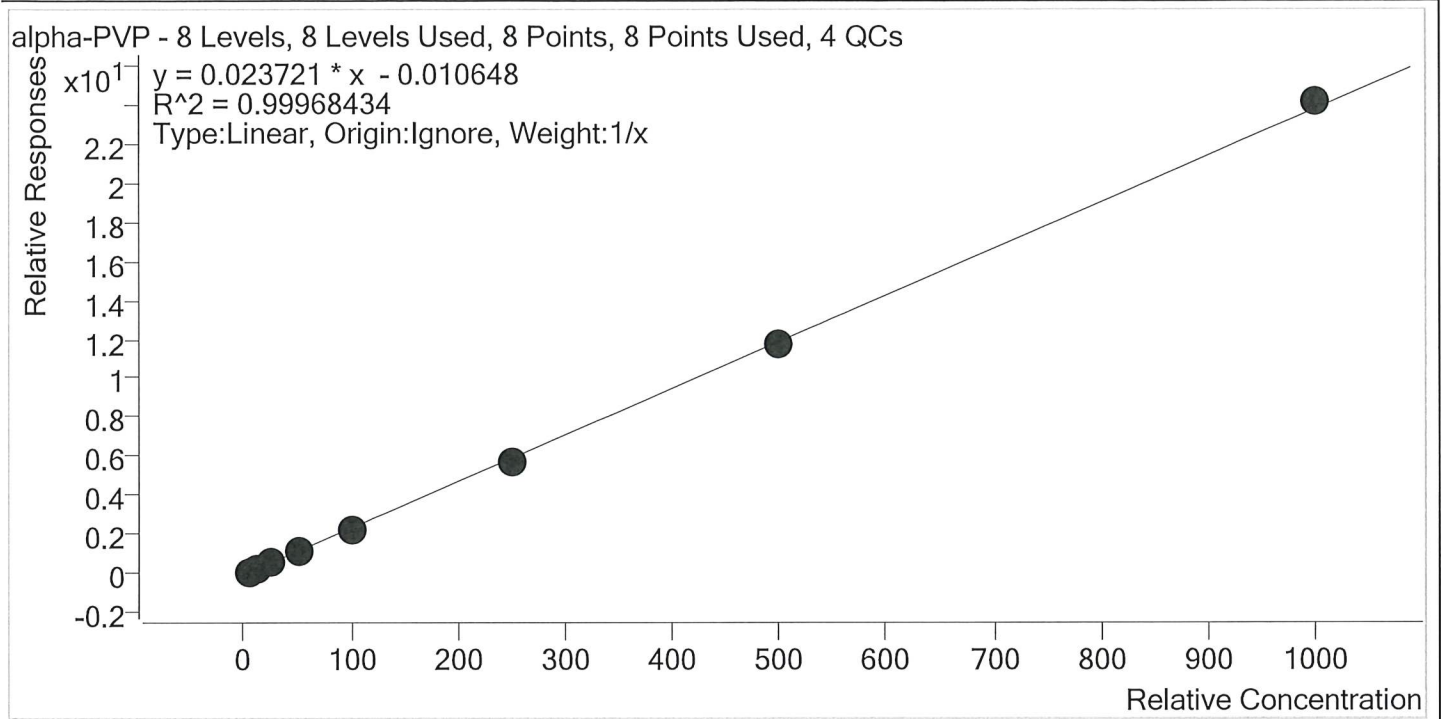
alpha-PVP - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.023721 * x - 0.010648$
$R^2 = 0.99968434$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	105.9
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.5
p1 Cal 3 -25ng	3	✓	25.0	24.7	99.0
p1 Cal 4-50ng	4	✓	50.0	49.1	98.2
p1 Cal 5-100ng	5	✓	100.0	97.6	97.6
p1 Cal 6-250ng	6	✓	250.0	243.3	97.3
p1 Cal 7-500ng	7	✓	500.0	494.7	98.9
p1 Cal 8-1000ng	8	✓	1000.0	1015.1	101.5

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin
Last Cal. Update	9/21/2020 10:24 AM
Analyst Name	ISP\datastor
Analyte	Alprazolam	**Internal Standard** Alprazolam-D5

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

$y = 0.037188 * x - 0.020616$
$R^2 = 0.99984943$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.4	107.8
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.5
p1 Cal 4-50ng	4	✓	50.0	47.8	95.6
p1 Cal 5-100ng	5	✓	100.0	98.3	98.3
p1 Cal 6-250ng	6	✓	250.0	250.6	100.2
p1 Cal 7-500ng	7	✓	500.0	506.0	101.2
p1 Cal 8-1000ng	8	✓	1000.0	997.7	99.8

Generated at 4:13 PM on 9/21/2020

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin

Last Cal. Update   9/21/2020 10:24 AM

Analyst Name   ISP\datastor

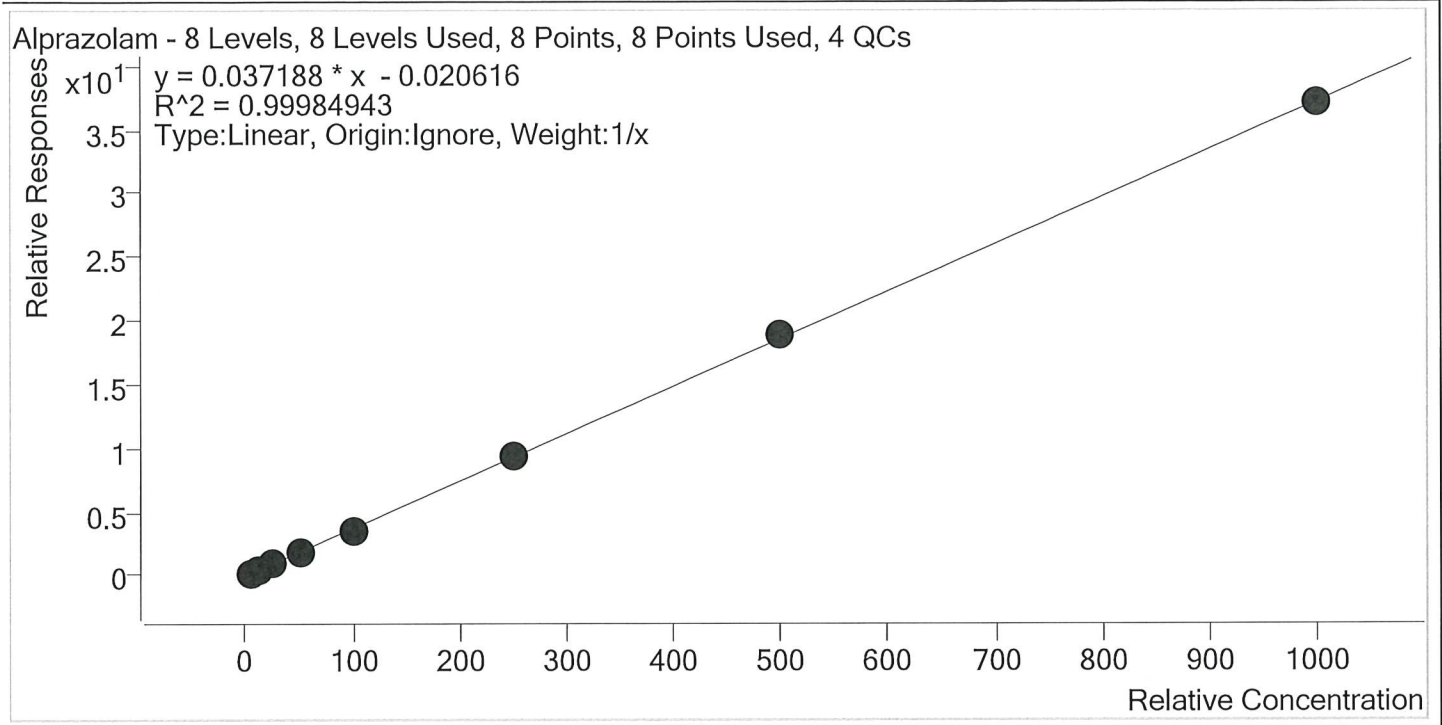**Analyte**   Amphetamine   **Internal Standard**   Amphetamine-D11
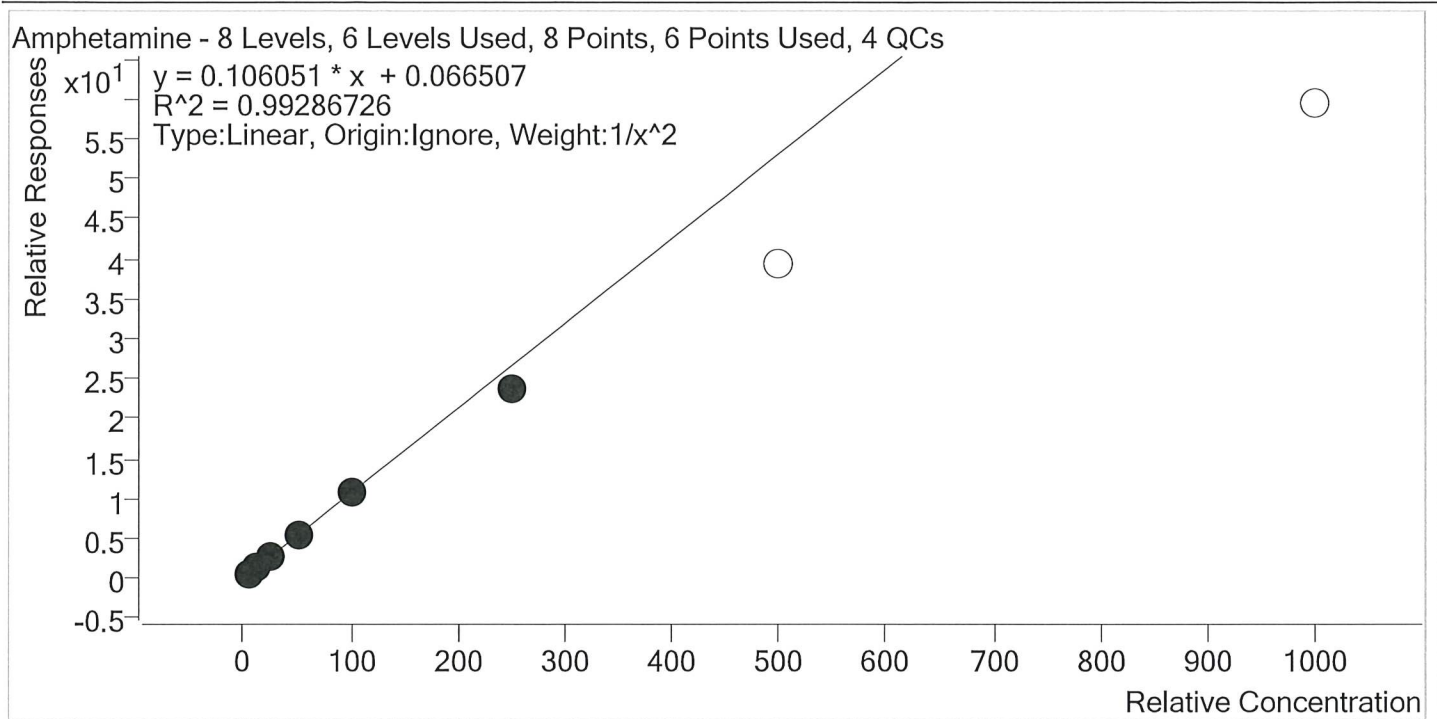
Amphetamine - 8 Levels, 6 Levels Used, 8 Points, 6 Points Used, 4 QCs

$y = 0.106051 * x + 0.066507$
$R^2 = 0.99286726$
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	95.6
p1 Cal 2- 10ng	2	✓	10.0	10.6	106.3
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.7
p1 Cal 4-50ng	4	✓	50.0	52.4	104.8
p1 Cal 5-100ng	5	✓	100.0	100.1	100.1
p1 Cal 6-250ng	6	✓	250.0	221.1	88.4
p1 Cal 7-500ng	7	✗	500.0	369.7	73.9
p1 Cal 8-1000ng	8	✗	1000.0	559.5	55.9

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin

Last Cal. Update 9/21/2020 10:24 AM

Analyst Name ISP\datastor

Analyte Benzoylecgonine   **Internal Standard** Benzoylecgonine-d8

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

$y = 0.025760 * x + 0.007788$
$R^2 = 0.99899095$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.8
p1 Cal 2- 10ng	2	✓	10.0	9.5	95.1
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.5
p1 Cal 4-50ng	4	✓	50.0	50.5	101.1
p1 Cal 5-100ng	5	✓	100.0	99.4	99.4
p1 Cal 6-250ng	6	✓	250.0	249.1	99.6
p1 Cal 7-500ng	7	✓	500.0	504.8	101.0
p1 Cal 8-1000ng	8	✓	1000.0	1035.0	103.5

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin

Last Cal. Update   9/21/2020 10:24 AM

Analyst Name   ISP\datastor

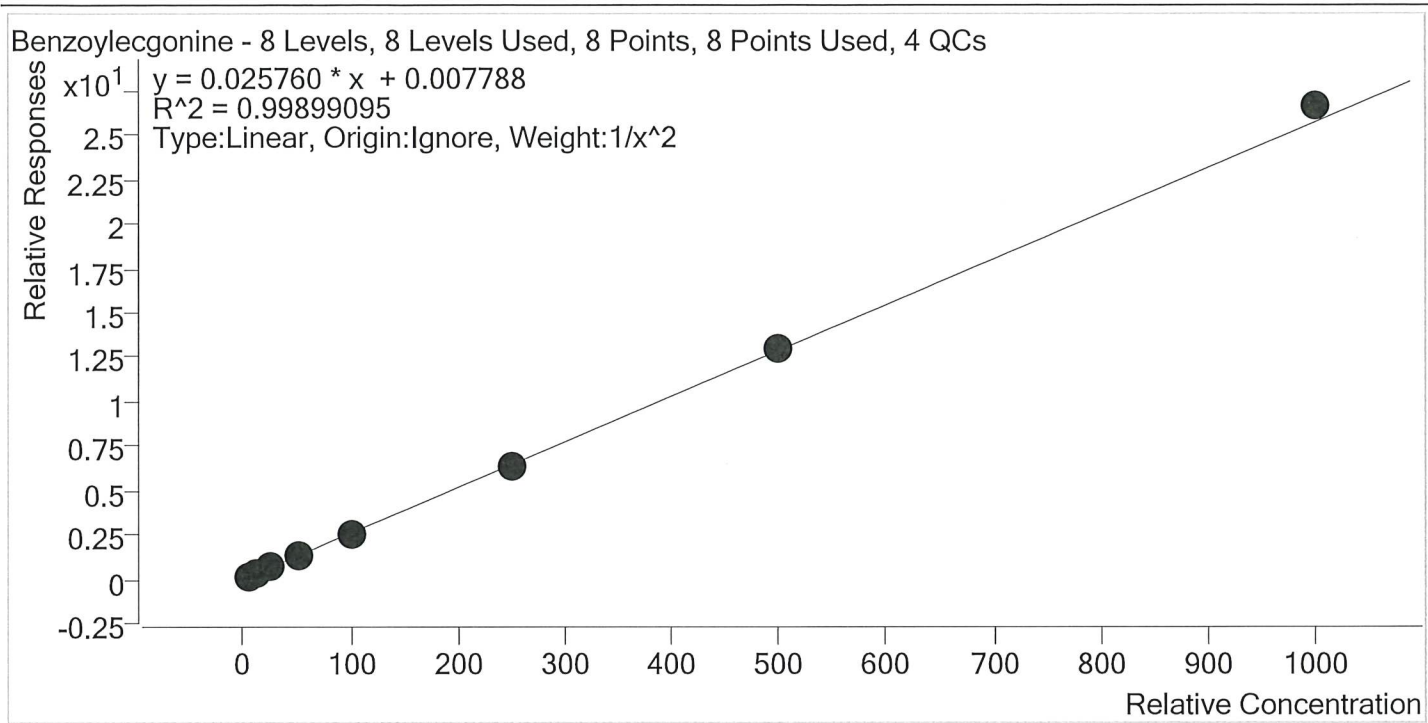**Analyte**   Buprenorphine   **Internal Standard**   Buprenorphine-D4
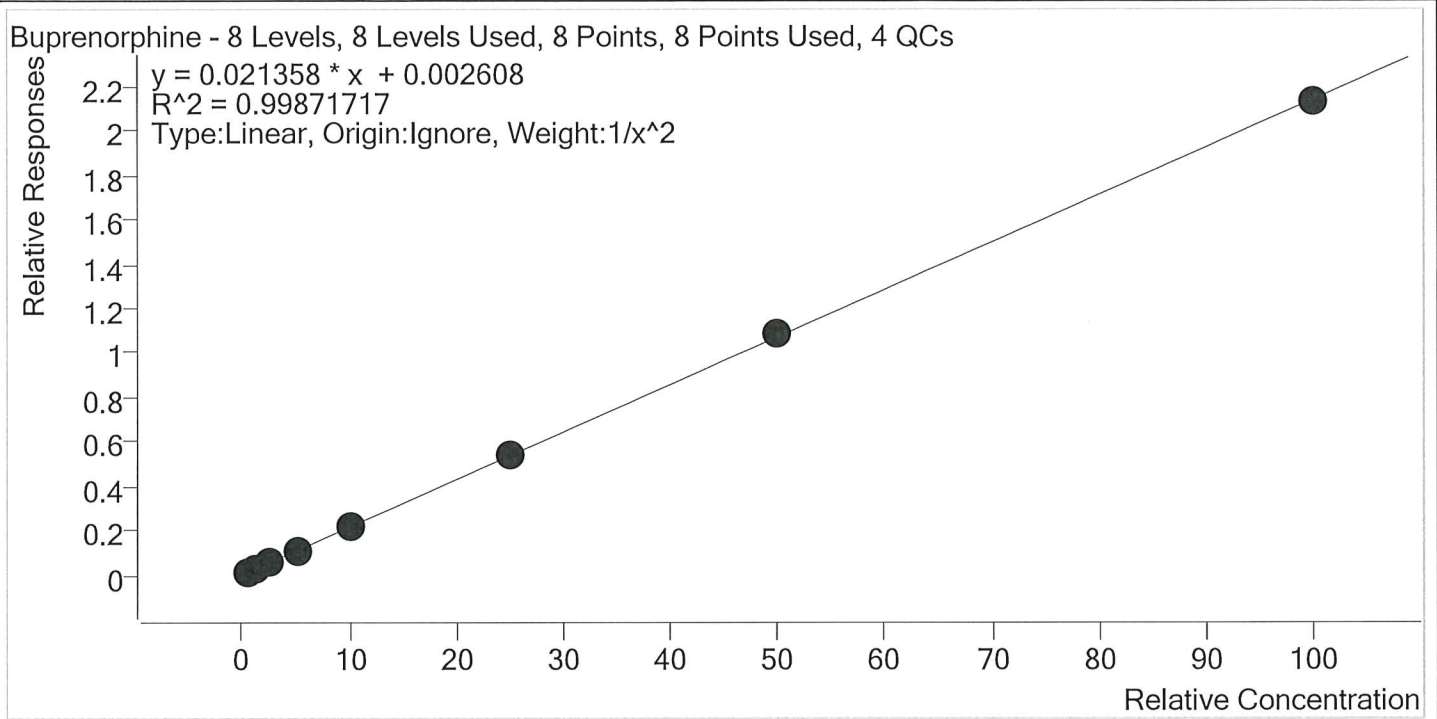
Buprenorphine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.021358 * x + 0.002608$
$R^2 = 0.99871717$
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	0.9	93.8
p1 Cal 3 -25ng	3	✓	2.5	2.6	103.6
p1 Cal 4-50ng	4	✓	5.0	4.9	97.6
p1 Cal 5-100ng	5	✓	10.0	10.2	101.7
p1 Cal 6-250ng	6	✓	25.0	25.0	100.0
p1 Cal 7-500ng	7	✓	50.0	50.6	101.2
p1 Cal 8-1000ng	8	✓	100.0	99.5	99.5

Batch results   D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin

Last Cal. Update   9/21/2020 10:24 AM

Analyst Name   ISP\datastor

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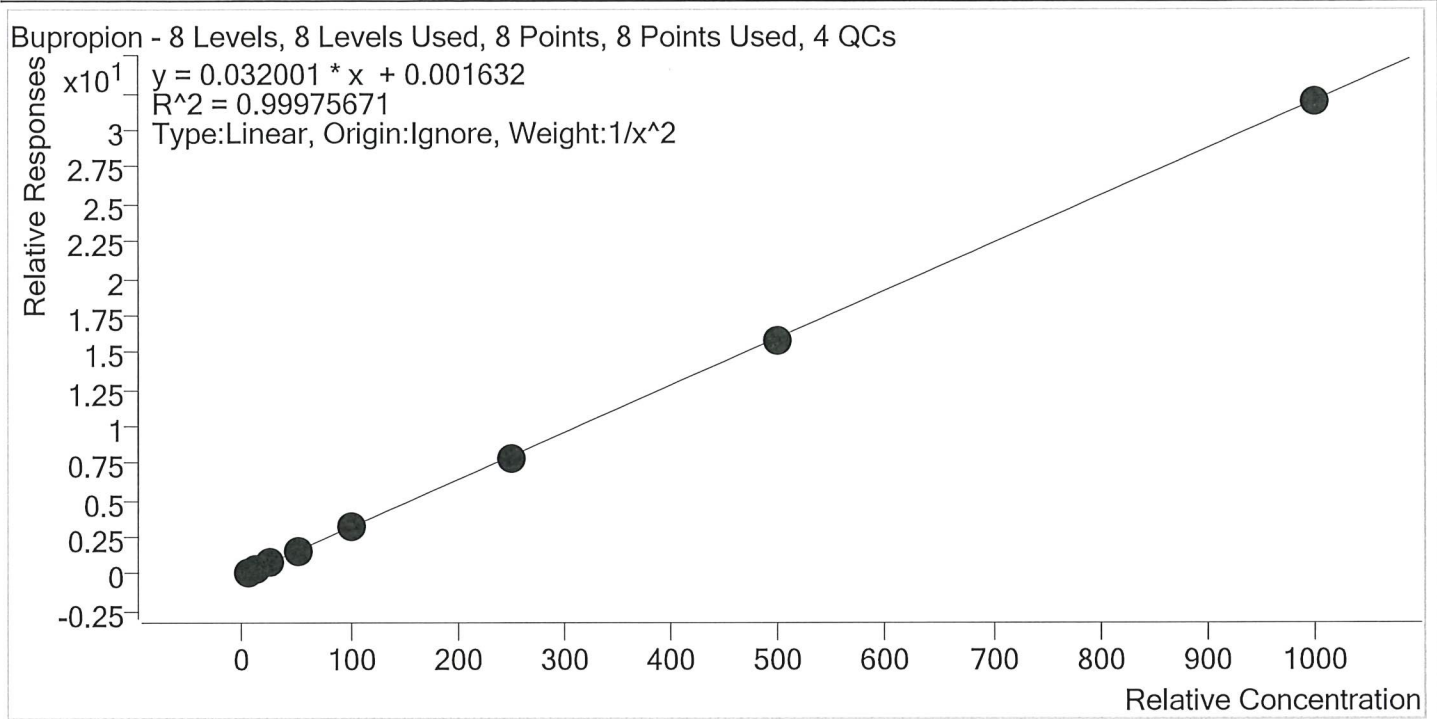
Bupropion - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.032001 * x + 0.001632$

$R^2 = 0.99975671$

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

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	99.0
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.1
p1 Cal 3 -25ng	3	✓	25.0	24.7	99.0
p1 Cal 4-50ng	4	✓	50.0	51.0	102.0
p1 Cal 5-100ng	5	✓	100.0	100.1	100.1
p1 Cal 6-250ng	6	✓	250.0	247.3	98.9
p1 Cal 7-500ng	7	✓	500.0	495.5	99.1
p1 Cal 8-1000ng	8	✓	1000.0	997.2	99.7

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin

Last Cal. Update   9/21/2020 10:24 AM

Analyst Name   ISP\datastor

Analyte   Carisoprodol   **Internal Standard**   Carisoprodol-D7

Carisoprodol - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs
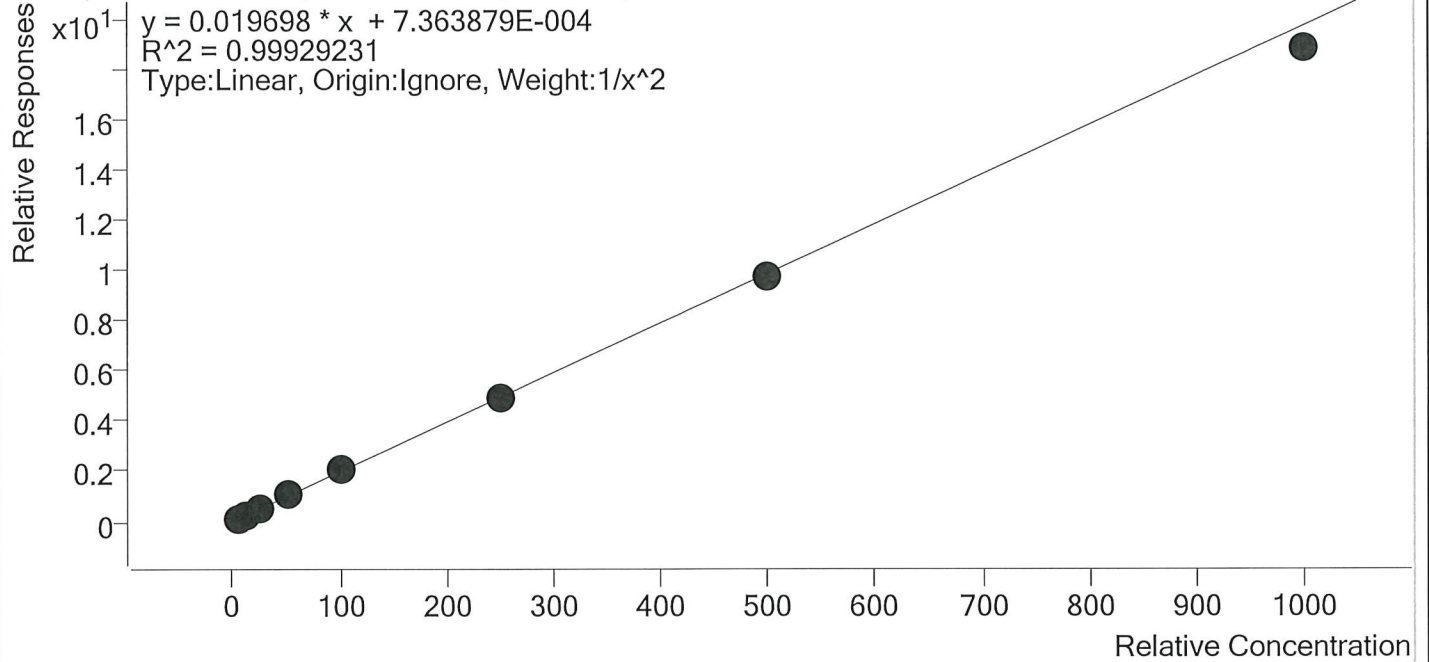
$y = 0.019698 * x + 7.363879E\text{-}004$
$R^2 = 0.99929231$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.4
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.5
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.1
p1 Cal 4-50ng	4	✓	50.0	50.7	101.4
p1 Cal 5-100ng	5	✓	100.0	101.9	101.9
p1 Cal 6-250ng	6	✓	250.0	250.4	100.1
p1 Cal 7-500ng	7	✓	500.0	496.0	99.2
p1 Cal 8-1000ng	8	✓	1000.0	953.9	95.4

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin

Last Cal. Update   9/21/2020 10:24 AM

Analyst Name   ISP\datastor

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

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

$y = 0.022512 * x - 0.006155$

$R^2 = 0.99995497$

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

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	105.0
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.3
p1 Cal 4-50ng	4	✓	50.0	48.9	97.8
p1 Cal 5-100ng	5	✓	100.0	99.7	99.7
p1 Cal 6-250ng	6	✓	250.0	251.1	100.4
p1 Cal 7-500ng	7	✓	500.0	497.8	99.6
p1 Cal 8-1000ng	8	✓	1000.0	1003.0	100.3

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin
Last Cal. Update	9/21/2020 10:24 AM
Analyst Name	ISP\datastor
Analyte	Clonazepam

Internal Standard Clonazepam-D4

Clonazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs
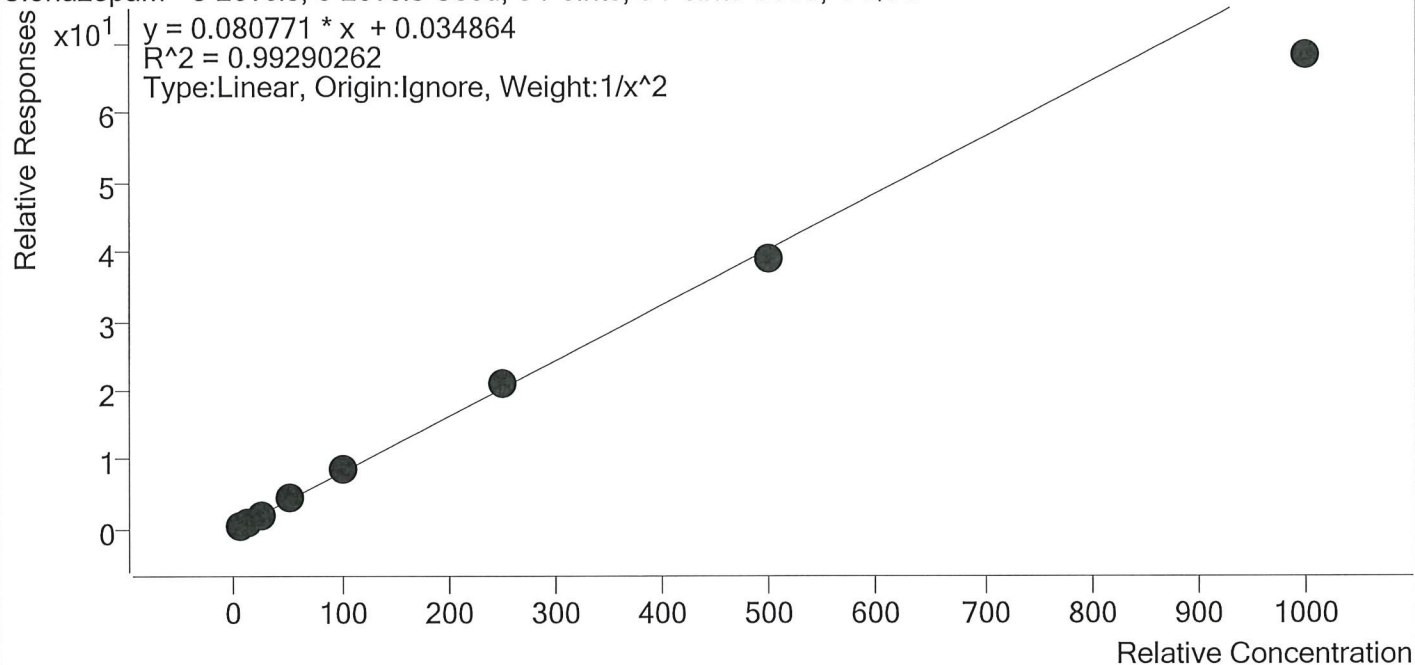
$y = 0.080771 * x + 0.034864$
$R^2 = 0.99290262$
Type:Linear, Origin:Ignore, Weight:1/x^2

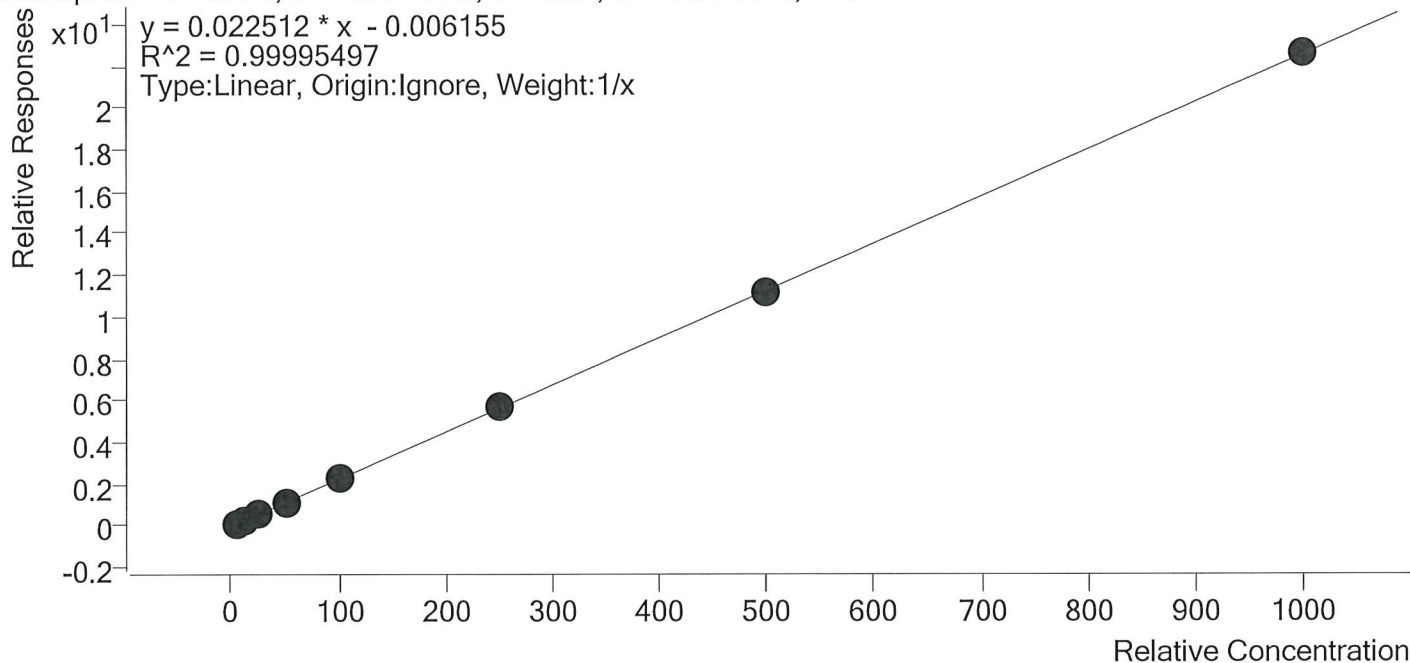| Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.9
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	26.0	103.8
p1 Cal 4-50ng	4	✓	50.0	54.0	108.1
p1 Cal 5-100ng	5	✓	100.0	104.2	104.2
p1 Cal 6-250ng	6	✓	250.0	261.6	104.7
p1 Cal 7-500ng	7	✓	500.0	480.3	96.1
p1 Cal 8-1000ng	8	✓	1000.0	846.0	84.6

