

REVIEWED

By Sarah Pickle at 3:03 pm, Jun 08, 2020



6/5/2020

Worklist: 4287

<u>LAB_CASE</u>	<u>ITEM</u>	<u>ITEM_TYPE</u>	<u>DESCRIPTION</u>	
M2020-1819	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2020-1875	5	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2020-1878	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2020-1905	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2020-1966	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-1521	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-1522	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-1561	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-1563	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-1586	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-1593	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-1605	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-1611	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-1624	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-1627	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-1628	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-1634	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-1657	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

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

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Extraction Date: 06/05/2020
Plate lot#: Item #:IDP-111-2 Lot:200513

Analyst: Tamara Salazar
Plate Expiration: 11/13/2020

Mobile phase A: 5mM Amm Form + 0.01% FA
0.5M Ammonium Hydroxide

Mobile phase B: 0.01% Formic Acid in MeOH
Ethyl Acetate 20% Methanol in Water

Blank Blood Lot: 445283-4

Column: Agilent 120 EC-C18 (2.1x 100-2.7um)

LCMS-QQQ ID: 069901

Pre-Analytic:

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

Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Pipette **250µL blood (calibrated pipette) Pipette ID: 42** in wells of analytical (standards) plate.
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. *Shaker ID: 067105*
- 4. Pipette **250µL 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** mixture to corresponding wells of SLE+ plate.
- 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent).
(Load at 85-100 PSI- Selector to the right) Manifold ID: 067104
- 8. Wait 5 minutes.
- 9. Add **900uL ethyl acetate.**
- 10. Wait 5 minutes.
- 11. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left).*
- 12. Add **900uL ethyl acetate.**
- 13. Wait 5 minutes.
- 14. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left).*
- 15. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C.
SPE Dry ID: 067103
- 16. Reconstitute in **100µL 20% MeOH** and heat seal plate with foil. Place in autosampler and run worklist.

Post-Analytic

- 1. Create batch and process data.
- 2. Make necessary changes to integration limits
- 3. Integration linear and R² values ≥0.98 for each analyte.
- 4. For unknown samples and controls: response ratio within 20% of average of controls and standards, RT within +/- 5% (tramadol RT +/-2%), S/N for primary transition >10 and secondary transitions >5.
- 5. Did all QCs pass for each analyte? Y / N _____ Add Control data to QC tracking spreadsheet.
- 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports.

COMMENTS: *Curves limited: Amphetamine 5-500, Lamotrigine 5-250, Lorazepam 5-250, Norfentanyl 0.5-50, Norhydrocodone 10-1000*

MDA and MDMA not evaluated as the acquisition was not updated to reflect their addition to the analysis plate. The acquisition was updated for future runs.

TS

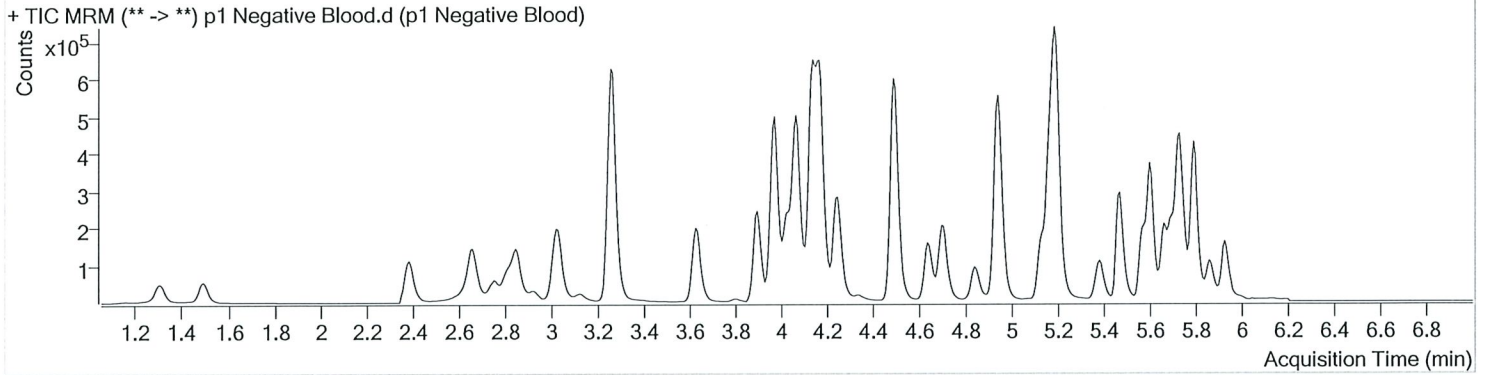


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\AM 27-28\060520 AM 27 28 wk1st 4286 4287 TS\QuantResults\AM 28 TS.batch.bin
Calibration Last Update 6/8/2020 12:26:08 PM

Instrument	Falco	Data File	p1 Negative Blood.d
Type	Sample	Sample	p1 Negative Blood
Acq. Method	MDQ P1 060520.m	Operator	Tamara Salazar
Sample Position	P1-H4	Comment	
Injection Volume	2		
Acq. Date-Time	6/6/2020 12:34:30 AM		
Sample Info.			

Sample Chromatogram



TS

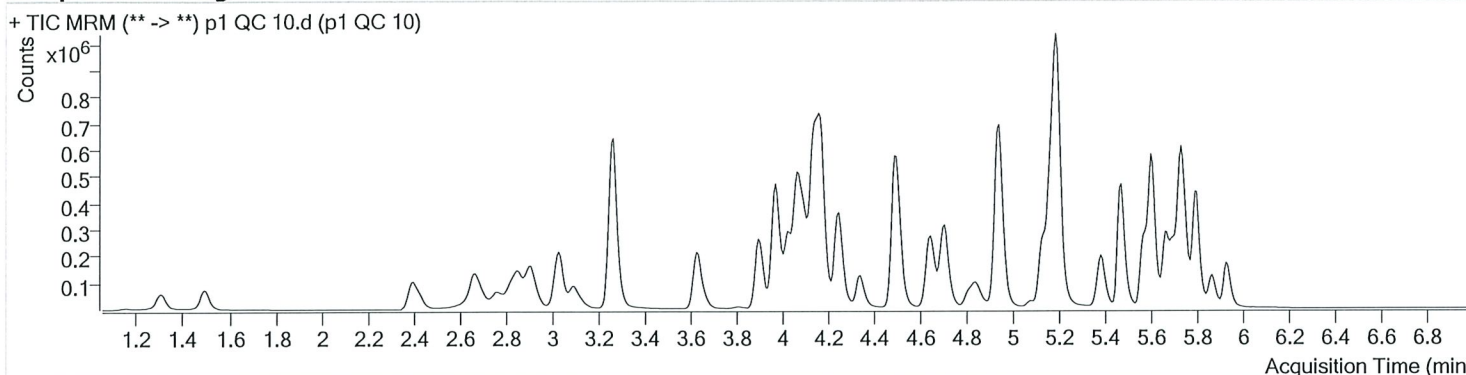


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\AM 27-28\060520 AM 27 28 wk\st 4286 4287 TS\QuantResults\AM 28 TS.batch.bin
Calibration Last Update 6/8/2020 12:26:08 PM

Instrument	Falco	Data File	p1 QC 10.d
Type	QC	Sample	p1 QC 10
Acq. Method	MDQ P1 060520.m	Operator	Tamara Salazar
Sample Position	P1-A2	Comment	
Injection Volume	2		
Acq. Date-Time	6/5/2020 10:59:14 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.029	2130	13869.99	72.3	∞	40099	1.0257 ng/ml
7-aminoclonazepam	3.996	54246	2041.61	87.3	720.91	194344	10.1555 ng/ml
a-hydroxyalprazolam	5.673	21186	797.94	61.3	361.34	46121	9.7508 ng/ml
alpha-PVP	4.251	150578	842.73	51.6	14218.29	622863	10.2462 ng/ml
Alprazolam	5.750	73503	289.77	104.0	298.99	197880	10.6185 ng/ml
Amphetamine	2.914	265919	2340.36	51.4	6425.81	240424	10.1676 ng/ml
Benzoylcegonine	3.835	4673	223.37	8.1	68.69	15561	10.1527 ng/ml
Buprenorphine	5.400	4789	84.26	15.4	45.38	179002	1.0955 ng/ml
Bupropion	4.655	169362	4203.83	61.7	1086.95	518015	10.0857 ng/ml
Carisoprodol	5.705	68254	64608.60	53.4	176.09	320156	9.8421 ng/ml
Citalopram	5.131	115521	244.89	40.8	310.01	468763	10.5796 ng/ml
Clonazepam	5.586	97904	4010.40	33.3	230119.69	108316	9.9392 ng/ml
Cocaine	4.171	143169	1923.29	44.5	649.21	1008963	10.1833 ng/ml
Codeine	2.436	15383	266.45	107.1	274.72	70816	9.8917 ng/ml
Cyclobenzaprine	5.569	99666	468.85	10.1	2949.87	334109	11.1928 ng/ml
Dextromethorphan	5.168	71988	29401.00	77.9	733.60	298678	11.0042 ng/ml
Dextropropion	4.026	38806	1070.52	210.9	9817.26	487297	10.1056 ng/ml
Diazepam	5.935	55977	402.94	87.5	1929.53	259823	10.1595 ng/ml
Dihydrocodeine	2.427	39840	2093.47	64.9	607.38	202300	10.2758 ng/ml
Diphenhydramine	5.196	289523	1543.27	31.9	3683.80	1750037	10.6509 ng/ml
Doxylamine	4.099	309957	21982.05	99.2	7007.28	1238457	9.4387 ng/ml
EDDP	5.167	106116	519.75	43.0	654.04	541984	10.3936 ng/ml
Fentanyl	4.948	9469	125.81	68.3	11321.92	381526	1.0738 ng/ml
Fluoxetine	5.668	115361	1504.19	9.1	10154.92	386157	11.0929 ng/ml
Hydrocodone	2.883	51599	93.91	36.9	54.08	274066	11.5789 ng/ml
Hydromorphone	1.500	39269	2959.08	79.2	2054.82	123479	9.7192 ng/ml
Ketamine	3.912	121907	5468.06	39.3	680.08	533047	9.6438 ng/ml
Lamotrigine	4.141	10529	1373.26	73.7	11968.14	533047	10.8067 ng/ml
Lorazepam	5.727	81561	598.49	54.5	820.24	108316	9.9917 ng/ml
Meprobamate	4.865	33867	2735.70	27.2	239.21	192029	9.6946 ng/ml
Methadone	5.607	190874	1086.24	52.7	982.07	791665	10.8516 ng/ml
Methamphetamine	3.101	146534	3956.08	42.4	1227.13	581774	10.6901 ng/ml
Metoprolol	4.241	23847	646.94	95.6	579.22	1348746	10.3149 ng/ml

TS



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.342	198744	4140.59	49.5	7774.27	622863	10.8583 ng/ml
Mitragynine	5.075	39971	∞	39.3	2215.15	791665	10.6411 ng/ml
Morphine	1.160	6519	915.98	23.1	42.83	6971	10.1051 ng/ml
Norbuprenorphine	4.899	560	92.06	83.6	36.55	22537	0.9423 ng/ml
Nordiazepam	5.874	54185	794.23	58.9	1196.20	170355	10.3977 ng/ml
Norfentanyl	3.994	21035	836.47	36.9	198.40	952949	1.0030 ng/ml
Norhydrocodone	2.952	5359	94.82	42.4	226.91	55234	11.2284 ng/ml
Noroxycodone	2.783	48794	850.93	48.5	1458.64	159610	10.4190 ng/ml
O-desmethyl-tramadol	3.268	269272	2090.16	6.0	488.80	1398682	9.8866 ng/ml
Oxazepam	5.731	92384	12206.40	71.2	273.49	544125	10.1805 ng/ml
Oxycodone	2.693	102134	∞	31.1	658.16	421786	10.2033 ng/ml
Oxymorphone	1.303	38246	4273.38	47.3	526.82	132822	9.9017 ng/ml
Phentermine	3.665	47396	∞	3.0	64.47	563732	10.8033 ng/ml
Promethazine	5.472	206376	3155.29	31.2	16475.01	805775	11.1181 ng/ml
Quetiapine	5.380	111913	3270.03	59.7	2047.03	133880	10.6380 ng/ml
Sertraline	5.730	61490	661.92	89.1	6457.05	201601	11.7014 ng/ml
Temazepam	5.798	156832	1918.92	30.3	81.25	743355	10.2211 ng/ml
Tramadol	4.153	277192	1811.73	3.4	99.09	1348746	10.0811 ng/ml
Trazodone	4.710	145942	1362.57	79.4	2127.27	570061	10.5102 ng/ml
Venlafaxine	4.943	230901	3692.98	37.1	462.75	1117592	10.7436 ng/ml
Zolpidem	4.510	264159	5715.85	31.1	3877.96	1273327	10.0668 ng/ml

TS

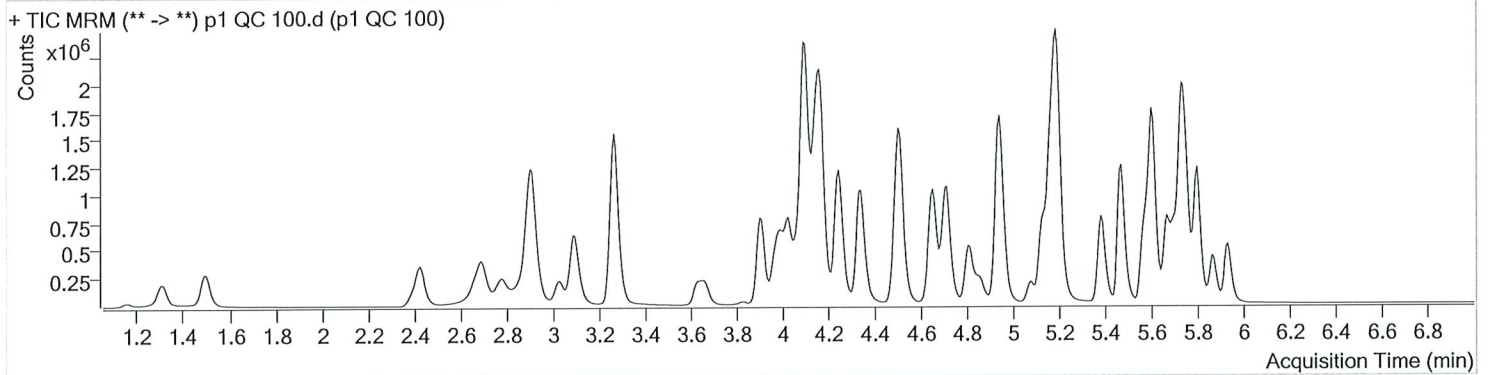


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\AM 27-28\060520 AM 27 28 wklst 4286 4287 TS\QuantResults\AM 28 TS.batch.bin
Calibration Last Update 6/8/2020 12:26:08 PM

Instrument	Falco	Data File	p1 QC 100.d
Type	QC	Sample	p1 QC 100
Acq. Method	MDQ P1 060520.m	Operator	Tamara Salazar
Sample Position	P1-B2	Comment	
Injection Volume	2		
Acq. Date-Time	6/5/2020 11:20:23 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.023	21378	1238.75	70.1	∞	38298	10.7932 ng/ml
7-aminoclonazepam	3.996	527493	1830.36	84.9	1816.71	188870	108.1842 ng/ml
a-hydroxyalprazolam	5.673	191344	662.02	62.4	1027.50	39176	109.1516 ng/ml
alpha-PVP	4.251	1377827	3220.08	50.8	4956.60	563895	101.1815 ng/ml
Alprazolam	5.750	673857	1148.59	103.3	2649.51	172193	100.8234 ng/ml
Amphetamine	2.914	2288854	33367.78	51.3	17496.82	219077	108.0530 ng/ml
Benzoylcegonine	3.828	45795	3987.50	7.9	801.35	14565	100.7615 ng/ml
Buprenorphine	5.400	40841	2285.70	16.7	256.71	161576	10.2732 ng/ml
Bupropion	4.655	1498843	64285.23	60.3	4618.46	451616	105.1585 ng/ml
Carisoprodol	5.705	617479	4400.98	54.0	3149.67	277311	108.5391 ng/ml
Citalopram	5.131	1001819	1765.83	40.7	1115.49	429930	101.9343 ng/ml
Clonazepam	5.586	869702	1236.29	33.1	1621.46	95487	103.7396 ng/ml
Cocaine	4.165	1325371	167969.70	43.5	∞	891142	106.3308 ng/ml
Codeine	2.429	146963	2338.49	101.8	∞	61517	119.6240 ng/ml
Cyclobenzaprine	5.569	776404	1105.61	9.8	2835.56	278364	105.6265 ng/ml
Dextromethorphan	5.168	570349	3398.36	78.4	23562.80	258907	103.7854 ng/ml
Dextrorphan	4.026	361541	1410.29	211.7	3200.78	451332	100.8394 ng/ml
Diazepam	5.935	504528	3299.84	87.5	946.36	229001	105.1136 ng/ml
Dihydrocodeine	2.427	377105	3305.35	65.2	4190.50	192390	110.6689 ng/ml
Diphenhydramine	5.196	2508999	3791.41	31.9	953.30	1555626	103.3131 ng/ml
Doxylamine	4.099	3013868	88232.36	98.6	142756.41	1178005	109.7881 ng/ml
EDDP	5.167	1007769	2023.91	43.5	1041.27	545212	100.4852 ng/ml
Fentanyl	4.948	75280	4580.55	66.0	1498.07	330092	10.3775 ng/ml
Fluoxetine	5.668	820486	1999.06	8.8	∞	311879	104.0444 ng/ml
Hydrocodone	2.883	461515	1213.72	39.0	∞	289609	100.4137 ng/ml
Hydromorphone	1.500	407786	10639.20	69.2	9002.42	125310	107.1748 ng/ml
Ketamine	3.912	1157274	1323.71	38.6	1953.86	494923	104.1362 ng/ml
Lamotrigine	4.141	90706	12038.82	79.3	19965.65	494923	107.6718 ng/ml
Lorazepam	5.727	666440	∞	54.9	3298.36	95487	110.3339 ng/ml
Meprobamate	4.865	334750	1491.38	26.6	458.69	174774	108.1482 ng/ml
Methadone	5.607	1592665	2318.64	52.7	21817.15	695762	102.1144 ng/ml
Methamphetamine	3.094	1254814	9116.89	42.8	1670.81	519606	113.0698 ng/ml
Metoprolol	4.241	213677	5032.06	97.1	7280.95	1218710	106.7165 ng/ml