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin

Last Cal. Update   9/21/2020 10:24 AM

Analyst Name   ISP\datastor

Analyte   Cocaine   **Internal Standard**   Cocaine-d3

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

$y = 0.014206 * x - 0.001943$
$R^2 = 0.99985470$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.9
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.4
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.9
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	248.4	99.4
p1 Cal 7-500ng	7	✓	500.0	493.8	98.8
p1 Cal 8-1000ng	8	✓	1000.0	1009.8	101.0

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

Batch results   D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin

Last Cal. Update   9/21/2020 10:24 AM

Analyst Name   ISP\datastor

Analyte   Codeine   **Internal Standard**   Codeine-D6

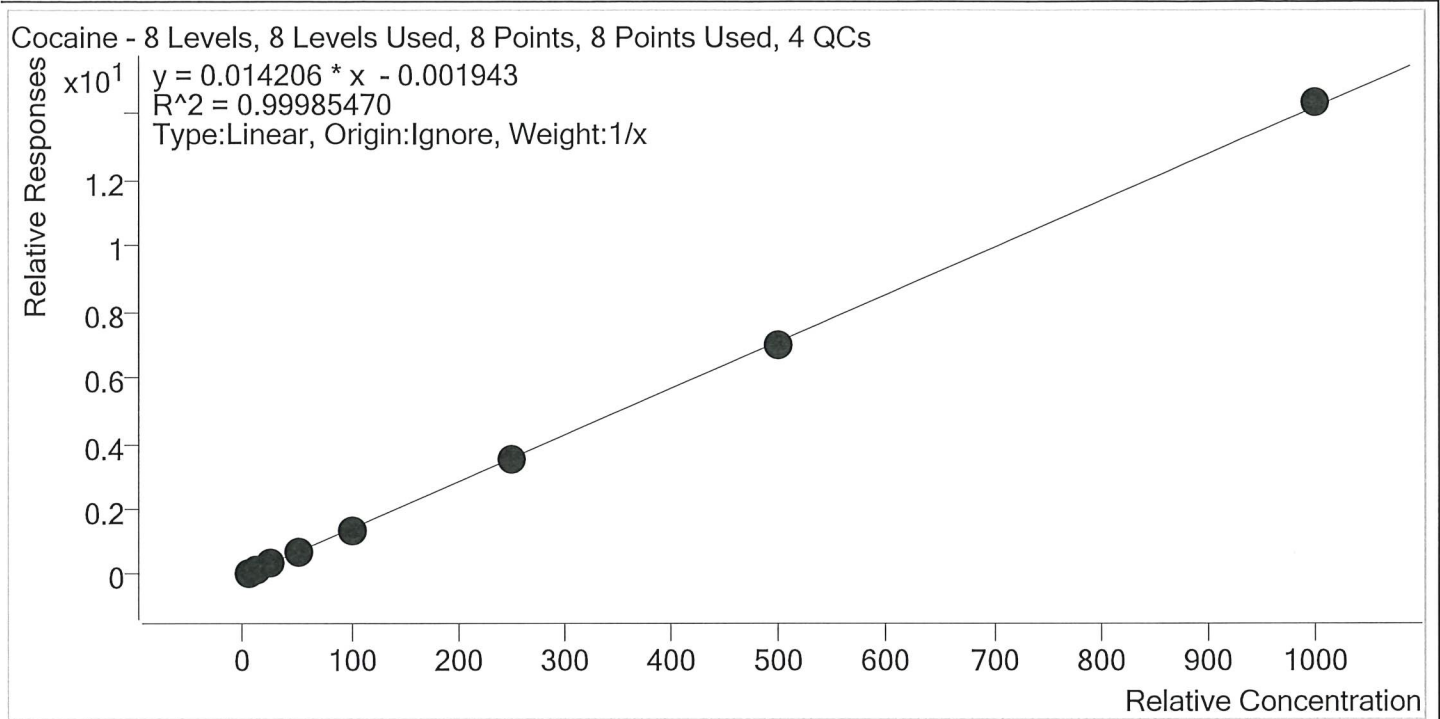Codeine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.023112 * x - 0.005164$

$R^2 = 0.99919157$

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

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.8
p1 Cal 2- 10ng	2	✓	10.0	9.8	97.7
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.6
p1 Cal 4-50ng	4	✓	50.0	49.2	98.4
p1 Cal 5-100ng	5	✓	100.0	98.0	98.0
p1 Cal 6-250ng	6	✓	250.0	252.5	101.0
p1 Cal 7-500ng	7	✓	500.0	504.8	101.0
p1 Cal 8-1000ng	8	✓	1000.0	1044.7	104.5

Batch results   D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin

Last Cal. Update   9/21/2020 10:24 AM

Analyst Name   ISP\datastor

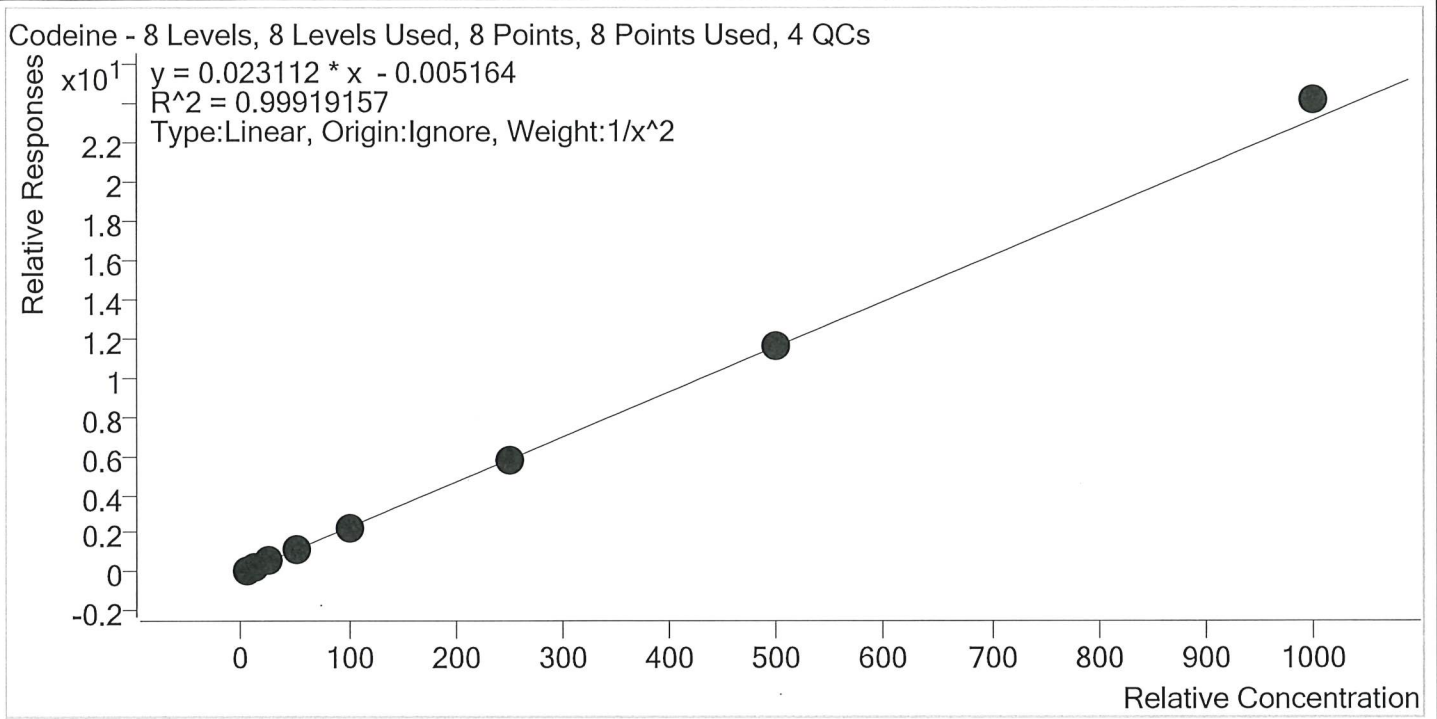**Analyte**   Cyclobenzaprine   **Internal Standard**   Cyclobenzaprine-D3
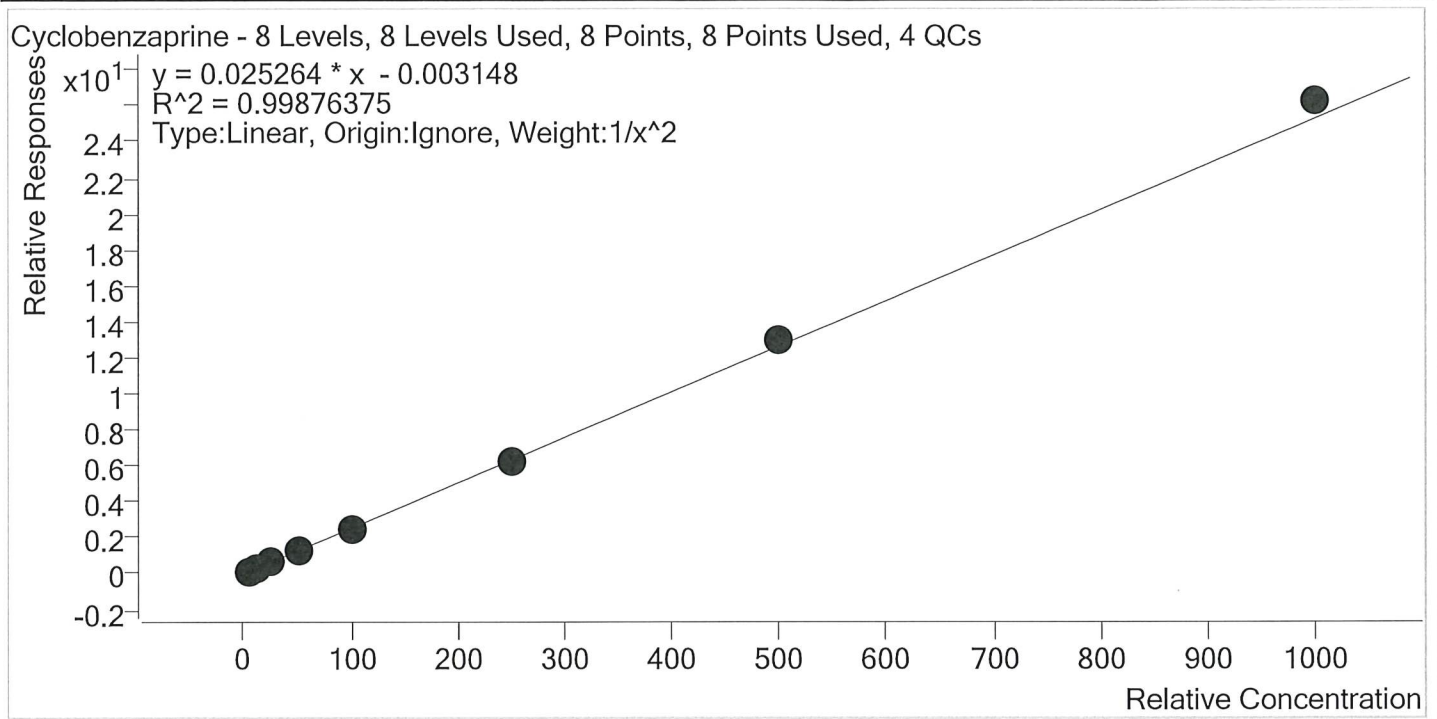
Cyclobenzaprine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.025264 * x - 0.003148$
$R^2 = 0.99876375$
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	100.8
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.0
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.2
p1 Cal 4-50ng	4	✓	50.0	48.0	96.0
p1 Cal 5-100ng	5	✓	100.0	100.3	100.3
p1 Cal 6-250ng	6	✓	250.0	249.3	99.7
p1 Cal 7-500ng	7	✓	500.0	515.7	103.1
p1 Cal 8-1000ng	8	✓	1000.0	1038.6	103.9

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin

Last Cal. Update   9/21/2020 10:24 AM

Analyst Name   ISP\datastor

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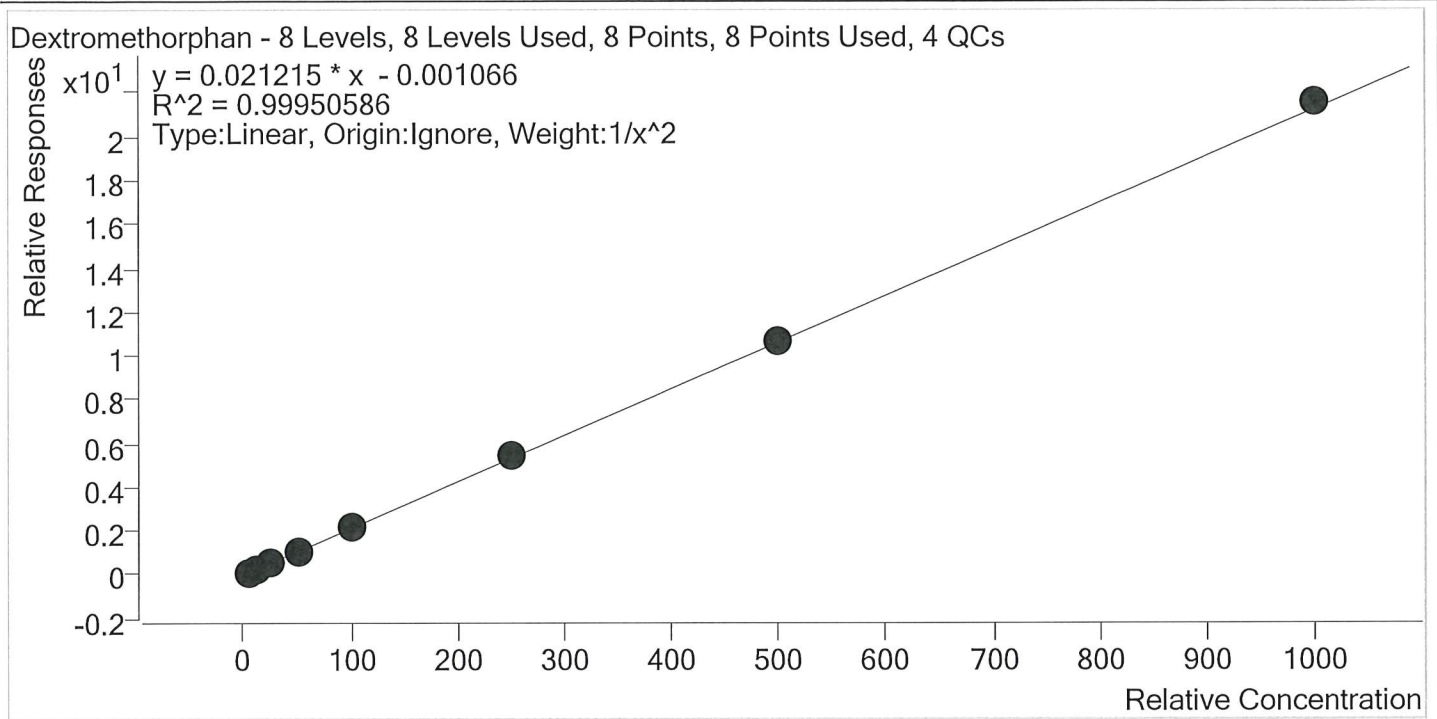
Dextromethorphan - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.021215 * x - 0.001066$
$R^2 = 0.99950586$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.6
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.6
p1 Cal 4-50ng	4	✓	50.0	49.8	99.6
p1 Cal 5-100ng	5	✓	100.0	99.7	99.7
p1 Cal 6-250ng	6	✓	250.0	253.8	101.5
p1 Cal 7-500ng	7	✓	500.0	504.1	100.8
p1 Cal 8-1000ng	8	✓	1000.0	1015.6	101.6

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin

Last Cal. Update 9/21/2020 10:24 AM

Analyst Name ISP\datastor

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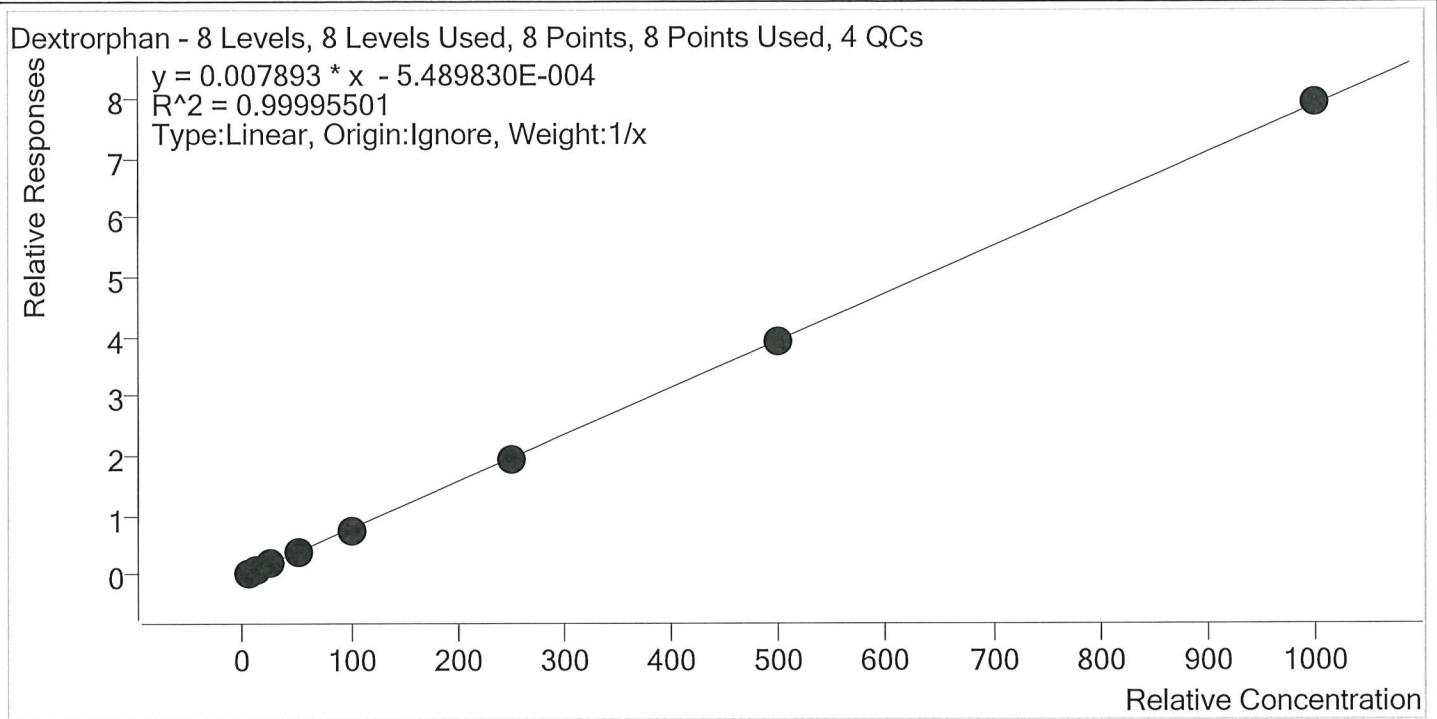
Dextrorphan - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.007893 * x - 5.489830E{-}004$
$R^2 = 0.99995501$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.1
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.0
p1 Cal 4-50ng	4	✓	50.0	50.1	100.2
p1 Cal 5-100ng	5	✓	100.0	98.1	98.1
p1 Cal 6-250ng	6	✓	250.0	248.8	99.5
p1 Cal 7-500ng	7	✓	500.0	497.8	99.6
p1 Cal 8-1000ng	8	✓	1000.0	1005.1	100.5

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin

Last Cal. Update 9/21/2020 10:24 AM

Analyst Name ISP\datastor

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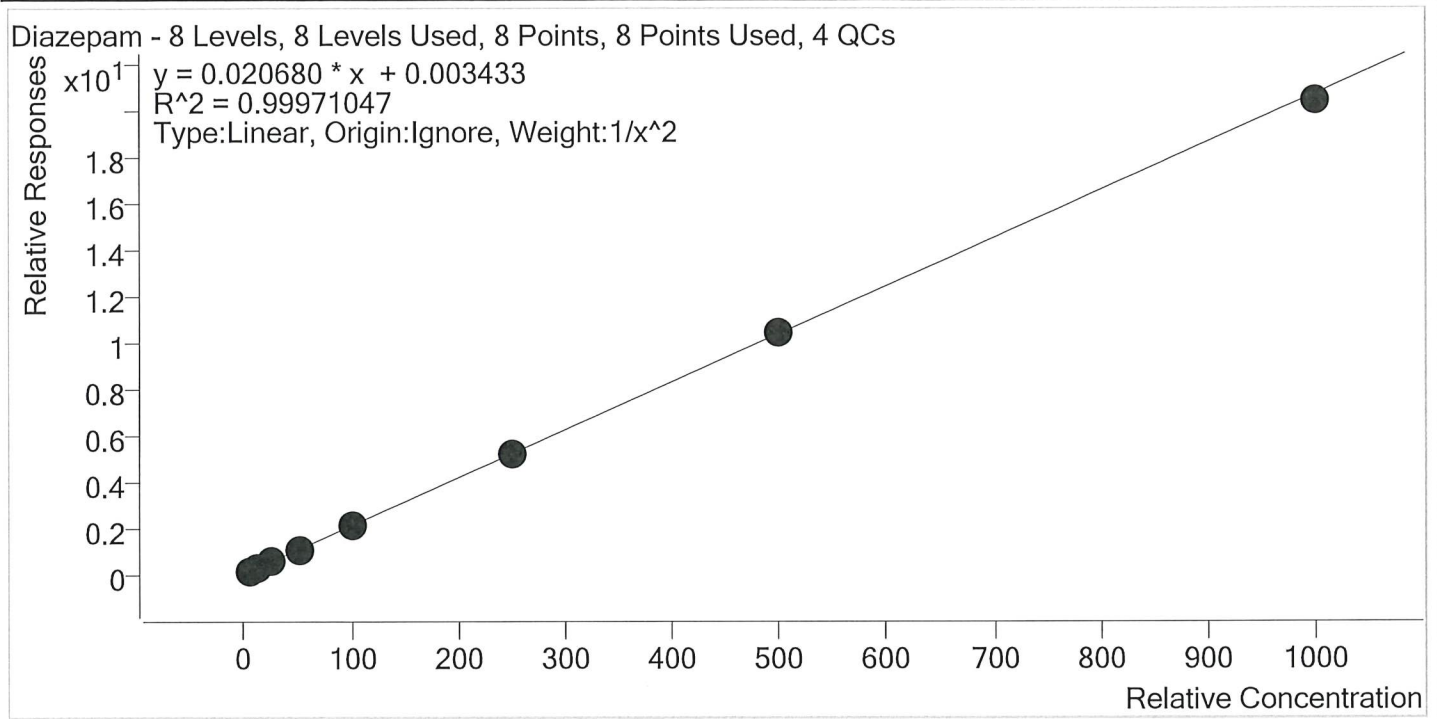
Diazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.020680 * x + 0.003433$

$R^2 = 0.99971047$

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

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.3
p1 Cal 2- 10ng	2	✓	10.0	9.7	97.1
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.2
p1 Cal 4-50ng	4	✓	50.0	50.4	100.7
p1 Cal 5-100ng	5	✓	100.0	101.1	101.1
p1 Cal 6-250ng	6	✓	250.0	252.9	101.2
p1 Cal 7-500ng	7	✓	500.0	499.5	99.9
p1 Cal 8-1000ng	8	✓	1000.0	985.4	98.5

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin
Last Cal. Update	9/21/2020 10:24 AM
Analyst Name	ISP\datastor
Analyte	Dihydrocodeine	**Internal Standard**	Dihydrocodeine-D6
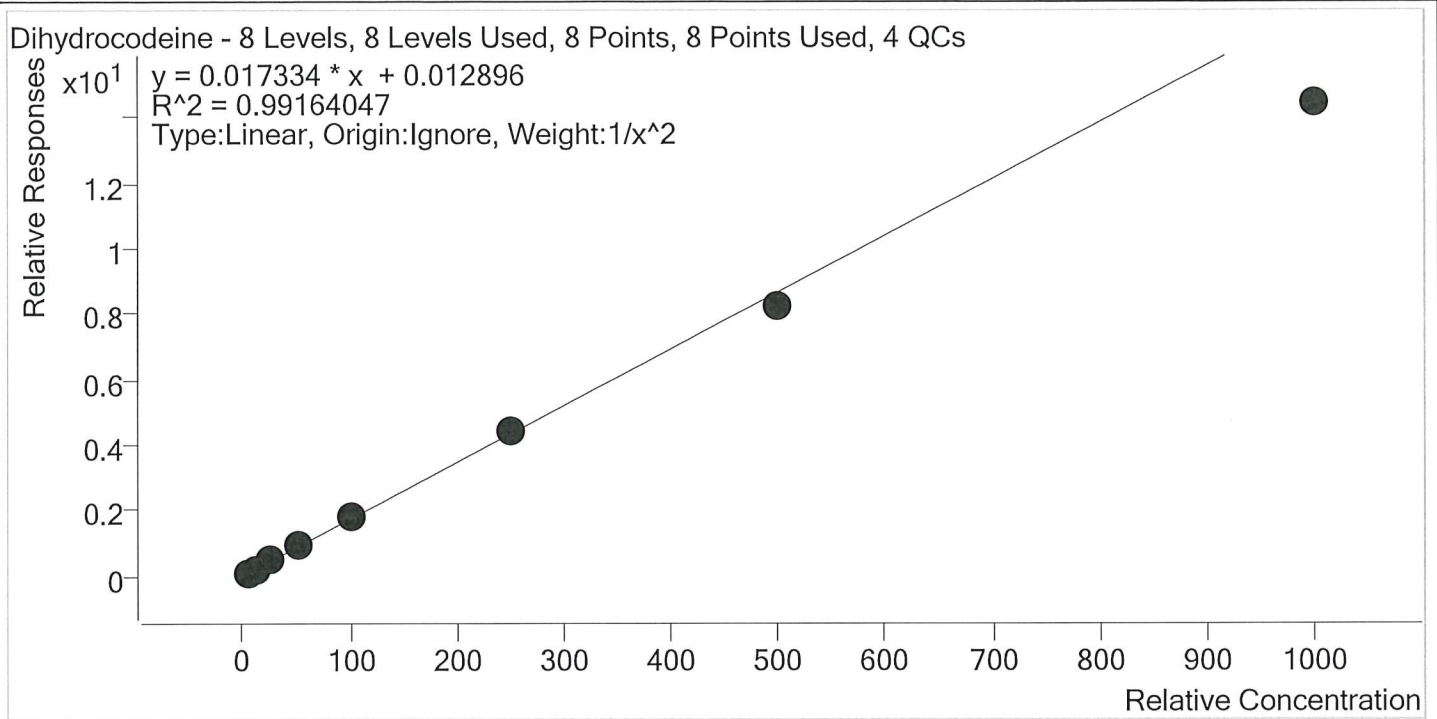
Dihydrocodeine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.017334 * x + 0.012896$
$R^2 = 0.99164047$
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	10.1	100.9
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.2
p1 Cal 4-50ng	4	✓	50.0	54.3	108.5
p1 Cal 5-100ng	5	✓	100.0	105.8	105.8
p1 Cal 6-250ng	6	✓	250.0	257.7	103.1
p1 Cal 7-500ng	7	✓	500.0	478.5	95.7
p1 Cal 8-1000ng	8	✓	1000.0	833.9	83.4

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin
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Analyst Name	ISP\datastor
Analyte	Diphenhydramine

Internal Standard Diphenhydramine-D3

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

$y = 0.012381 * x - 0.003305$
$R^2 = 0.99983262$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	106.1
p1 Cal 2- 10ng	2	✓	10.0	9.8	97.6
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.1
p1 Cal 4-50ng	4	✓	50.0	50.1	100.1
p1 Cal 5-100ng	5	✓	100.0	98.1	98.1
p1 Cal 6-250ng	6	✓	250.0	248.6	99.4
p1 Cal 7-500ng	7	✓	500.0	492.7	98.5
p1 Cal 8-1000ng	8	✓	1000.0	1010.8	101.1

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin
Last Cal. Update	9/21/2020 10:24 AM
Analyst Name	ISP\datastor
Analyte	Doxylamine	**Internal Standard**	Doxylamine-D5

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

$y = 0.024384 * x + 0.002549$
$R^2 = 0.99988310$
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	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.7
p1 Cal 4-50ng	4	✓	50.0	50.3	100.5
p1 Cal 5-100ng	5	✓	100.0	99.1	99.1
p1 Cal 6-250ng	6	✓	250.0	249.2	99.7
p1 Cal 7-500ng	7	✓	500.0	509.0	101.8
p1 Cal 8-1000ng	8	✓	1000.0	988.9	98.9

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin

Last Cal. Update 9/21/2020 10:24 AM

Analyst Name ISP\datastor
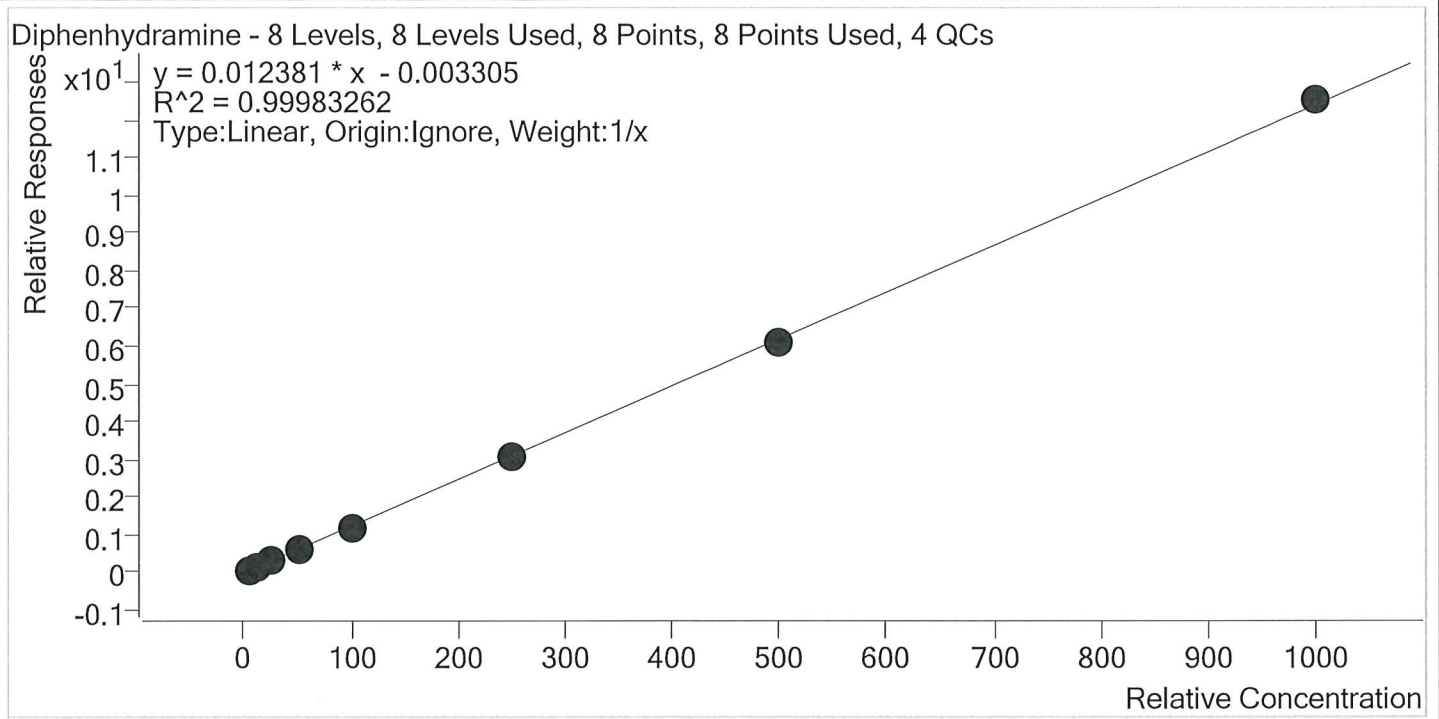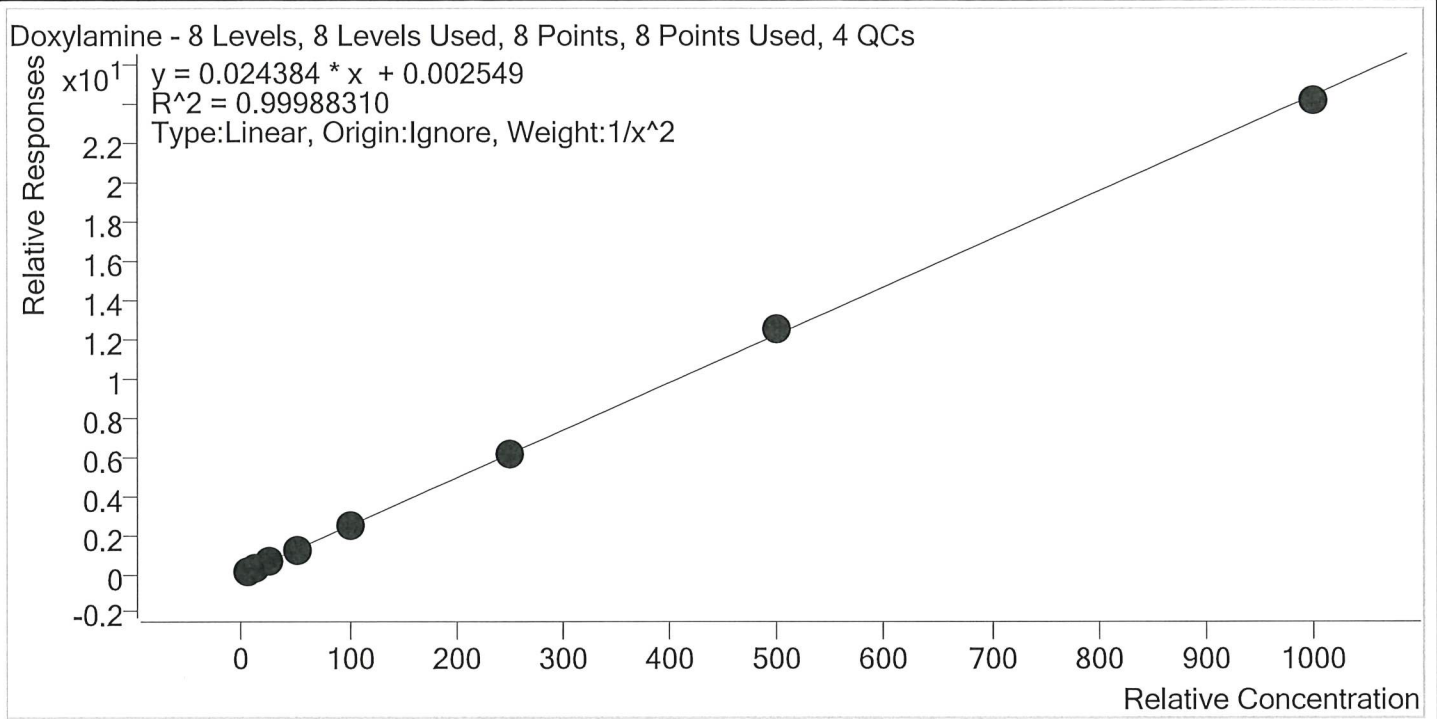
Analyte EDDP **Internal Standard** EDDP-D3
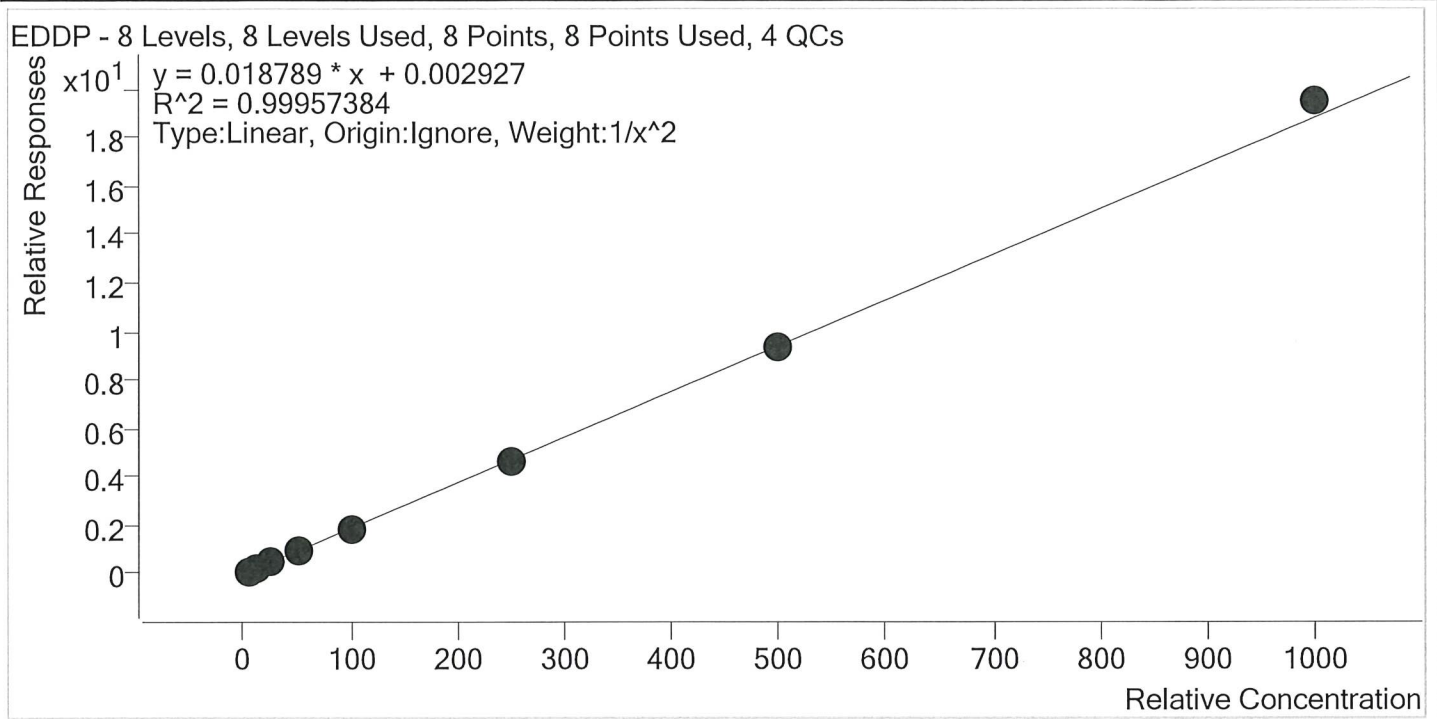
EDDP - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.018789 * x + 0.002927$
$R^2 = 0.99957384$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.3
p1 Cal 2- 10ng	2	✓	10.0	9.8	97.7
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.5
p1 Cal 4-50ng	4	✓	50.0	50.0	100.1
p1 Cal 5-100ng	5	✓	100.0	99.3	99.3
p1 Cal 6-250ng	6	✓	250.0	249.8	99.9
p1 Cal 7-500ng	7	✓	500.0	493.2	98.6
p1 Cal 8-1000ng	8	✓	1000.0	1036.1	103.6

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin
Last Cal. Update	9/21/2020 10:24 AM
Analyst Name	ISP\datastor
Analyte	Fentanyl	**Internal Standard**	Fentanyl-D5
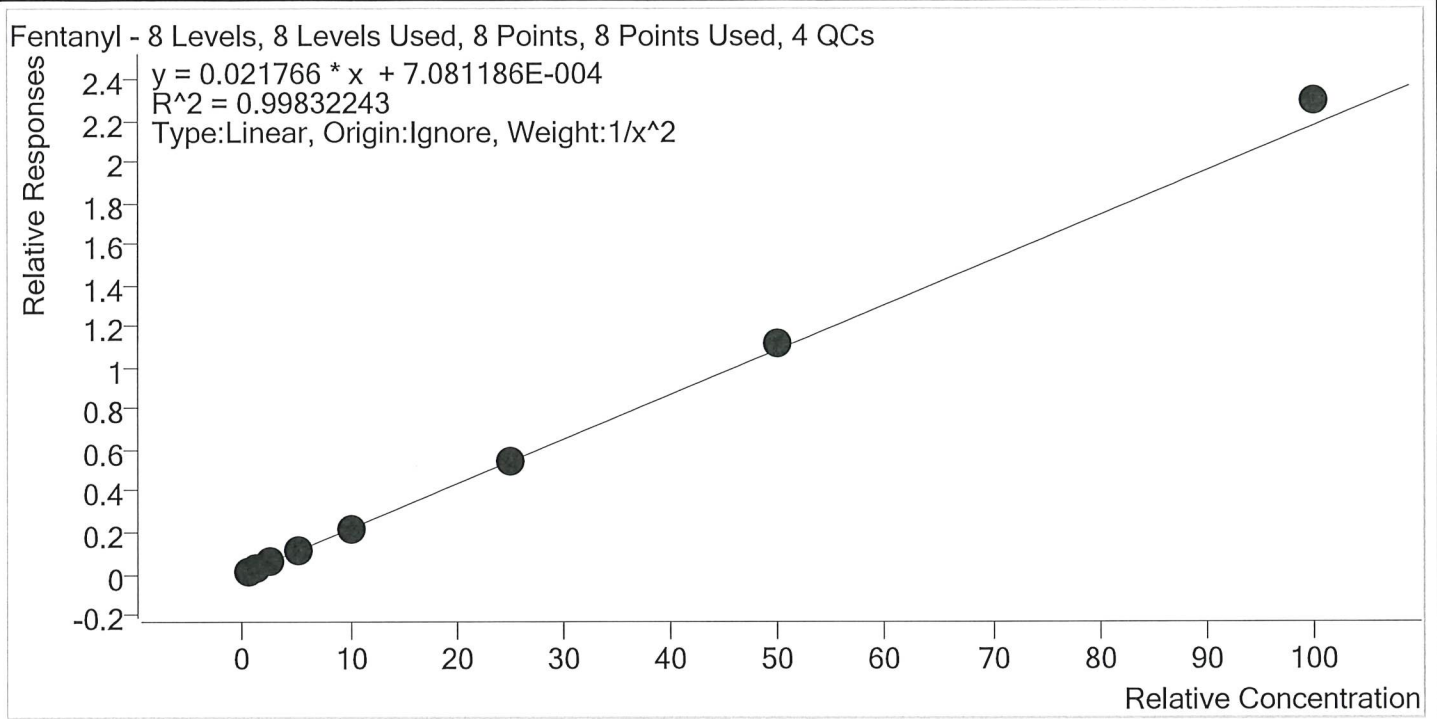
Fentanyl - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.021766 * x + 7.081186E\text{-}004$
$R^2 = 0.99832243$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	100.4
p1 Cal 2- 10ng	2	✓	1.0	1.0	101.7
p1 Cal 3 -25ng	3	✓	2.5	2.4	95.1
p1 Cal 4-50ng	4	✓	5.0	4.9	98.4
p1 Cal 5-100ng	5	✓	10.0	9.5	95.4
p1 Cal 6-250ng	6	✓	25.0	25.2	100.7
p1 Cal 7-500ng	7	✓	50.0	51.4	102.7
p1 Cal 8-1000ng	8	✓	100.0	105.5	105.5

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin
Last Cal. Update	9/21/2020 10:24 AM
Analyst Name	ISP\datastor
Analyte	Fluoxetine

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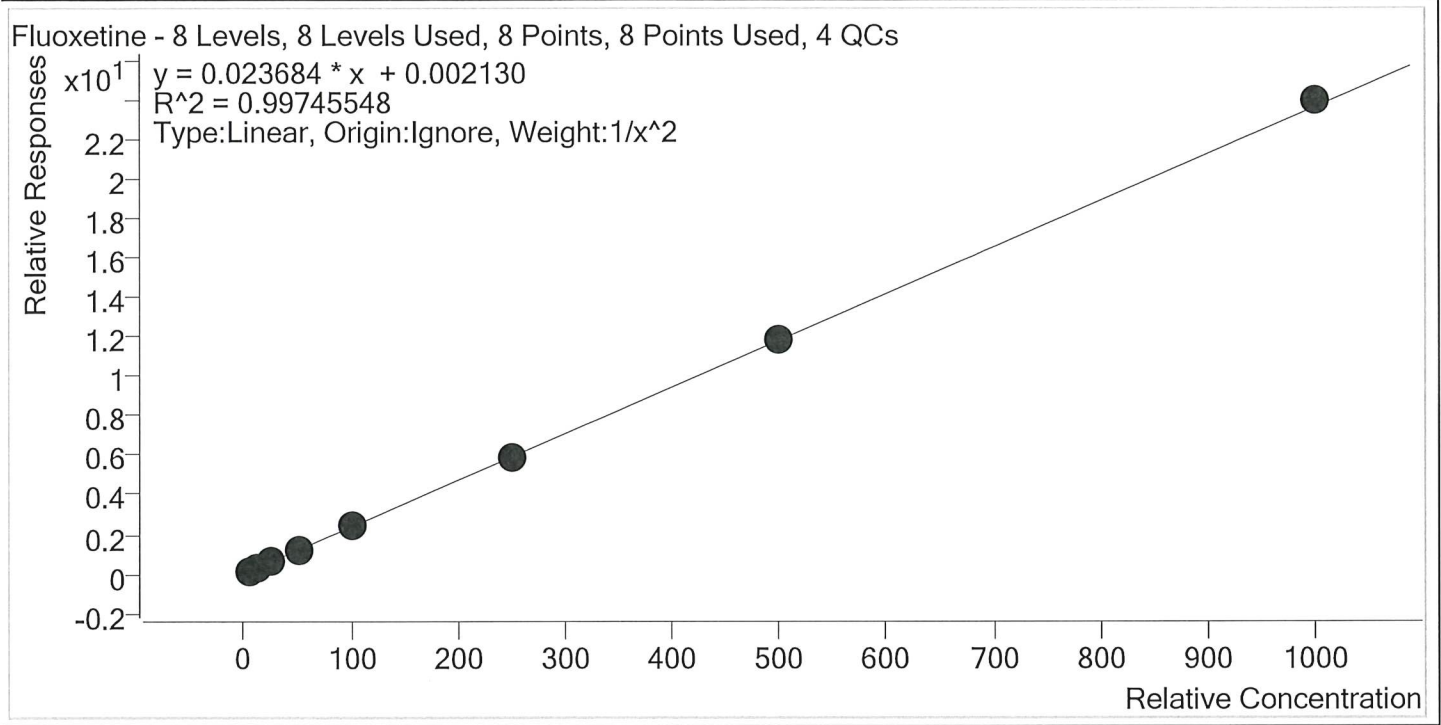
Fluoxetine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.023684 * x + 0.002130$

$R^2 = 0.99745548$

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

(Y-axis: Relative Responses, ×10¹; X-axis: Relative Concentration)

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.6
p1 Cal 2- 10ng	2	✓	10.0	9.2	92.0
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.9
p1 Cal 4-50ng	4	✓	50.0	50.8	101.6
p1 Cal 5-100ng	5	✓	100.0	104.2	104.2
p1 Cal 6-250ng	6	✓	250.0	252.7	101.1
p1 Cal 7-500ng	7	✓	500.0	500.8	100.2
p1 Cal 8-1000ng	8	✓	1000.0	1014.1	101.4

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin
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Analyst Name	ISP\datastor
Analyte	Hydrocodone

Internal Standard   Hydrocodone-D6

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

$y = 0.014782 * x + 0.014052$
$R^2 = 0.99181726$
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	93.7
p1 Cal 2- 10ng	2	✓	10.0	10.8	107.8
p1 Cal 3 -25ng	3	✓	25.0	27.2	108.7
p1 Cal 4-50ng	4	✓	50.0	53.2	106.4
p1 Cal 5-100ng	5	✓	100.0	102.5	102.5
p1 Cal 6-250ng	6	✓	250.0	250.7	100.3
p1 Cal 7-500ng	7	✓	500.0	469.1	93.8
p1 Cal 8-1000ng	8	✓	1000.0	868.1	86.8

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Batch results   D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin

Last Cal. Update   9/21/2020 10:24 AM

Analyst Name   ISP\datastor

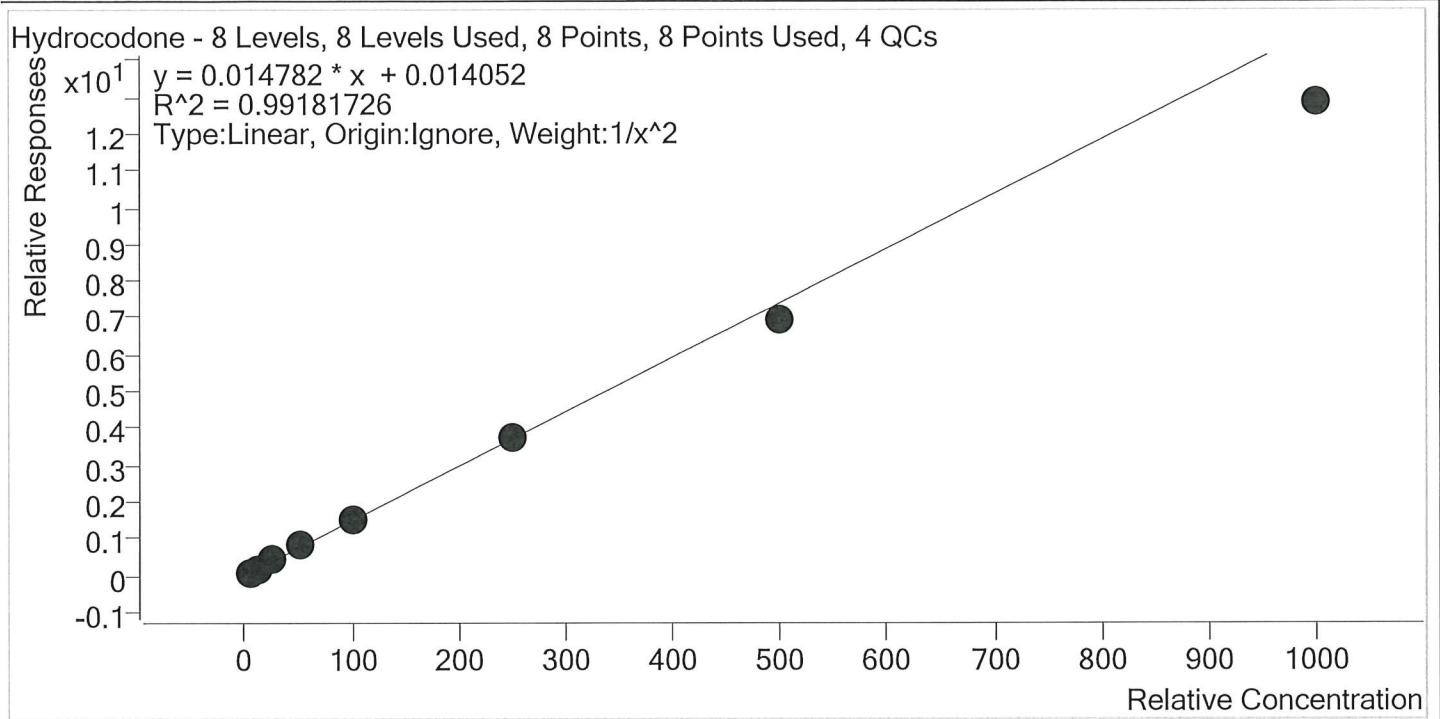**Analyte**   Hydromorphone   **Internal Standard**   Hydromorphone-D6

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

$y = 0.031236 * x + 0.001270$
$R^2 = 0.99917768$
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	100.1
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.2
p1 Cal 4-50ng	4	✓	50.0	48.7	97.5
p1 Cal 5-100ng	5	✓	100.0	99.1	99.1
p1 Cal 6-250ng	6	✓	250.0	262.5	105.0
p1 Cal 7-500ng	7	✓	500.0	491.0	98.2
p1 Cal 8-1000ng	8	✓	1000.0	982.0	98.2

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin

Last Cal. Update   9/21/2020 10:24 AM

Analyst Name   ISP\datastor

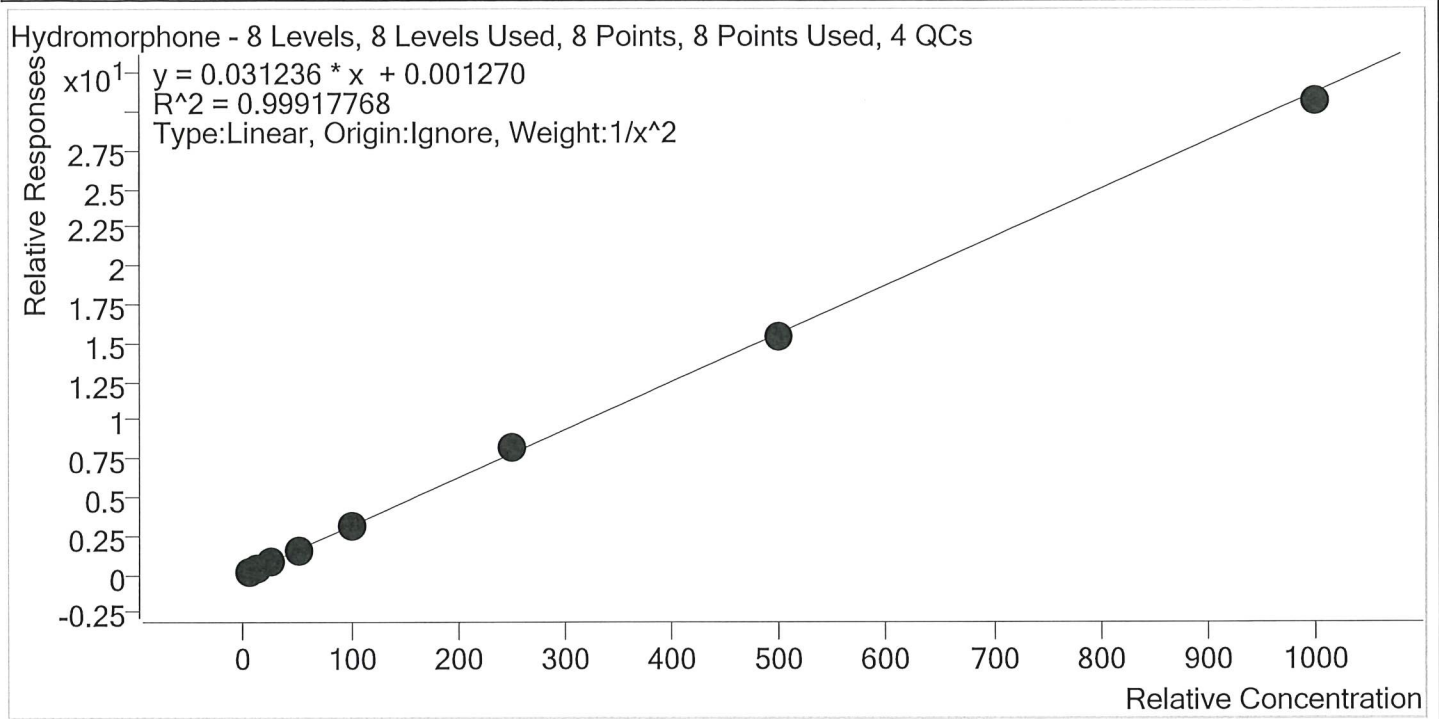**Analyte**   Ketamine   **Internal Standard**   Ketamine-D4

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

$y = 0.021982 * x + 0.008205$
$R^2 = 0.99838140$
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	10.1	101.5
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.5
p1 Cal 4-50ng	4	✓	50.0	52.1	104.3
p1 Cal 5-100ng	5	✓	100.0	102.3	102.3
p1 Cal 6-250ng	6	✓	250.0	253.6	101.4
p1 Cal 7-500ng	7	✓	500.0	486.2	97.2
p1 Cal 8-1000ng	8	✓	1000.0	932.7	93.3

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin

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Analyst Name ISP\datastor

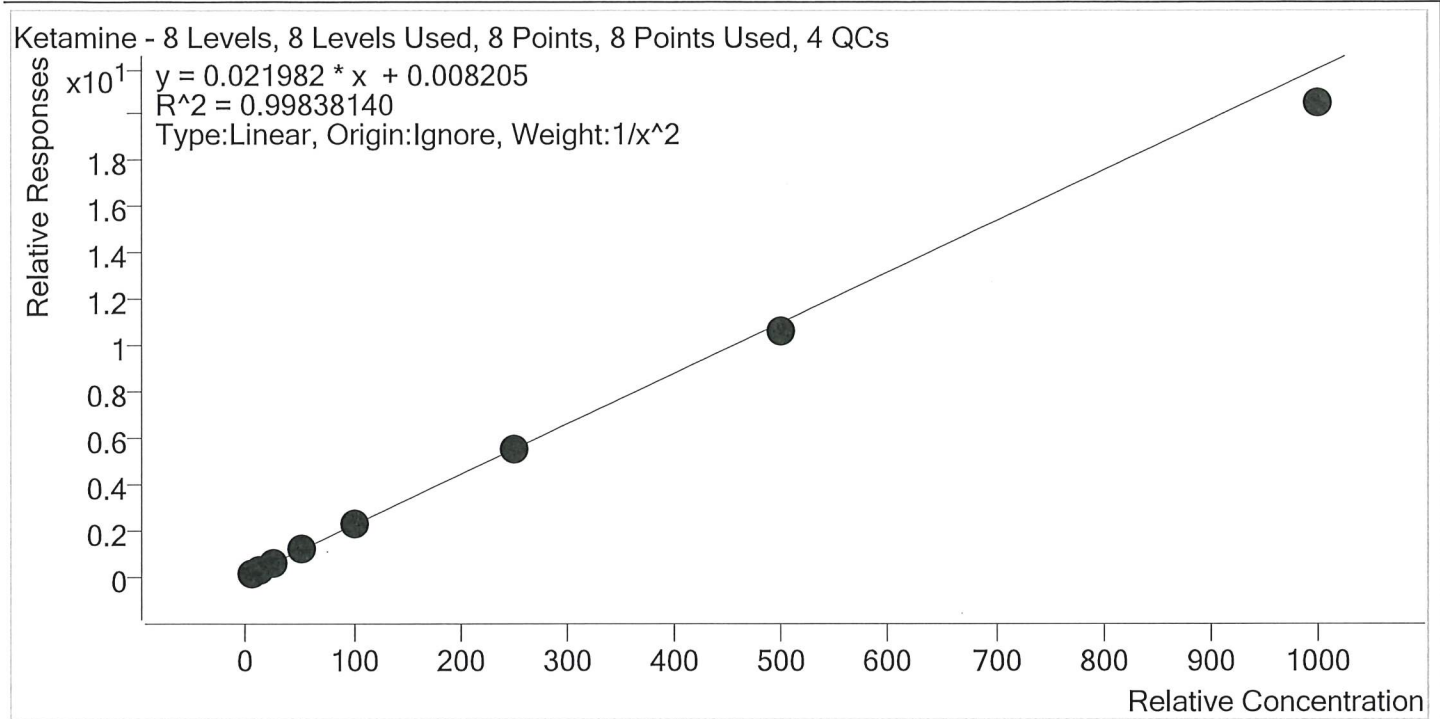**Analyte** Lamotrigine   **Internal Standard** Ketamine-D4

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

$y = 0.001989 * x + 6.616564E\text{-}004$

$R^2 = 0.99477127$

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	10.2	102.4
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.3
p1 Cal 4-50ng	4	✓	50.0	52.7	105.3
p1 Cal 5-100ng	5	✓	100.0	101.1	101.1
p1 Cal 6-250ng	6	✓	250.0	223.2	89.3
p1 Cal 7-500ng	7	✗	500.0	359.5	71.9
p1 Cal 8-1000ng	8	✗	1000.0	512.9	51.3

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin

Last Cal. Update   9/21/2020 10:24 AM

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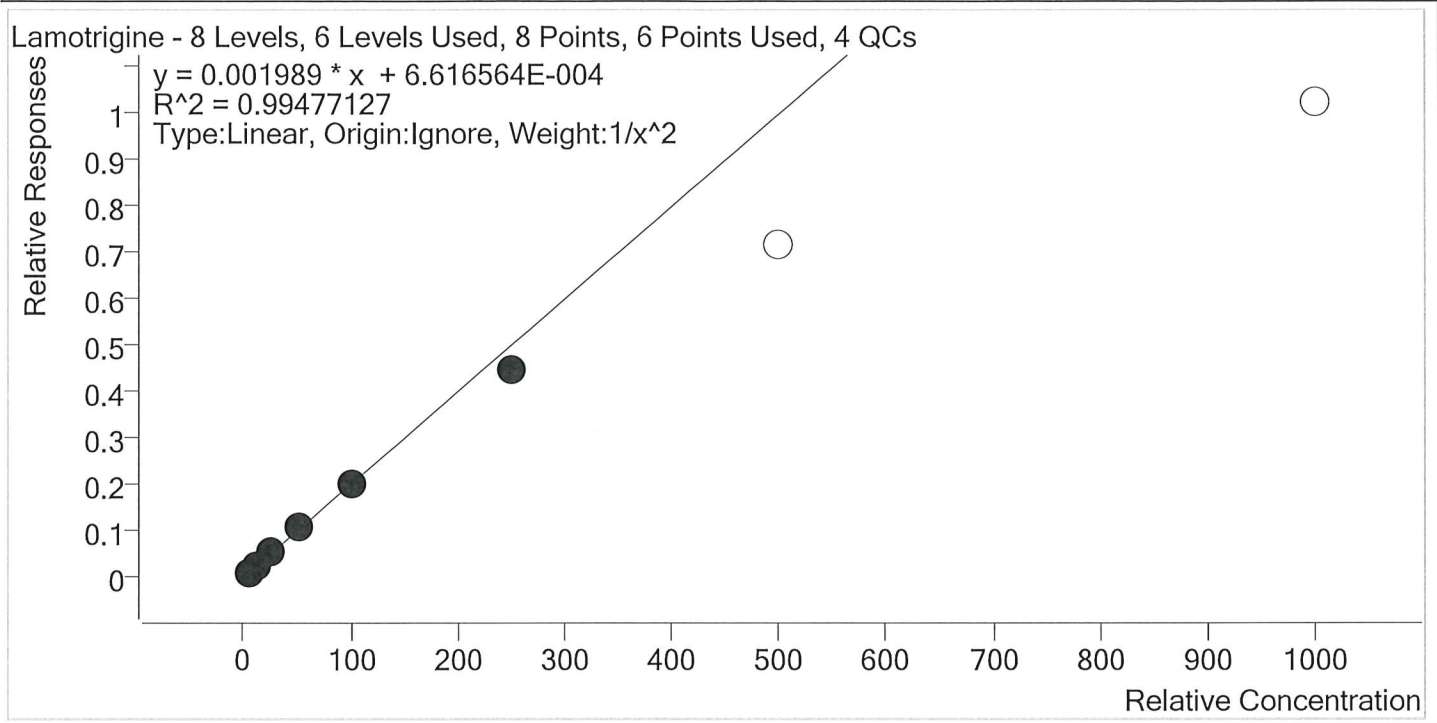
Analyte   Lorazepam   **Internal Standard**   Clonazepam-D4

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

$y = 0.062447 * x + 0.050248$

$R^2 = 0.99756380$

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	101.1
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.3
p1 Cal 4-50ng	4	✓	50.0	51.8	103.7
p1 Cal 5-100ng	5	✓	100.0	94.0	94.0
p1 Cal 6-250ng	6	✗	250.0	176.4	70.6
p1 Cal 7-500ng	7	✗	500.0	254.8	51.0
p1 Cal 8-1000ng	8	✗	1000.0	322.9	32.3