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AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.342	1773380	29517.15	49.5	∞	563895	108.5576 ng/ml
Mitragynine	5.075	342494	∞	38.9	10993.77	695762	101.1305 ng/ml
Morphine	1.160	63228	3628.02	23.1	432.91	6706	104.4835 ng/ml
Norbuprenorphine	4.892	5169	191.58	81.5	91.17	20510	10.4367 ng/ml
Nordiazepam	5.867	485598	1081.75	58.5	15781.94	151515	106.8056 ng/ml
Norfentanyl	3.994	188289	1435.46	37.6	801.45	845053	10.7231 ng/ml
Norhydrocodone	2.952	50129	564.23	41.9	656.76	47808	92.9085 ng/ml
Noroxycodone	2.783	458151	4522.18	48.7	2473.10	147143	109.5786 ng/ml
O-desmethyl-tramadol	3.268	2625928	8359.64	5.9	3222.36	1286335	104.4249 ng/ml
Oxazepam	5.731	779464	6693.52	72.5	20713.80	447646	106.6223 ng/ml
Oxycodone	2.693	973657	10717.55	31.4	3365.47	397900	106.0009 ng/ml
Oxymorphone	1.310	360331	∞	48.8	2437.29	122573	105.7767 ng/ml
Phentermine	3.665	417574	∞	2.9	1605.62	514214	115.7998 ng/ml
Promethazine	5.472	1667551	2038.28	31.4	4701.58	690401	99.9637 ng/ml
Quetiapine	5.380	1008181	6452.94	59.2	1632208.33	123436	105.4898 ng/ml
Sertraline	5.730	409231	2997.49	90.1	852.06	152005	107.3761 ng/ml
Temazepam	5.798	1462190	21456.74	30.1	992.78	689796	104.5155 ng/ml
Tramadol	4.153	2552744	6032.01	3.4	3944.43	1218710	105.0190 ng/ml
Trazodone	4.710	1262228	43713.18	78.1	8112.76	520303	102.1383 ng/ml
Venlafaxine	4.943	2185349	7748.15	36.6	4154.32	1019705	106.7945 ng/ml
Zolpidem	4.510	2514000	23017.91	30.9	29387.14	1185252	105.2950 ng/ml

TS

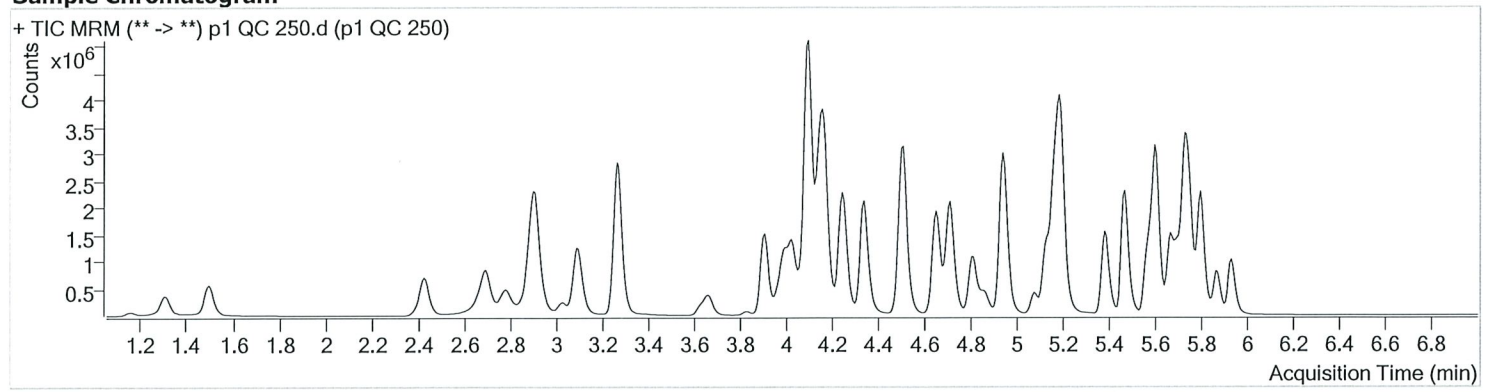


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Batch results D:\MassHunter\Data\2020\AM 27-28\060520 AM 27 28 wk1st 4286 4287 TS\QuantResults\AM 28 TS.batch.bin
Calibration Last Update 6/8/2020 12:26:08 PM

Instrument	Falco	Data File	p1 QC 250.d
Type	QC	Sample	p1 QC 250
Acq. Method	MDQ P1 060520.m	Operator	Tamara Salazar
Sample Position	P1-C2	Comment	
Injection Volume	2		
Acq. Date-Time	6/5/2020 11:41:34 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.029	48852	3949.35	70.3	2105.51	36663	25.7669 ng/ml
7-aminoclonazepam	3.996	1166253	4851.94	84.2	5504.57	182130	248.9831 ng/ml
a-hydroxyalprazolam	5.673	401954	901.73	62.7	947.75	35032	257.1825 ng/ml
alpha-PVP	4.251	2948200	2384.69	50.9	4760.25	495730	245.8982 ng/ml
Alprazolam	5.750	1404575	3434.91	107.7	5880.41	144869	248.0799 ng/ml
Amphetamine	2.914	4405164	54640.76	51.2	29981.38	198468	231.1542 ng/ml
Benzoylcegonine	3.835	120754	2241.20	7.6	878.97	14401	267.7392 ng/ml
Buprenorphine	5.400	83962	1385.47	16.4	463.80	138902	24.5551 ng/ml
Bupropion	4.655	3017819	2279.89	60.1	17255.73	382766	250.2318 ng/ml
Carisoprodol	5.705	1262672	642.38	54.5	1842.99	245409	251.5993 ng/ml
Citalopram	5.131	2041855	∞	39.4	1763.48	357120	250.4413 ng/ml
Clonazepam	5.586	1755326	4457.80	32.0	42327.07	81474	245.9299 ng/ml
Cocaine	4.171	2742045	169264.13	44.6	112588.72	779837	251.3265 ng/ml
Codeine	2.436	297966	2826.90	103.4	832.38	60963	245.8786 ng/ml
Cyclobenzaprine	5.569	1624688	3814.98	9.8	∞	247817	248.4338 ng/ml
Dextromethorphan	5.168	1079047	1286.10	79.2	1368214.72	201351	253.0449 ng/ml
Dextrophan	4.032	758759	3279.43	212.8	4636.33	394843	241.7810 ng/ml
Diazepam	5.935	1107962	31634.88	87.0	27038.07	210374	251.4560 ng/ml
Dihydrocodeine	2.427	812829	5999.92	65.6	924.57	184398	250.0497 ng/ml
Diphenhydramine	5.196	4992959	36517.94	31.4	1995.17	1260066	253.7325 ng/ml
Doxylamine	4.099	6702889	∞	98.2	139213.41	1081452	268.0220 ng/ml
EDDP	5.167	2254420	∞	43.4	2069.32	502977	244.0635 ng/ml
Fentanyl	4.948	153412	2425.58	67.1	275007.76	282930	24.7591 ng/ml
Fluoxetine	5.668	1851204	584599.93	8.5	337495.56	293193	250.8494 ng/ml
Hydrocodone	2.883	1084357	∞	36.0	1125.66	272706	251.0332 ng/ml
Hydromorphone	1.500	800215	11971.88	77.4	7406.35	116821	226.5207 ng/ml
Ketamine	3.912	2525180	4916.04	39.2	3009.47	455787	247.5580 ng/ml
Lamotrigine	4.141	178364	3247.75	80.5	15734.10	455787	230.9199 ng/ml
Lorazepam	5.727	1163028	5922.49	55.7	∞	81474	227.9052 ng/ml
Meprobamate	4.865	704094	975.23	26.1	917.27	158194	251.6975 ng/ml
Methadone	5.607	3264448	4193.38	52.2	4696.59	588567	247.2688 ng/ml
Methamphetamine	3.094	2578801	14667.37	42.3	2135.12	466699	260.3018 ng/ml
Metoprolol	4.241	445019	∞	95.7	∞	1098505	247.2263 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.342	3630653	7595.34	48.7	47077.22	495730	253.0419 ng/ml
Mitragynine	5.075	719092	54647.88	38.4	36543.50	588567	250.5600 ng/ml
Morphine	1.160	139539	2410.21	23.6	1662.42	6173	250.8785 ng/ml
Norbuprenorphine	4.899	10260	235.80	78.9	290.08	16471	25.9389 ng/ml
Nordiazepam	5.867	1043737	1840.52	57.3	15129.69	132485	262.8684 ng/ml
Norfentanyl	3.994	410568	55039.62	37.2	2703.45	818600	24.2200 ng/ml
Norhydrocodone	2.952	97571	742.43	42.6	954.48	34530	245.4584 ng/ml
Noroxycodone	2.783	991133	6845.88	48.8	6540.95	132602	263.5782 ng/ml
O-desmethyl-tramadol	3.275	5993694	5905.27	5.9	1464.69	1202154	254.9795 ng/ml
Oxazepam	5.731	1446142	29009.09	71.7	29244.97	353890	250.5467 ng/ml
Oxycodone	2.693	2222106	6040.54	31.2	9215.86	381829	252.5383 ng/ml
Oxymorphone	1.310	783803	∞	48.9	4747.83	108963	259.5642 ng/ml
Phentermine	3.665	851375	5812.60	2.9	1421.23	459012	266.1920 ng/ml
Promethazine	5.472	3625765	109534.47	30.7	4118.41	619721	241.3168 ng/ml
Quetiapine	5.380	2158281	2062.34	60.1	1219.14	108008	258.3418 ng/ml
Sertraline	5.730	852137	1532.82	91.6	1270.07	135402	251.7039 ng/ml
Temazepam	5.798	3230508	102076.15	30.3	1184.68	645476	247.0421 ng/ml
Tramadol	4.153	5508905	131676.92	3.3	984.76	1098505	251.7788 ng/ml
Trazodone	4.710	2748250	15515.90	78.9	863641.63	467406	247.9807 ng/ml
Venlafaxine	4.943	4731181	5730.46	36.1	6462.21	901101	260.9177 ng/ml
Zolpidem	4.510	5716333	124682.11	29.9	146306.91	1104440	257.3083 ng/ml

AS

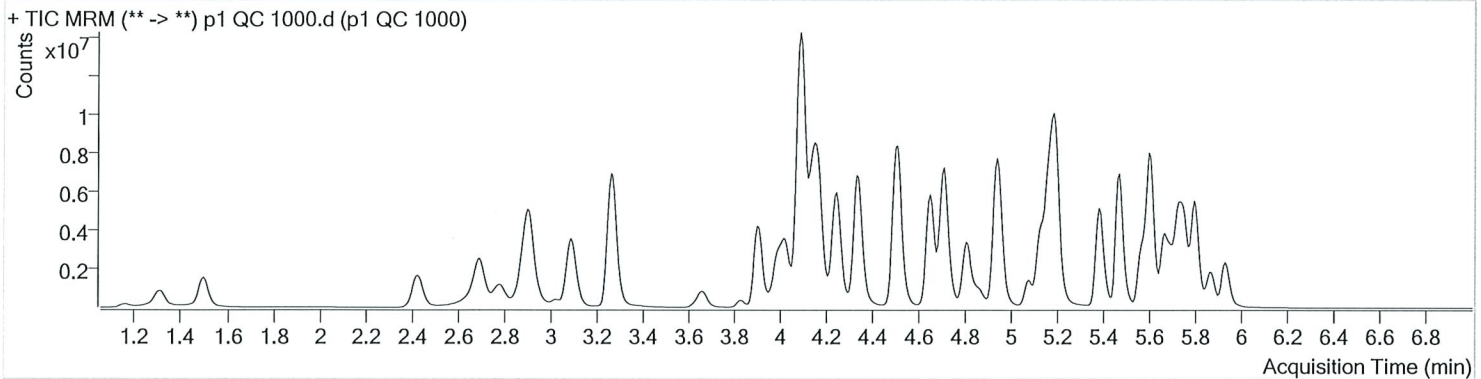


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\AM 27-28\060520 AM 27 28 wk\st 4286 4287 TS\QuantResults\AM 28 TS.batch.bin
Calibration Last Update 6/8/2020 12:26:08 PM

Instrument Falco Data File p1 QC 1000.d
Type QC Sample p1 QC 1000
Acq. Method MDQ P1 060520.m Operator Tamara Salazar
Sample Position P1-D2 Comment
Injection Volume 2
Acq. Date-Time 6/6/2020 12:02:44 AM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.023	180472	3663.73	72.4	∞	35170	99.2330 ng/ml
7-aminoclonazepam	3.990	3310058	∞	84.0	2014.80	166729	773.4698 ng/ml
a-hydroxyalprazolam	5.673	954643	332.98	63.3	∞	21808	982.7950 ng/ml
alpha-PVP	4.251	9292064	∞	49.4	∞	372553	1030.4256 ng/ml
Alprazolam	5.756	3929050	∞	104.6	1226.42	94326	1061.9920 ng/ml
Amphetamine	2.914	10319748	98723.51	50.8	92452.55	175058	616.2803 ng/ml
Benzoylcegonine	3.828	675850	1738153.13	7.7	5270.94	14836	1451.9345 ng/ml
Buprenorphine	5.400	305418	2002.47	16.0	4595.90	110563	112.1827 ng/ml
Bupropion	4.655	9846126	23120.03	59.5	11048.07	314272	995.2601 ng/ml
Carisoprodol	5.705	2850184	100098.68	53.0	1053.32	147479	946.7212 ng/ml
Citalopram	5.131	6444381	13606.81	40.0	5107.02	278205	1015.3274 ng/ml
Clonazepam	5.586	3245955	4560.24	32.7	7146.88	40699	911.4517 ng/ml
Cocaine	4.171	7600215	311457.87	43.7	239372.89	530621	1023.6548 ng/ml
Codeine	2.436	741606	∞	105.3	6184.10	52901	707.2472 ng/ml
Cyclobenzaprine	5.569	5143122	2509.83	9.7	∞	185708	1049.8445 ng/ml
Dextromethorphan	5.161	2670409	3929.91	78.8	3964.97	125926	1002.4868 ng/ml
Dextrorphan	4.026	2292840	∞	212.6	12659.96	286460	1006.7712 ng/ml
Diazepam	5.935	3016570	∞	85.5	24422.68	146928	980.6303 ng/ml
Dihydrocodeine	2.427	2353330	∞	66.0	2526.66	173262	772.4334 ng/ml
Diphenhydramine	5.196	14122426	4794.98	32.3	∞	897538	1007.3753 ng/ml
Doxylamine	4.092	20869638	∞	99.5	673057.39	1037110	873.4131 ng/ml
EDDP	5.167	8076417	∞	42.0	1801.02	426461	1032.1325 ng/ml
Fentanyl	4.948	434504	3406.49	70.5	2088.29	218635	90.9118 ng/ml
Fluoxetine	5.661	5612721	208436.56	8.4	706393.15	226551	986.6658 ng/ml
Hydrocodone	2.877	3296656	3393.21	40.1	1214.53	245665	847.9648 ng/ml
Hydromorphone	1.500	2498205	8572.48	77.0	∞	91962	900.8172 ng/ml
Ketamine	3.905	8329068	∞	36.9	7536.71	397023	939.0763 ng/ml
Lamotrigine	4.135	344635	23990.93	78.3	36867.19	397023	513.3116 ng/ml
Lorazepam	5.721	1274891	67.15	57.1	4421.10	40699	502.6704 ng/ml
Meprobamate	4.865	1758810	924.07	25.5	36924.17	112493	884.8903 ng/ml
Methadone	5.607	10363537	4221.63	51.4	5245.92	456925	1010.8252 ng/ml
Methamphetamine	3.094	7939077	10689.29	42.0	∞	449292	835.1174 ng/ml
Metoprolol	4.234	1100686	∞	96.0	∞	831930	808.5382 ng/ml

p1 QC 1000

Generated at 12:26 PM on 6/8/2020

*Outside curve range - 6-8-2020

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.336	12515114	8455.62	48.3	73325.06	372553	1161.2690 ng/ml
Mitragynine	5.075	2550788	64929.90	38.4	17155.99	456925	1143.7940 ng/ml
Morphine	1.160	435784	∞	23.8	2495.72	4886	990.8073 ng/ml
Norbuprenorphine	4.899	34878	1614.61	85.2	597.50	15039	96.8372 ng/ml
Nordiazepam	5.874	2732220	∞	58.6	1947.60	93700	973.5556 ng/ml
Norfentanyl	3.987	973666	57036.41	37.8	446.35	721814	65.2511 ng/ml
Norhydrocodone	2.952	366903	150.23	41.5	175.93	26527	1190.2183 ng/ml
Noroxycodone	2.783	2695550	∞	48.4	46339.61	96172	989.4205 ng/ml
O-desmethyl-tramadol	3.268	18651047	34475.20	5.9	2049.08	949361	1004.5896 ng/ml
Oxazepam	5.731	2000691	15144.16	68.7	2826.96	132969	923.1611 ng/ml
Oxycodone	2.693	7829770	7558.64	31.1	3841.41	360465	943.4476 ng/ml
Oxymorphone	1.310	2340664	3873.30	47.2	4281.24	89208	948.1389 ng/ml
Phentermine	3.665	2443260	∞	2.7	1345.57	417212	843.3020 ng/ml
Promethazine	5.472	12568700	243822.14	30.1	62784.70	511206	1012.2401 ng/ml
Quetiapine	5.380	7871947	1377798.16	59.8	153575.79	101524	1002.9455 ng/ml
Sertraline	5.730	2389428	2215.71	91.0	21939.83	94691	1010.8037 ng/ml
Temazepam	5.798	9444338	∞	28.9	∞	466196	1000.5747 ng/ml
Tramadol	4.147	14677493	∞	3.3	14330.96	831930	886.3934 ng/ml
Trazodone	4.710	10373713	382325.14	77.5	957567.02	432878	1011.6297 ng/ml
Venlafaxine	4.943	15052026	3728.98	35.7	6280.89	696519	1072.3681 ng/ml
Zolpidem	4.510	17860249	138798.24	30.9	11700.42	990654	896.9191 ng/ml