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin

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Analyst Name ISP\datastor

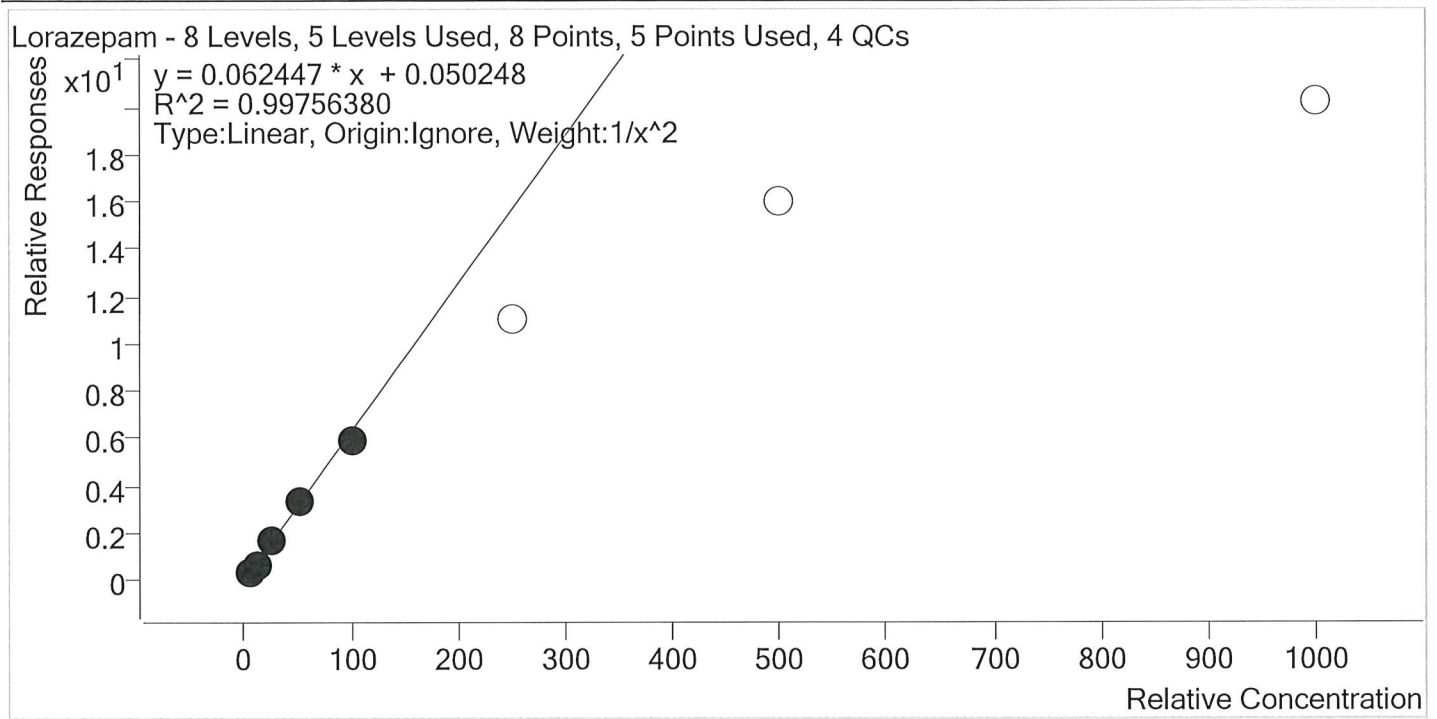**Analyte** Meprobamate **Internal Standard** Meprobamate-D7

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

$y = 0.017583 * x + 0.009770$

$R^2 = 0.99549099$

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	97.7
p1 Cal 2- 10ng	2	✓	10.0	10.3	103.1
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.6
p1 Cal 4-50ng	4	✓	50.0	52.7	105.4
p1 Cal 5-100ng	5	✓	100.0	102.1	102.1
p1 Cal 6-250ng	6	✓	250.0	225.2	90.1
p1 Cal 7-500ng	7	✗	500.0	350.8	70.2
p1 Cal 8-1000ng	8	✗	1000.0	482.5	48.3

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin

Last Cal. Update 9/21/2020 10:24 AM

Analyst Name ISP\datastor

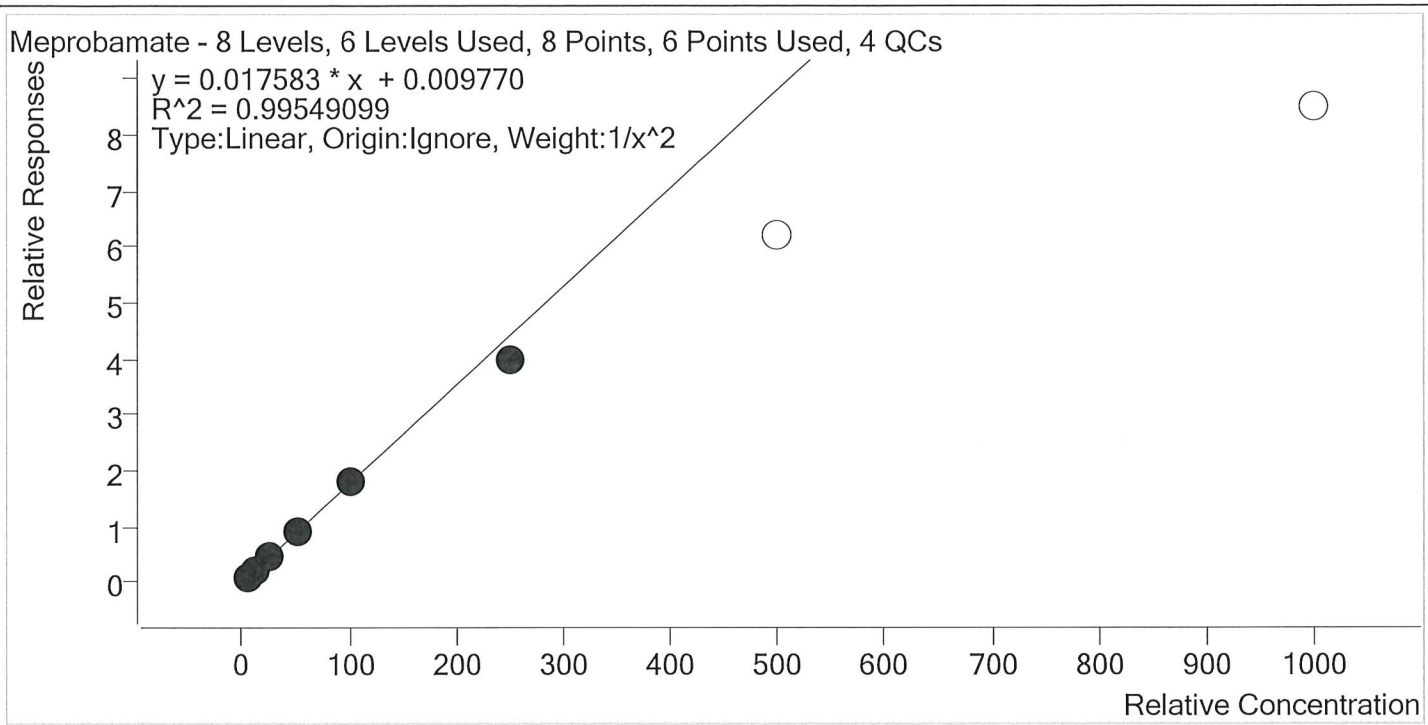**Analyte** Methadone   **Internal Standard** Methadone-D9

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

$y = 0.021053 * x + 0.002629$
$R^2 = 0.99914143$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.6
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.8
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.4
p1 Cal 4-50ng	4	✓	50.0	48.6	97.2
p1 Cal 5-100ng	5	✓	100.0	97.0	97.0
p1 Cal 6-250ng	6	✓	250.0	248.2	99.3
p1 Cal 7-500ng	7	✓	500.0	508.7	101.7
p1 Cal 8-1000ng	8	✓	1000.0	1049.2	104.9

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin

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Analyst Name ISP\datastor

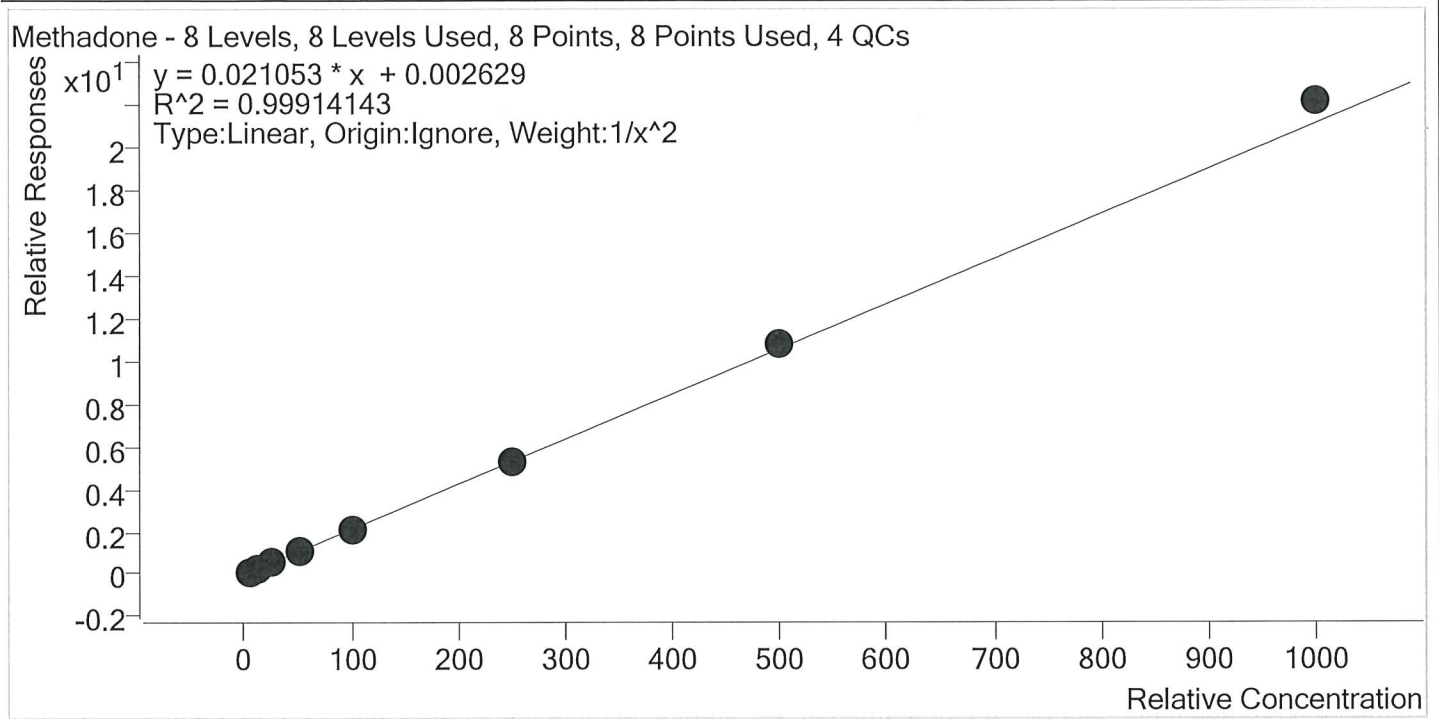**Analyte** Methamphetamine   **Internal Standard** Methamphetamine-D11
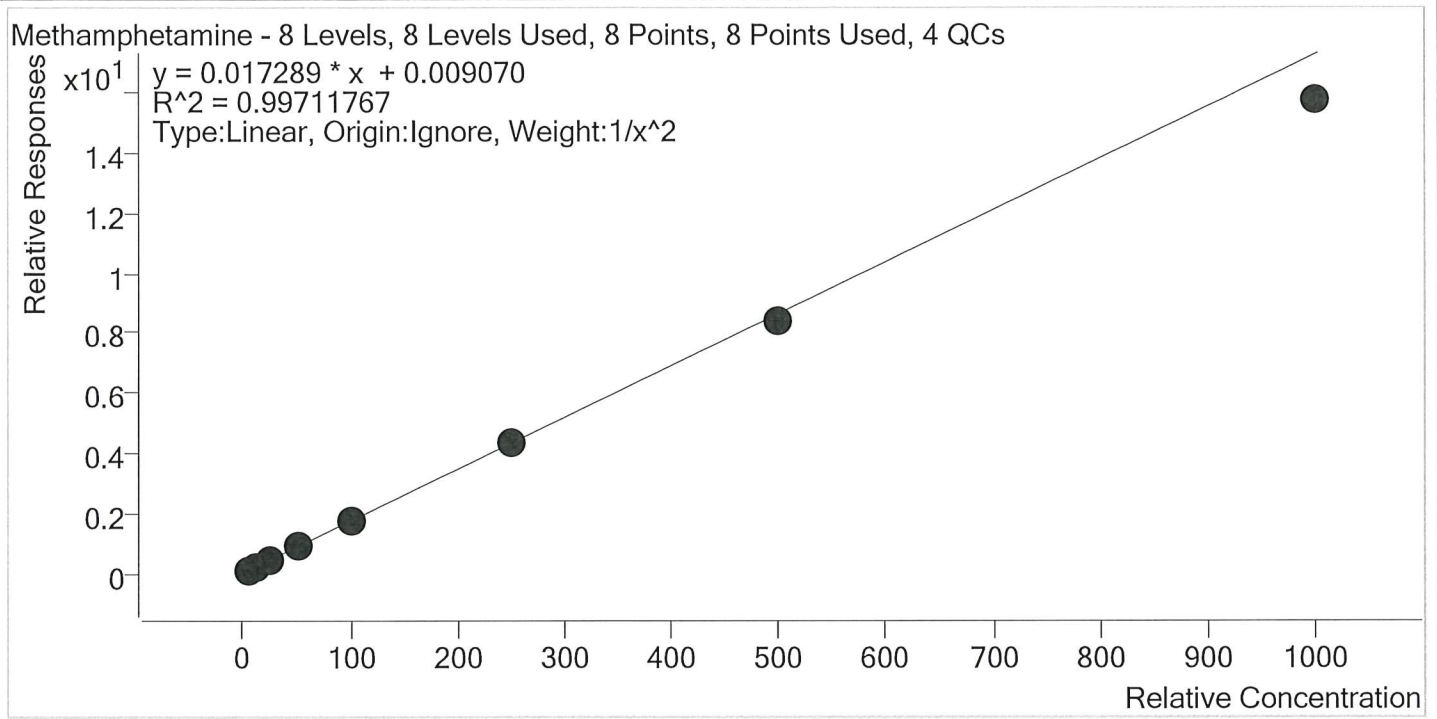
Methamphetamine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.017289 * x + 0.009070$

$R^2 = 0.99711767$

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	96.7
p1 Cal 2- 10ng	2	✓	10.0	10.4	104.1
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.5
p1 Cal 4-50ng	4	✓	50.0	52.0	104.1
p1 Cal 5-100ng	5	✓	100.0	103.1	103.1
p1 Cal 6-250ng	6	✓	250.0	250.6	100.2
p1 Cal 7-500ng	7	✓	500.0	485.3	97.1
p1 Cal 8-1000ng	8	✓	1000.0	911.8	91.2

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin
Last Cal. Update	9/21/2020 10:24 AM
Analyst Name	ISP\datastor
Analyte	Metoprolol

Internal Standard   Tramadol-13C-D3

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

$y = 0.001628 * x + 8.720883E\text{-}004$
$R^2 = 0.99236256$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.6	92.7
p1 Cal 2- 10ng	2	✓	10.0	11.3	112.8
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.1
p1 Cal 4-50ng	4	✓	50.0	52.2	104.4
p1 Cal 5-100ng	5	✓	100.0	100.9	100.9
p1 Cal 6-250ng	6	✓	250.0	255.8	102.3
p1 Cal 7-500ng	7	✓	500.0	484.4	96.9
p1 Cal 8-1000ng	8	✓	1000.0	878.0	87.8

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin
Last Cal. Update	9/21/2020 10:24 AM
Analyst Name	ISP\datastor
Analyte	Mirtazapine

Internal Standard   Methadone-D9

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

$y = 0.039226 * x - 0.019598$
$R^2 = 0.99249303$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.4	108.9
p1 Cal 2- 10ng	2	✓	10.0	7.4	74.2
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.4
p1 Cal 4-50ng	4	✓	50.0	56.7	113.3
p1 Cal 5-100ng	5	✓	100.0	106.8	106.8
p1 Cal 6-250ng	6	✓	250.0	238.3	95.3
p1 Cal 7-500ng	7	✗	500.0	397.2	79.4
p1 Cal 8-1000ng	8	✗	1000.0	850.9	85.1

Batch results   D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin

Last Cal. Update   9/21/2020 10:24 AM

Analyst Name   ISP\datastor

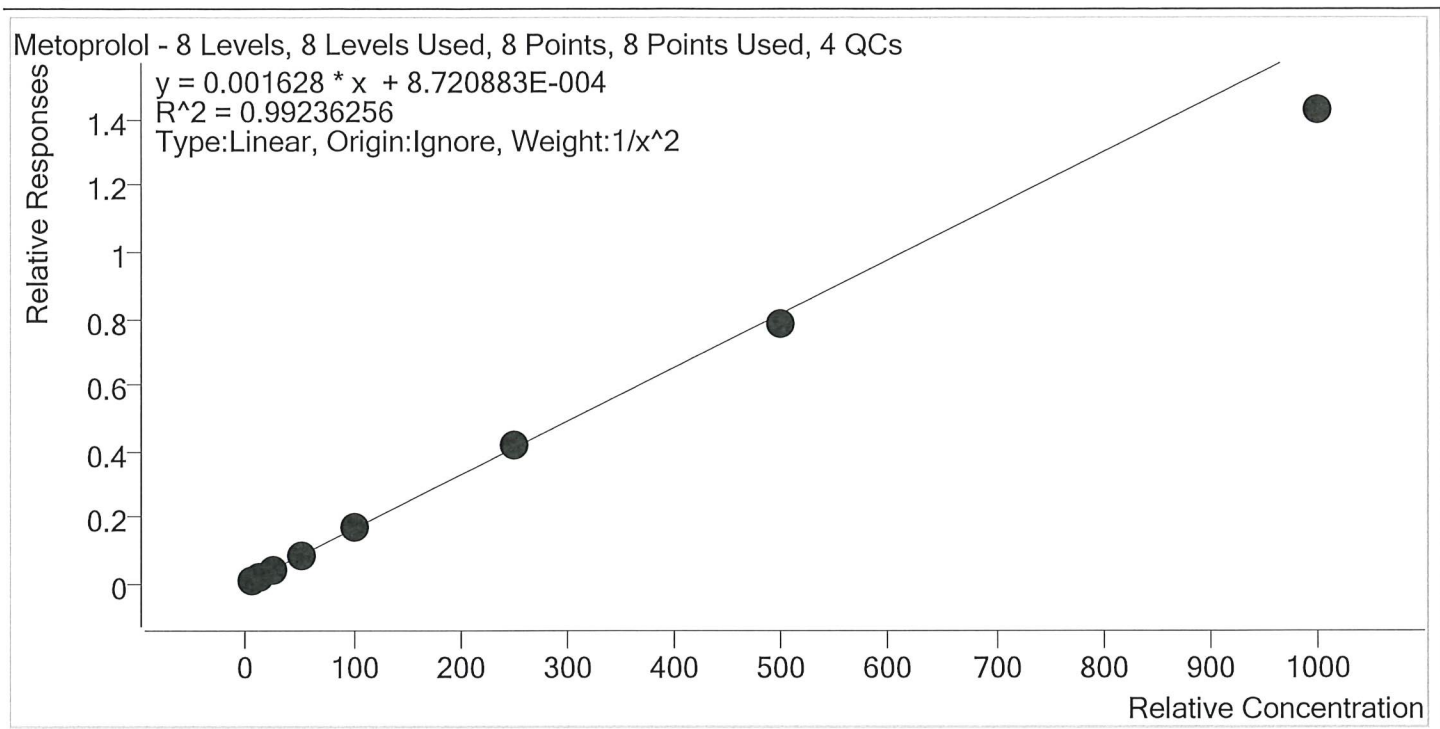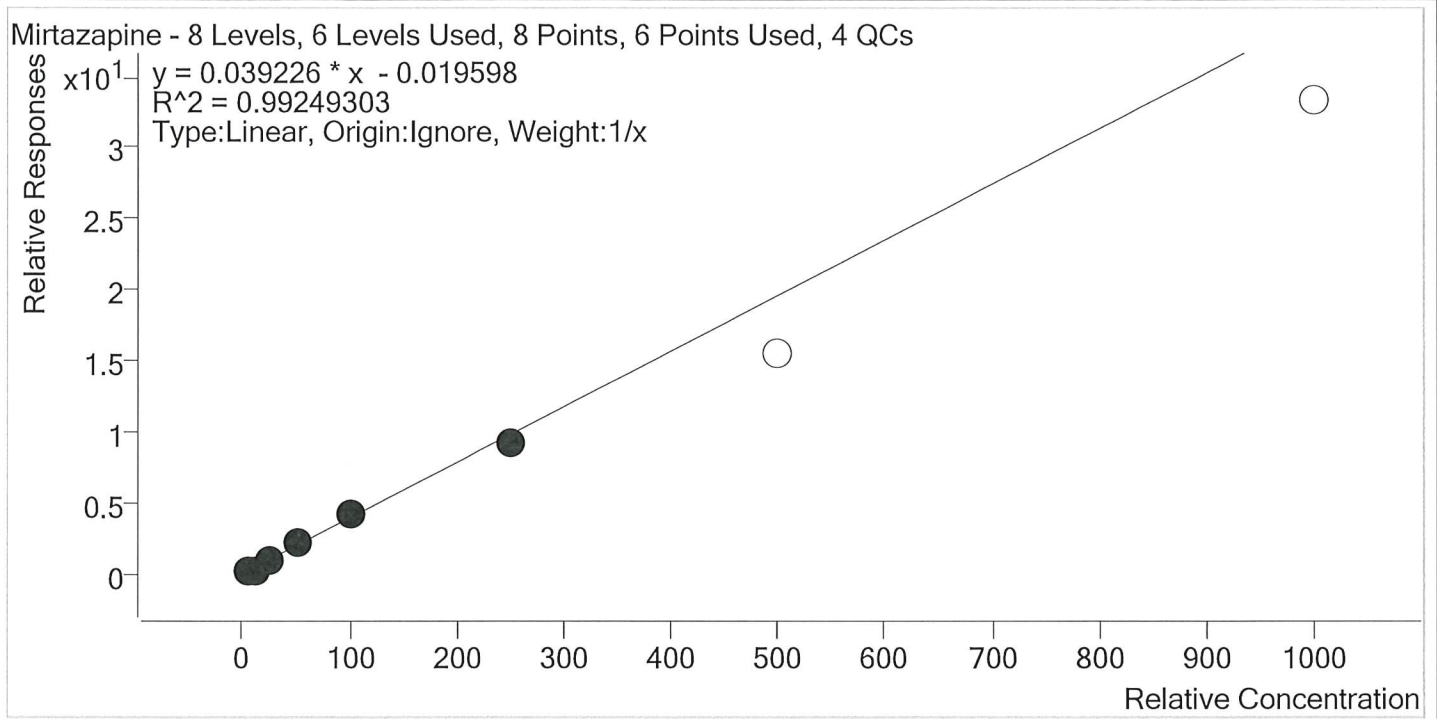**Analyte**   Mitragynine   **Internal Standard**   Methadone-D9

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

$y = 0.003823 * x + 4.780089E\text{-}004$

$R^2 = 0.99522556$

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	104.6
p1 Cal 2- 10ng	2	✓	10.0	9.2	91.5
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.9
p1 Cal 4-50ng	4	✓	50.0	47.7	95.5
p1 Cal 5-100ng	5	✓	100.0	96.0	96.0
p1 Cal 6-250ng	6	✓	250.0	246.9	98.7
p1 Cal 7-500ng	7	✓	500.0	553.9	110.8
p1 Cal 8-1000ng	8	✓	1000.0	1020.0	102.0

AM #28 Multi-Drug Quant. Calibration Curve Report

SJ

Batch results	D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin
Last Cal. Update	9/21/2020 10:24 AM
Analyst Name	ISP\datastor
Analyte	Morphine **Internal Standard** Morphine-D6
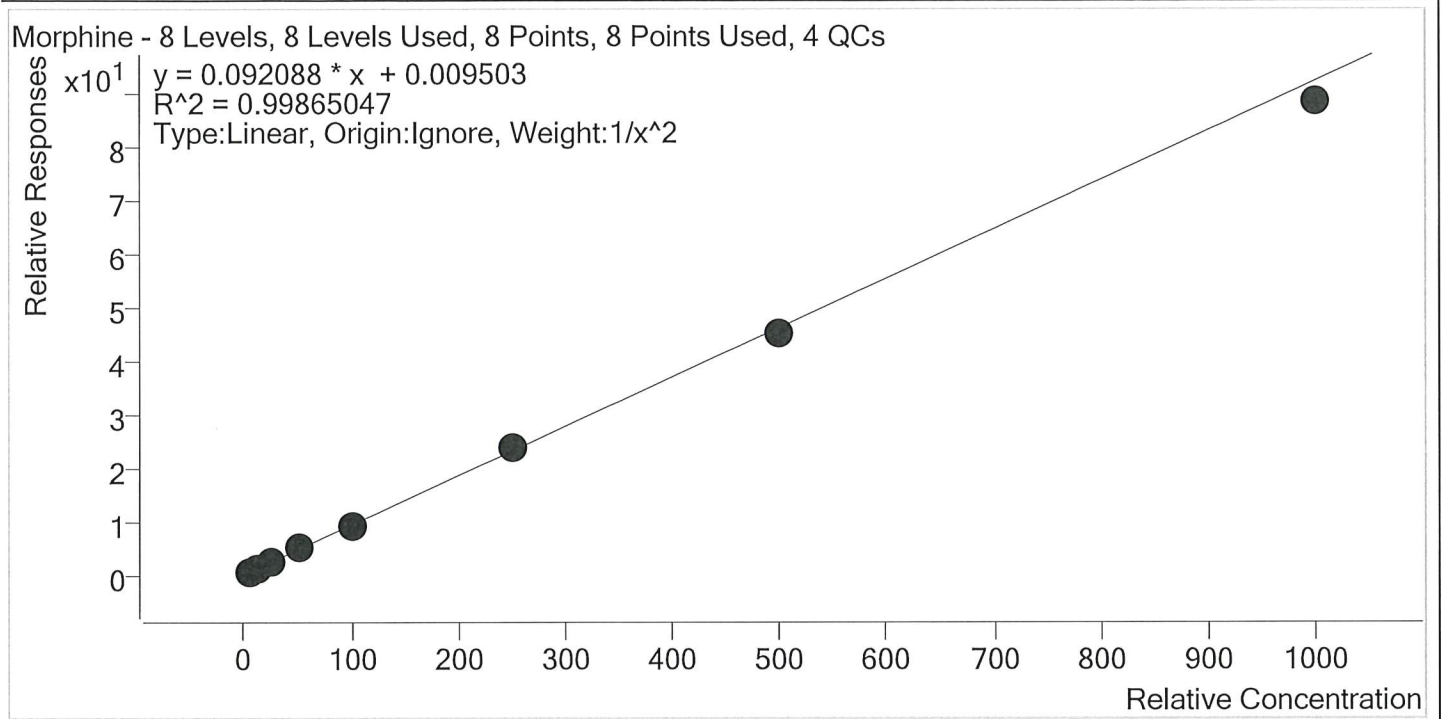
Morphine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.092088 * x + 0.009503$
$R^2 = 0.99865047$
Type:Linear, Origin:Ignore, Weight:1/x^2

Relative Responses x10^1

Relative Concentration

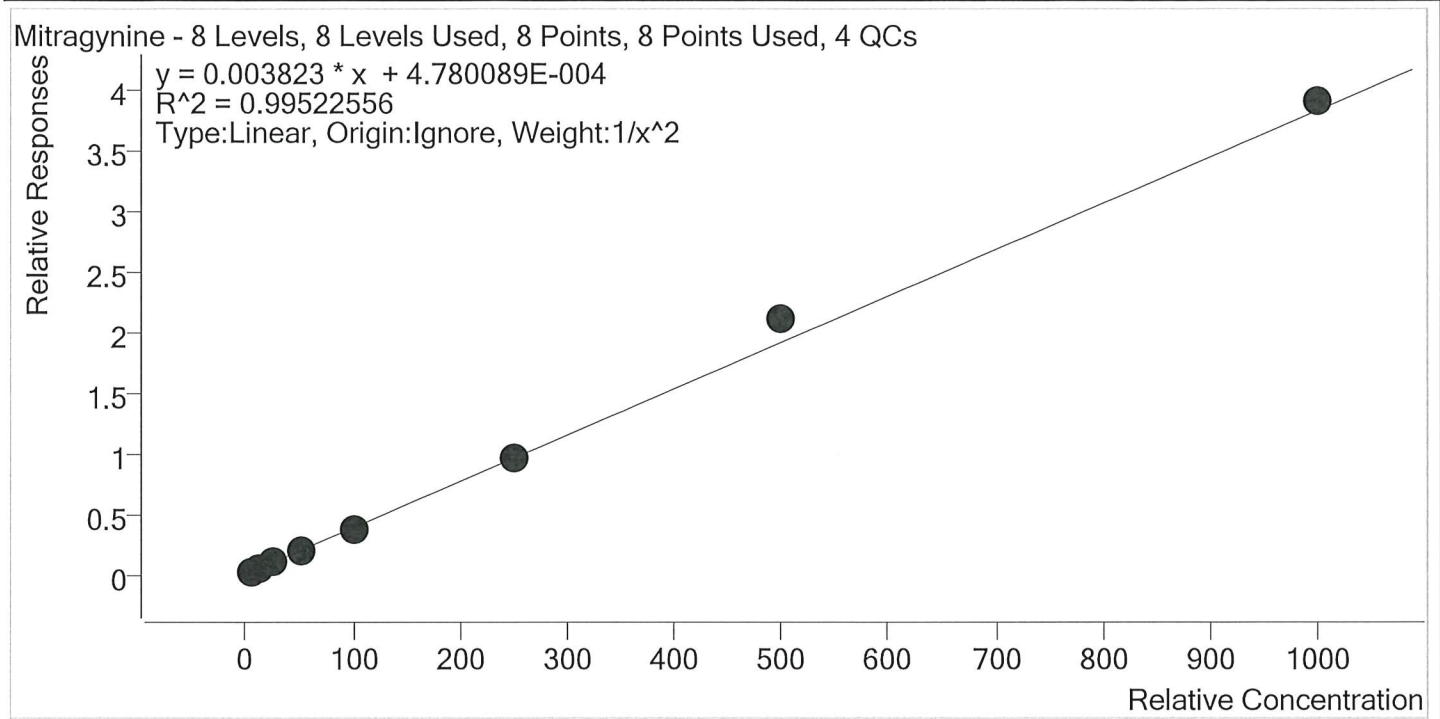| Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.3
p1 Cal 2- 10ng	2	✓	10.0	10.5	104.7
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.2
p1 Cal 4-50ng	4	✓	50.0	51.3	102.6
p1 Cal 5-100ng	5	✓	100.0	97.6	97.6
p1 Cal 6-250ng	6	✓	250.0	256.8	102.7
p1 Cal 7-500ng	7	✓	500.0	490.9	98.2
p1 Cal 8-1000ng	8	✓	1000.0	958.0	95.8

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin
Last Cal. Update	9/21/2020 10:24 AM
Analyst Name	ISP\datastor
Analyte	Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

Norbuprenorphine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs
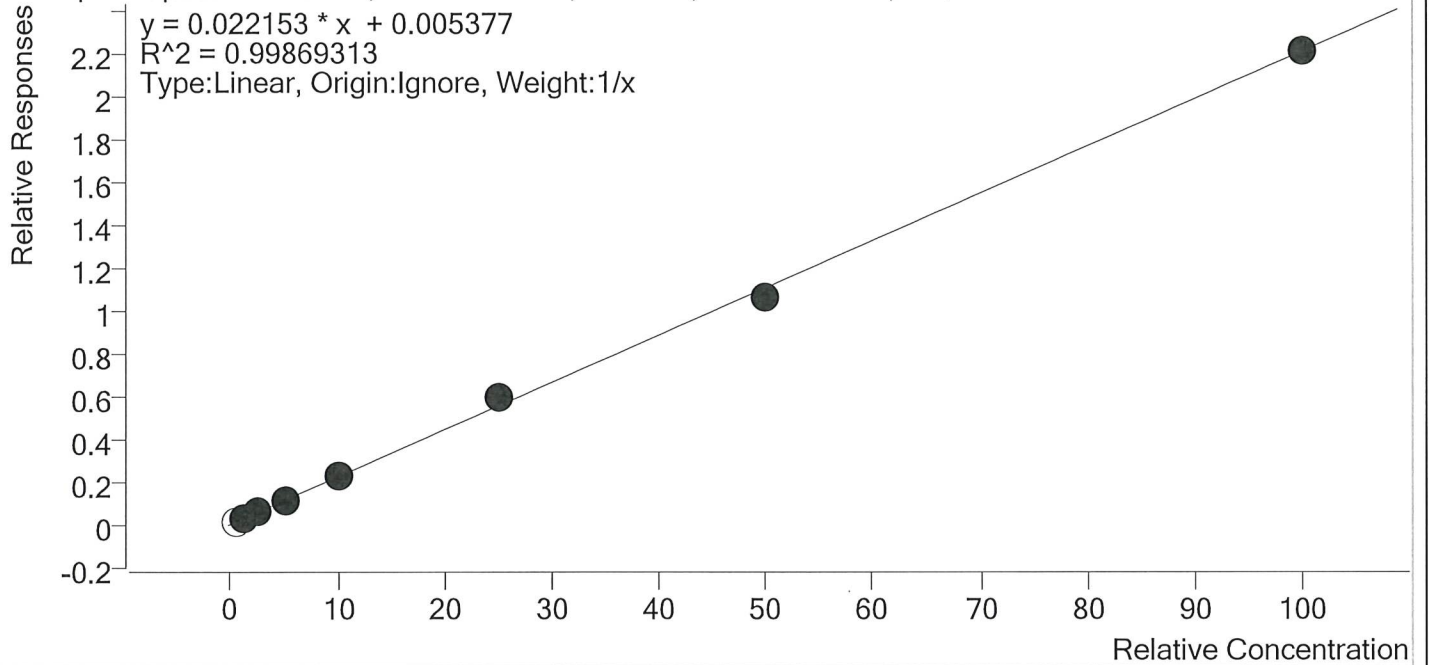
$y = 0.022153 * x + 0.005377$
$R^2 = 0.99869313$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✗	0.5	0.6	110.4
p1 Cal 2- 10ng	2	✓	1.0	1.0	99.7
p1 Cal 3 -25ng	3	✓	2.5	2.3	93.5
p1 Cal 4-50ng	4	✓	5.0	5.0	100.6
p1 Cal 5-100ng	5	✓	10.0	10.3	102.9
p1 Cal 6-250ng	6	✓	25.0	26.8	107.1
p1 Cal 7-500ng	7	✓	50.0	48.1	96.2
p1 Cal 8-1000ng	8	✓	100.0	100.0	100.0