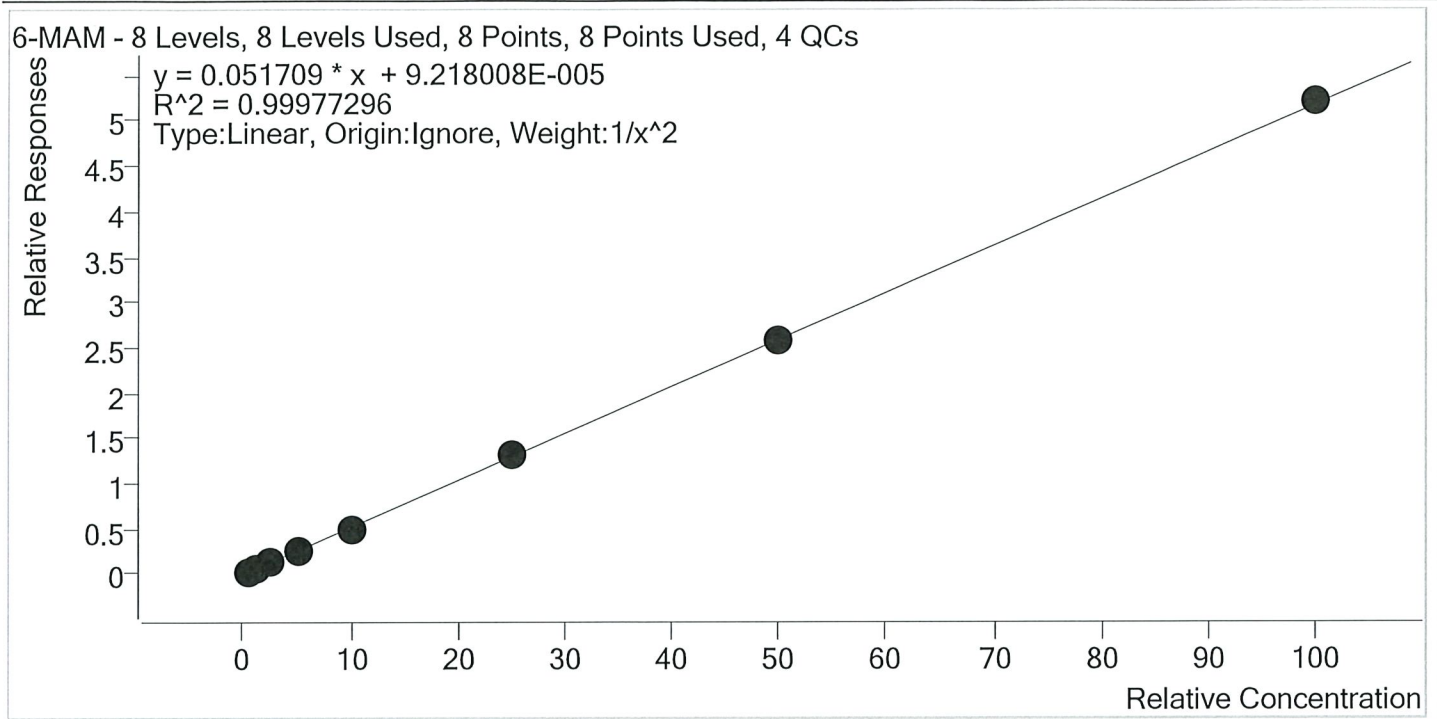
*outside curve range - 6/8/2020 TS

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\060520 AM 27 28 wk1st 4286 4287 TS\QuantResults\AM 28 TS.batch.bin
Last Cal. Update 6/8/2020 12:26 PM
Analyst Name ISP\Datastor
Analyte 6-MAM **Internal Standard** 6-MAM-D6

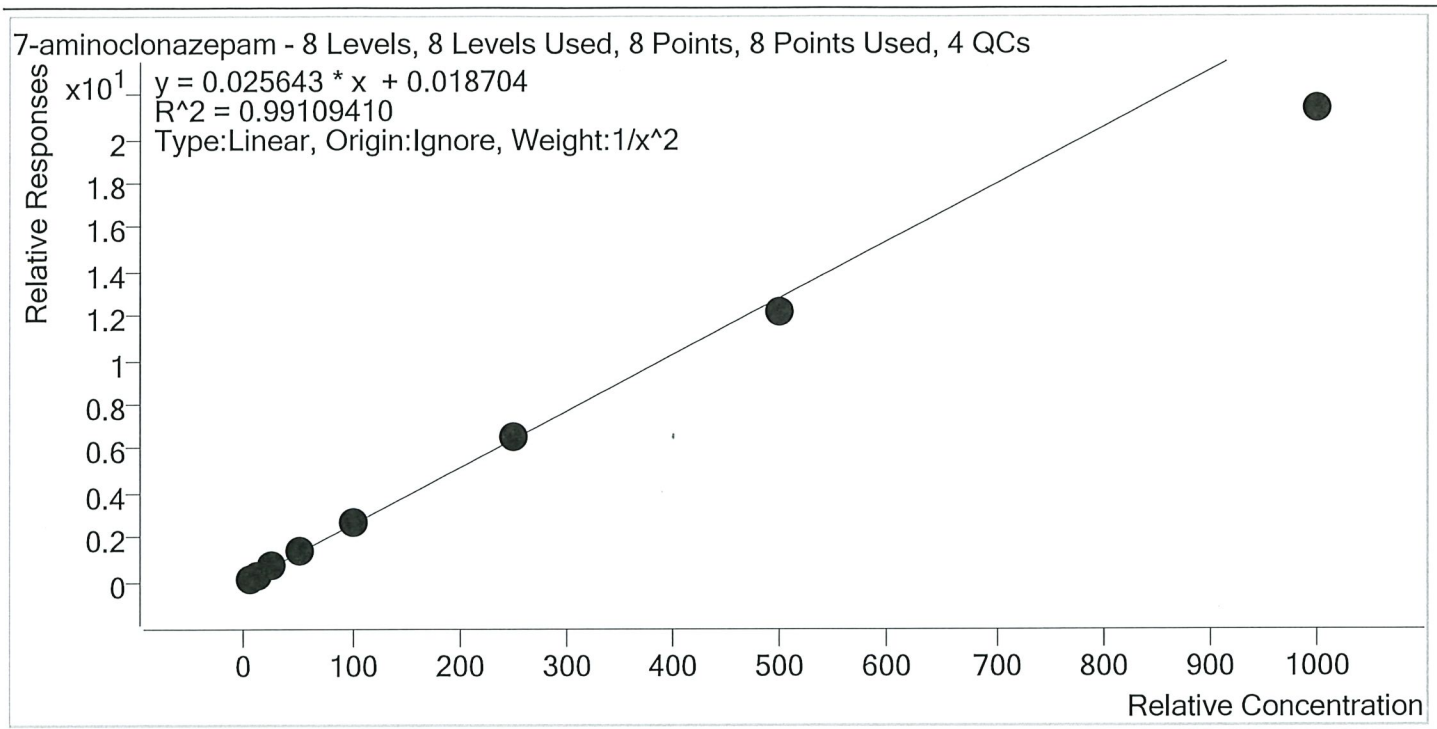


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	99.8
p1 Cal 2- 10ng	2	✓	1.0	1.0	100.0
p1 Cal 3 -25ng	3	✓	2.5	2.5	101.1
p1 Cal 4-50ng	4	✓	5.0	5.1	101.1
p1 Cal 5-100ng	5	✓	10.0	9.7	97.2
p1 Cal 6-250ng	6	✓	25.0	25.2	100.9
p1 Cal 7-500ng	7	✓	50.0	49.6	99.2
p1 Cal 8-1000ng	8	✓	100.0	100.7	100.7



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\060520 AM 27 28 wk1st 4286 4287 TS\QuantResults\AM 28 TS.batch.bin
Last Cal. Update 6/8/2020 12:26 PM
Analyst Name ISP\Datastor
Analyte 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4



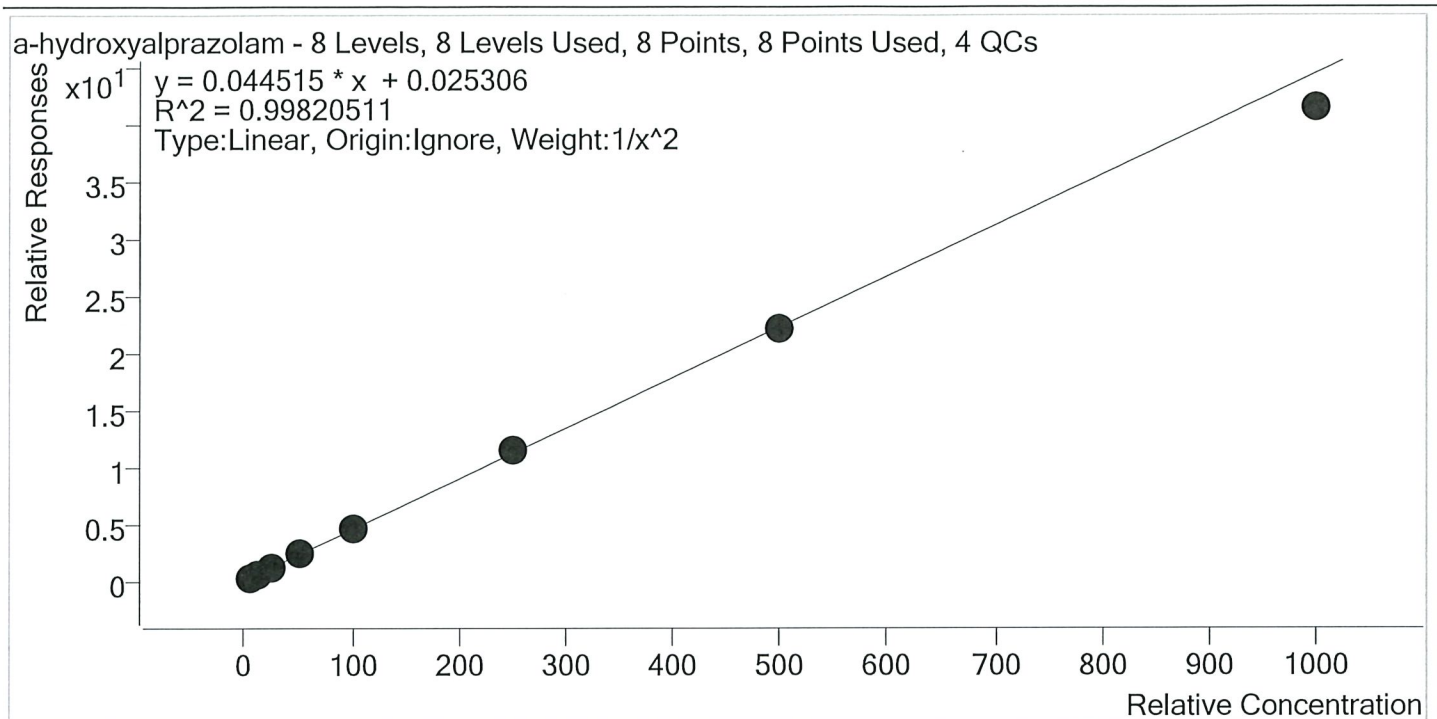
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.5
p1 Cal 2- 10ng	2	✓	10.0	10.5	105.1
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.5
p1 Cal 4-50ng	4	✓	50.0	54.3	108.5
p1 Cal 5-100ng	5	✓	100.0	104.8	104.8
p1 Cal 6-250ng	6	✓	250.0	257.8	103.1
p1 Cal 7-500ng	7	✓	500.0	476.3	95.3
p1 Cal 8-1000ng	8	✓	1000.0	832.4	83.2

AS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\060520 AM 27 28 wk1st 4286 4287 TS\QuantResults\AM 28 TS.batch.bin
Last Cal. Update 6/8/2020 12:26 PM
Analyst Name ISP\Datastor
Analyte a-hydroxyalprazolam **Internal Standard** a-hydroxyalprazolam-D5

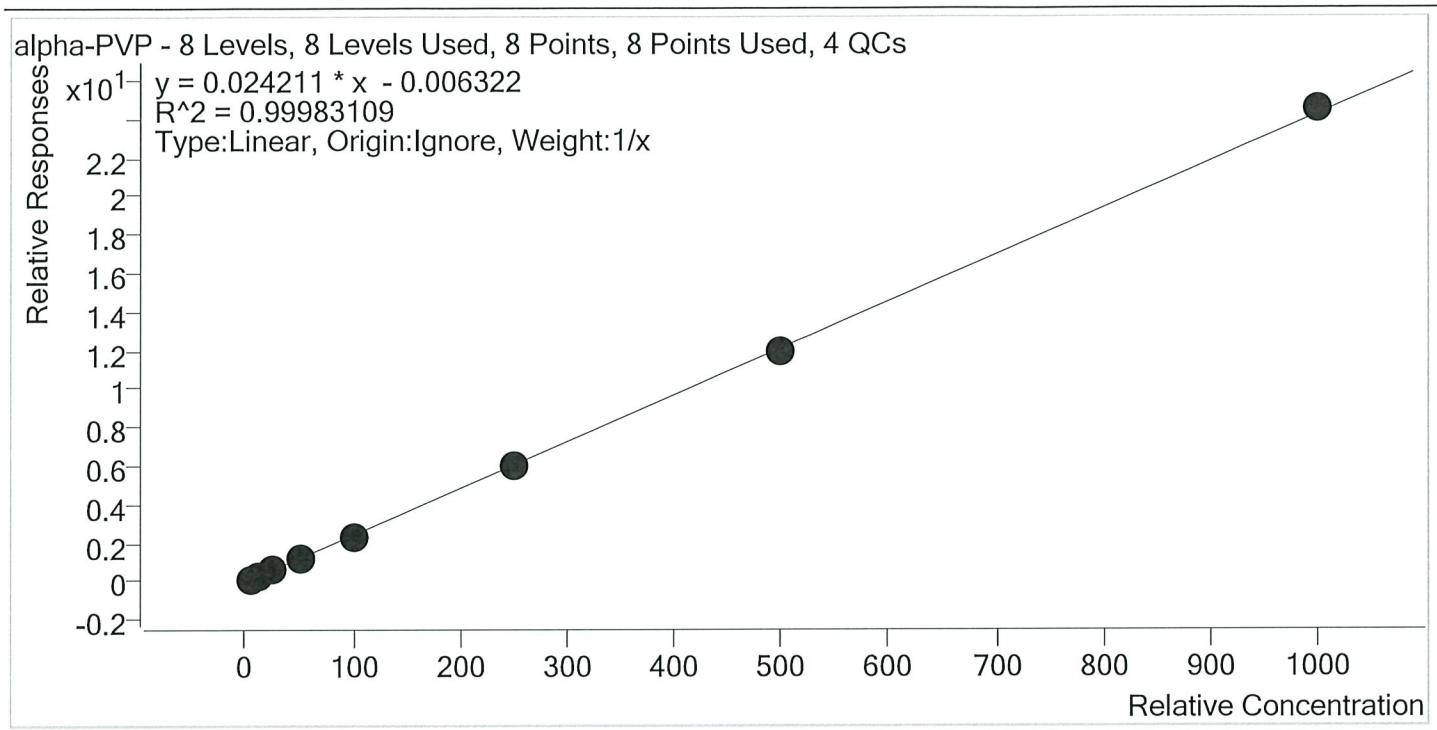


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.0
p1 Cal 2- 10ng	2	✓	10.0	10.4	103.9
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.5
p1 Cal 4-50ng	4	✓	50.0	52.0	104.0
p1 Cal 5-100ng	5	✓	100.0	101.6	101.6
p1 Cal 6-250ng	6	✓	250.0	254.9	101.9
p1 Cal 7-500ng	7	✓	500.0	498.7	99.7
p1 Cal 8-1000ng	8	✓	1000.0	931.9	93.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\060520 AM 27 28 wk1st 4286 4287 TS\QuantResults\AM 28 TS.batch.bin
Last Cal. Update 6/8/2020 12:26 PM
Analyst Name ISP\Datastor
Analyte alpha-PVP **Internal Standard** alpha-PVP-d8



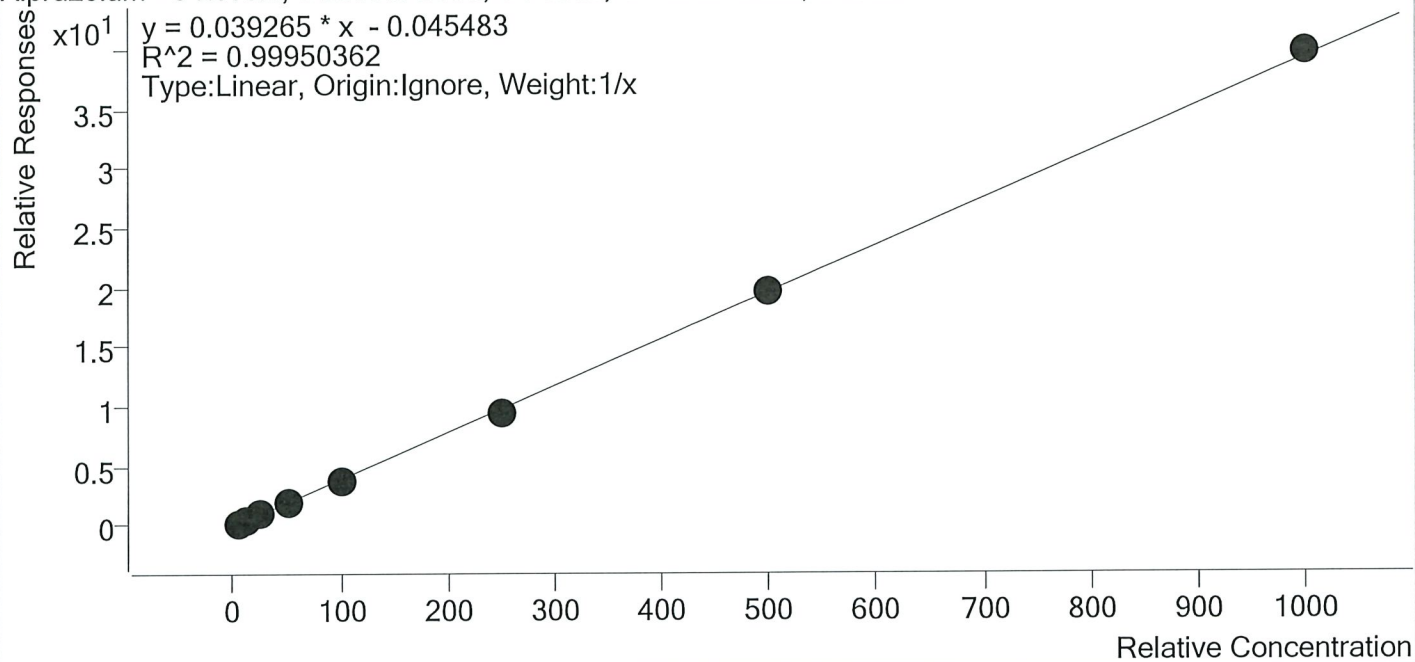
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	105.7
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.1
p1 Cal 3 -25ng	3	✓	25.0	24.5	97.9
p1 Cal 4-50ng	4	✓	50.0	49.3	98.6
p1 Cal 5-100ng	5	✓	100.0	98.1	98.1
p1 Cal 6-250ng	6	✓	250.0	245.9	98.4
p1 Cal 7-500ng	7	✓	500.0	495.8	99.2
p1 Cal 8-1000ng	8	✓	1000.0	1011.0	101.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\060520 AM 27 28 wk\st 4286 4287 TS\QuantResults\AM 28
 TS.batch.bin
Last Cal. Update 6/8/2020 12:26 PM
Analyst Name ISP\Datastor
Analyte Alprazolam **Internal Standard** Alprazolam-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.5	109.7
p1 Cal 2- 10ng	2	✓	10.0	10.6	105.7
p1 Cal 3 -25ng	3	✓	25.0	24.0	96.1
p1 Cal 4-50ng	4	✓	50.0	47.6	95.3
p1 Cal 5-100ng	5	✓	100.0	93.7	93.7
p1 Cal 6-250ng	6	✓	250.0	244.9	98.0
p1 Cal 7-500ng	7	✓	500.0	501.9	100.4
p1 Cal 8-1000ng	8	✓	1000.0	1011.8	101.2