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin
Last Cal. Update	9/21/2020 10:24 AM
Analyst Name	ISP\datastor

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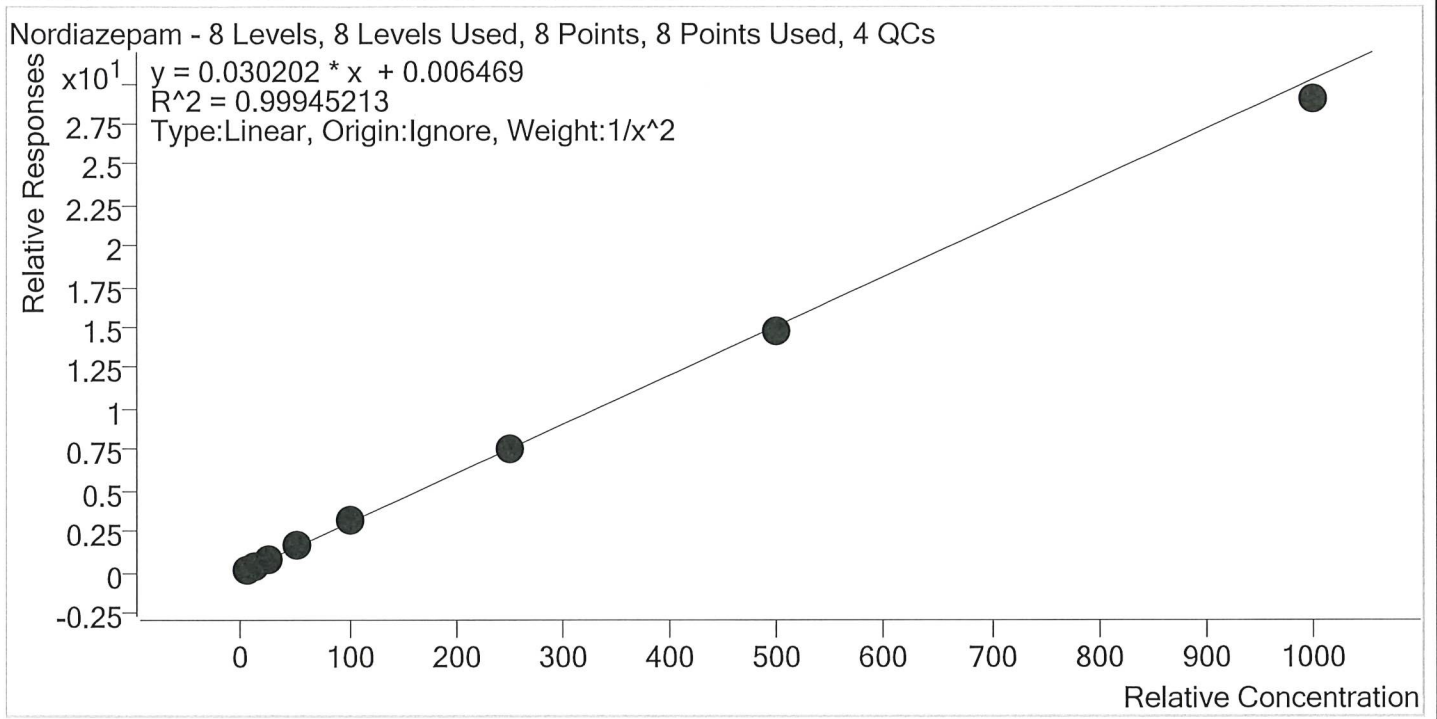
Nordiazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.030202 * x + 0.006469$
$R^2 = 0.99945213$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.6
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.1
p1 Cal 4-50ng	4	✓	50.0	51.1	102.2
p1 Cal 5-100ng	5	✓	100.0	102.1	102.1
p1 Cal 6-250ng	6	✓	250.0	251.8	100.7
p1 Cal 7-500ng	7	✓	500.0	492.8	98.6
p1 Cal 8-1000ng	8	✓	1000.0	960.0	96.0

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin
Last Cal. Update	9/21/2020 10:24 AM
Analyst Name	ISP\datastor
Analyte	Norfentanyl

Internal Standard   Norfentanyl-D5

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

$y = 0.024588 * x - 0.001384$
$R^2 = 0.99359622$
Type:Linear, Origin:Ignore, Weight:1/x^2

Y-axis: Relative Responses
X-axis: Relative Concentration

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	102.9
p1 Cal 2- 10ng	2	✓	1.0	1.0	97.7
p1 Cal 3 -25ng	3	✓	2.5	2.4	94.8
p1 Cal 4-50ng	4	✓	5.0	4.7	94.9
p1 Cal 5-100ng	5	✓	10.0	9.5	94.6
p1 Cal 6-250ng	6	✓	25.0	24.3	97.1
p1 Cal 7-500ng	7	✓	50.0	51.5	103.0
p1 Cal 8-1000ng	8	✓	100.0	115.0	115.0

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin

Last Cal. Update   9/21/2020 10:24 AM

Analyst Name   ISP\datastor

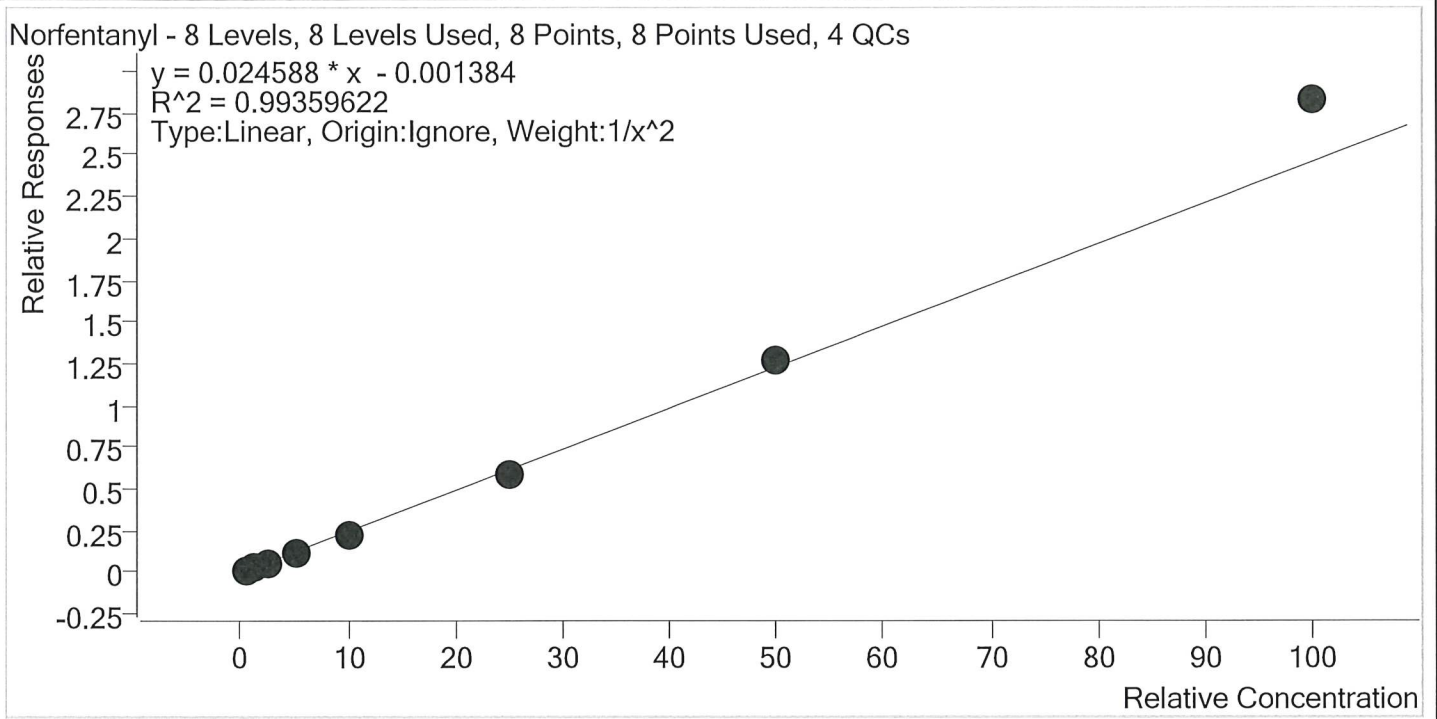**Analyte**   Norhydrocodone   **Internal Standard**   Norhydrocodone-D3

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

$y = 0.010941 * x - 0.010007$

$R^2 = 0.99530964$

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

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.3
p1 Cal 2- 10ng	2	✓	10.0	9.8	97.8
p1 Cal 3 -25ng	3	✓	25.0	23.1	92.3
p1 Cal 4-50ng	4	✓	50.0	46.9	93.7
p1 Cal 5-100ng	5	✓	100.0	96.5	96.5
p1 Cal 6-250ng	6	✓	250.0	255.0	102.0
p1 Cal 7-500ng	7	✓	500.0	523.0	104.6
p1 Cal 8-1000ng	8	✓	1000.0	1098.0	109.8

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin

Last Cal. Update   9/21/2020 10:24 AM

Analyst Name   ISP\datastor

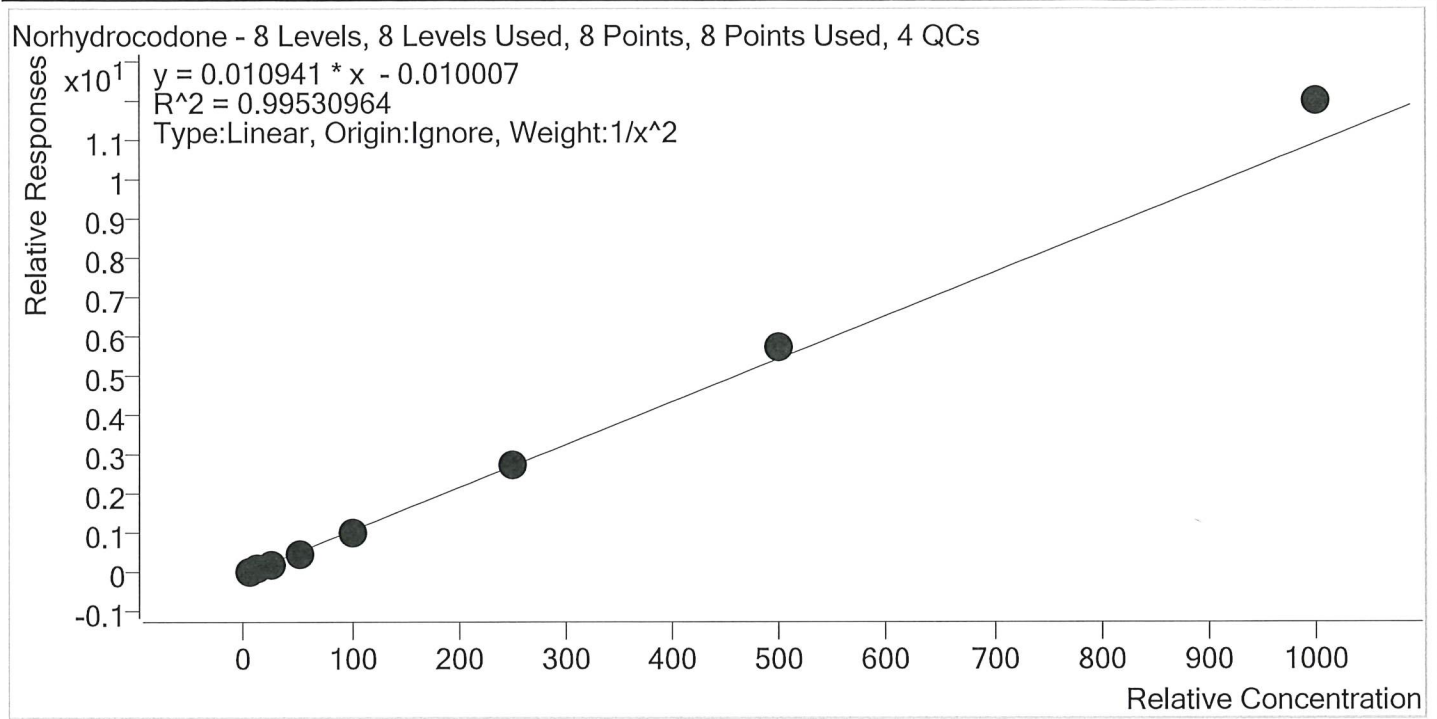**Analyte**   Noroxycodone   **Internal Standard**   Noroxycodone-D3
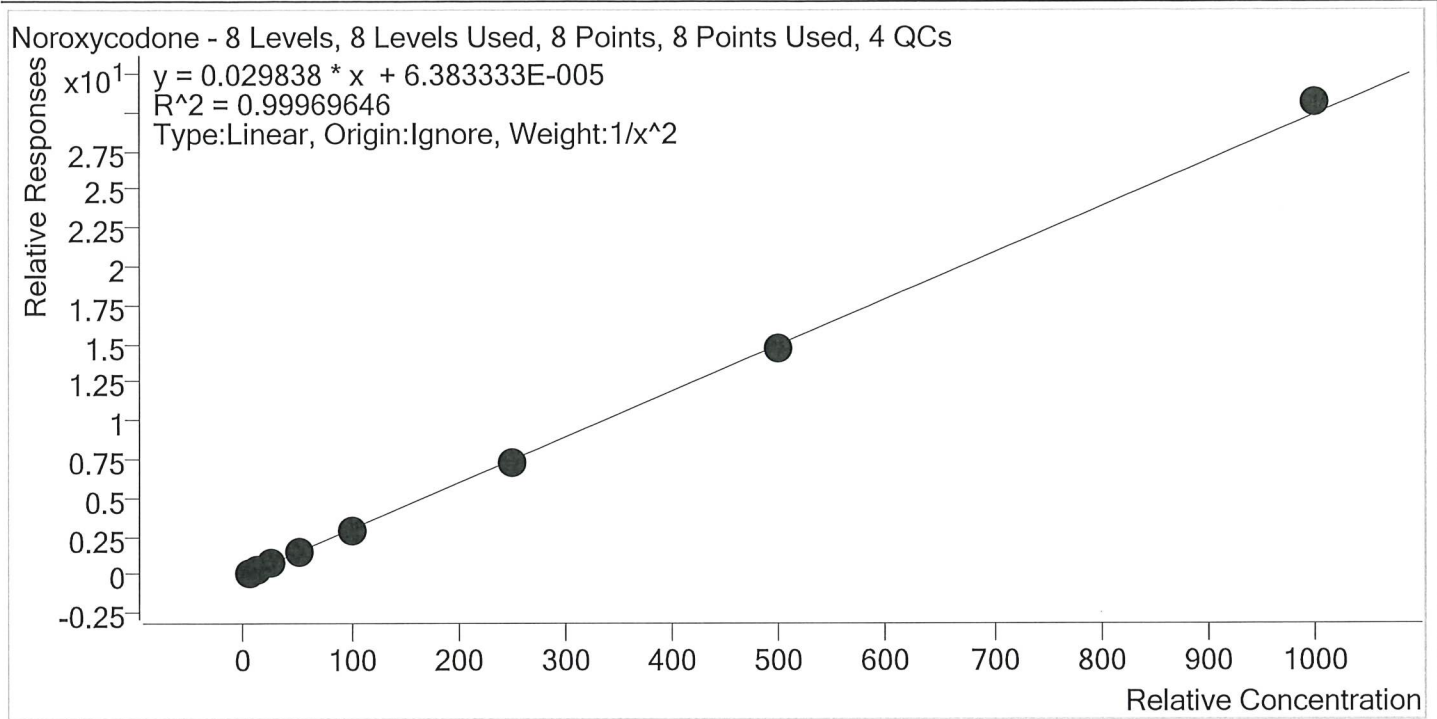
Noroxycodone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.029838 * x + 6.383333E\text{-}005$
$R^2 = 0.99969646$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.1
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.7
p1 Cal 4-50ng	4	✓	50.0	50.9	101.8
p1 Cal 5-100ng	5	✓	100.0	99.2	99.2
p1 Cal 6-250ng	6	✓	250.0	245.7	98.3
p1 Cal 7-500ng	7	✓	500.0	496.0	99.2
p1 Cal 8-1000ng	8	✓	1000.0	1025.9	102.6

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin
Last Cal. Update	9/21/2020 10:24 AM
Analyst Name	ISP\datastor
Analyte	O-desmethyl-tramadol

Internal Standard   O-desmethyl-tramadol-D6

O-desmethyl-tramadol - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.018827 * x - 0.001494$
$R^2 = 0.99968370$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.0
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.0
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.1
p1 Cal 4-50ng	4	✓	50.0	49.6	99.2
p1 Cal 5-100ng	5	✓	100.0	98.3	98.3
p1 Cal 6-250ng	6	✓	250.0	252.2	100.9
p1 Cal 7-500ng	7	✓	500.0	510.8	102.2
p1 Cal 8-1000ng	8	✓	1000.0	1013.8	101.4

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin

Last Cal. Update   9/21/2020 10:24 AM

Analyst Name   ISP\datastor
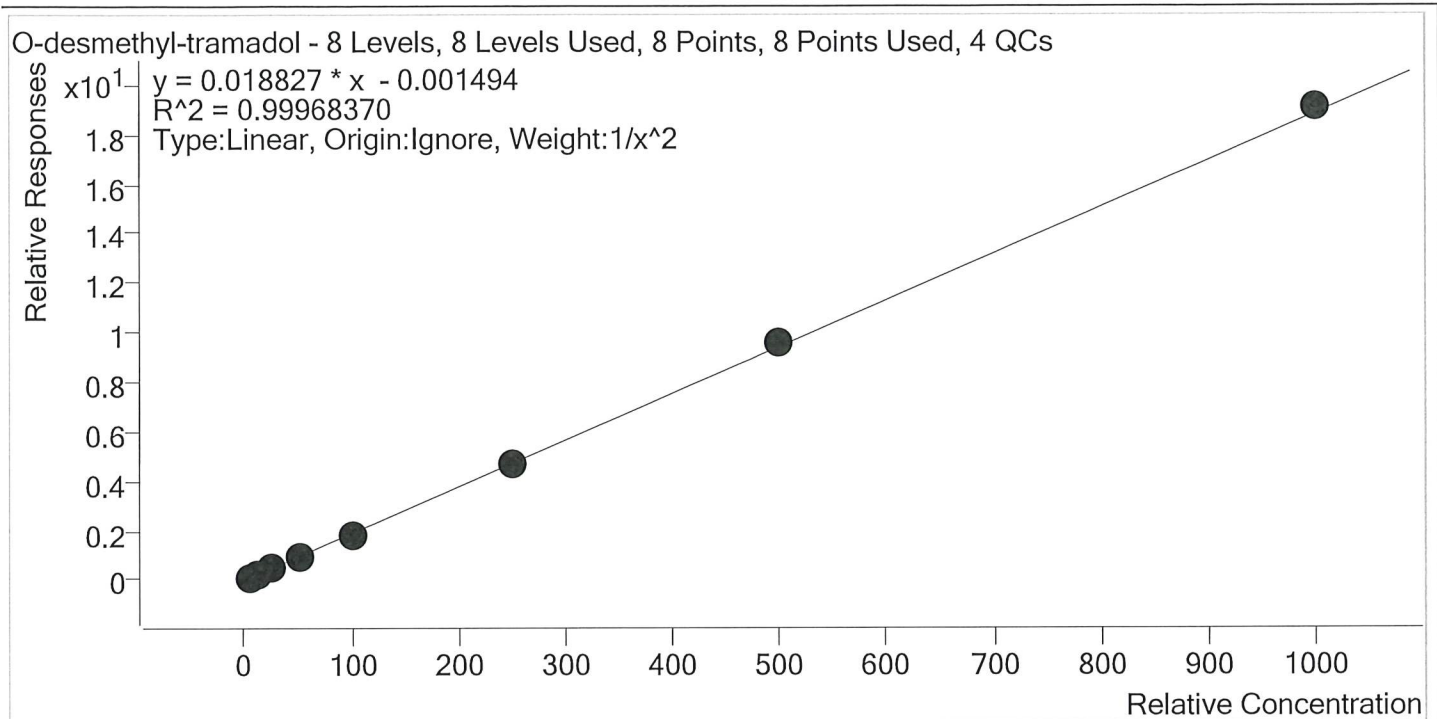
Analyte   Oxazepam   **Internal Standard**   Oxazepam-D5
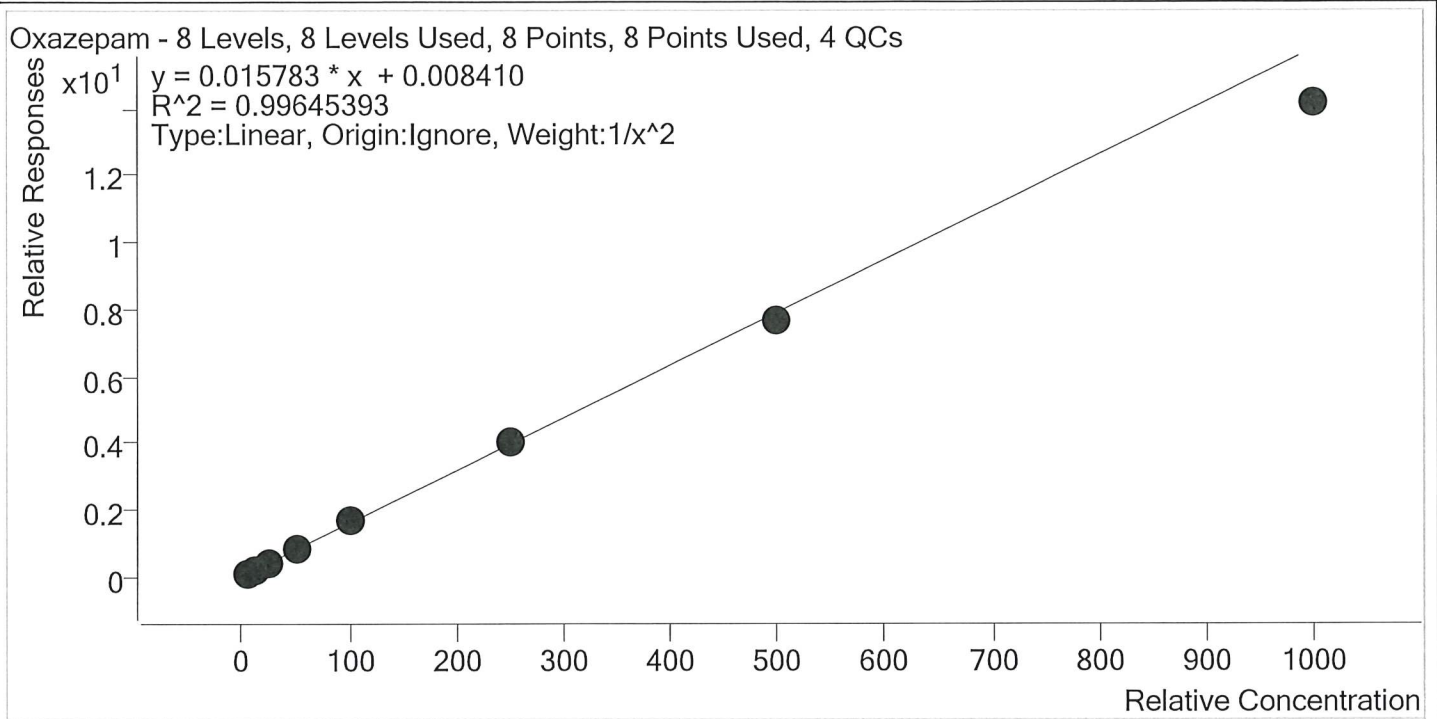
Oxazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.015783 * x + 0.008410$
$R^2 = 0.99645393$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.3
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.2
p1 Cal 3 -25ng	3	✓	25.0	25.7	102.9
p1 Cal 4-50ng	4	✓	50.0	51.2	102.5
p1 Cal 5-100ng	5	✓	100.0	107.2	107.2
p1 Cal 6-250ng	6	✓	250.0	253.1	101.2
p1 Cal 7-500ng	7	✓	500.0	484.8	97.0
p1 Cal 8-1000ng	8	✓	1000.0	897.3	89.7

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin
Last Cal. Update	9/21/2020 10:24 AM
Analyst Name	ISP\datastor
Analyte	Oxycodone

Internal Standard Oxycodone-D6

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

$y = 0.023113 * x + 0.006936$
$R^2 = 0.99887612$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.5
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.5
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.8
p1 Cal 4-50ng	4	✓	50.0	52.1	104.2
p1 Cal 5-100ng	5	✓	100.0	102.6	102.6
p1 Cal 6-250ng	6	✓	250.0	251.1	100.4
p1 Cal 7-500ng	7	✓	500.0	491.3	98.3
p1 Cal 8-1000ng	8	✓	1000.0	945.2	94.5

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin
Last Cal. Update	9/21/2020 10:24 AM
Analyst Name	ISP\datastor
Analyte	Oxymorphone

Internal Standard   Oxymorphone-D3

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

$y = 0.027534 * x + 0.006438$
$R^2 = 0.99907753$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.3
p1 Cal 2- 10ng	2	✓	10.0	10.3	102.9
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.5
p1 Cal 4-50ng	4	✓	50.0	50.4	100.8
p1 Cal 5-100ng	5	✓	100.0	104.2	104.2
p1 Cal 6-250ng	6	✓	250.0	242.1	96.9
p1 Cal 7-500ng	7	✓	500.0	497.8	99.6
p1 Cal 8-1000ng	8	✓	1000.0	970.2	97.0

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin

Last Cal. Update   9/21/2020 10:24 AM

Analyst Name   ISP\datastor

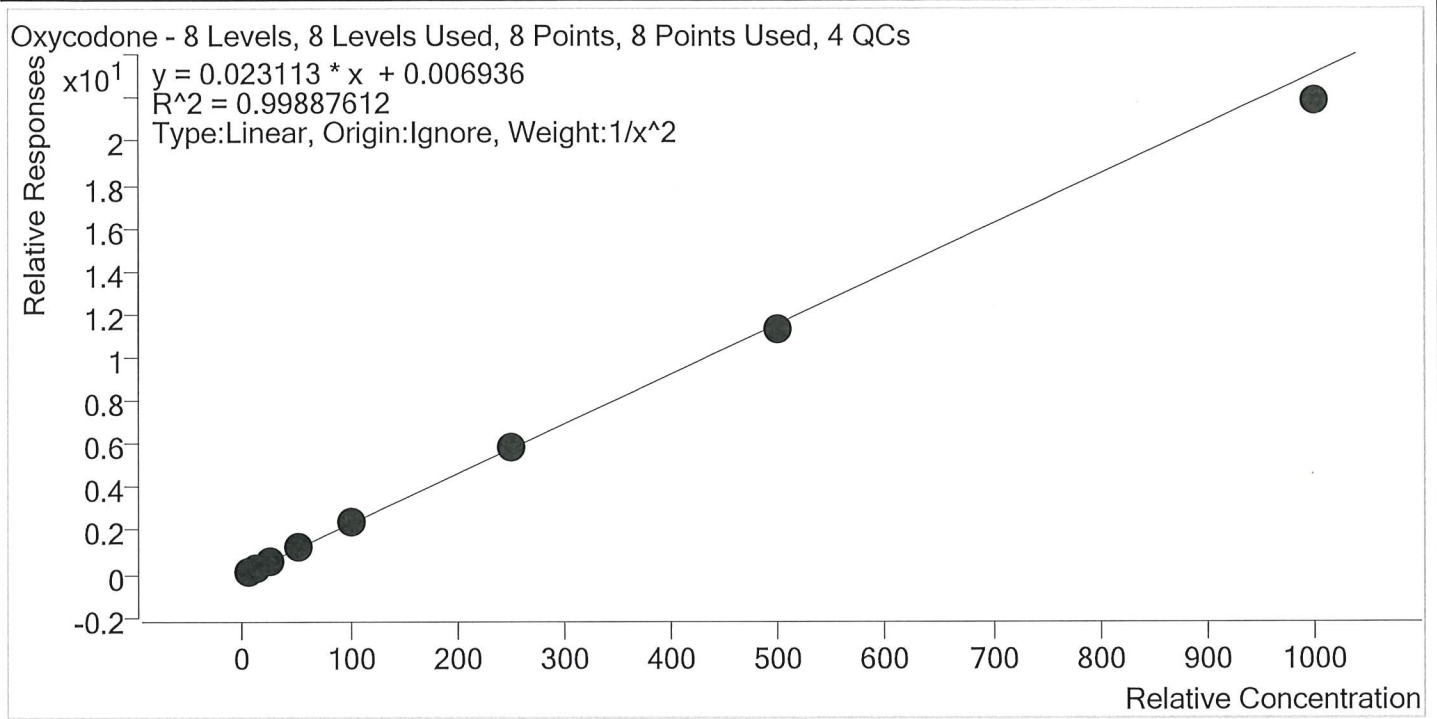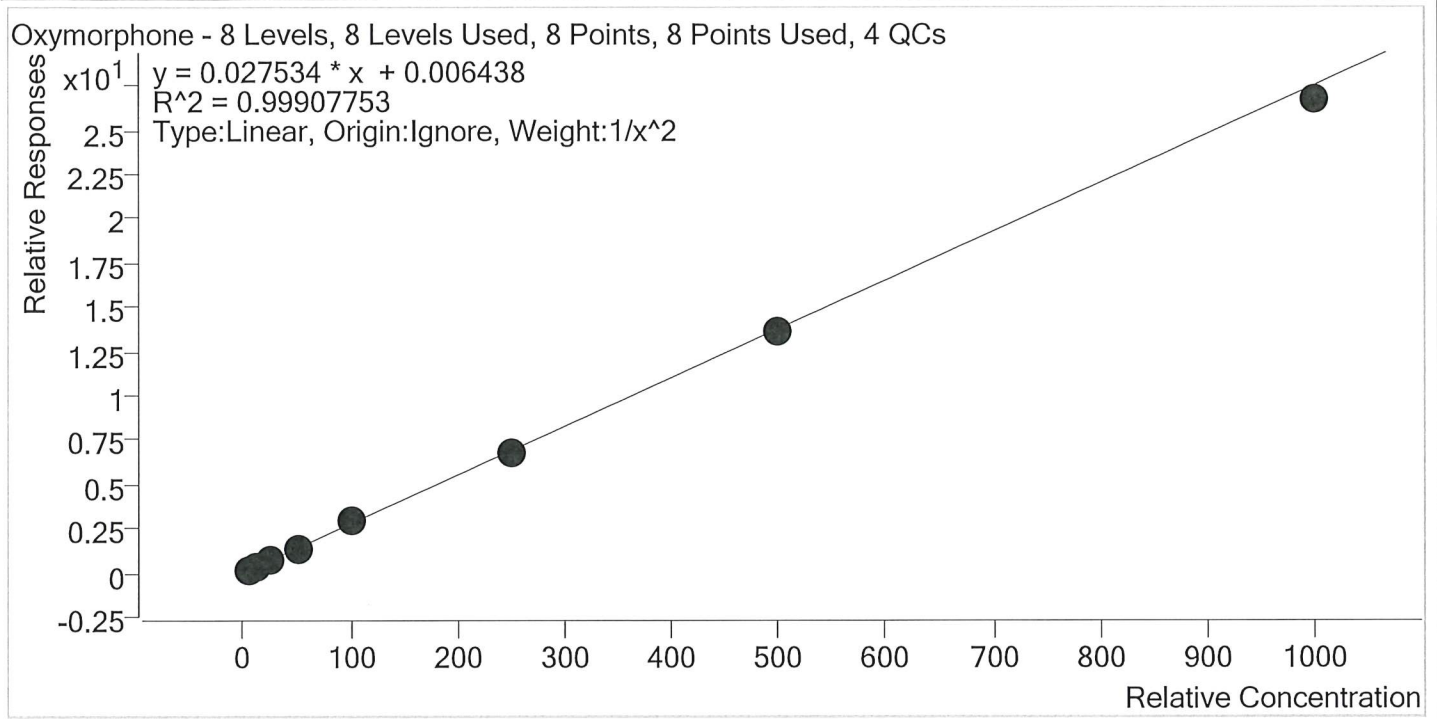**Analyte**   Phentermine   **Internal Standard**   Phentermine-D5