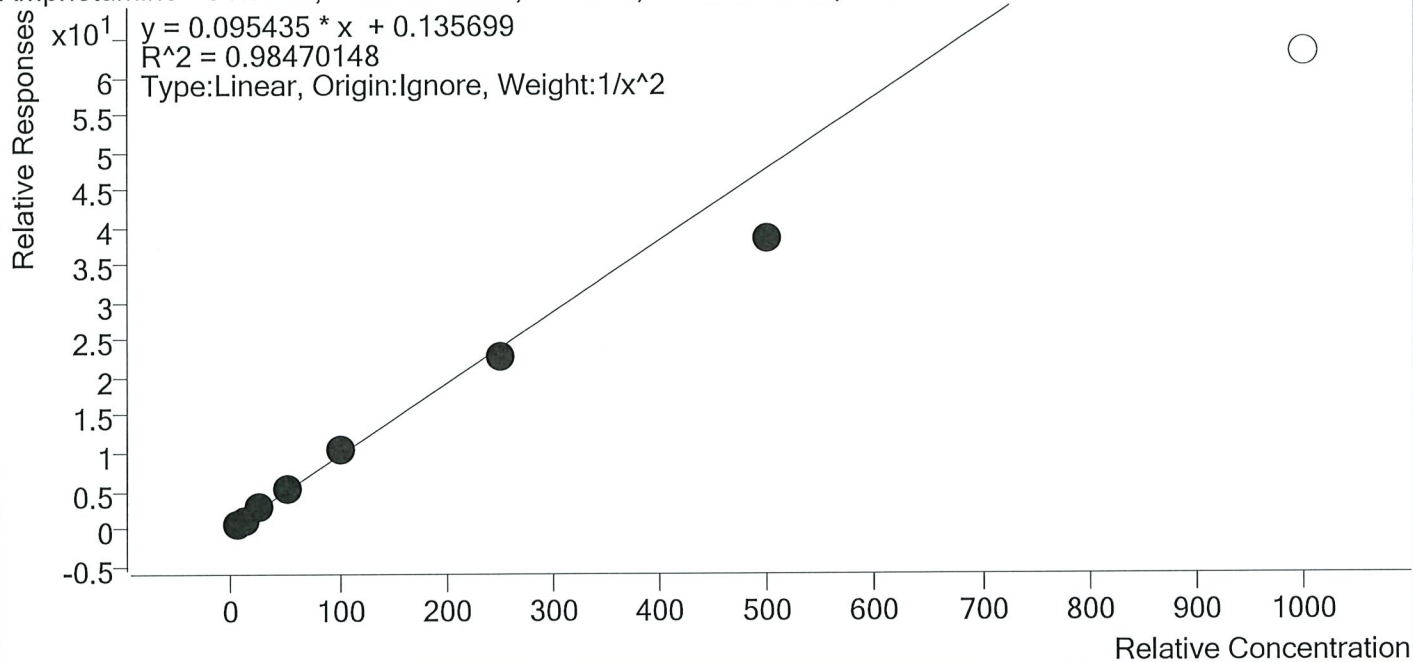
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\060520 AM 27 28 wk1st 4286 4287 TS\QuantResults\AM 28
 TS.batch.bin
 Last Cal. Update 6/8/2020 12:26 PM
 Analyst Name ISP\Datastor
 Analyte Amphetamine Internal Standard Amphetamine-D11

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.6
p1 Cal 2- 10ng	2	✓	10.0	10.5	105.1
p1 Cal 3 -25ng	3	✓	25.0	27.3	109.3
p1 Cal 4-50ng	4	✓	50.0	54.7	109.5
p1 Cal 5-100ng	5	✓	100.0	106.0	106.0
p1 Cal 6-250ng	6	✓	250.0	237.2	94.9
p1 Cal 7-500ng	7	✓	500.0	403.3	80.7
p1 Cal 8-1000ng	8	×	1000.0	660.1	66.0

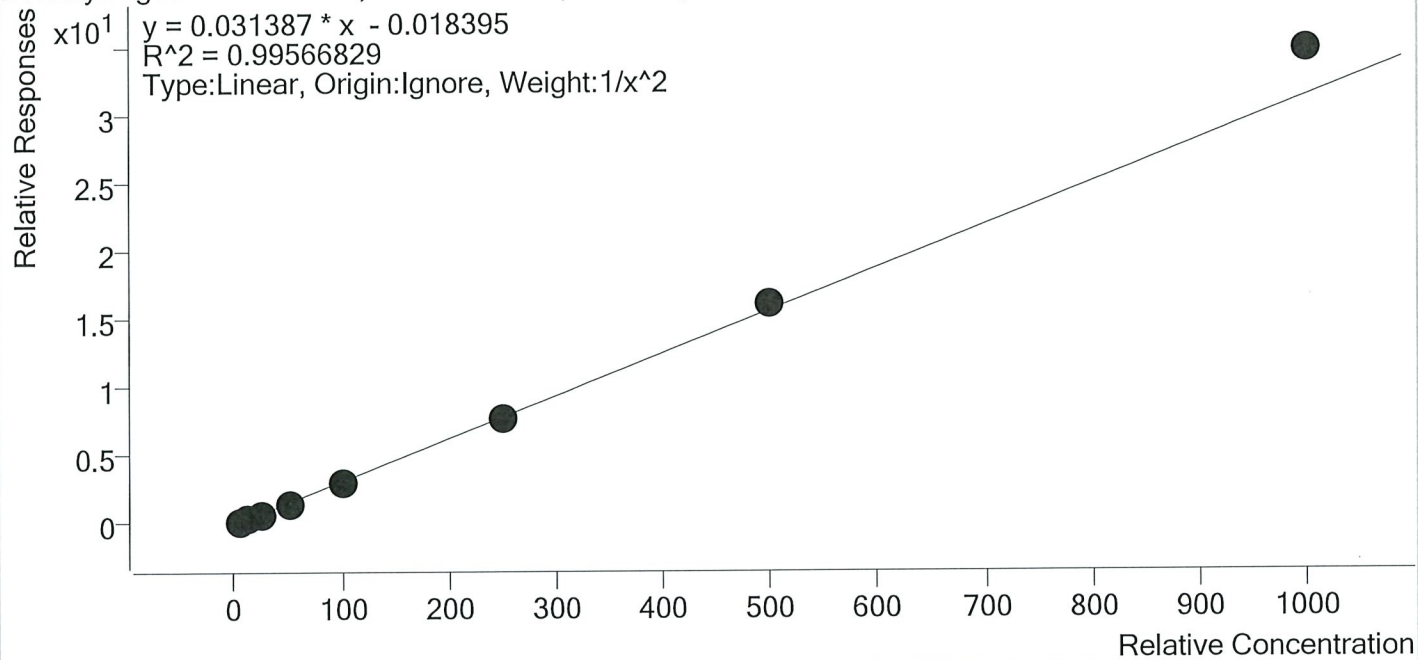
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\060520 AM 27 28 wk1st 4286 4287 TS\QuantResults\AM 28
 TS.batch.bin
Last Cal. Update 6/8/2020 12:26 PM
Analyst Name ISP\Datastor
Analyte Benzoylecgonine **Internal Standard** Benzoylecgonine-d8

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.0
p1 Cal 2- 10ng	2	✓	10.0	9.7	97.3
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.4
p1 Cal 4-50ng	4	✓	50.0	46.4	92.7
p1 Cal 5-100ng	5	✓	100.0	97.4	97.4
p1 Cal 6-250ng	6	✓	250.0	249.0	99.6
p1 Cal 7-500ng	7	✓	500.0	517.9	103.6
p1 Cal 8-1000ng	8	✓	1000.0	1109.2	110.9

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

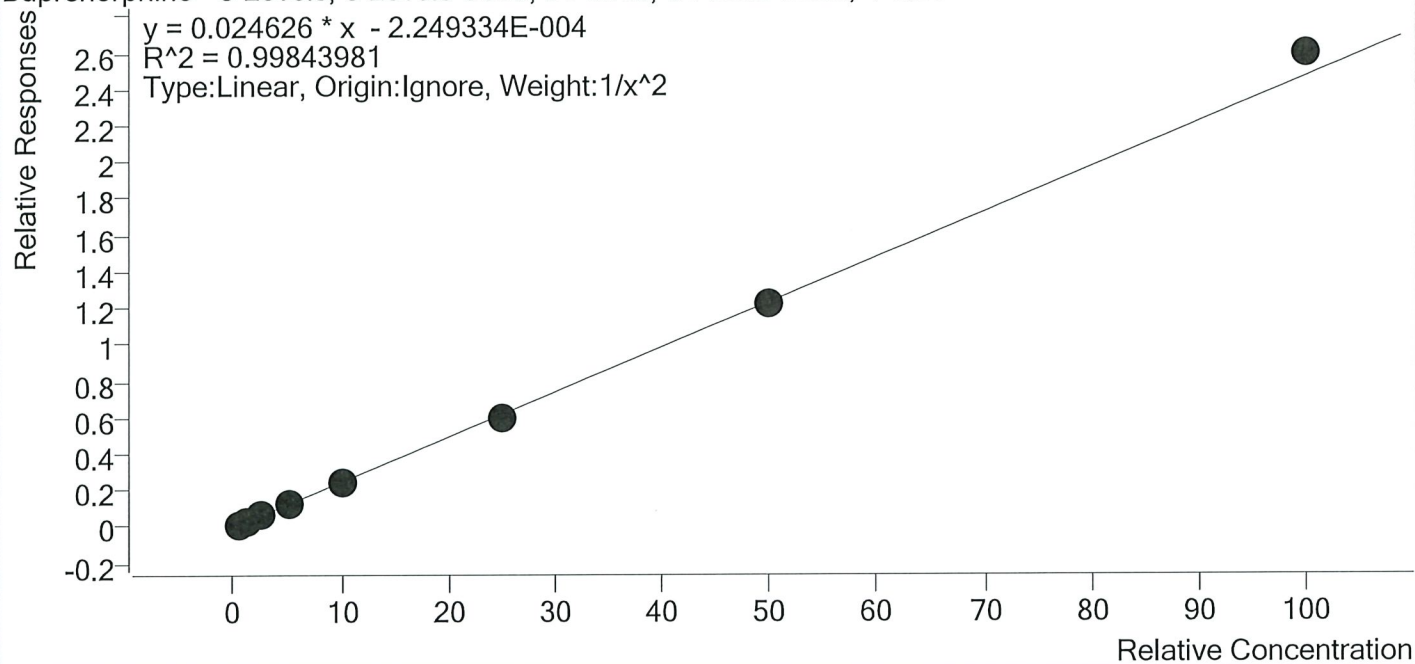
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Last Cal. Update 6/8/2020 12:26 PM

Analyst Name ISPDatator

Analyte Buprenorphine Internal Standard Buprenorphine-D4

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

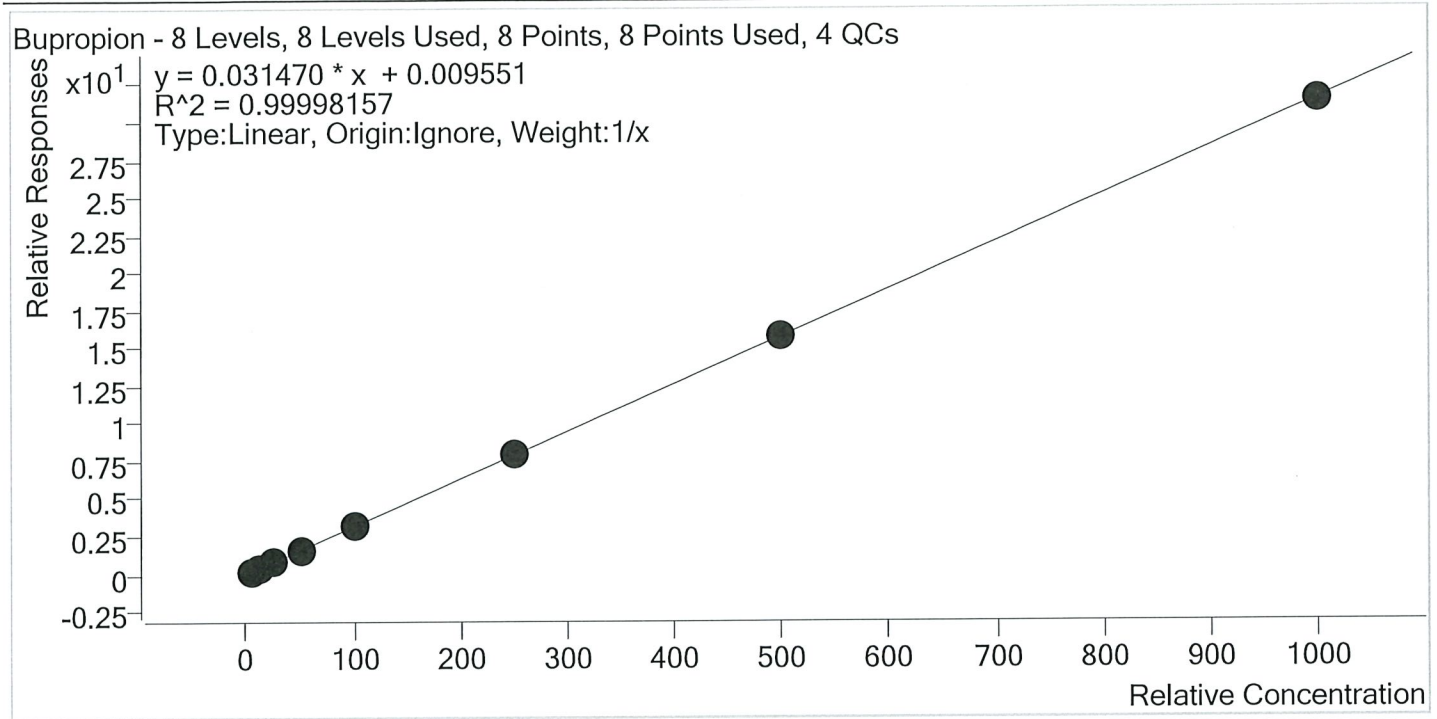


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	98.0
p1 Cal 2- 10ng	2	✓	1.0	1.0	104.1
p1 Cal 3 -25ng	3	✓	2.5	2.5	101.0
p1 Cal 4-50ng	4	✓	5.0	5.0	100.3
p1 Cal 5-100ng	5	✓	10.0	9.5	95.0
p1 Cal 6-250ng	6	✓	25.0	24.2	96.8
p1 Cal 7-500ng	7	✓	50.0	49.9	99.7
p1 Cal 8-1000ng	8	✓	100.0	105.1	105.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\060520 AM 27 28 wk1st 4286 4287 TS\QuantResults\AM 28
 TS.batch.bin
Last Cal. Update 6/8/2020 12:26 PM
Analyst Name ISP\Datastor
Analyte Bupropion **Internal Standard** Bupropion-D9



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	99.5
p1 Cal 3 -25ng	3	✓	25.0	25.0	99.9
p1 Cal 4-50ng	4	✓	50.0	50.3	100.5
p1 Cal 5-100ng	5	✓	100.0	99.3	99.3
p1 Cal 6-250ng	6	✓	250.0	251.4	100.5
p1 Cal 7-500ng	7	✓	500.0	502.2	100.4
p1 Cal 8-1000ng	8	✓	1000.0	997.0	99.7