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

$y = 0.006582 * x + 0.003764$
$R^2 = 0.99337841$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.9
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	26.0	103.9
p1 Cal 4-50ng	4	✓	50.0	54.2	108.4
p1 Cal 5-100ng	5	✓	100.0	104.5	104.5
p1 Cal 6-250ng	6	✓	250.0	256.6	102.6
p1 Cal 7-500ng	7	✓	500.0	485.3	97.1
p1 Cal 8-1000ng	8	✓	1000.0	850.0	85.0

Batch results   D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin

Last Cal. Update   9/21/2020 10:24 AM

Analyst Name   ISP\datastor

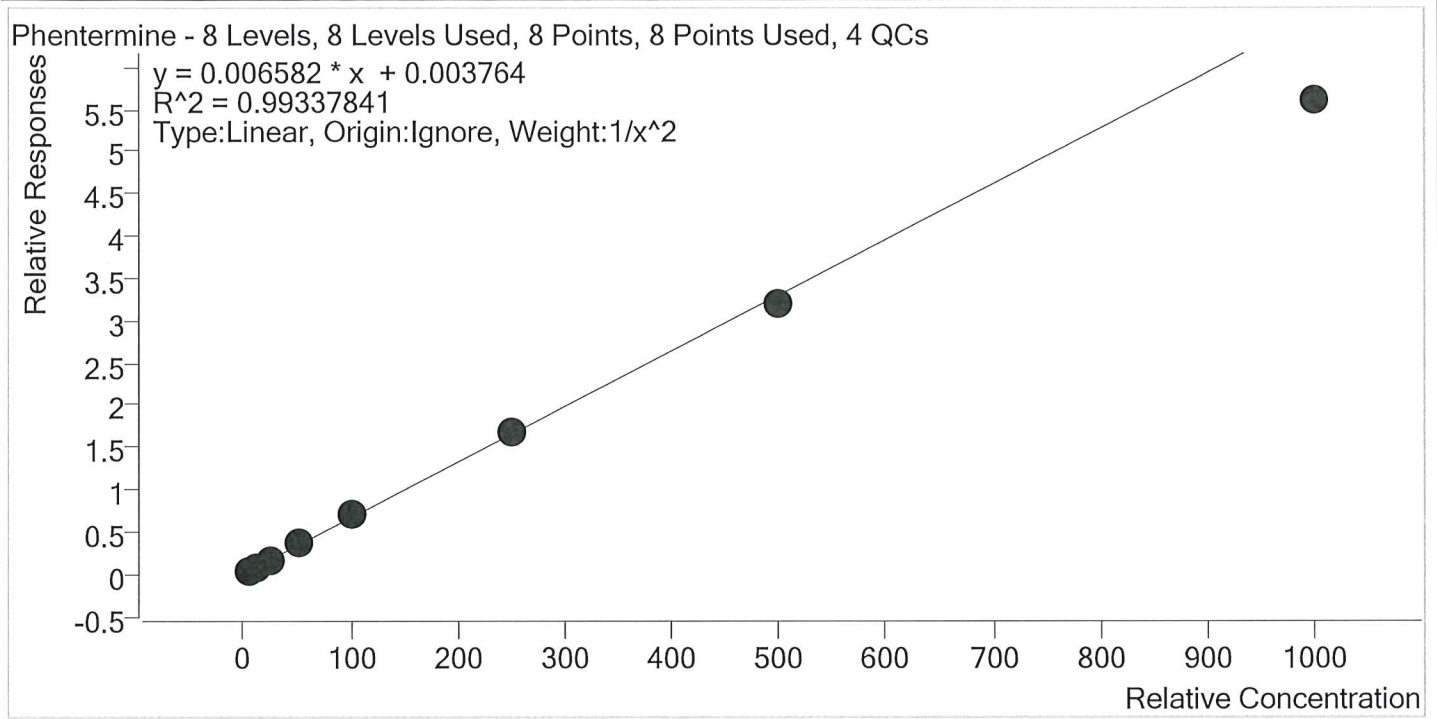**Analyte**   Promethazine   **Internal Standard**   Promethazine-D3

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

$y = 0.023811 * x - 0.018904$

$R^2 = 0.99917089$

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

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.5	109.9
p1 Cal 2- 10ng	2	✓	10.0	10.5	104.6
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.0
p1 Cal 4-50ng	4	✓	50.0	48.6	97.3
p1 Cal 5-100ng	5	✓	100.0	97.0	97.0
p1 Cal 6-250ng	6	✓	250.0	238.3	95.3
p1 Cal 7-500ng	7	✓	500.0	492.7	98.5
p1 Cal 8-1000ng	8	✓	1000.0	1023.6	102.4

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin

Last Cal. Update   9/21/2020 10:24 AM

Analyst Name   ISP\datastor

Analyte   Quetiapine   **Internal Standard**   Quetiapine-D8

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

$y = 0.073857 * x + 0.018541$

$R^2 = 0.99601761$

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

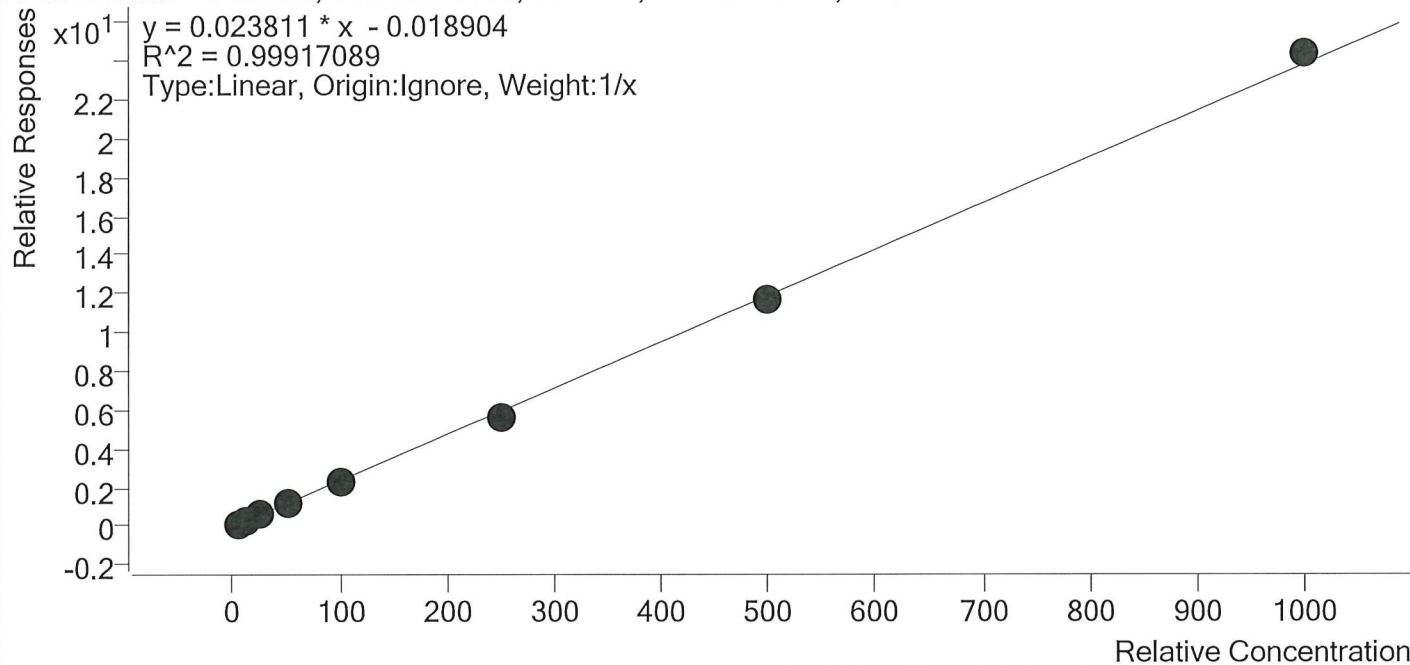| Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.2
p1 Cal 2- 10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	25.7	102.9
p1 Cal 4-50ng	4	✓	50.0	53.6	107.1
p1 Cal 5-100ng	5	✓	100.0	103.0	103.0
p1 Cal 6-250ng	6	✓	250.0	259.6	103.8
p1 Cal 7-500ng	7	✓	500.0	476.7	95.3
p1 Cal 8-1000ng	8	✓	1000.0	898.1	89.8

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin

Last Cal. Update 9/21/2020 10:24 AM

Analyst Name ISP\datastor

Analyte Sertraline   **Internal Standard** Sertraline-D3

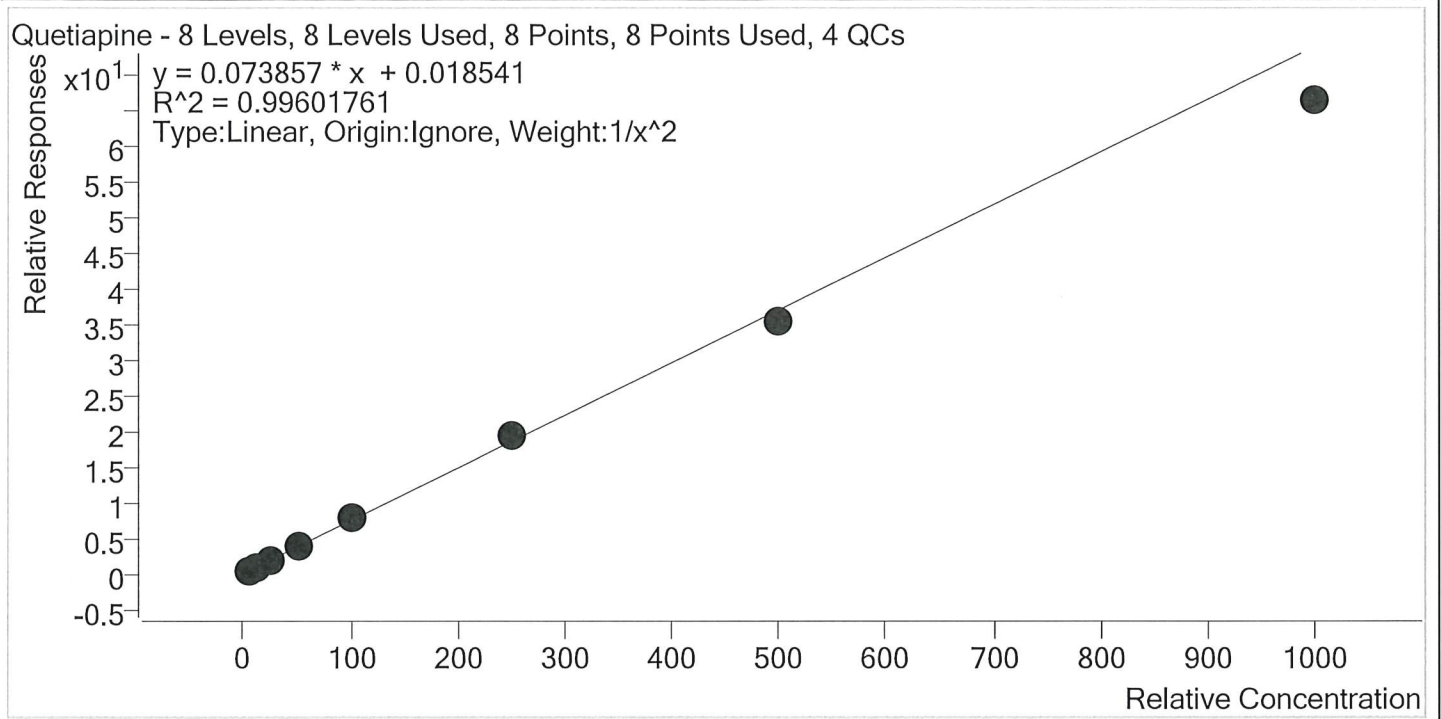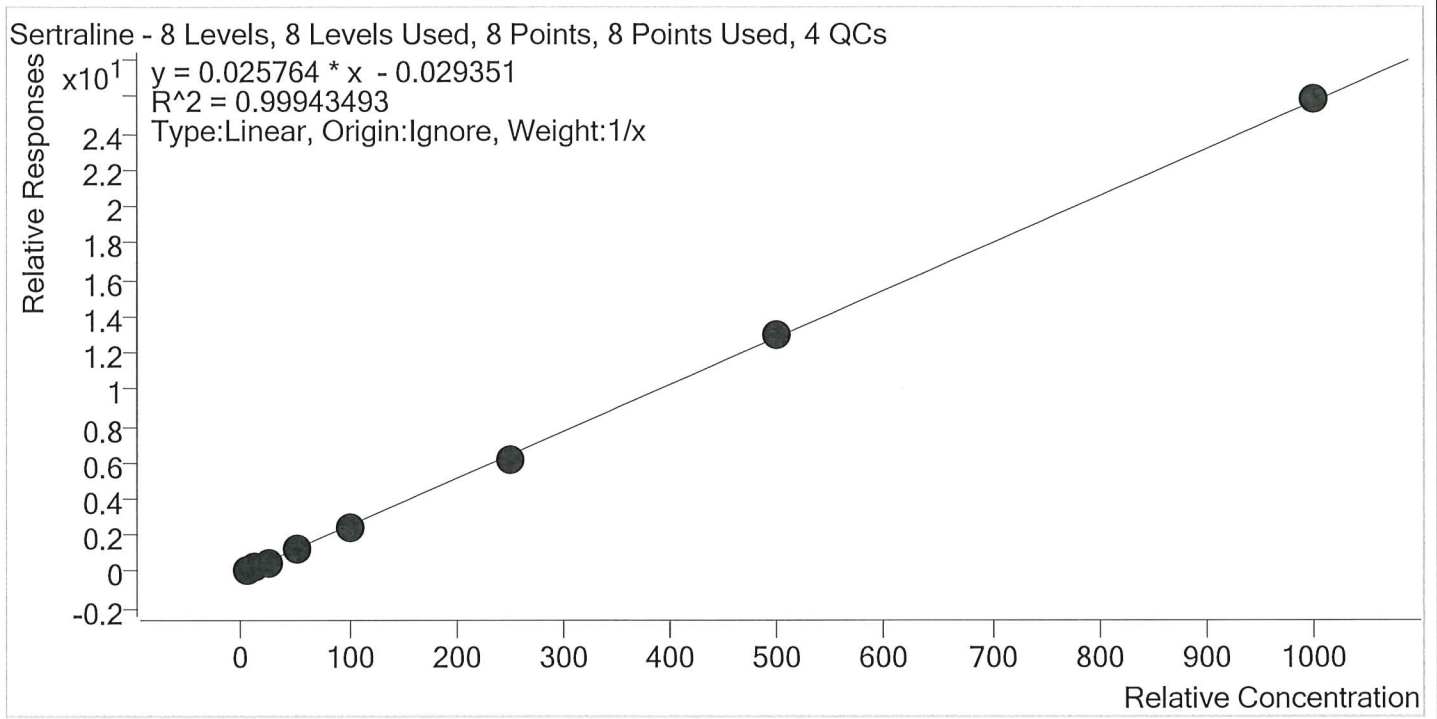Sertraline - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.025764 * x - 0.029351$
$R^2 = 0.99943493$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	6.0	120.9
p1 Cal 2- 10ng	2	✓	10.0	9.1	90.8
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.8
p1 Cal 4-50ng	4	✓	50.0	48.6	97.2
p1 Cal 5-100ng	5	✓	100.0	97.8	97.8
p1 Cal 6-250ng	6	✓	250.0	240.7	96.3
p1 Cal 7-500ng	7	✓	500.0	509.1	101.8
p1 Cal 8-1000ng	8	✓	1000.0	1005.0	100.5

Batch results	D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin
Last Cal. Update	9/21/2020 10:24 AM
Analyst Name	ISP\datastor
Analyte	Temazepam

Internal Standard Temazepam-D5

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

$y = 0.020596 * x - 0.002537$
$R^2 = 0.99901987$
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	101.9
p1 Cal 2- 10ng	2	✓	10.0	9.8	97.7
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.0
p1 Cal 4-50ng	4	✓	50.0	49.2	98.4
p1 Cal 5-100ng	5	✓	100.0	99.0	99.0
p1 Cal 6-250ng	6	✓	250.0	250.6	100.3
p1 Cal 7-500ng	7	✓	500.0	500.7	100.1
p1 Cal 8-1000ng	8	✓	1000.0	1055.1	105.5

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin
Last Cal. Update	9/21/2020 10:24 AM
Analyst Name	ISP\datastor
Analyte	Tramadol

Internal Standard Tramadol-13C-D3

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

$y = 0.019139 * x + 0.006650$
$R^2 = 0.99908555$
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	10.1	101.0
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.7
p1 Cal 4-50ng	4	✓	50.0	51.4	102.8
p1 Cal 5-100ng	5	✓	100.0	100.4	100.4
p1 Cal 6-250ng	6	✓	250.0	255.9	102.4
p1 Cal 7-500ng	7	✓	500.0	497.1	99.4
p1 Cal 8-1000ng	8	✓	1000.0	943.4	94.3

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin

Last Cal. Update   9/21/2020 10:24 AM

Analyst Name   ISP\datastor

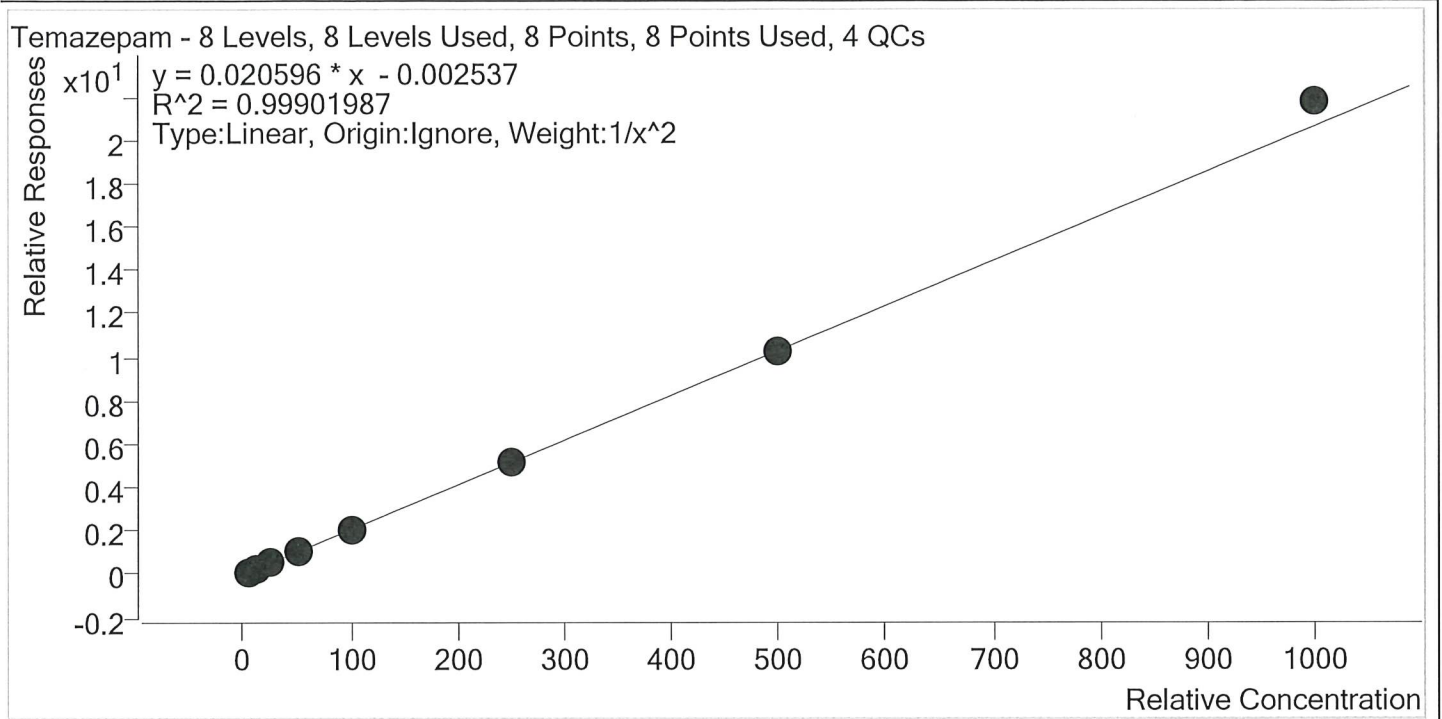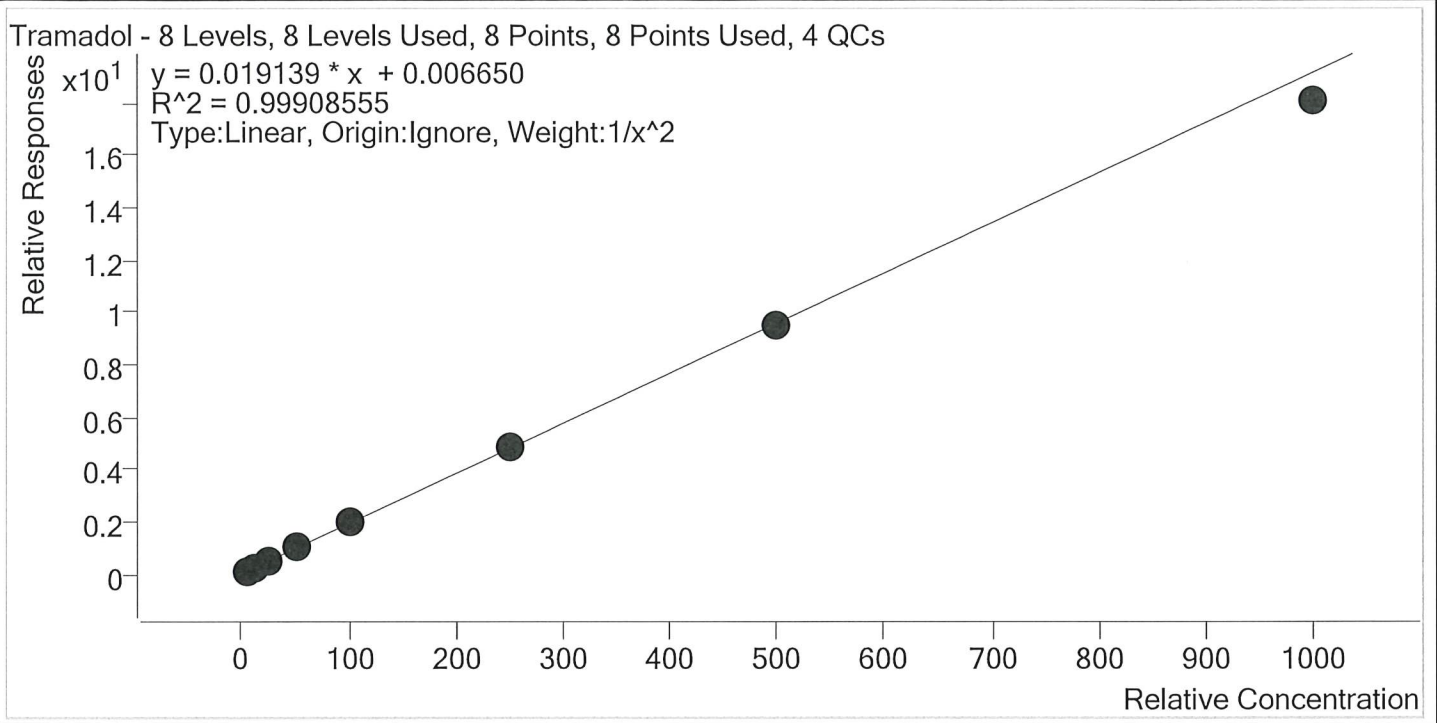**Analyte**   Trazodone   **Internal Standard**   Trazodone-D6
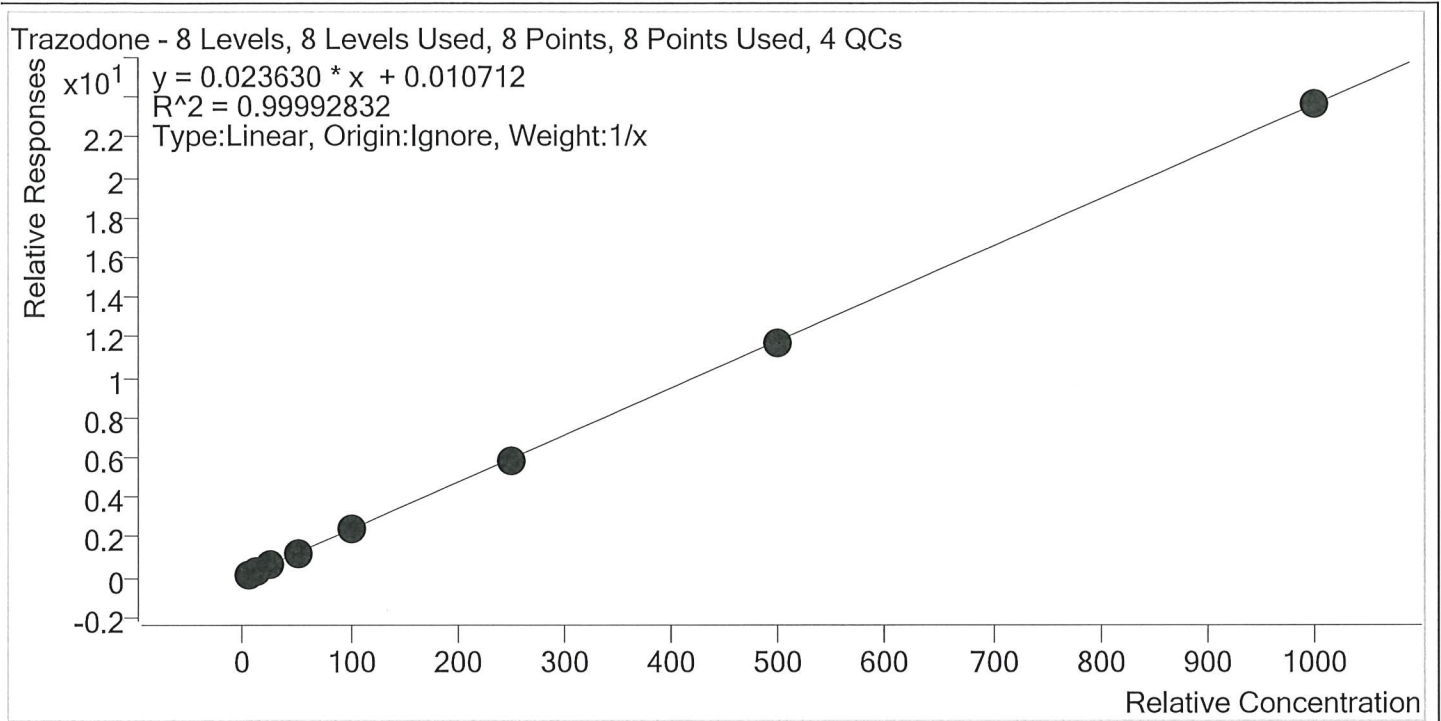
Trazodone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.023630 * x + 0.010712$
$R^2 = 0.99992832$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.5
p1 Cal 2- 10ng	2	✓	10.0	10.3	103.5
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.4
p1 Cal 4-50ng	4	✓	50.0	51.3	102.7
p1 Cal 5-100ng	5	✓	100.0	102.0	102.0
p1 Cal 6-250ng	6	✓	250.0	248.2	99.3
p1 Cal 7-500ng	7	✓	500.0	498.3	99.7
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\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin
Last Cal. Update	9/21/2020 10:24 AM
Analyst Name	ISP\datastor
Analyte	Venlafaxine

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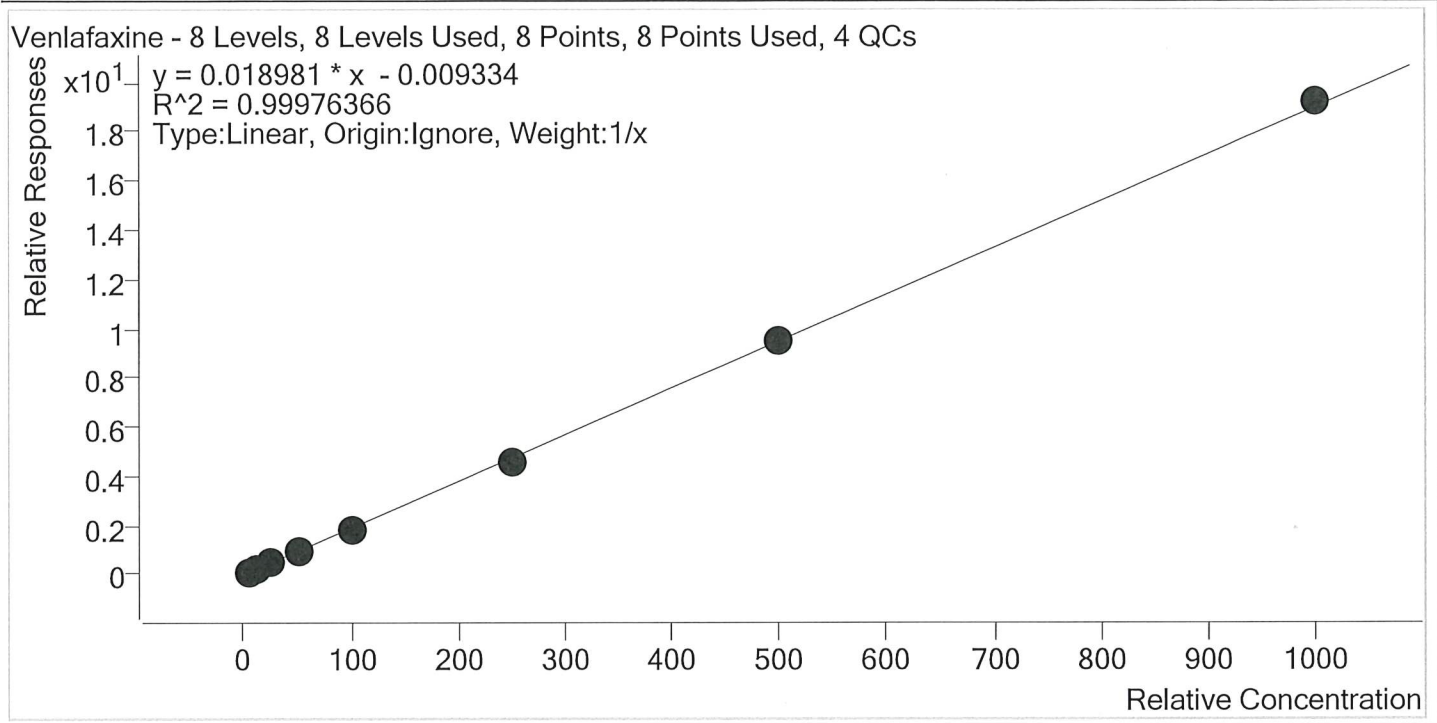
Venlafaxine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.018981 * x - 0.009334$
$R^2 = 0.99976366$
Type:Linear, Origin:Ignore, Weight:1/x

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

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.4	108.1
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.9
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.7
p1 Cal 4-50ng	4	✓	50.0	48.6	97.1
p1 Cal 5-100ng	5	✓	100.0	97.6	97.6
p1 Cal 6-250ng	6	✓	250.0	244.5	97.8
p1 Cal 7-500ng	7	✓	500.0	497.5	99.5
p1 Cal 8-1000ng	8	✓	1000.0	1011.9	101.2

Generated at 4:13 PM on 9/21/2020

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin
Last Cal. Update	9/21/2020 10:24 AM
Analyst Name	ISP\datastor
Analyte	Zolpidem

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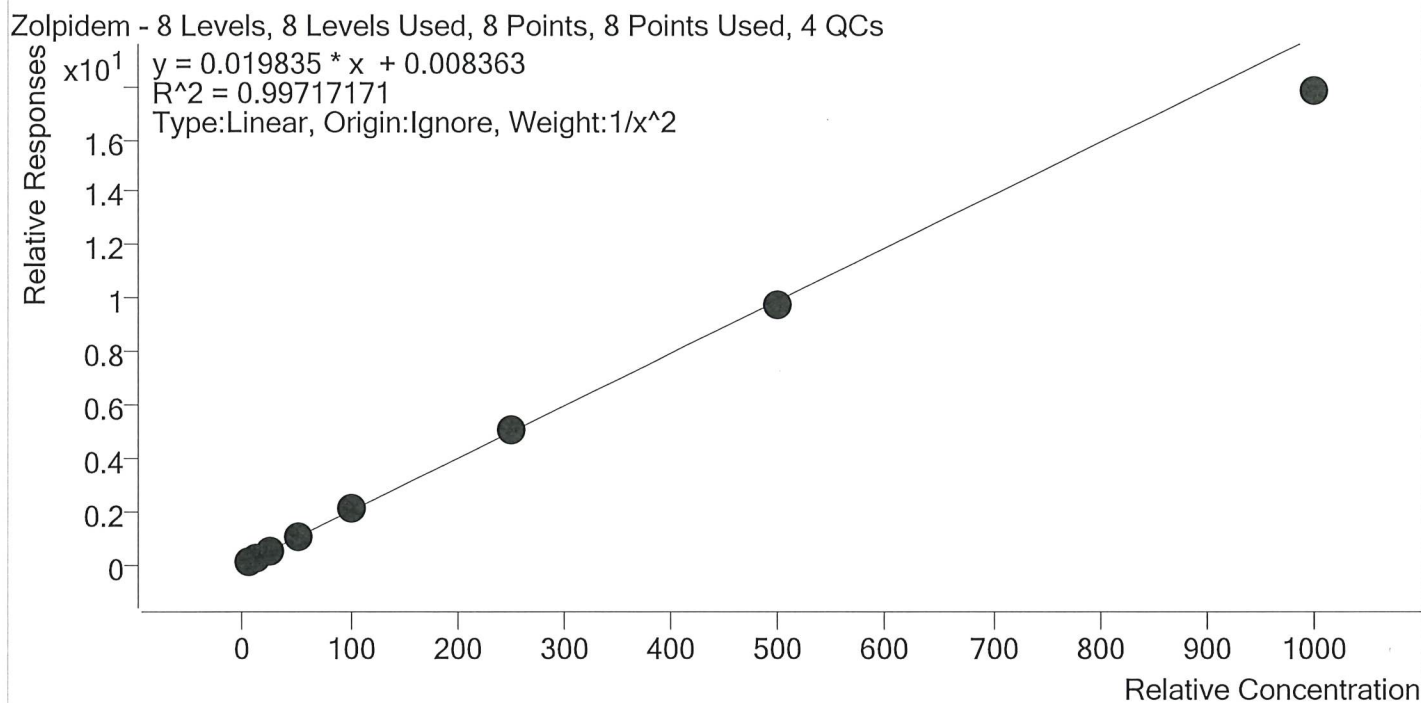
Zolpidem - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.019835 * x + 0.008363$
$R^2 = 0.99717171$
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	10.0	100.0
p1 Cal 3 -25ng	3	✓	25.0	25.7	102.6
p1 Cal 4-50ng	4	✓	50.0	52.1	104.1
p1 Cal 5-100ng	5	✓	100.0	102.9	102.9
p1 Cal 6-250ng	6	✓	250.0	257.6	103.0
p1 Cal 7-500ng	7	✓	500.0	493.5	98.7
p1 Cal 8-1000ng	8	✓	1000.0	897.3	89.7

AM #28 Multi-Drug Quant. Results

**Batch results** D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin
Calibration Last Update 9/21/2020 10:24:20 AM

Instrument	Falco	**Data File**	p1 Cal 1-5ng.d
Type	Cal	**Sample**	p1 Cal 1-5ng
Acq. Method	MDQ P1 060520.m	**Operator**	Sophia Jackson
Sample Position	P5-A1	**Comment**	
Injection Volume	2		
Acq. Date-Time	9/17/2020 10:20:07 PM		
Sample Info.			

Sample Chromatogram

+ TIC MRM (** -> **) p1 Cal 1-5ng.d (p1 Cal 1-5ng)
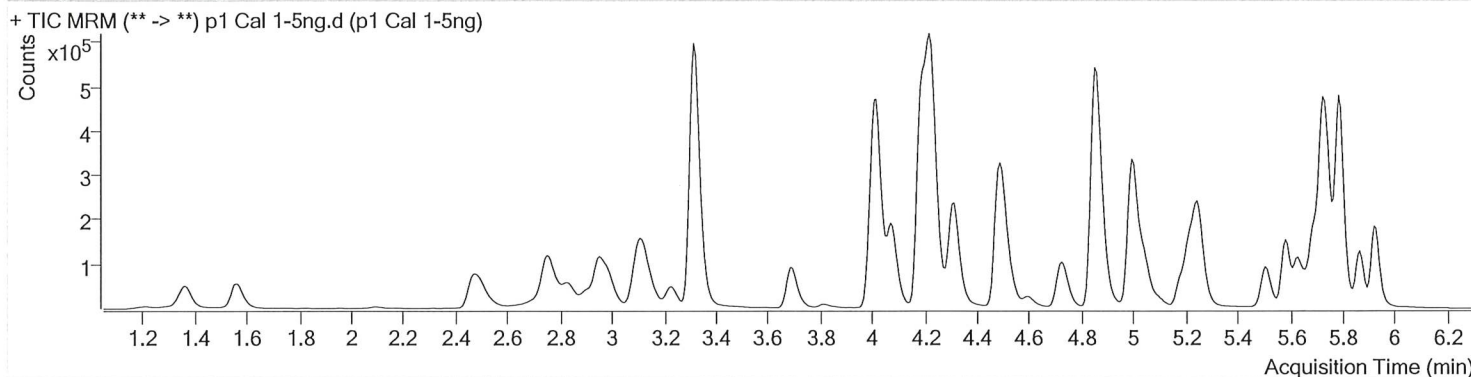
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.092	1516	6067.61	75.6	1862.38	64973	0.4968 ng/ml
7-aminoclonazepam	4.230	28169	∞	82.6	∞	210996	5.0807 ng/ml
a-hydroxyalprazolam	5.674	14118	237.56	65.6	319.15	68706	4.8300 ng/ml
alpha-PVP	4.322	64095	922.29	49.7	3011.05	557323	5.2971 ng/ml
Alprazolam	5.751	53390	578.00	103.6	513.50	296804	5.3915 ng/ml
Amphetamine	2.990	54262	703.04	47.7	409.54	94595	4.7818 ng/ml
Benzoylecgonine	3.845	2730	323.63	7.4	20.81	19467	5.1425 ng/ml
Buprenorphine	5.687	746	∞	15.4	7.14 **Low**	55022	0.5126 ng/ml
Bupropion	4.739	41833	1113.23	62.9	236.46	261492	4.9482 ng/ml
Carisoprodol	5.700	26745	783.05	56.6	73.93	271016	4.9725 ng/ml
Citalopram	5.183	18253	135.78	40.7	147.59	162841	5.2525 ng/ml
Clonazepam	5.588	68786	1788.94	33.2	∞	159854	4.8958 ng/ml
Cocaine	4.223	74441	531.52	47.4	2465.71	1036288	5.1935 ng/ml
Codeine	2.536	8558	129.24	101.1	18385.52	76062	5.0918 ng/ml
Cyclobenzaprine	5.598	7035	1106.21	10.3	113.51	56635	5.0411 ng/ml
Dextromethorphan	5.226	8705	326.48	82.5	185.22	82422	5.0290 ng/ml
Dextrorphan	4.077	16049	8483.46	207.1	∞	403736	5.1059 ng/ml
Diazepam	5.929	37064	370.80	85.3	355.85	342729	5.0635 ng/ml
Dihydrocodeine	2.502	21821	2369.66	63.3	1457.85	224136	4.8725 ng/ml
Diphenhydramine	5.253	29712	329.54	32.8	463.32	476349	5.3048 ng/ml
Doxylamine	4.508	112937	296.19	96.9	17425.01	909530	4.9878 ng/ml
EDDP	5.218	25997	353.67	42.0	2090.70	265110	5.0632 ng/ml
Fentanyl	5.047	970	36.06	67.9	∞	83329	0.5022 ng/ml
Fluoxetine	5.690	6755	567.71	9.2	1516.86	53600	5.2309 ng/ml
Hydrocodone	2.980	27706	157.69	37.0	34.12	332495	4.6864 ng/ml
Hydromorphone	1.574	24007	202.34	77.8	183.94	152886	4.9864 ng/ml
Ketamine	4.017	59010	4325.66	40.0	197.07	506971	4.9219 ng/ml
Lamotrigine	4.246	5254	151.80	82.3	1173.34	506971	4.8782 ng/ml
Lorazepam	5.722	57409	∞	56.6	189.35	159854	4.9463 ng/ml
MDA	3.137	47269	1030.83	18.3	40.23	175188	4.8641 ng/ml
MDMA	3.237	41471	∞	59.7	535.82	72858	5.0172 ng/ml
Meprobamate	4.869	10149	∞	27.0	135.45	106114	4.8841 ng/ml
Methadone	5.629	20493	249.08	52.7	353.86	188842	5.0298 ng/ml

AM #28 Multi-Drug Quant. Results

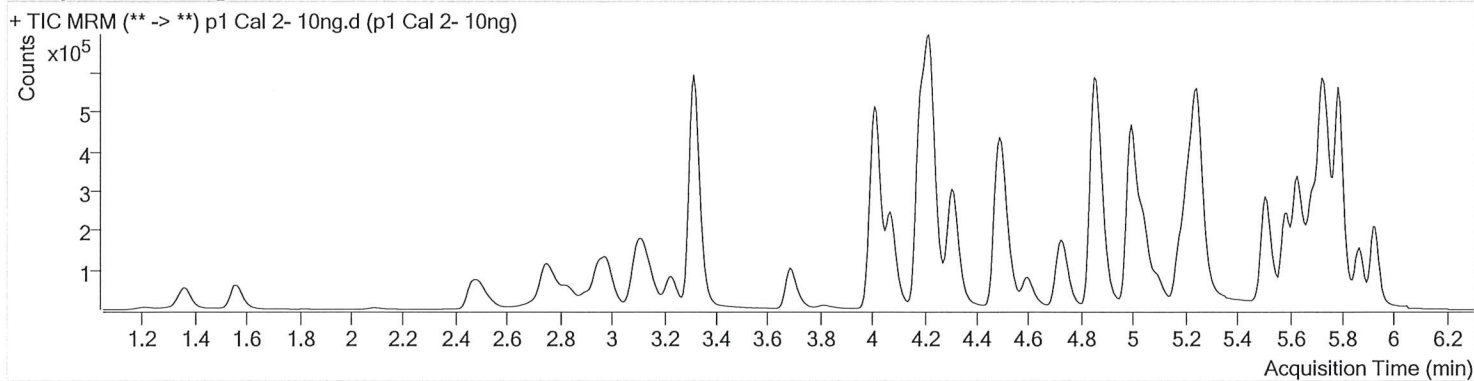| Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methamphetamine	3.165	27363	71.81	42.7	138.79	295195	4.8369 ng/ml
Metoprolol	4.285	10726	863.81	100.7	2564.57	1273930	4.6362 ng/ml
Mirtazapine	4.596	36644	1662.96	49.9	574.16	188842	5.4465 ng/ml
Mitragynine	5.188	3868	154.35	35.2	13741.12	188842	5.2318 ng/ml
Morphine	1.220	3941	2440.53	25.4	26.26	8616	4.8638 ng/ml
Norbuprenorphine	4.944	138	∞	54.4 **Low**	13.29	7841	0.5519 ng/ml
Nordiazepam	5.876	34890	1914.55	58.0	483.17	222505	4.9776 ng/ml
Norfentanyl	4.044	9835	10333.48	38.8	100.47	872641	0.5146 ng/ml
Norhydrocodone	3.014	2715	210.67	43.5	42.40	58376	5.1663 ng/ml
Noroxycodone	2.852	22991	263.22	50.0	243.94	153920	5.0038 ng/ml
O-desmethyl-tramadol	3.323	142733	960.09	6.1	176.52	1524952	5.0508 ng/ml
Oxazepam	5.732	61127	5673.41	72.1	200.59	711059	4.9140 ng/ml
Oxycodone	2.782	53690	630.24	30.7	744.47	440167	4.9774 ng/ml
Oxymorphone	1.370	23317	1043.02	49.4	200.02	164556	4.9126 ng/ml
Phentermine	3.723	9584	332.69	3.0	12.57	266288	4.8962 ng/ml
Promethazine	5.508	16401	306.46	30.6	103.39	146477	5.4963 ng/ml
Quetiapine	5.505	18943	72.32	61.9	64.66	49222	4.9597 ng/ml
Sertraline	5.751	3641	110.35	86.8	4520.38	28810	6.0442 ng/ml
Temazepam	5.792	95075	1360.54	29.4	246.98	928242	5.0963 ng/ml
Tramadol	4.197	129220	945.59	3.5	∞	1273930	4.9523 ng/ml
Trazodone	5.093	20093	15511.18	79.2	737.94	164232	4.7243 ng/ml
Venlafaxine	5.001	79381	1722.33	36.2	609.05	851234	5.4049 ng/ml
Zolpidem	4.872	144541	86023.20	30.8	5440.41	1357454	4.9467 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin
Calibration Last Update 9/21/2020 10:24:20 AM

Instrument	Falco	**Data File**	p1 Cal 2- 10ng.d
Type	Cal	**Sample**	p1 Cal 2- 10ng
Acq. Method	MDQ P1 060520.m	**Operator**	Sophia Jackson
Sample Position	P5-B1	**Comment**	
Injection Volume	2		
Acq. Date-Time	9/17/2020 10:30:53 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	3.092	2947	1437.45	69.9	751.49	62686	1.0086 ng/ml
7-aminoclonazepam	4.230	53148	1229.45	82.0	316.66	199939	9.8131 ng/ml
a-hydroxyalprazolam	5.668	26744	1138.09	64.0	352.93	63559	10.2455 ng/ml
alpha-PHP	4.881	36388	∞	270.0	1606.79	631719	9.3866 ng/ml
alpha-PVP	4.322	145326	456.58	50.1	210.37	631719	10.1469 ng/ml
Alprazolam	5.751	98294	535.10	108.2	2333.86	278161	10.0566 ng/ml
Amphetamine	2.983	119585	3039.57	48.7	1062.96	100135	10.6339 ng/ml
Benzoylecgonine	3.838	4612	682.73	7.2	35.85	18241	9.5120 ng/ml
Buprenorphine	5.687	3223	∞	17.6	21.37	142352	0.9381 ng/ml
Bupropion	4.739	127438	270.21	60.3	222.92	387984	10.2130 ng/ml
Carisoprodol	5.700	50229	5359.88	55.9	321.22	255416	9.9462 ng/ml
Citalopram	5.183	78815	188.53	41.5	40734.66	360362	9.9886 ng/ml
Clonazepam	5.581	127565	7235.63	34.0	530.05	150471	10.0644 ng/ml
Cocaine	4.223	150865	231433.29	45.8	295.55	1083339	9.9398 ng/ml
Codeine	2.536	15340	428.00	103.3	63362.91	69526	9.7701 ng/ml
Cyclobenzaprine	5.598	53341	55.28	9.6	347.22	211753	10.0954 ng/ml
Dextromethorphan	5.219	44862	2838.83	77.3	1561.18	211196	10.0632 ng/ml
Dextrorphan	4.077	38255	433.10	211.2	258.69	487785	10.0058 ng/ml
Diazepam	5.929	65789	466.09	89.5	427.27	322093	9.7110 ng/ml
Dihydrocodeine	2.502	39371	8586.51	64.7	2554.77	209744	10.0852 ng/ml
Diphenhydramine	5.253	136604	441.88	32.4	348.64	1162757	9.7558 ng/ml
Doxylamine	4.500	266181	6461.11	97.1	34407.85	1074113	10.0586 ng/ml
EDDP	5.218	88609	3705.81	43.1	649.64	474978	9.7728 ng/ml
Fentanyl	5.047	5077	341.96	67.5	6804.63	222227	1.0171 ng/ml
Fluoxetine	5.690	48750	∞	7.8	∞	221610	9.1982 ng/ml
Hydrocodone	2.980	54236	∞	36.9	68.06	312847	10.7773 ng/ml
Hydromorphone	1.567	44802	244.46	76.2	∞	142674	10.0125 ng/ml
Ketamine	4.017	111961	4799.62	38.3	161.27	484011	10.1499 ng/ml
Lamotrigine	4.239	10178	306.42	88.0	656.52	484011	10.2408 ng/ml
Lorazepam	5.722	102535	515.24	58.3	381.46	150471	10.1075 ng/ml
MDA	3.137	112425	2211.64	18.3	179.48	212390	10.2509 ng/ml
MDMA	3.237	97895	94253.48	62.2	2057.85	89332	9.8076 ng/ml
Meprobamate	4.869	19103	2314.81	26.9	126.66	99991	10.3096 ng/ml

AM #28 Multi-Drug Quant. Results

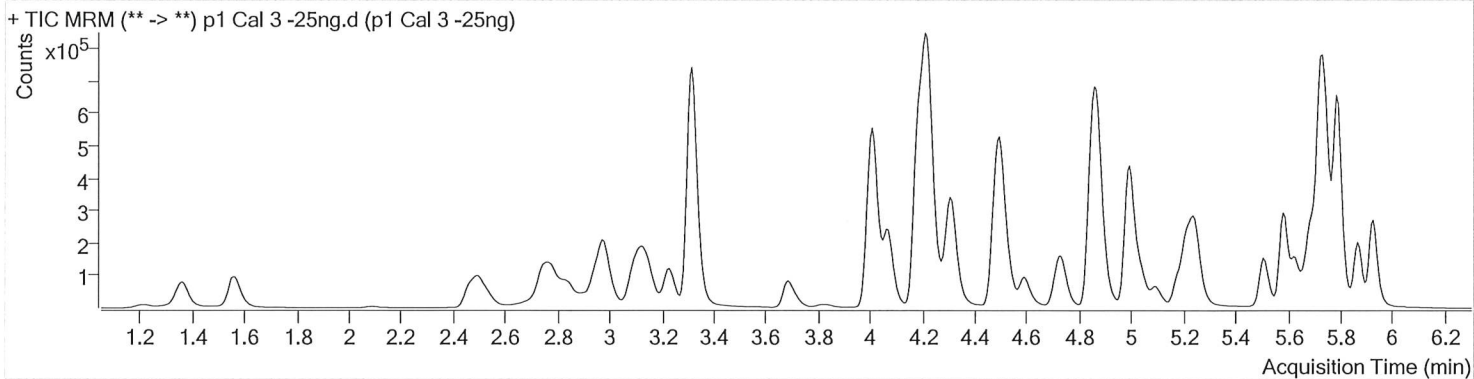| Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.629	113202	135.19	52.9	468.35	531873	9.9846 ng/ml
Methamphetamine	3.165	60511	146.29	39.8	119.73	319938	10.4149 ng/ml
Metoprolol	4.278	24430	2568.10	97.5	502.33	1269799	11.2820 ng/ml
Mirtazapine	4.596	144399	20423.48	50.8	1342.18	531873	7.4208 ng/ml
Mitragynine	5.181	18863	642.66	39.4	1313.56	531873	9.1504 ng/ml
Morphine	1.220	7444	574.41	23.6	356.96	7648	10.4672 ng/ml
Norbuprenorphine	4.950	498	38.72	84.9	3544.46	18143	0.9974 ng/ml
Nordiazepam	5.876	64439	908.76	56.8	489.55	209148	9.9871 ng/ml
Norfentanyl	4.037	21551	4633.39	39.5	182.70	951939	0.9770 ng/ml
Norhydrocodone	3.014	5731	164.56	40.5	39.54	59105	9.7775 ng/ml
Noroxycodone	2.852	41650	815.84	47.6	348.08	139384	10.0124 ng/ml
O-desmethyl-tramadol	3.323	258218	1866.10	6.1	347.12	1396819	9.8981 ng/ml
Oxazepam	5.732	112487	787.26	71.1	∞	669201	10.1175 ng/ml
Oxycodone	2.782	97163	725.53	30.9	1002.98	409961	9.9542 ng/ml
Oxymorphone	1.363	42790	1143.49	48.4	314.25	147666	10.2905 ng/ml
Phentermine	3.723	21698	1444.08	2.5	20.19	310149	10.0573 ng/ml
Promethazine	5.515	113854	156.90	28.7	1359.21	494908	10.4553 ng/ml
Quetiapine	5.512	74996	2375.25	60.4	∞	100273	9.8756 ng/ml
Sertraline	5.758	22575	∞	98.9	∞	110359	9.0790 ng/ml
Temazepam	5.792	179855	2235.76	29.8	361.11	905497	9.7673 ng/ml
Tramadol	4.197	253959	1731.02	3.5	464.65	1269799	10.1022 ng/ml
Trazodone	5.093	88841	∞	76.8	∞	348081	10.3479 ng/ml
Venlafaxine	4.994	197806	1119.30	36.3	1011.57	1085563	10.0918 ng/ml
Zolpidem	4.872	283741	617.13	30.9	1504.55	1372833	9.9986 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results   D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin
Calibration Last Update   9/21/2020 10:24:20 AM

Instrument	Falco	**Data File**	p1 Cal 3 -25ng.d
Type	Cal	**Sample**	p1 Cal 3 -25ng
Acq. Method	MDQ P1 060520.m	**Operator**	Sophia Jackson
Sample Position	P5-C1	**Comment**	
Injection Volume	2		
Acq. Date-Time	9/17/2020 10:41:29 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	3.092	7132	∞	72.6	690.14	61614	2.4942 ng/ml
7-aminoclonazepam	4.230	139285	3061.23	81.0	5323.45	207904	24.2674 ng/ml
a-hydroxyalprazolam	5.668	66914	547.62	64.0	770.18	62682	26.5132 ng/ml
alpha-PHP	4.881	54417	1116.77	260.1	15339.72	498030	23.2984 ng/ml
alpha-PVP	4.315	287081	7825.28	50.0	501.89	498030	24.7490 ng/ml
Alprazolam	5.751	239126	800.18	105.7	2165.80	272902	24.1165 ng/ml
Amphetamine	2.983	229970	2944.40	48.3	1408.68	80910	26.1742 ng/ml
Benzoylecgonine	3.838	11209	108.71	8.5	∞	17640	24.3657 ng/ml
Buprenorphine	5.687	2652	49.48	14.6	55.15	45782	2.5900 ng/ml
Bupropion	4.739	183944	1069.07	60.9	516.48	231850	24.7411 ng/ml
Carisoprodol	5.700	124827	∞	53.5	269.63	245574	25.7679 ng/ml
Citalopram	5.176	76799	496.14	40.9	128.89	141909	24.3128 ng/ml
Clonazepam	5.581	321036	6719.48	33.6	4759.95	150617	25.9577 ng/ml
Cocaine	4.216	335907	71020.93	45.4	1411.01	961752	24.7229 ng/ml
Codeine	2.536	38237	293.29	104.5	910.54	68447	24.3943 ng/ml
Cyclobenzaprine	5.598	29198	2554.33	9.6	80.39	48812	23.8012 ng/ml
Dextromethorphan	5.219	34410	557.78	80.9	1108.05	68038	23.8895 ng/ml
Dextrorphan	4.070	70129	848.77	209.8	772.51	356553	24.9887 ng/ml
Diazepam	5.929	160788	1231.91	87.6	1792.84	308449	25.0410 ng/ml
Dihydrocodeine	2.502	99334	16090.54	65.3	4030.34	211848	26.3072 ng/ml
Diphenhydramine	5.247	122182	559.50	32.2	917.38	402649	24.7756 ng/ml
Doxylamine	4.500	529897	14133.91	97.8	∞	868315	24.9228 ng/ml
EDDP	5.218	122886	3485.37	42.5	362.25	261310	24.8725 ng/ml
Fentanyl	5.047	3590	97.97	62.8	4237.37	68426	2.3778 ng/ml
Fluoxetine	5.690	25573	202.37	8.6	157.57	45316	23.7372 ng/ml
Hydrocodone	2.973	126269	∞	39.4	166.88	303644	27.1812 ng/ml
Hydromorphone	1.567	110417	479.86	77.3	3283.92	138189	25.5401 ng/ml
Ketamine	4.010	259216	7381.45	39.5	1323.77	457929	25.3779 ng/ml
Lamotrigine	4.239	24047	1635.23	80.3	3127.46	457929	26.0712 ng/ml
Lorazepam	5.722	248206	∞	55.3	1632.20	150617	25.5848 ng/ml
MDA	3.130	203253	1956.87	18.6	396.57	158981	25.8010 ng/ml
MDMA	3.231	181880	∞	59.6	2509.73	64286	25.5739 ng/ml
Meprobamate	4.862	45307	1063.33	26.9	275.29	99271	25.4011 ng/ml

AM #28 Multi-Drug Quant. Results

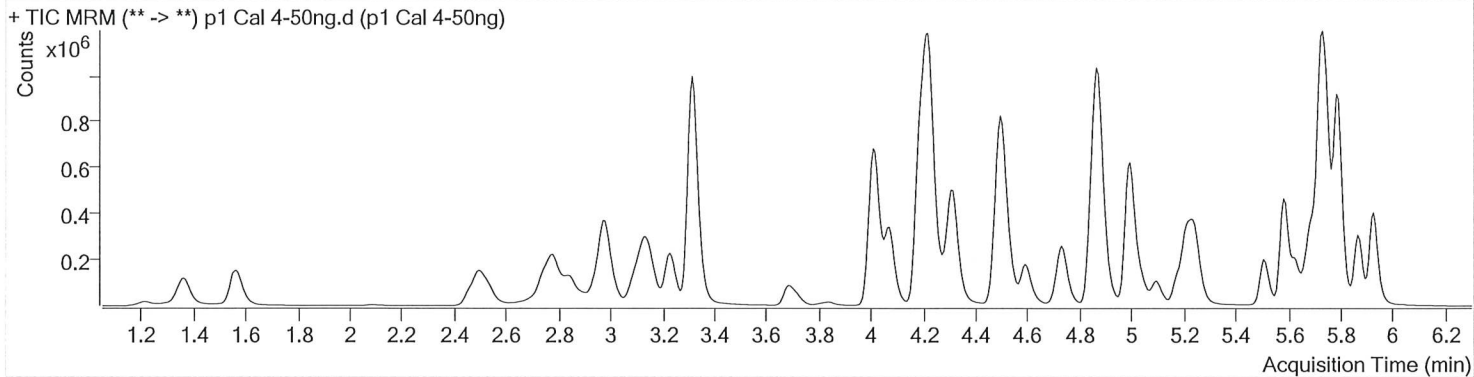| Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.629	84751	6279.82	52.5	4066.65	161152	24.8553 ng/ml
Methamphetamine	3.158	121595	375.14	41.5	1199.87	266476	25.8681 ng/ml
Metoprolol	4.278	49842	75644.97	98.9	1539.30	1174420	25.5328 ng/ml
Mirtazapine	4.589	157126	6398.19	49.1	5264.05	161152	25.3560 ng/ml
Mitragynine	5.181	15615	1105.41	33.1	304.33	161152	25.2178 ng/ml
Morphine	1.220	17993	327.32	24.5	∞	7693	25.2958 ng/ml
Norbuprenorphine	4.944	365	18.45	84.5	332.74	6386	2.3378 ng/ml
Nordiazepam	5.876	156207	2911.25	57.0	1177.94	202981	25.2662 ng/ml
Norfentanyl	4.037	47478	1490.56	37.4	1349.42	834926	2.3690 ng/ml
Norhydrocodone	3.007	12582	69.15	44.8	77.86	51907	23.0692 ng/ml
Noroxycodone	2.845	104662	1032.49	49.0	2285.39	142073	24.6873 ng/ml
O-desmethyl-tramadol	3.317	654621	13787.94	6.0	1503.57	1422880	24.5155 ng/ml
Oxazepam	5.726	268240	3657.57	71.1	2058.82	647263	25.7253 ng/ml
Oxycodone	2.776	240161	1856.97	31.7	1362.75	407473	25.2008 ng/ml
Oxymorphone	1.363	106711	∞	46.6	1376.24	152893	25.1151 ng/ml
Phentermine	3.723	41033	209.70	2.7	∞	234920	25.9651 ng/ml
Promethazine	5.508	71455	4045.82	30.8	217.91	130673	23.7586 ng/ml
Quetiapine	5.505	84173	8470.98	61.0	39628.64	43859	25.7340 ng/ml
Sertraline	5.751	13589	173.02	88.6	203.76	23390	23.6892 ng/ml
Temazepam	5.792	429949	1840.51	30.5	916.85	864883	24.2604 ng/ml
Tramadol	4.197	573430	827.11	3.4	197.98	1174420	25.1638 ng/ml
Trazodone	5.093	81719	66781.77	78.6	3287.32	138058	24.5962 ng/ml
Venlafaxine	4.994	352566	5580.97	36.1	623.53	775849	24.4334 ng/ml
Zolpidem	4.872	649110	124967.14	31.0	∞	1255216	25.6503 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results   D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin
Calibration Last Update   9/21/2020 10:24:20 AM

Instrument	Falco	**Data File**	p1 Cal 4-50ng.d
Type	Cal	**Sample**	p1 Cal 4-50ng
Acq. Method	MDQ P1 060520.m	**Operator**	Sophia Jackson
Sample Position	P5-D1	**Comment**	
Injection Volume	2		
Acq. Date-Time	9/17/2020 10:52:04 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	3.092	14942	32757.20	69.6	4271.86	62791	5.1355 ng/ml
7-aminoclonazepam	4.230	271153	316.89	81.1	3877.08	196324	49.7044 ng/ml
a-hydroxyalprazolam	5.668	132260	798.22	63.1	833.65	61033	54.1705 ng/ml
alpha-PHP	4.881	111745	19769.54	267.7	23564.25	502721	53.7300 ng/ml
alpha-PVP	4.315	580234	3094.59	50.2	746.63	502721	49.1050 ng/ml
Alprazolam	5.751	477440	2175.99	104.8	2219.84	271731	47.8015 ng/ml
Amphetamine	2.983	475628	4372.46	49.2	12061.18	84555	52.4141 ng/ml
Benzoylecgonine	3.838	22887	4211.93	7.8	∞	17475	50.5426 ng/ml
Buprenorphine	5.687	4344	106.49	19.1	∞	40642	4.8821 ng/ml
Bupropion	4.739	368137	2516.79	61.1	732.51	225269	51.0161 ng/ml
Carisoprodol	5.700	242554	3337542.17	54.1	1393.23	242709	50.6971 ng/ml
Citalopram	5.176	141021	1054.68	41.5	372.17	128766	48.9212 ng/ml
Clonazepam	5.581	639729	19424.24	33.3	17181.81	145402	54.0404 ng/ml
Cocaine	4.216	681113	46740.69	45.1	25648.86	950796	50.5640 ng/ml
Codeine	2.536	79532	2023.50	103.3	1343.77	70236	49.2176 ng/ml
Cyclobenzaprine	5.598	38256	664.00	9.0	70.34	31624	48.0082 ng/ml
Dextromethorphan	5.219	61444	1622.95	80.4	∞	58215	49.8026 ng/ml
Dextrorphan	4.070	145239	6133.23	212.9	862.72	367951	50.0793 ng/ml
Diazepam	5.929	322971	1492.22	89.1	1068.34	309111	50.3582 ng/ml
Dihydrocodeine	2.502	204484	6446.03	65.2	6303.44	214439	54.2695 ng/ml
Diphenhydramine	5.247	228003	596.07	32.7	1189.10	369756	50.0711 ng/ml
Doxylamine	4.500	1021619	19657.87	97.7	∞	831812	50.2645 ng/ml
EDDP	5.211	275535	3434.29	43.2	1590.45	292167	50.0358 ng/ml
Fentanyl	5.047	5277	295.38	68.7	595.89	48971	4.9182 ng/ml
Fluoxetine	5.683	31602	26898.30	8.7	2096.15	26220	50.7993 ng/ml
Hydrocodone	2.973	249483	∞	39.1	433.56	311765	53.1849 ng/ml
Hydromorphone	1.567	220561	957.85	79.0	∞	144733	48.7473 ng/ml
Ketamine	4.017	528336	18765.96	39.8	∞	457759	52.1326 ng/ml
Lamotrigine	4.239	48246	12655.23	83.3	20208.77	457759	52.6623 ng/ml
Lorazepam	5.722	478091	693.98	56.2	3461.33	145402	51.8493 ng/ml
MDA	3.137	406849	25773.29	18.8	1414.11	156865	53.0999 ng/ml
MDMA	3.231	375143	∞	60.5	7229.53	66815	50.9092 ng/ml
Meprobamate	4.862	88834	611.31	26.2	771.65	94853	52.7087 ng/ml