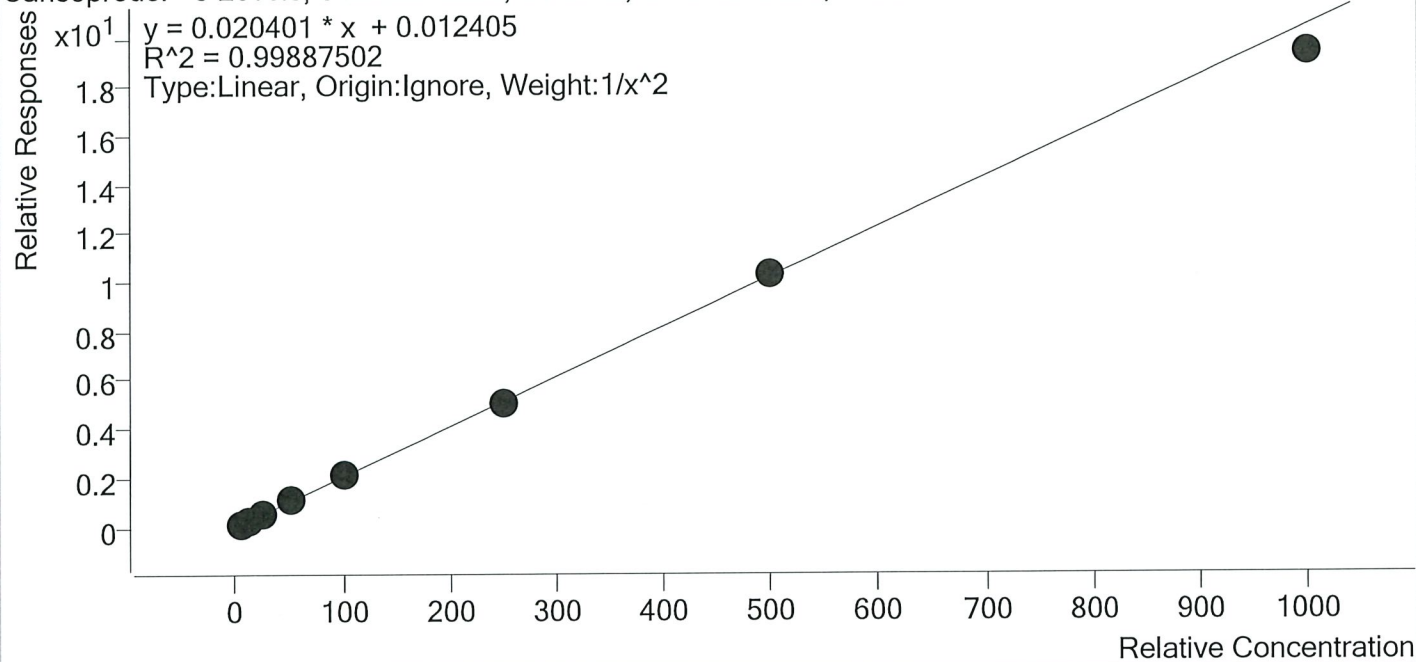
13



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\060520 AM 27 28 wk1st 4286 4287 TS\QuantResults\AM 28
 TS.batch.bin
Last Cal. Update 6/8/2020 12:26 PM
Analyst Name ISP\Datator
Analyte Carisoprodol **Internal Standard** Carisoprodol-D7

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

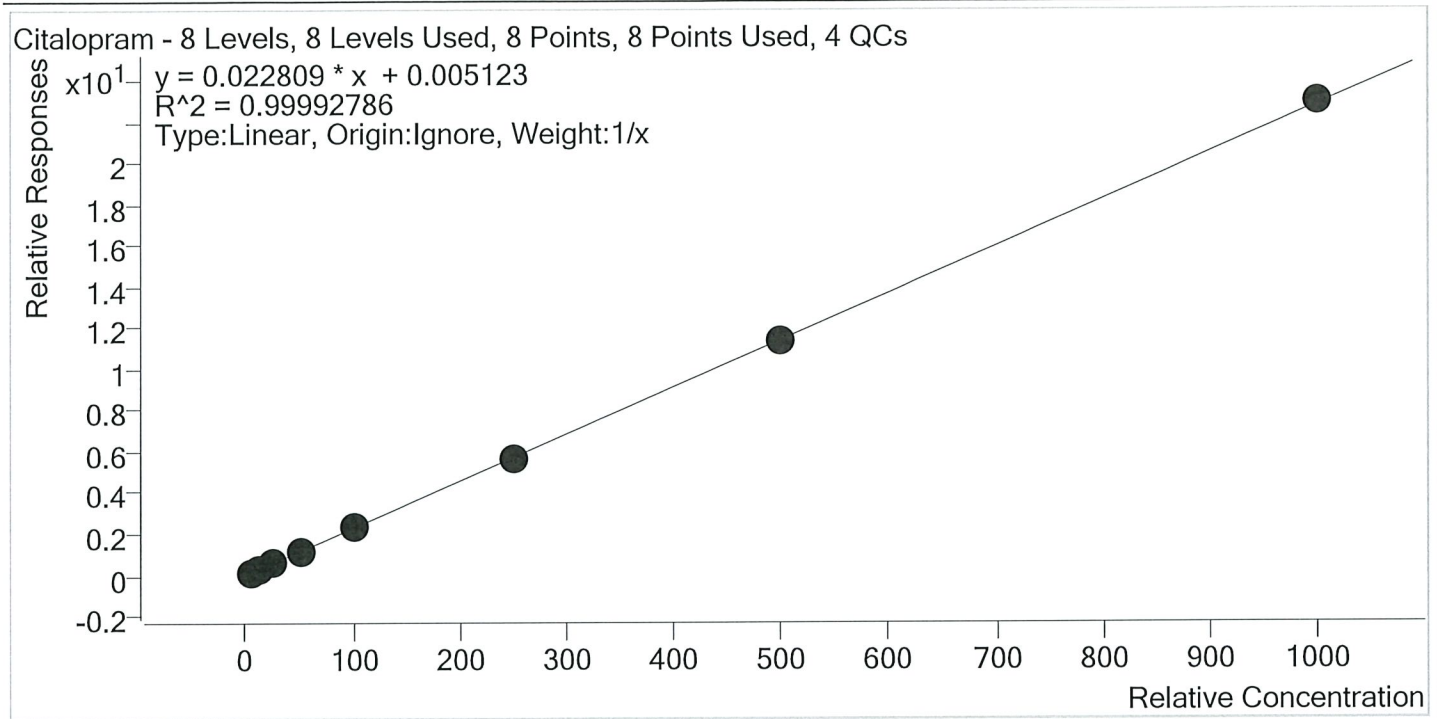


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.3
p1 Cal 2- 10ng	2	✓	10.0	10.3	102.5
p1 Cal 3 -25ng	3	✓	25.0	25.0	99.9
p1 Cal 4-50ng	4	✓	50.0	52.0	104.1
p1 Cal 5-100ng	5	✓	100.0	101.6	101.6
p1 Cal 6-250ng	6	✓	250.0	246.3	98.5
p1 Cal 7-500ng	7	✓	500.0	502.1	100.4
p1 Cal 8-1000ng	8	✓	1000.0	946.4	94.6



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\060520 AM 27 28 wk\st 4286 4287 TS\QuantResults\AM 28
 TS.batch.bin
Last Cal. Update 6/8/2020 12:26 PM
Analyst Name ISP\Datastor
Analyte Citalopram **Internal Standard** Citalopram-D6



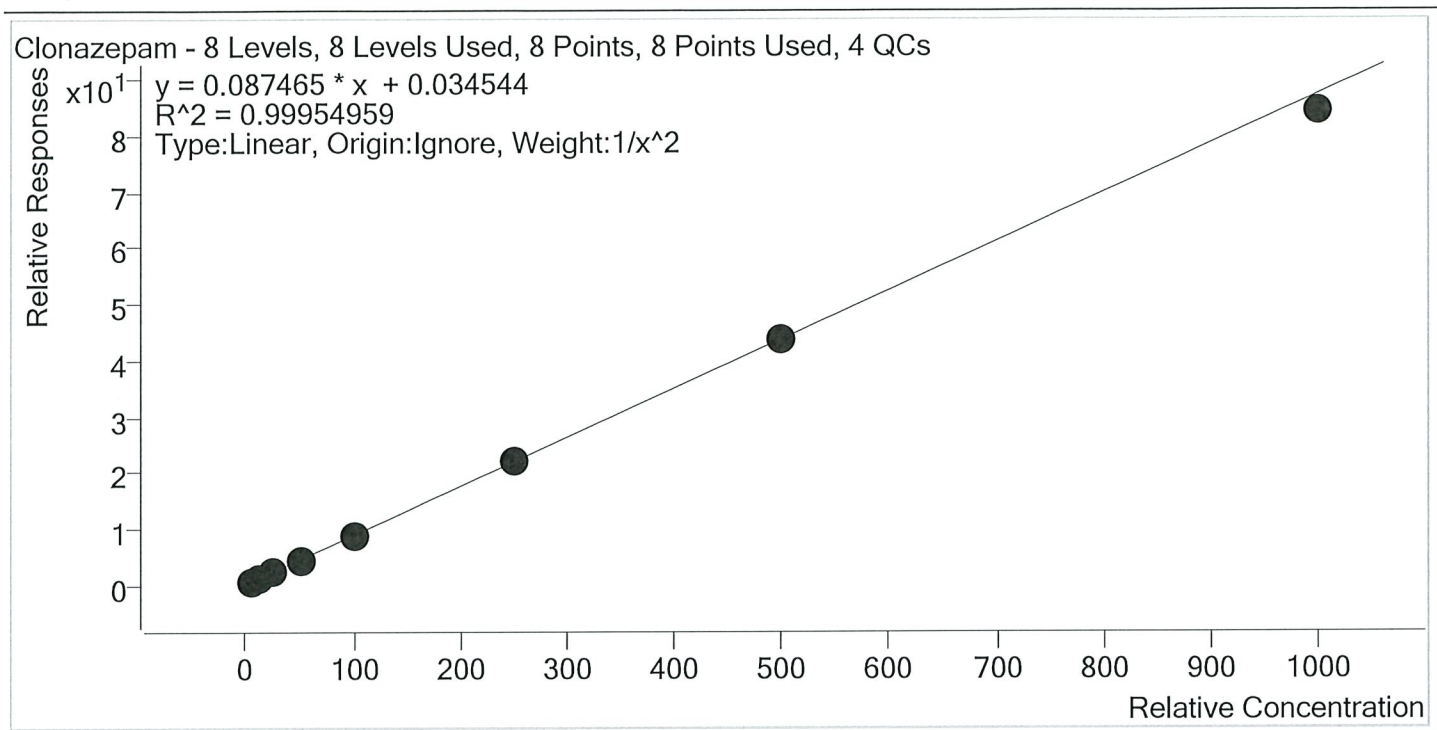
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.4
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.5
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.5
p1 Cal 4-50ng	4	✓	50.0	50.6	101.2
p1 Cal 5-100ng	5	✓	100.0	99.1	99.1
p1 Cal 6-250ng	6	✓	250.0	249.3	99.7
p1 Cal 7-500ng	7	✓	500.0	495.0	99.0
p1 Cal 8-1000ng	8	✓	1000.0	1006.5	100.6

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\060520 AM 27 28 wk1st 4286 4287 TS\QuantResults\AM 28
 TS.batch.bin
Last Cal. Update 6/8/2020 12:26 PM
Analyst Name ISP\Datastor
Analyte Clonazepam **Internal Standard** Clonazepam-D4

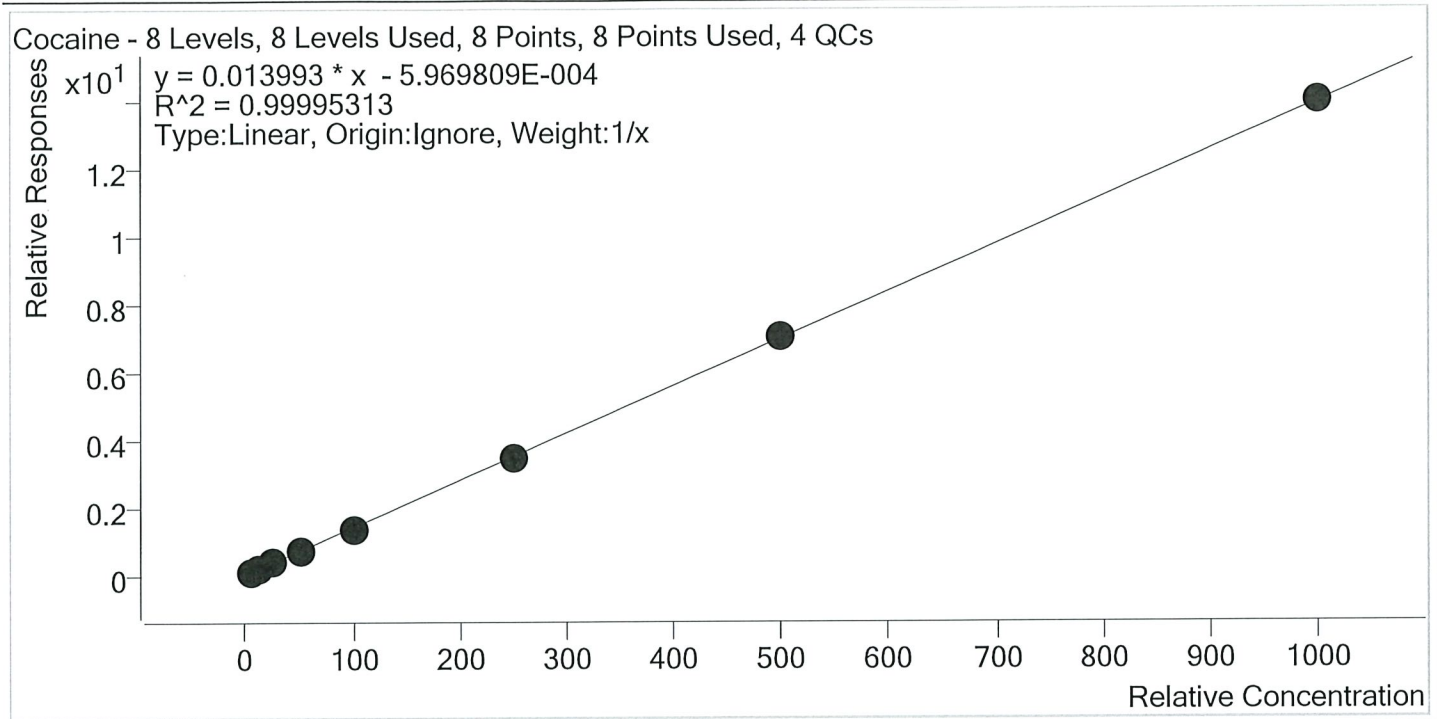


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.5
p1 Cal 2- 10ng	2	✓	10.0	9.9	98.7
p1 Cal 3 -25ng	3	✓	25.0	25.0	99.8
p1 Cal 4-50ng	4	✓	50.0	50.7	101.3
p1 Cal 5-100ng	5	✓	100.0	101.9	101.9
p1 Cal 6-250ng	6	✓	250.0	254.7	101.9
p1 Cal 7-500ng	7	✓	500.0	497.2	99.4
p1 Cal 8-1000ng	8	✓	1000.0	964.8	96.5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\060520 AM 27 28 wk\lst 4286 4287 TS\QuantResults\AM 28
 TS.batch.bin
Last Cal. Update 6/8/2020 12:26 PM
Analyst Name ISP\Datastor
Analyte Cocaine **Internal Standard** Cocaine-d3



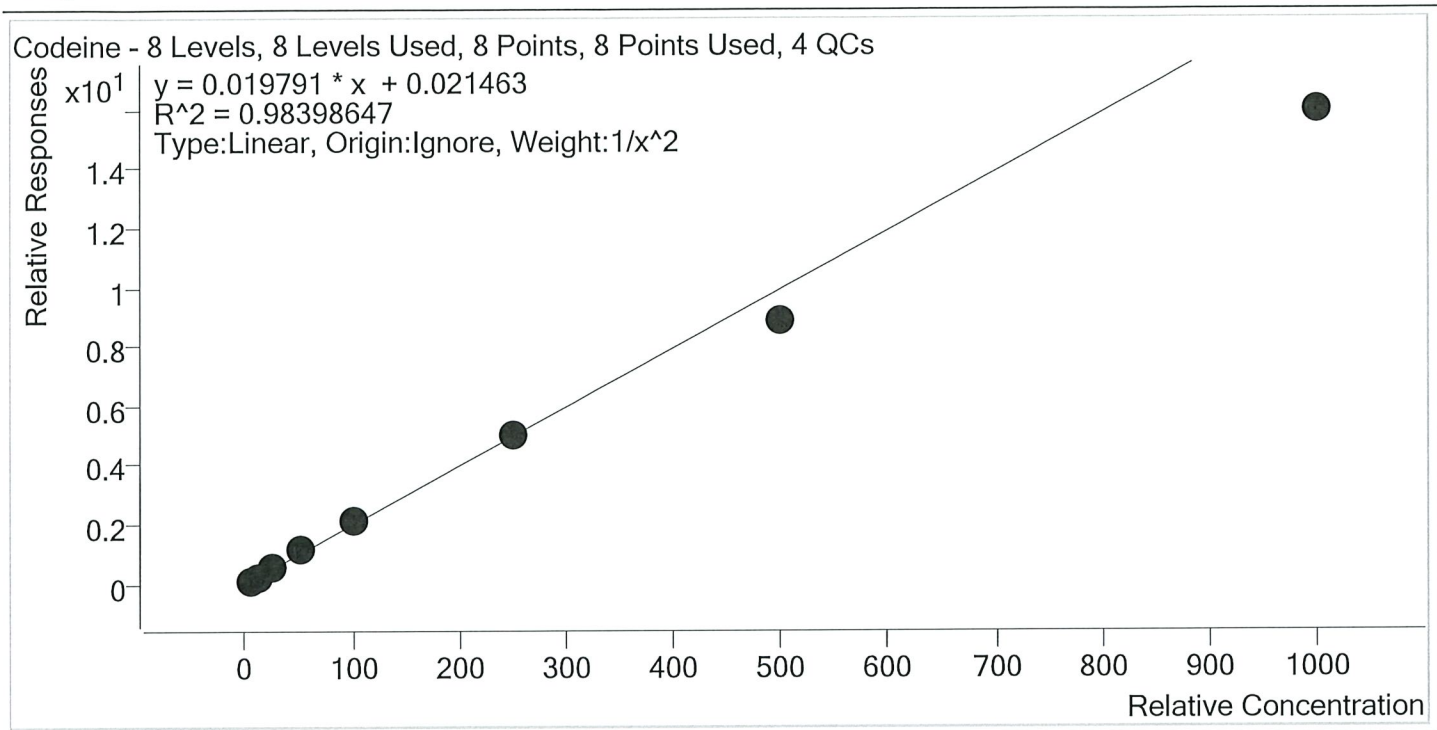
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.5
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.5
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.7
p1 Cal 4-50ng	4	✓	50.0	49.6	99.2
p1 Cal 5-100ng	5	✓	100.0	98.4	98.4
p1 Cal 6-250ng	6	✓	250.0	247.2	98.9
p1 Cal 7-500ng	7	✓	500.0	502.5	100.5
p1 Cal 8-1000ng	8	✓	1000.0	1002.2	100.2

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\060520 AM 27 28 wk1st 4286 4287 TS\QuantResults\AM 28
 TS.batch.bin
Last Cal. Update 6/8/2020 12:26 PM
Analyst Name ISPDatator
Analyte Codeine **Internal Standard** Codeine-D6



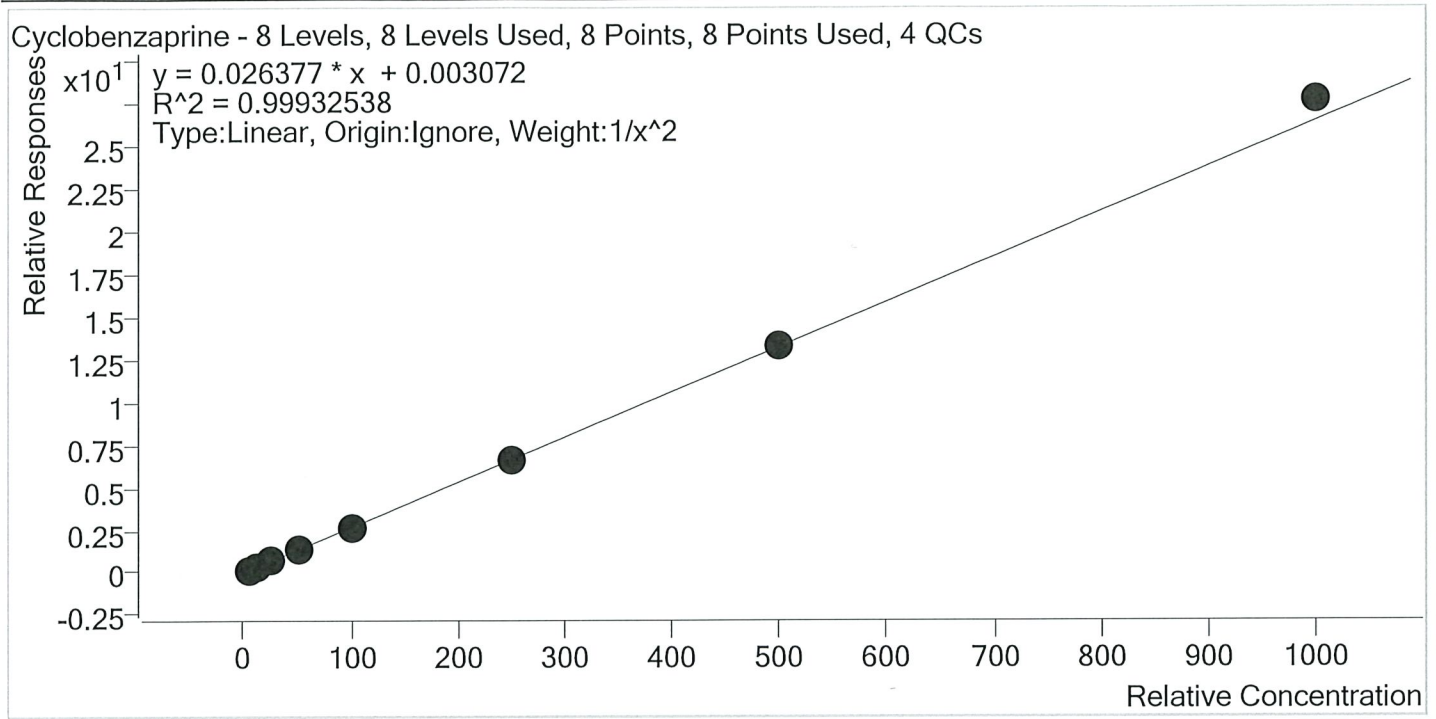
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	95.0
p1 Cal 2- 10ng	2	✓	10.0	10.3	103.0
p1 Cal 3 -25ng	3	✓	25.0	27.5	110.1
p1 Cal 4-50ng	4	✓	50.0	56.5	112.9
p1 Cal 5-100ng	5	✓	100.0	108.3	108.3
p1 Cal 6-250ng	6	✓	250.0	250.9	100.4
p1 Cal 7-500ng	7	✓	500.0	449.6	89.9
p1 Cal 8-1000ng	8	✓	1000.0	803.9	80.4

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\060520 AM 27 28 wk\st 4286 4287 TS\QuantResults\AM 28
 TS.batch.bin
Last Cal. Update 6/8/2020 12:26 PM
Analyst Name ISPDatator
Analyte Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3



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	9.9	99.4
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.4
p1 Cal 4-50ng	4	✓	50.0	48.7	97.3
p1 Cal 5-100ng	5	✓	100.0	98.3	98.3
p1 Cal 6-250ng	6	✓	250.0	247.5	99.0
p1 Cal 7-500ng	7	✓	500.0	505.4	101.1
p1 Cal 8-1000ng	8	✓	1000.0	1047.0	104.7

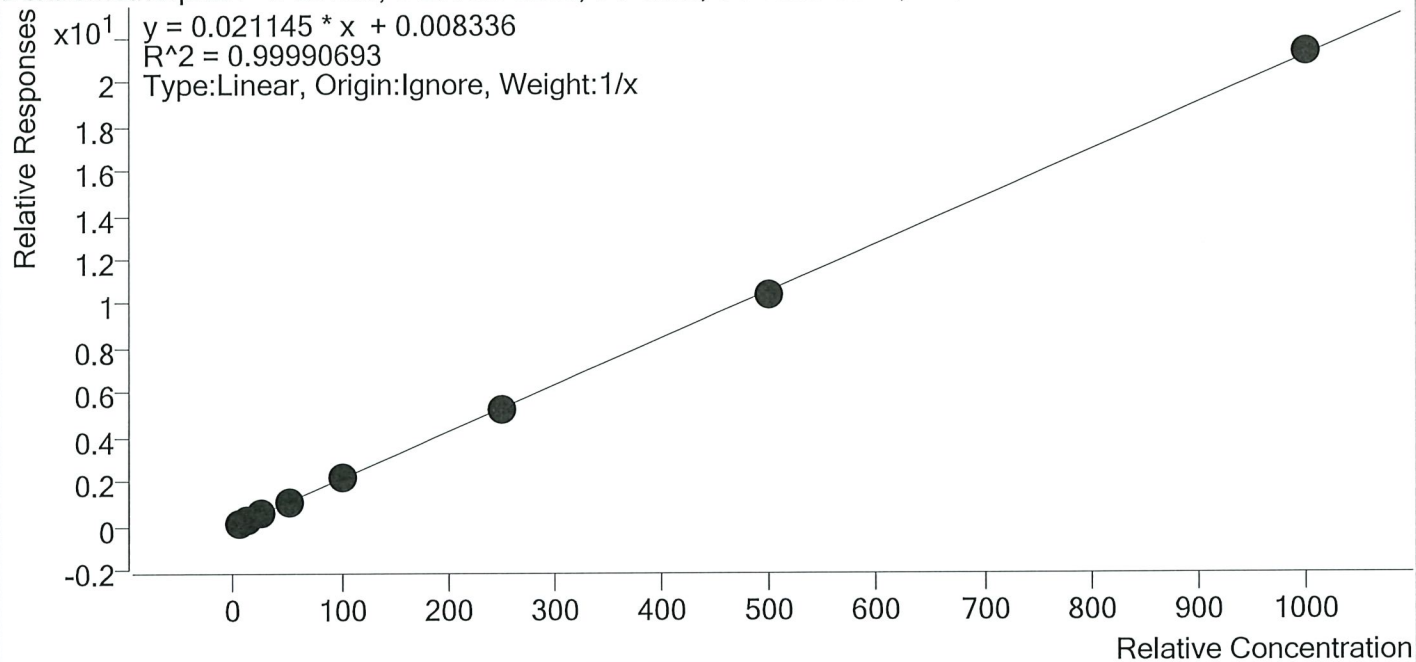
TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\060520 AM 27 28 wk1st 4286 4287 TS\QuantResults\AM 28 TS.batch.bin
Last Cal. Update 6/8/2020 12:26 PM
Analyst Name ISP\Datastor
Analyte Dextromethorphan **Internal Standard** Dextromethorphan-D3

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



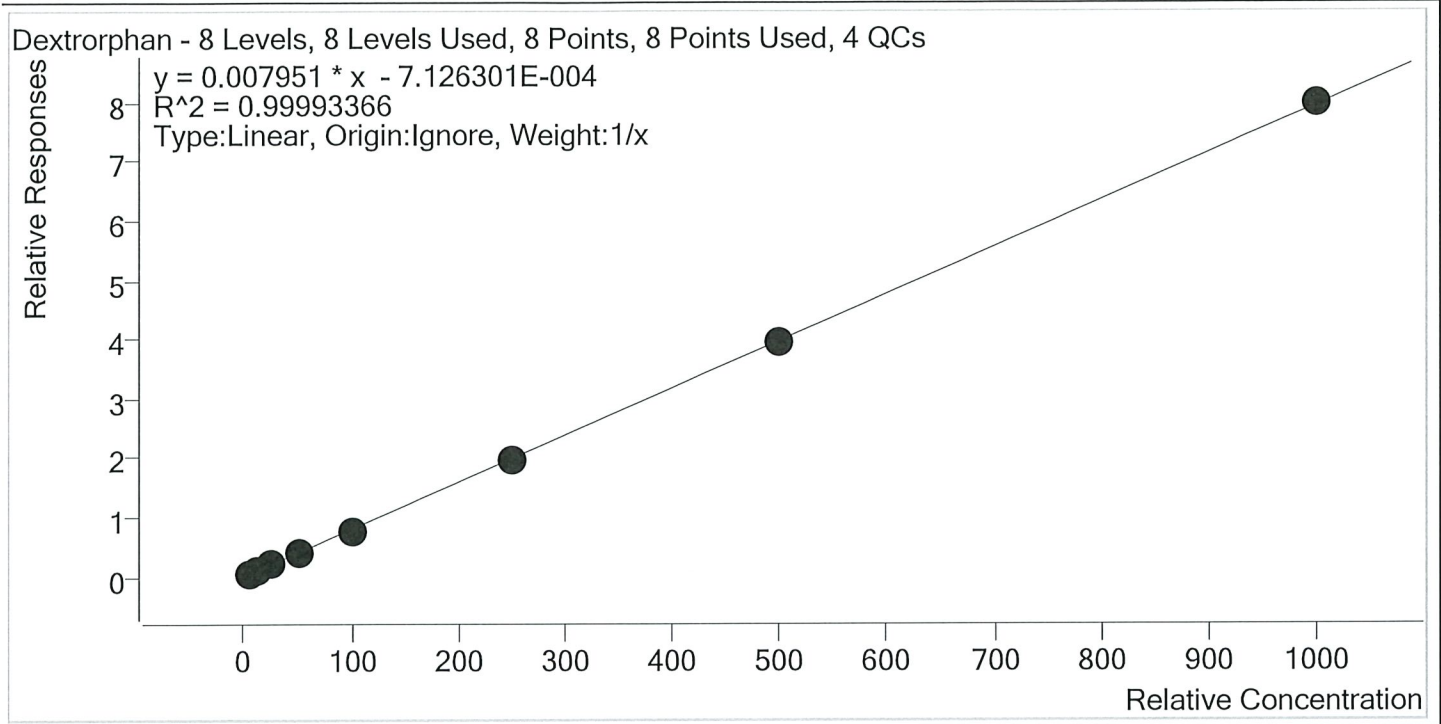
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.1
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.9
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.5
p1 Cal 4-50ng	4	✓	50.0	50.3	100.7
p1 Cal 5-100ng	5	✓	100.0	99.6	99.6
p1 Cal 6-250ng	6	✓	250.0	250.0	100.0
p1 Cal 7-500ng	7	✓	500.0	492.7	98.5
p1 Cal 8-1000ng	8	✓	1000.0	1007.3	100.7

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\060520 AM 27 28 wk1st 4286 4287 TS\QuantResults\AM 28
 TS.batch.bin
 Last Cal. Update 6/8/2020 12:26 PM
 Analyst Name ISPDatator
 Analyte Dextrorphan Internal Standard Dextrorphan-D3



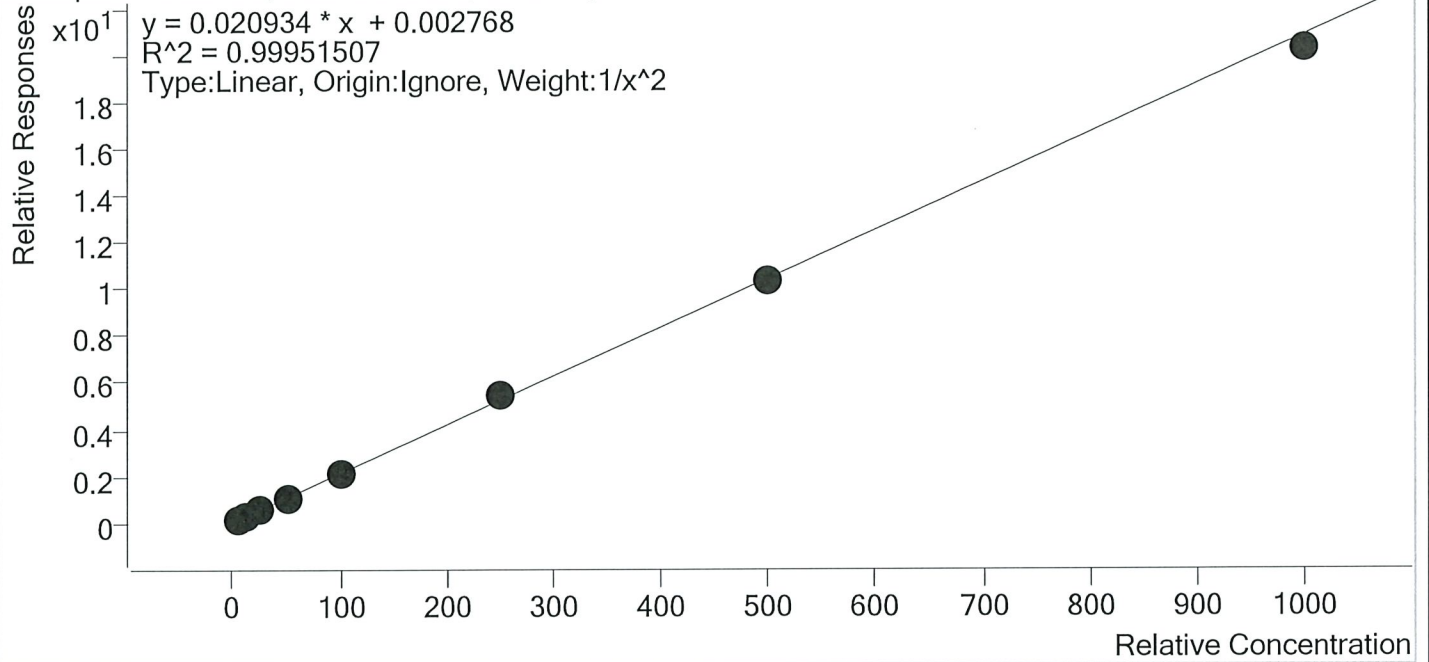
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.2
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.7
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.2
p1 Cal 4-50ng	4	✓	50.0	49.8	99.7
p1 Cal 5-100ng	5	✓	100.0	97.0	97.0
p1 Cal 6-250ng	6	✓	250.0	249.8	99.9
p1 Cal 7-500ng	7	✓	500.0	499.3	99.9
p1 Cal 8-1000ng	8	✓	1000.0	1004.0	100.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\060520 AM 27 28 wk\lst 4286 4287 TS\QuantResults\AM 28
 TS.batch.bin
Last Cal. Update 6/8/2020 12:26 PM
Analyst Name ISP\Datastor
Analyte Diazepam **Internal Standard** Diazepam-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.1
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.0
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.9
p1 Cal 4-50ng	4	✓	50.0	50.7	101.3
p1 Cal 5-100ng	5	✓	100.0	98.9	98.9
p1 Cal 6-250ng	6	✓	250.0	259.2	103.7
p1 Cal 7-500ng	7	✓	500.0	499.3	99.9
p1 Cal 8-1000ng	8	✓	1000.0	971.8	97.2

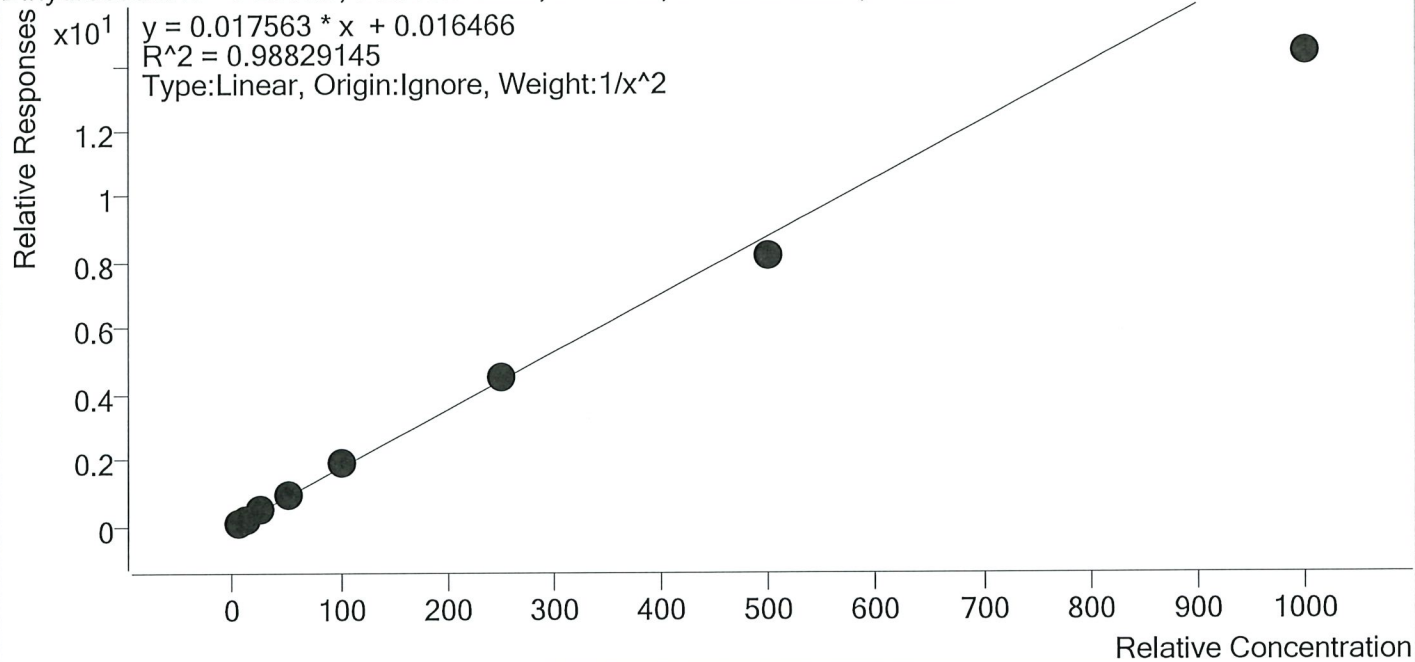
TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\060520 AM 27 28 wk1st 4286 4287 TS\QuantResults\AM 28
 TS.batch.bin
Last Cal. Update 6/8/2020 12:26 PM
Analyst Name ISP\Datastor
Analyte Dihydrocodeine **Internal Standard** Dihydrocodeine-D6