AM #28 Multi-Drug Quant. Results

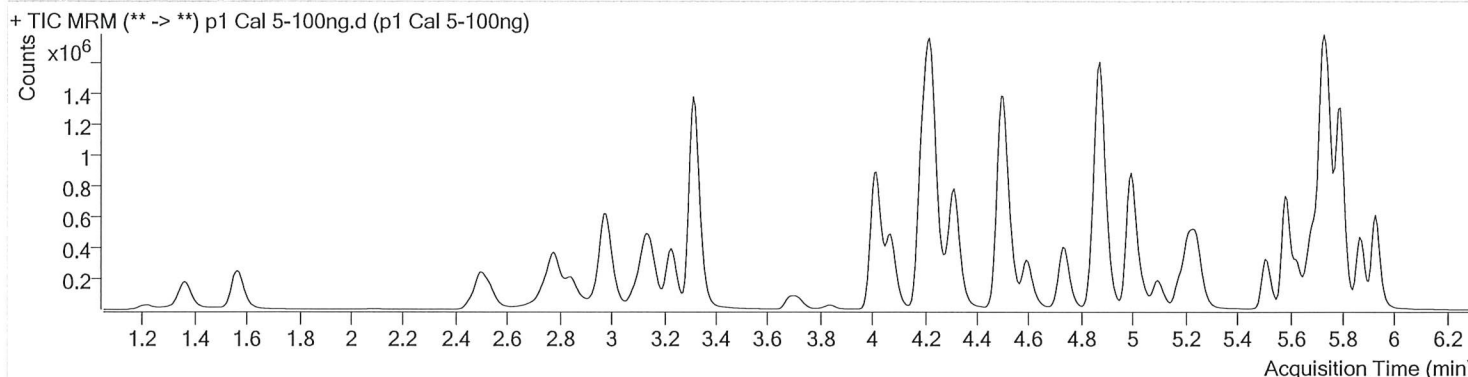| Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.629	144135	3772.24	54.2	990.33	140512	48.5986 ng/ml
Methamphetamine	3.158	239952	1421.29	42.1	556.78	264040	52.0387 ng/ml
Metoprolol	4.278	100413	134024.63	98.1	2162.46	1169805	52.1903 ng/ml
Mirtazapine	4.589	309600	68225.98	49.5	∞	140512	56.6706 ng/ml
Mitragynine	5.181	25708	441.36	38.6	27005.75	140512	47.7256 ng/ml
Morphine	1.220	36955	1043.70	24.6	762.52	7810	51.2770 ng/ml
Norbuprenorphine	4.944	732	796.16	93.4	787.33	6272	5.0277 ng/ml
Nordiazepam	5.869	309041	1618.50	57.6	5163.73	199494	51.0776 ng/ml
Norfentanyl	4.037	93165	1504.82	37.5	374.36	807855	4.7466 ng/ml
Norhydrocodone	3.014	25256	303.00	40.7	98.73	50248	46.8552 ng/ml
Noroxycodone	2.845	210074	1234.39	48.2	455.44	138264	50.9186 ng/ml
O-desmethyl-tramadol	3.317	1328753	50784.22	6.0	735.20	1425236	49.5981 ng/ml
Oxazepam	5.726	509513	59204.16	71.9	4182.78	623649	51.2322 ng/ml
Oxycodone	2.776	501717	2901.90	31.8	1344.65	414086	52.1225 ng/ml
Oxymorphone	1.363	211095	1202.32	48.6	469.96	151455	50.3873 ng/ml
Phentermine	3.723	86287	∞	2.8	121.48	239284	54.2146 ng/ml
Promethazine	5.508	93410	11266.44	30.1	246.30	81983	48.6441 ng/ml
Quetiapine	5.505	164438	8586.52	61.2	∞	41378	53.5561 ng/ml
Sertraline	5.751	16128	∞	92.7	409.42	13190	48.5983 ng/ml
Temazepam	5.792	878350	1699.39	29.5	1974.10	868714	49.2160 ng/ml
Tramadol	4.197	1158432	3704.47	3.4	5545.47	1169805	51.3933 ng/ml
Trazodone	5.093	147824	30018.88	80.7	∞	120815	51.3269 ng/ml
Venlafaxine	4.994	726718	2876.08	36.4	5392.48	796474	48.5629 ng/ml
Zolpidem	4.872	1321366	95612.45	30.8	2967.31	1269346	52.0612 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results   D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin
Calibration Last Update   9/21/2020 10:24:20 AM

Instrument	Falco	**Data File**	p1 Cal 5-100ng.d
Type	Cal	**Sample**	p1 Cal 5-100ng
Acq. Method	MDQ P1 060520.m	**Operator**	Sophia Jackson
Sample Position	P5-E1	**Comment**	
Injection Volume	2		
Acq. Date-Time	9/17/2020 11:02:41 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	3.092	27038	52143.98	72.8	747.70	58849	9.9221 ng/ml
7-aminoclonazepam	4.230	543105	32017.91	82.6	411.40	197789	98.5155 ng/ml
a-hydroxyalprazolam	5.668	245919	1020.95	60.5	1068.73	58626	105.1737 ng/ml
alpha-PHP	4.881	188889	7436.84	266.8	41686.37	472561	101.5082 ng/ml
alpha-PVP	4.315	1089193	3066.40	49.5	3746.05	472561	97.6135 ng/ml
Alprazolam	5.751	852906	4188.33	104.4	3971.60	234582	98.3233 ng/ml
Amphetamine	2.983	880784	8200.69	50.3	5708.59	82487	100.0590 ng/ml
Benzoylecgonine	3.838	45241	10462.00	7.5	417.87	17617	99.3910 ng/ml
Buprenorphine	5.687	8427	250.94	17.2	114.84	38352	10.1662 ng/ml
Bupropion	4.739	646674	14783.64	61.4	1465.43	201697	100.1379 ng/ml
Carisoprodol	5.700	437242	1636385.47	54.3	∞	217814	101.8730 ng/ml
Citalopram	5.176	261455	4813.36	41.4	2399.25	116823	99.6874 ng/ml
Clonazepam	5.581	1129229	10979.55	33.6	12532.13	133603	104.2119 ng/ml
Cocaine	4.223	1231823	187856.66	45.8	1239448.67	889458	97.6258 ng/ml
Codeine	2.536	145895	632.89	103.3	1134.88	64535	98.0392 ng/ml
Cyclobenzaprine	5.598	75094	∞	9.7	130.02	29679	100.2766 ng/ml
Dextromethorphan	5.219	119720	20244.83	81.3	13333.59	56611	99.7364 ng/ml
Dextrorphan	4.070	266070	1783.71	213.8	1979.19	343750	98.1347 ng/ml
Diazepam	5.929	593154	755.45	86.8	4704.01	283192	101.1171 ng/ml
Dihydrocodeine	2.495	372617	44878.89	65.5	10430.95	201844	105.7584 ng/ml
Diphenhydramine	5.247	422600	1904.30	32.4	467.04	349055	98.0528 ng/ml
Doxylamine	4.500	1971910	∞	96.3	∞	815328	99.0824 ng/ml
EDDP	5.218	463482	2214.69	43.4	1518.71	248106	99.2660 ng/ml
Fentanyl	5.047	10443	1010.91	65.4	21454.50	50105	9.5428 ng/ml
Fluoxetine	5.683	61433	2188.86	8.8	271.19	24872	104.2016 ng/ml
Hydrocodone	2.973	453773	∞	40.1	224.28	296706	102.5113 ng/ml
Hydromorphone	1.567	415525	713.07	79.5	∞	134192	99.0930 ng/ml
Ketamine	4.017	987868	∞	39.2	6366.99	437605	102.3222 ng/ml
Lamotrigine	4.239	88298	19472.23	81.1	6242.28	437605	101.1230 ng/ml
Lorazepam	5.722	790632	2960.40	56.8	2746.55	133603	93.9604 ng/ml
MDA	3.130	744540	12998.69	18.5	1373.91	146095	105.0484 ng/ml
MDMA	3.231	681455	31672.43	60.9	7595.91	61891	99.9876 ng/ml
Meprobamate	4.862	155889	6723.96	25.7	1205.26	86333	102.1379 ng/ml

AM #28 Multi-Drug Quant. Results

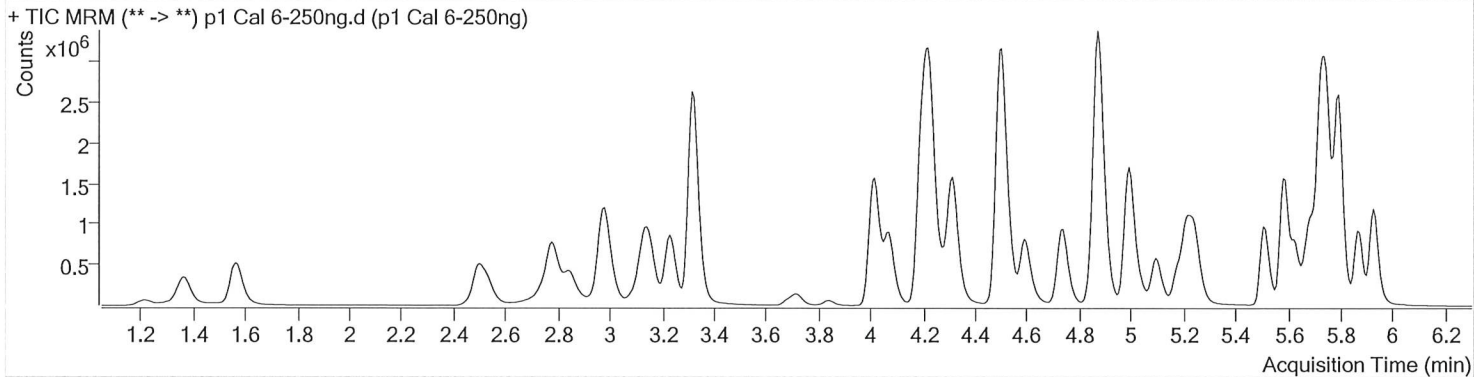| Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.629	276668	50409.66	53.1	3958.23	135288	97.0116 ng/ml
Methamphetamine	3.158	459789	3073.64	42.9	1018.46	256701	103.0754 ng/ml
Metoprolol	4.278	186292	399354.32	96.8	∞	1127667	100.9393 ng/ml
Mirtazapine	4.589	563899	6844.51	49.3	10689.97	135288	106.7585 ng/ml
Mitragynine	5.181	49730	3876.52	38.7	8532.39	135288	96.0133 ng/ml
Morphine	1.220	69650	1852.25	24.2	326.08	7741	97.6035 ng/ml
Norbuprenorphine	4.937	1290	89.59	94.1	∞	5527	10.2934 ng/ml
Nordiazepam	5.869	563453	998.18	57.4	8878.49	182387	102.0739 ng/ml
Norfentanyl	4.037	176488	2790.01	36.7	361.22	763389	9.4590 ng/ml
Norhydrocodone	3.014	45707	488.20	42.0	99.74	43697	96.5190 ng/ml
Noroxycodone	2.845	384064	4951.97	50.1	529.82	129806	99.1588 ng/ml
O-desmethyl-tramadol	3.317	2471573	5756.34	6.0	1020.28	1336363	98.3132 ng/ml
Oxazepam	5.726	908071	∞	70.7	∞	533819	107.2491 ng/ml
Oxycodone	2.776	944583	4472.08	31.3	4273.64	397009	102.6414 ng/ml
Oxymorphone	1.363	391384	∞	47.2	901.73	136148	104.1730 ng/ml
Phentermine	3.723	156110	∞	2.6	174.34	225705	104.5115 ng/ml
Promethazine	5.508	182966	16923.26	31.7	435.45	79908	96.9546 ng/ml
Quetiapine	5.505	295619	∞	60.2	∞	38754	103.0294 ng/ml
Sertraline	5.751	29710	322.14	87.9	4540.05	11933	97.7756 ng/ml
Temazepam	5.792	1605414	1983.98	29.6	730.06	788131	99.0276 ng/ml
Tramadol	4.197	2174249	1356.62	3.4	2486.41	1127667	100.3931 ng/ml
Trazodone	5.093	281707	2316.38	77.5	12991.43	116371	101.9915 ng/ml
Venlafaxine	4.994	1339233	4310.97	35.5	3357.40	726271	97.6429 ng/ml
Zolpidem	4.872	2427084	2264.59	30.9	4926.50	1184519	102.8823 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results   D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin
Calibration Last Update   9/21/2020 10:24:20 AM

Instrument	Falco	**Data File**	p1 Cal 6-250ng.d
Type	Cal	**Sample**	p1 Cal 6-250ng
Acq. Method	MDQ P1 060520.m	**Operator**	Sophia Jackson
Sample Position	P5-F1	**Comment**	
Injection Volume	2		
Acq. Date-Time	9/17/2020 11:13:17 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	3.092	67920	51987.83	70.5	3199.39	57471	25.5339 ng/ml
7-aminoclonazepam	4.230	1075938	10375.92	81.3	384.44	153146	251.5831 ng/ml
a-hydroxyalprazolam	5.668	533962	1301.52	62.2	1484.56	53574	250.3662 ng/ml
alpha-PHP	4.881	425411	7580.42	266.0	10703.19	439811	254.3317 ng/ml
alpha-PVP	4.315	2533804	61837.65	49.6	1680.96	439811	243.3153 ng/ml
Alprazolam	5.751	1897778	15411.26	105.4	∞	204095	250.5931 ng/ml
Amphetamine	2.983	1804970	21952.56	49.7	15623.72	76760	221.1008 ng/ml
Benzoylecgonine	3.838	113288	3721.45	7.9	973.85	17637	249.0543 ng/ml
Buprenorphine	5.687	21615	1017.70	16.3	2887.37	40279	25.0032 ng/ml
Bupropion	4.739	1639338	55283.58	60.8	2071.30	207067	247.3444 ng/ml
Carisoprodol	5.700	915596	626061.45	53.6	850.62	185622	250.3745 ng/ml
Citalopram	5.176	703739	816.59	41.3	1086.55	124637	251.0827 ng/ml
Clonazepam	5.581	2556324	75977.71	33.0	4377.44	120766	261.6390 ng/ml
Cocaine	4.216	2802955	68785.74	45.0	51134.08	794839	248.3757 ng/ml
Codeine	2.536	334110	2876.56	102.7	1703.37	57310	252.4677 ng/ml
Cyclobenzaprine	5.598	328325	15639.66	9.5	342.09	52145	249.3486 ng/ml
Dextromethorphan	5.219	354965	305.88	78.9	1581.30	65953	253.7503 ng/ml
Dextrorphan	4.070	601913	3162.83	209.9	2380.78	306634	248.7694 ng/ml
Diazepam	5.929	1339233	2879.99	88.1	12976.17	255863	252.9382 ng/ml
Dihydrocodeine	2.495	880953	∞	65.3	21487.33	196663	257.6869 ng/ml
Diphenhydramine	5.247	1137755	1061.32	32.4	465.04	370046	248.5989 ng/ml
Doxylamine	4.500	4832036	∞	96.8	129702.72	794919	249.1871 ng/ml
EDDP	5.211	1146849	2188.70	42.7	13011.38	244172	249.8184 ng/ml
Fentanyl	5.047	40149	3785.02	64.3	4647.48	73142	25.1873 ng/ml
Fluoxetine	5.683	268209	∞	8.6	∞	44799	252.6962 ng/ml
Hydrocodone	2.973	1030455	∞	39.2	∞	277057	250.6590 ng/ml
Hydromorphone	1.567	1009600	∞	74.3	2120.46	123108	262.5103 ng/ml
Ketamine	4.017	2359856	120418.88	39.6	14768.11	422685	253.6092 ng/ml
Lamotrigine	4.239	187941	21519.98	81.6	13438.73	422685	223.2375 ng/ml
Lorazepam	5.722	1336620	∞	57.7	14348.48	120766	176.4321 ng/ml
MDA	3.130	1591788	7914.60	18.0	1375.62	128124	257.1478 ng/ml
MDMA	3.231	1562882	267840.43	60.6	42609.28	57167	248.5043 ng/ml
Meprobamate	4.862	299955	545.62	25.5	741.49	75580	225.1576 ng/ml

AM #28 Multi-Drug Quant. Results

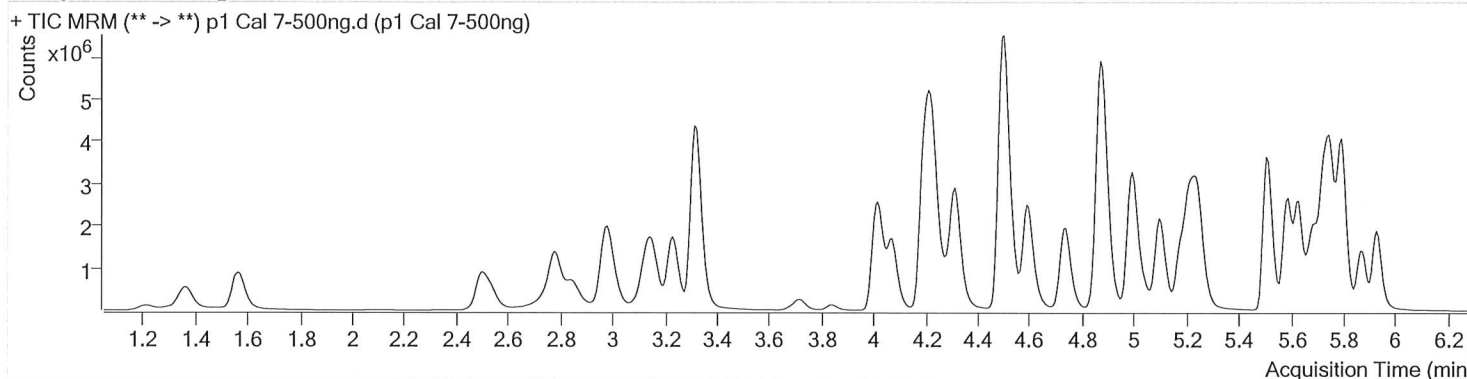| Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.629	821232	28589.37	53.7	16399.68	157110	248.1577 ng/ml
Methamphetamine	3.158	961535	8455.57	42.3	3888.04	221468	250.5959 ng/ml
Metoprolol	4.278	416469	212380.63	96.0	∞	997941	255.8087 ng/ml
Mirtazapine	4.589	1465813	10310.65	49.8	283296.26	157110	238.3476 ng/ml
Mitragynine	5.181	148361	7382.14	38.1	1943.64	157110	246.8510 ng/ml
Morphine	1.220	166652	971.20	24.1	961.04	7044	256.8108 ng/ml
Norbuprenorphine	4.944	3506	144.55	80.6	69.78	5859	26.7715 ng/ml
Nordiazepam	5.876	1253824	2514.93	58.2	2731.84	164721	251.8137 ng/ml
Norfentanyl	4.037	413285	45789.35	37.6	1621.35	694341	24.2643 ng/ml
Norhydrocodone	3.014	95504	149.86	43.9	238.37	34355	254.9957 ng/ml
Noroxycodone	2.845	844005	3072.20	49.5	482.11	115137	245.6736 ng/ml
O-desmethyl-tramadol	3.317	5979449	184388.34	5.9	2375.70	1259556	252.2275 ng/ml
Oxazepam	5.726	1700202	48098.84	72.7	48482.84	424735	253.0987 ng/ml
Oxycodone	2.776	2213055	31669.81	31.7	5767.36	380878	251.0951 ng/ml
Oxymorphone	1.363	874250	∞	48.8	2189.47	131010	242.1309 ng/ml
Phentermine	3.723	344950	∞	2.7	∞	203777	256.6129 ng/ml
Promethazine	5.508	776990	895.56	30.9	1673.36	137369	238.3356 ng/ml
Quetiapine	5.505	816421	∞	61.8	836075.07	42546	259.5621 ng/ml
Sertraline	5.751	127974	13837.83	91.5	436.65	20737	240.6698 ng/ml
Temazepam	5.792	3827546	99504.16	28.9	3687.39	741867	250.6310 ng/ml
Tramadol	4.197	4893807	4183.66	3.3	1716.68	997941	255.8753 ng/ml
Trazodone	5.093	907778	79274.60	78.2	∞	154477	248.2346 ng/ml
Venlafaxine	4.994	3108100	2320.53	36.0	3201.62	671141	244.4813 ng/ml
Zolpidem	4.872	5863979	190218.09	29.9	117962.72	1145752	257.6118 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results   D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin
Calibration Last Update   9/21/2020 10:24:20 AM

Instrument	Falco	**Data File**	p1 Cal 7-500ng.d
Type	Cal	**Sample**	p1 Cal 7-500ng
Acq. Method	MDQ P1 060520.m	**Operator**	Sophia Jackson
Sample Position	P5-G1	**Comment**	
Injection Volume	2		
Acq. Date-Time	9/17/2020 11:23:53 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	3.092	133988	3623.70	70.1	1838.61	58092	49.8405 ng/ml
7-aminoclonazepam	4.230	1567912	14799.20	81.4	39805.01	111150	504.8318 ng/ml
a-hydroxyalprazolam	5.668	816824	3439.20	63.1	1920.35	44737	458.9286 ng/ml
alpha-PHP	4.888	843595	40630.60	268.7	9143.01	423980	529.6486 ng/ml
alpha-PVP	4.315	4970567	206484.48	49.1	59993.65	423980	494.6700 ng/ml
Alprazolam	5.751	3075781	8418.17	104.4	6853.65	163624	506.0345 ng/ml
Amphetamine	2.983	3265885	19180.42	49.4	34245.65	83161	369.6856 ng/ml
Benzoylecgonine	3.838	235117	892.82	7.8	1870.33	18069	504.8466 ng/ml
Buprenorphine	5.687	85333	4560.96	16.1	2506.52	78744	50.6161 ng/ml
Bupropion	4.739	3512196	150029.92	60.3	38245.56	221452	495.5500 ng/ml
Carisoprodol	5.700	1316680	∞	54.6	13136.10	134749	496.0240 ng/ml
Citalopram	5.176	2316937	3590.33	40.7	740.59	206880	497.7525 ng/ml
Clonazepam	5.581	3800776	64333.27	32.3	1397.54	97880	480.3264 ng/ml
Cocaine	4.216	5103723	275874.10	45.5	170140.40	727780	493.7874 ng/ml
Codeine	2.536	598025	781.06	103.4	1675.01	51282	504.7815 ng/ml
Cyclobenzaprine	5.598	1615520	2845.04	9.7	6141.88	124039	515.6566 ng/ml
Dextromethorphan	5.219	1323450	3801.62	79.0	9860.44	123759	504.1271 ng/ml
Dextrorphan	4.070	1241208	1829.59	212.8	136988.93	315964	497.7702 ng/ml
Diazepam	5.929	2318474	1989.07	89.1	2313.69	224358	499.5376 ng/ml
Dihydrocodeine	2.495	1651466	51323.39	64.8	10622.64	198784	478.5483 ng/ml
Diphenhydramine	5.247	3907810	197338.17	33.0	479.21	641004	492.6609 ng/ml
Doxylamine	4.500	10281787	239830.17	97.1	201119.73	828324	508.9546 ng/ml
EDDP	5.211	3021235	1848.91	43.1	4986.70	325923	493.1932 ng/ml
Fentanyl	5.047	205470	18169.39	67.0	834085.19	183719	51.3511 ng/ml
Fluoxetine	5.690	1393299	193396.44	8.8	7936.65	117450	500.7968 ng/ml
Hydrocodone	2.973	1859100	1272.07	39.2	654.87	267558	469.1085 ng/ml
Hydromorphone	1.567	1776655	∞	79.8	∞	115839	490.9793 ng/ml
Ketamine	4.017	4488877	287475.67	39.6	56794.58	419646	486.2467 ng/ml
Lamotrigine	4.239	300322	11428.05	81.4	22968.71	419646	359.5119 ng/ml
Lorazepam	5.722	1562542	∞	56.6	7844.36	97880	254.8356 ng/ml
MDA	3.130	2887314	6891.64	17.4	10175.32	124876	479.2014 ng/ml
MDMA	3.231	3311683	257239.07	60.1	97841.59	60366	498.8260 ng/ml
Meprobamate	4.862	412781	1037.96	25.6	3611.10	66809	350.8379 ng/ml

AM #28 Multi-Drug Quant. Results

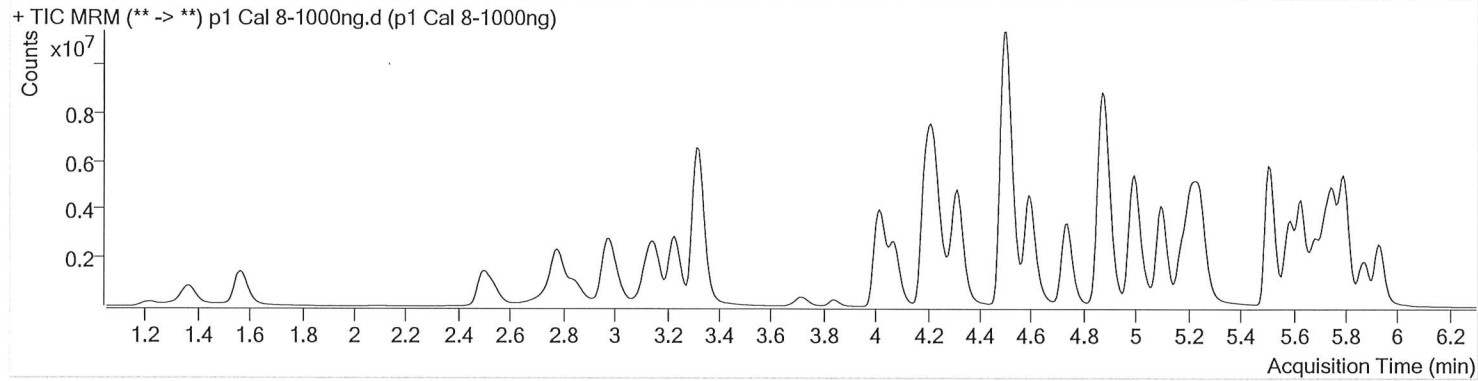| Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.629	3283780	2857.78	52.9	29890.75	306532	508.7164 ng/ml
Methamphetamine	3.158	2028083	13310.80	42.1	1970.66	241433	485.3416 ng/ml
Metoprolol	4.278	775106	792022.19	96.7	∞	981825	484.3878 ng/ml
Mirtazapine	4.589	4769780	572121.29	48.7	14763.37	306532	397.1858 ng/ml
Mitragynine	5.181	649381	24006.30	37.9	19683.39	306532	553.9425 ng/ml
Morphine	1.213	305382	∞	24.3	∞	6754	490.9189 ng/ml
Norbuprenorphine	4.944	13348	205.26	83.6	1373.10	12463	48.1006 ng/ml
Nordiazepam	5.876	2100828	6065.84	57.7	6037.12	141092	492.7889 ng/ml
Norfentanyl	4.037	784352	32137.98	37.7	1976.94	620119	51.4984 ng/ml
Norhydrocodone	3.014	160565	757.01	45.1	346.85	28111	522.9699 ng/ml
Noroxycodone	2.845	1437757	∞	48.8	11474.32	97151	495.9829 ng/ml
O-desmethyl-tramadol	3.317	11330972	198232.04	5.8	2646.86	1178385	510.8101 ng/ml
Oxazepam	5.726	2188843	42409.38	71.4	∞	285749	484.8120 ng/ml
Oxycodone	2.776	4272100	11756.57	31.4	9476.05	375968	491.3335 ng/ml
Oxymorphone	1.363	1543447	∞	49.9	∞	112556	497.8007 ng/ml
Phentermine	3.723	703804	∞	2.5	∞	220096	485.2579 ng/ml
Promethazine	5.508	4118724	2722.06	29.8	3266.88	351613	492.7342 ng/ml
Quetiapine	5.505	2374257	44555.74	60.6	181839.77	67398	476.7161 ng/ml
Sertraline	5.758	627505	11143.42	90.6	45943.34	47945	509.1448 ng/ml
Temazepam	5.792	6530768	58042.10	28.6	1539.64	633487	500.6804 ng/ml
Tramadol	4.197	9346862	401538.79	3.3	2201.53	981825	497.0545 ng/ml
Trazodone	5.093	3539021	120834.83	78.0	∞	300265	498.3368 ng/ml
Venlafaxine	4.994	6650077	280590.43	35.0	2136.79	704926	497.5112 ng/ml
Zolpidem	4.872	11103897	297114.45	29.6	89291.79	1133479	493.4751 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results   D:\MassHunter\Data\2020\AM 27-28\091720 AM 27 AM 28 P1 P2 SJ comp test\QuantResults\AM 28 P1.batch.bin
Calibration Last Update   9/21/2020 10:24:20 AM

Instrument	Falco	**Data File**	p1 Cal 8-1000ng.d
Type	Cal	**Sample**	p1 Cal 8-1000ng
Acq. Method	MDQ P1 060520.m	**Operator**	Sophia Jackson
Sample Position	P5-H1	**Comment**	
Injection Volume	2		
Acq. Date-Time	9/17/2020 11:34:29 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	3.092	255067	5005.84	70.5	2111.61	57262	96.2612 ng/ml
7-aminoclonazepam	4.237	1972810	11897.35	81.3	10225.35	68087	1036.6215 ng/ml
a-hydroxyalprazolam	5.668	1192575	395.52	62.0	10064.49	33525	894.4399 ng/ml
alpha-PHP	4.888	1324856	24702.89	267.0	161201.49	368076	963.0965 ng/ml
alpha-PVP	4.315	8859210	87935.87	49.1	2880.91	368076	1015.1033 ng/ml
Alprazolam	5.751	4485323	1739.30	104.4	9362.43	120959	997.6831 ng/ml
Amphetamine	2.983	4697483	63712.69	49.6	18221.89	79086	559.4550 ng/ml
Benzoylecgonine	3.838	499766	16255.08	7.8	2717.80	18740	1035.0034 ng/ml
Buprenorphine	5.687	142828	3220.35	16.1	10058.80	67108	99.5274 ng/ml
Bupropion	4.739	6387871	3097.11	60.0	44837.28	200156	997.2398 ng/ml
Carisoprodol	5.700	1744388	74573.36	54.3	4994.41	92829	953.9465 ng/ml
Citalopram	5.176	3908054	1882.99	40.9	1142.19	173123	1003.0024 ng/ml
Clonazepam	5.581	5031764	67819.85	32.9	26011.97	73604	845.9538 ng/ml
Cocaine	4.223	8581928	421242.92	44.2	240889.56	598336	1009.7909 ng/ml
Codeine	2.536	1013907	5210.39	100.3	8809.06	42002	1044.6696 ng/ml
Cyclobenzaprine	5.598	2671387	107668.16	9.8	736.70	101825	1038.5646 ng/ml
Dextromethorphan	5.219	2008323	2462.45	79.5	825.97	93214	1015.6393 ng/ml
Dextrorphan	4.070	2108111	9499.90	215.0	251385.53	265739	1005.1460 ng/ml
Diazepam	5.929	3587989	4096.94	86.9	9577.63	176041	985.4030 ng/ml
Dihydrocodeine	2.495	2814774	54185.60	64.4	30714.58	194570	833.8616 ng/ml
Diphenhydramine	5.247	6968633	111901.54	32.6	2032.54	556988	1010.7801 ng/ml
Doxylamine	4.500	19328054	164831.78	97.6	823761.24	801476	988.8988 ng/ml
EDDP	5.211	6002034	69588.13	42.1	1243.78	308248	1036.1372 ng/ml
Fentanyl	5.047	352791	22096.53	66.2	76542.91	153602	105.4915 ng/ml
Fluoxetine	5.690	1980430	218.45	8.9	3215.70	82448	1014.1175 ng/ml
Hydrocodone	2.973	3260537	∞	39.2	∞	253820	868.0731 ng/ml
Hydromorphone	1.567	3037736	∞	77.8	1759.51	99032	981.9877 ng/ml
Ketamine	4.017	7978970	328203.25	38.8	20034.19	389011	932.7094 ng/ml
Lamotrigine	4.246	397048	53157.29	80.8	14983.32	389011	512.8730 ng/ml
Lorazepam	5.722	1487873	∞	56.8	3645.72	73604	322.9059 ng/ml
MDA	3.130	4114932	112360.14	17.0	36109.62	98030	870.5804 ng/ml
MDMA	3.231	5734744	240106.51	59.0	67665.46	53049	983.1108 ng/ml
Meprobamate	4.855	479955	568.93	25.6	5377.83	56505	482.5242 ng/ml

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.629	6090615	99750.78	51.3	4084.11	275693	1049.2249 ng/ml
Methamphetamine	3.158	3960264	34006.29	42.0	65709.64	251072	911.8078 ng/ml
Metoprolol	4.278	1212969	75382.25	96.5	∞	848050	878.0310 ng/ml
Mirtazapine	4.589	9196264	426604.85	48.3	165984.90	275693	850.8755 ng/ml
Mitragynine	5.181	1075283	∞	38.6	23388.95	275693	1019.9612 ng/ml
Morphine	1.220	517157	∞	24.3	∞	5861	958.0238 ng/ml
Norbuprenorphine	4.944	22541	395.98	85.7	∞	10153	99.9715 ng/ml
Nordiazepam	5.876	3038491	3350.13	57.0	1565.68	104774	959.9967 ng/ml
Norfentanyl	4.037	1301678	50801.77	37.2	4190.08	460446	115.0324 ng/ml
Norhydrocodone	3.007	304763	83.18	44.3	∞	25390	1098.0123 ng/ml
Noroxycodone	2.852	2117206	1042.94	50.5	1234.85	69166	1025.8874 ng/ml
O-desmethyl-tramadol	3.323	19158669	329804.30	5.8	1549.00	1003839	1013.7881 ng/ml
Oxazepam	5.726	2150378	12507.45	70.4	2737.02	151757	897.2811 ng/ml
Oxycodone	2.776	7995006	∞	31.1	3194.09	365871	945.1577 ng/ml
Oxymorphone	1.363	2601693	918.71	47.7	894.16	97368	970.2289 ng/ml
Phentermine	3.723	1180574	∞	2.5	∞	210864	850.0476 ng/ml
Promethazine	5.508	6863449	2385.89	29.5	2575.74	281809	1023.6212 ng/ml
Quetiapine	5.505	4544941	212670.72	59.8	14833.19	68504	898.0501 ng/ml
Sertraline	5.758	779856	∞	92.0	18291.17	30153	1004.9991 ng/ml
Temazepam	5.792	9776057	134935.93	27.8	43128.18	449930	1055.1076 ng/ml
Tramadol	4.190	15317172	6298.64	3.2	1270.52	848050	943.3508 ng/ml
Trazodone	5.093	7064168	194201.93	78.0	246749.08	298684	1000.4418 ng/ml
Venlafaxine	4.994	12057519	5656.04	34.6	4484.38	628107	1011.8716 ng/ml
Zolpidem	4.872	18690975	258895.38	29.8	1334.71	1049647	897.3438 ng/ml