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



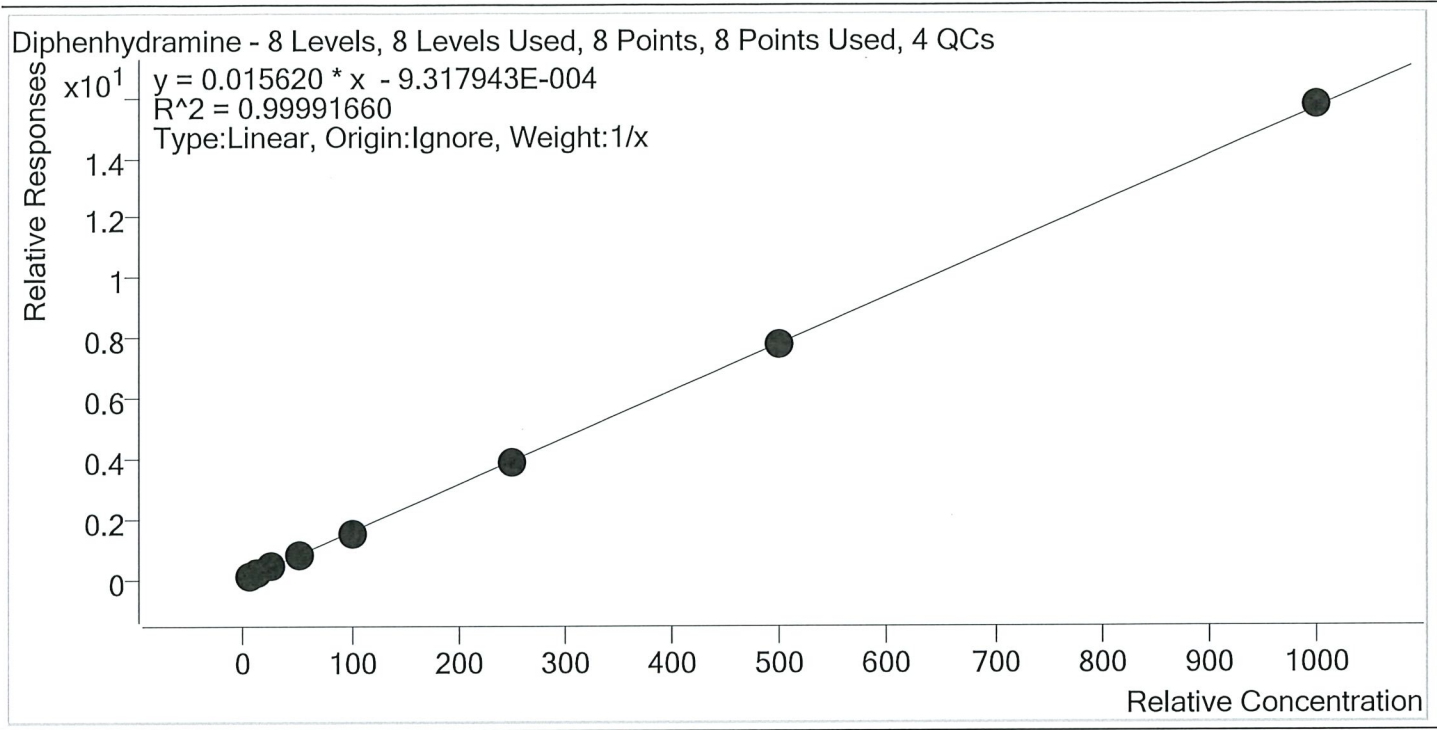
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.7
p1 Cal 2- 10ng	2	✓	10.0	10.3	103.0
p1 Cal 3 -25ng	3	✓	25.0	27.0	107.9
p1 Cal 4-50ng	4	✓	50.0	55.1	110.1
p1 Cal 5-100ng	5	✓	100.0	107.0	107.0
p1 Cal 6-250ng	6	✓	250.0	253.9	101.5
p1 Cal 7-500ng	7	✓	500.0	465.4	93.1
p1 Cal 8-1000ng	8	✓	1000.0	817.2	81.7

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\060520 AM 27 28 wk\st 4286 4287 TS\QuantResults\AM 28 TS.batch.bin
Last Cal. Update 6/8/2020 12:26 PM
Analyst Name ISP\Datastor
Analyte Diphenhydramine **Internal Standard** Diphenhydramine-D3

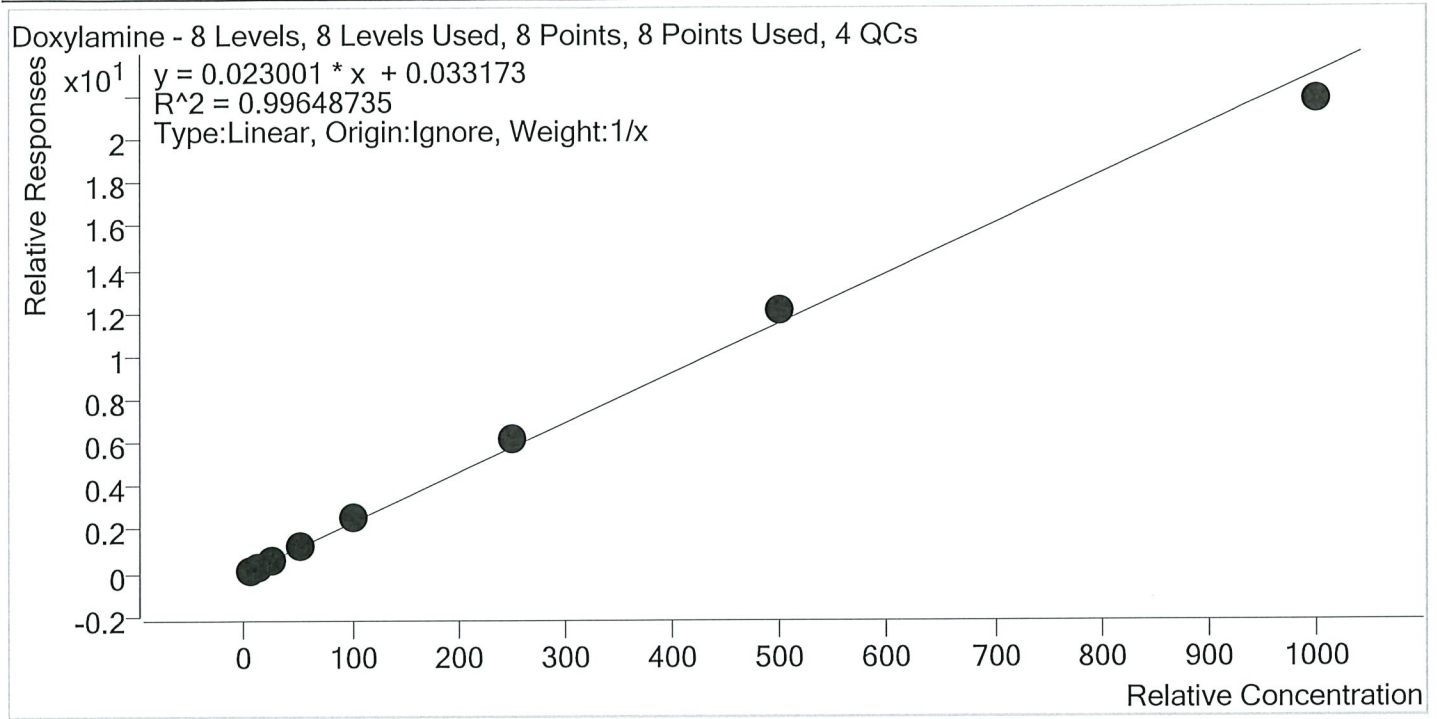


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.3
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.9
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.6
p1 Cal 4-50ng	4	✓	50.0	48.9	97.8
p1 Cal 5-100ng	5	✓	100.0	98.0	98.0
p1 Cal 6-250ng	6	✓	250.0	247.4	99.0
p1 Cal 7-500ng	7	✓	500.0	499.7	99.9
p1 Cal 8-1000ng	8	✓	1000.0	1006.0	100.6



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\060520 AM 27 28 wk1st 4286 4287 TS\QuantResults\AM 28 TS.batch.bin
Last Cal. Update 6/8/2020 12:26 PM
Analyst Name ISP\Datastor
Analyte Doxylamine **Internal Standard** Doxylamine-D5



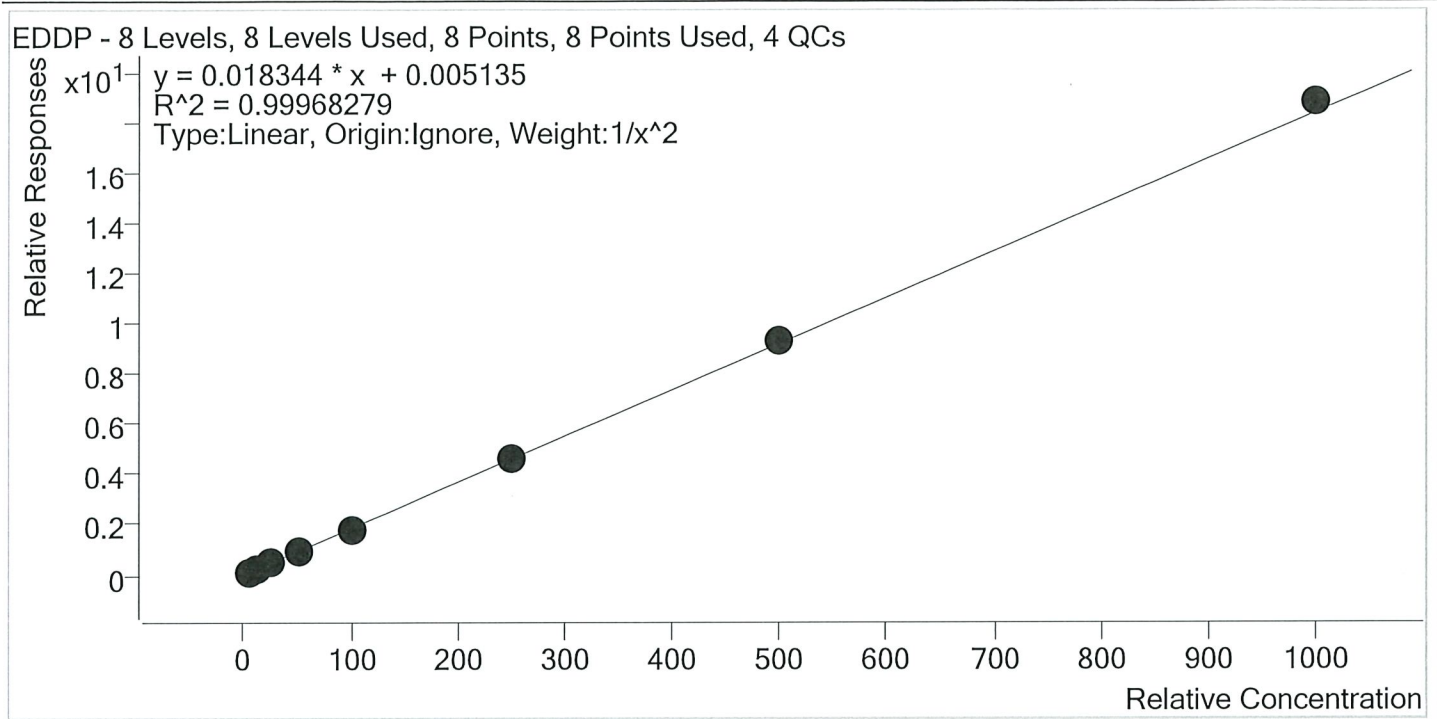
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.1	82.6
p1 Cal 2- 10ng	2	✓	10.0	9.5	95.2
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.6
p1 Cal 4-50ng	4	✓	50.0	53.5	107.0
p1 Cal 5-100ng	5	✓	100.0	106.9	106.9
p1 Cal 6-250ng	6	✓	250.0	266.5	106.6
p1 Cal 7-500ng	7	✓	500.0	526.9	105.4
p1 Cal 8-1000ng	8	✓	1000.0	947.1	94.7

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\060520 AM 27 28 wk\st 4286 4287 TS\QuantResults\AM 28 TS.batch.bin
Last Cal. Update 6/8/2020 12:26 PM
Analyst Name ISP\Datastor
Analyte EDDP **Internal Standard** EDDP-D3



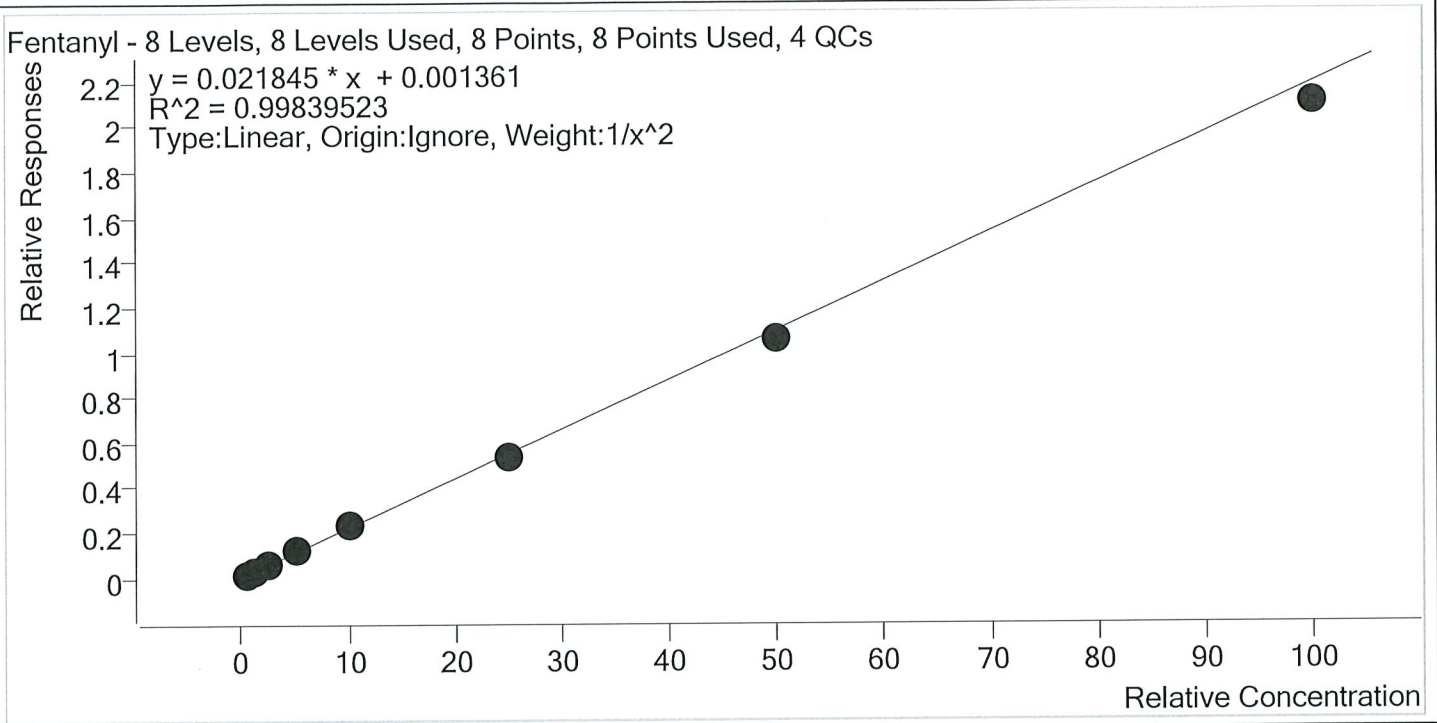
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.7
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.5
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.3
p1 Cal 4-50ng	4	✓	50.0	50.1	100.1
p1 Cal 5-100ng	5	✓	100.0	97.7	97.7
p1 Cal 6-250ng	6	✓	250.0	249.8	99.9
p1 Cal 7-500ng	7	✓	500.0	507.6	101.5
p1 Cal 8-1000ng	8	✓	1000.0	1023.0	102.3

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\060520 AM 27 28 wk1st 4286 4287 TS\QuantResults\AM 28
 TS.batch.bin
Last Cal. Update 6/8/2020 12:26 PM
Analyst Name ISP\Datastor
Analyte Fentanyl **Internal Standard** Fentanyl-D5



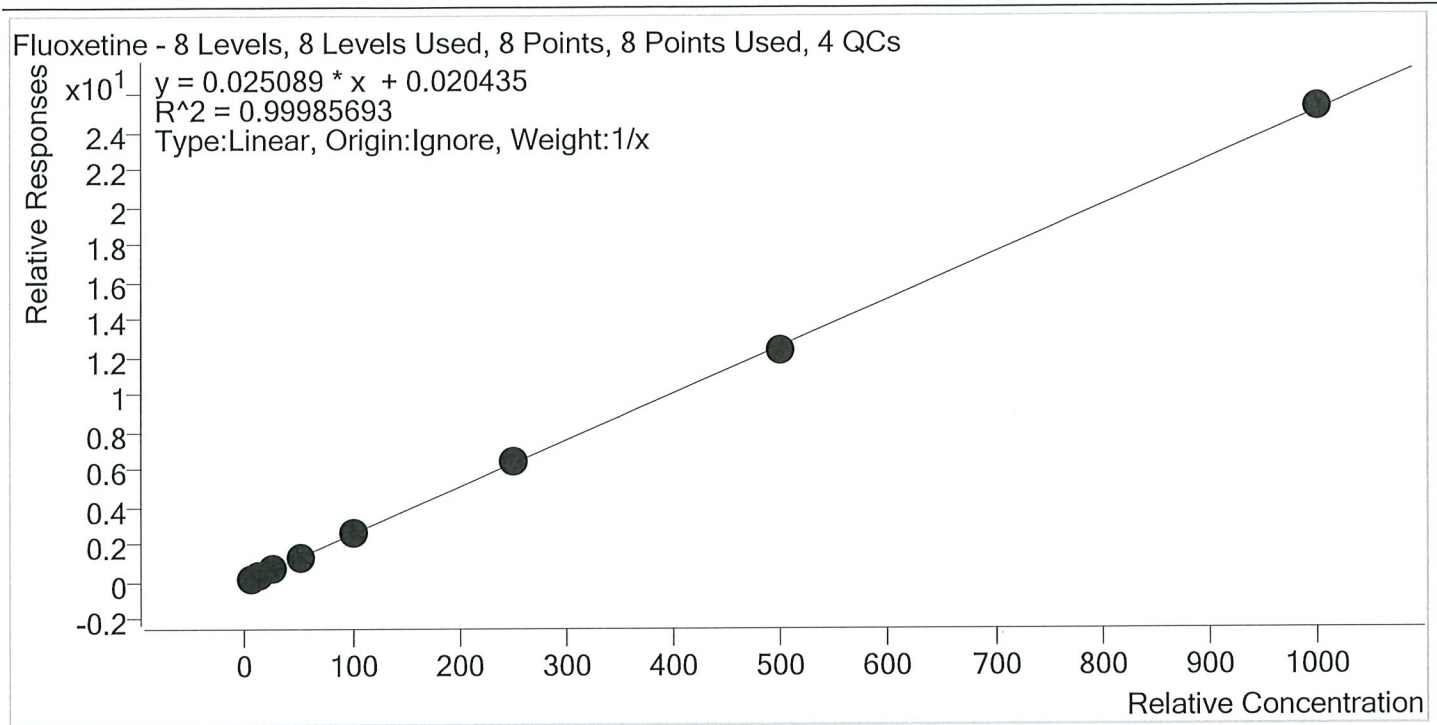
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	96.6
p1 Cal 2- 10ng	2	✓	1.0	1.1	105.5
p1 Cal 3 -25ng	3	✓	2.5	2.5	101.9
p1 Cal 4-50ng	4	✓	5.0	5.1	102.9
p1 Cal 5-100ng	5	✓	10.0	10.2	101.7
p1 Cal 6-250ng	6	✓	25.0	24.6	98.5
p1 Cal 7-500ng	7	✓	50.0	48.4	96.9
p1 Cal 8-1000ng	8	✓	100.0	96.0	96.0

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\060520 AM 27 28 wk1st 4286 4287 TS\QuantResults\AM 28
 TS.batch.bin
Last Cal. Update 6/8/2020 12:26 PM
Analyst Name ISP\Datastor
Analyte Fluoxetine **Internal Standard** Fluoxetine-D6



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	10.0	100.5
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.1
p1 Cal 4-50ng	4	✓	50.0	50.8	101.6
p1 Cal 5-100ng	5	✓	100.0	98.8	98.8
p1 Cal 6-250ng	6	✓	250.0	251.2	100.5
p1 Cal 7-500ng	7	✓	500.0	491.3	98.3
p1 Cal 8-1000ng	8	✓	1000.0	1007.4	100.7

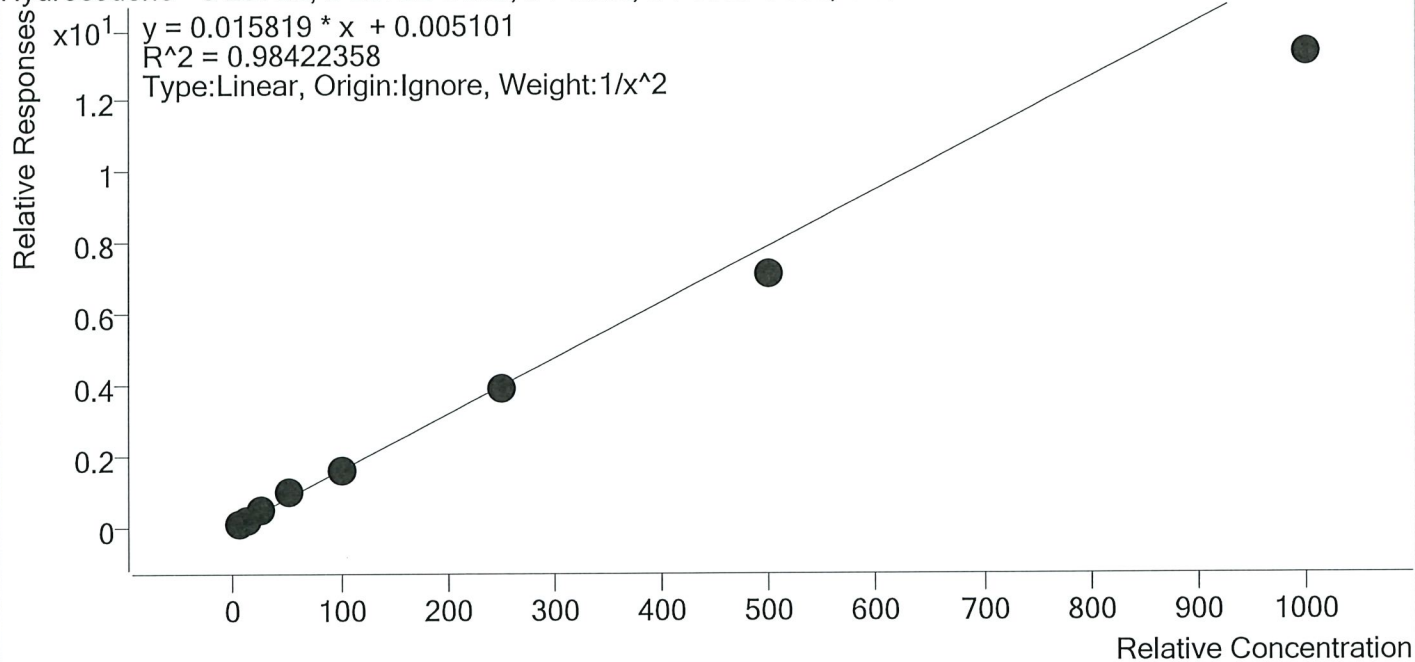
TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\060520 AM 27 28 wk1st 4286 4287 TS\QuantResults\AM 28
 TS.batch.bin
Last Cal. Update 6/8/2020 12:26 PM
Analyst Name ISP\Datastor
Analyte Hydrocodone **Internal Standard** Hydrocodone-D6

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

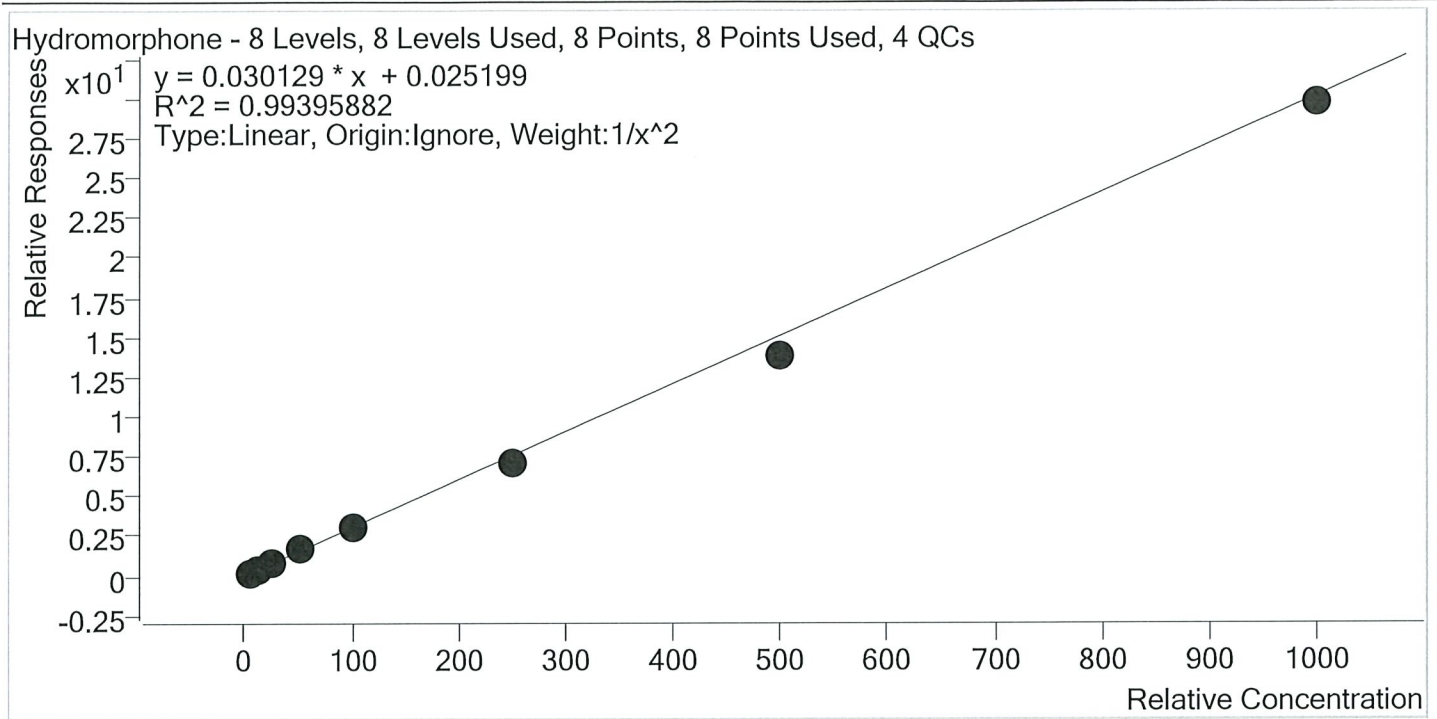


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.2
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.8
p1 Cal 3 -25ng	3	✓	25.0	27.6	110.6
p1 Cal 4-50ng	4	✓	50.0	59.6	119.2
p1 Cal 5-100ng	5	✓	100.0	101.2	101.2
p1 Cal 6-250ng	6	✓	250.0	247.3	98.9
p1 Cal 7-500ng	7	✓	500.0	449.2	89.8
p1 Cal 8-1000ng	8	✓	1000.0	843.1	84.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\060520 AM 27 28 wk1st 4286 4287 TS\QuantResults\AM 28 TS.batch.bin
Last Cal. Update 6/8/2020 12:26 PM
Analyst Name ISP\Datastor
Analyte Hydromorphone **Internal Standard** Hydromorphone-D6



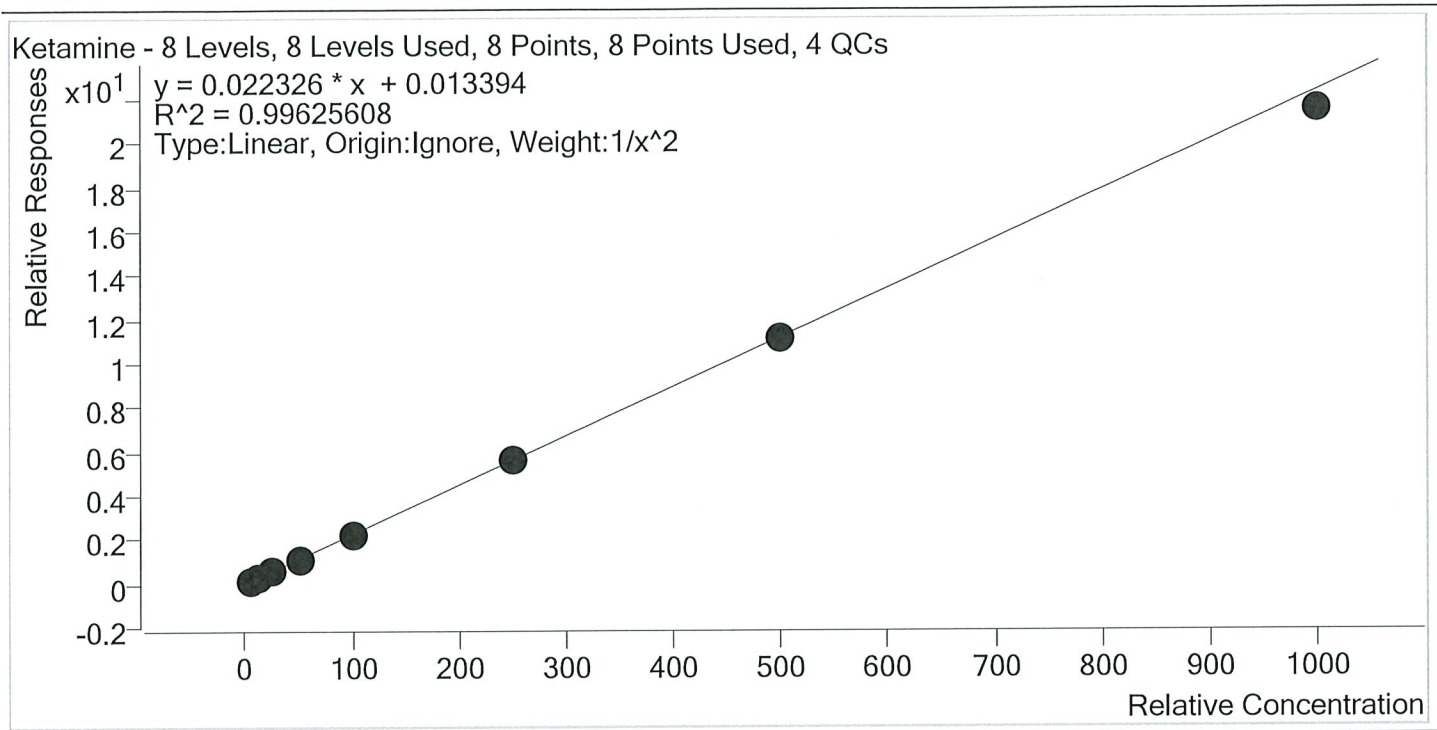
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.5
p1 Cal 2- 10ng	2	✓	10.0	10.6	106.1
p1 Cal 3 -25ng	3	✓	25.0	27.7	111.0
p1 Cal 4-50ng	4	✓	50.0	52.4	104.8
p1 Cal 5-100ng	5	✓	100.0	99.3	99.3
p1 Cal 6-250ng	6	✓	250.0	236.5	94.6
p1 Cal 7-500ng	7	✓	500.0	456.0	91.2
p1 Cal 8-1000ng	8	✓	1000.0	985.5	98.6

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\060520 AM 27 28 wklst 4286 4287 TS\QuantResults\AM 28
 TS.batch.bin
Last Cal. Update 6/8/2020 12:26 PM
Analyst Name ISPDatator
Analyte Ketamine **Internal Standard** Ketamine-D4



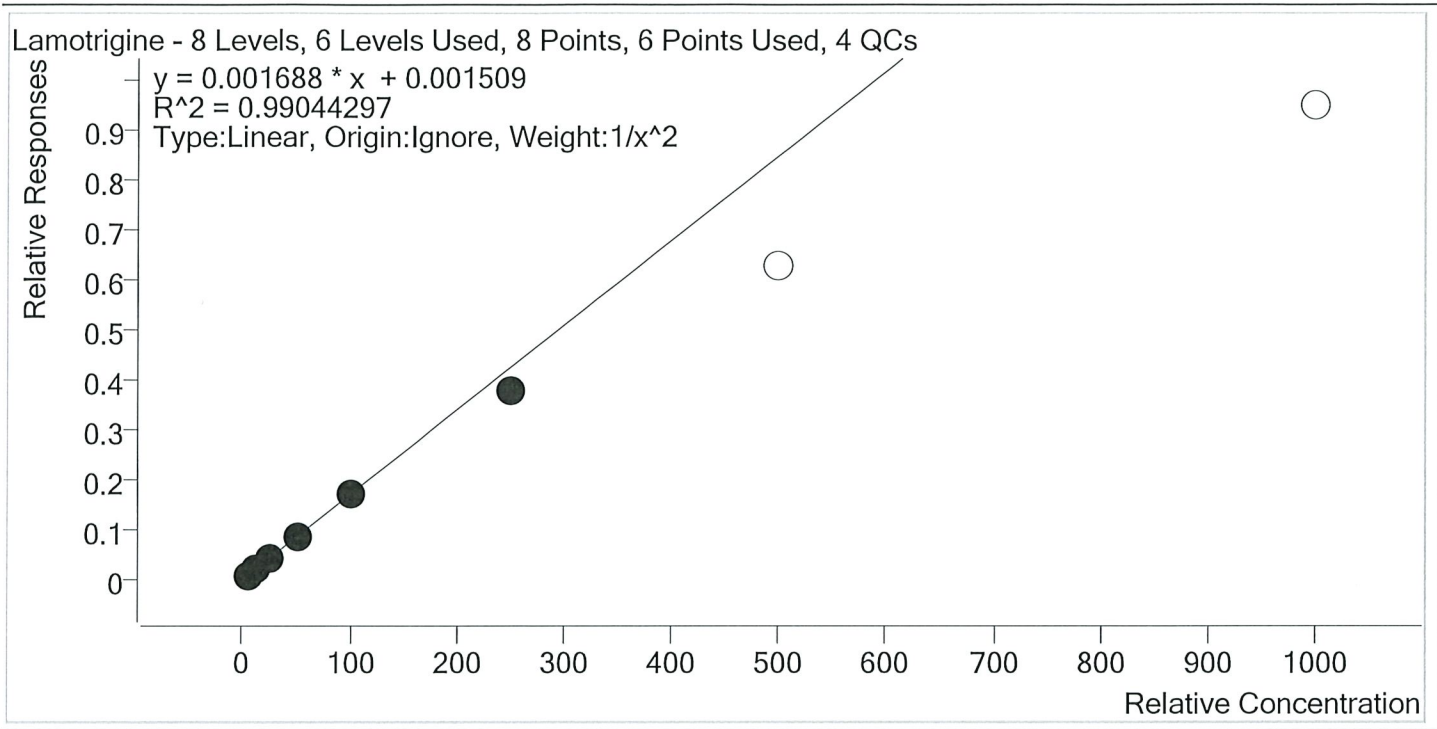
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.3
p1 Cal 2- 10ng	2	✓	10.0	11.2	112.0
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.1
p1 Cal 4-50ng	4	✓	50.0	50.5	101.0
p1 Cal 5-100ng	5	✓	100.0	99.4	99.4
p1 Cal 6-250ng	6	✓	250.0	247.1	98.8
p1 Cal 7-500ng	7	✓	500.0	500.9	100.2
p1 Cal 8-1000ng	8	✓	1000.0	961.9	96.2

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\060520 AM 27 28 wk\st 4286 4287 TS\QuantResults\AM 28
 TS.batch.bin
Last Cal. Update 6/8/2020 12:26 PM
Analyst Name ISPDatator
Analyte Lamotrigine **Internal Standard** Ketamine-D4



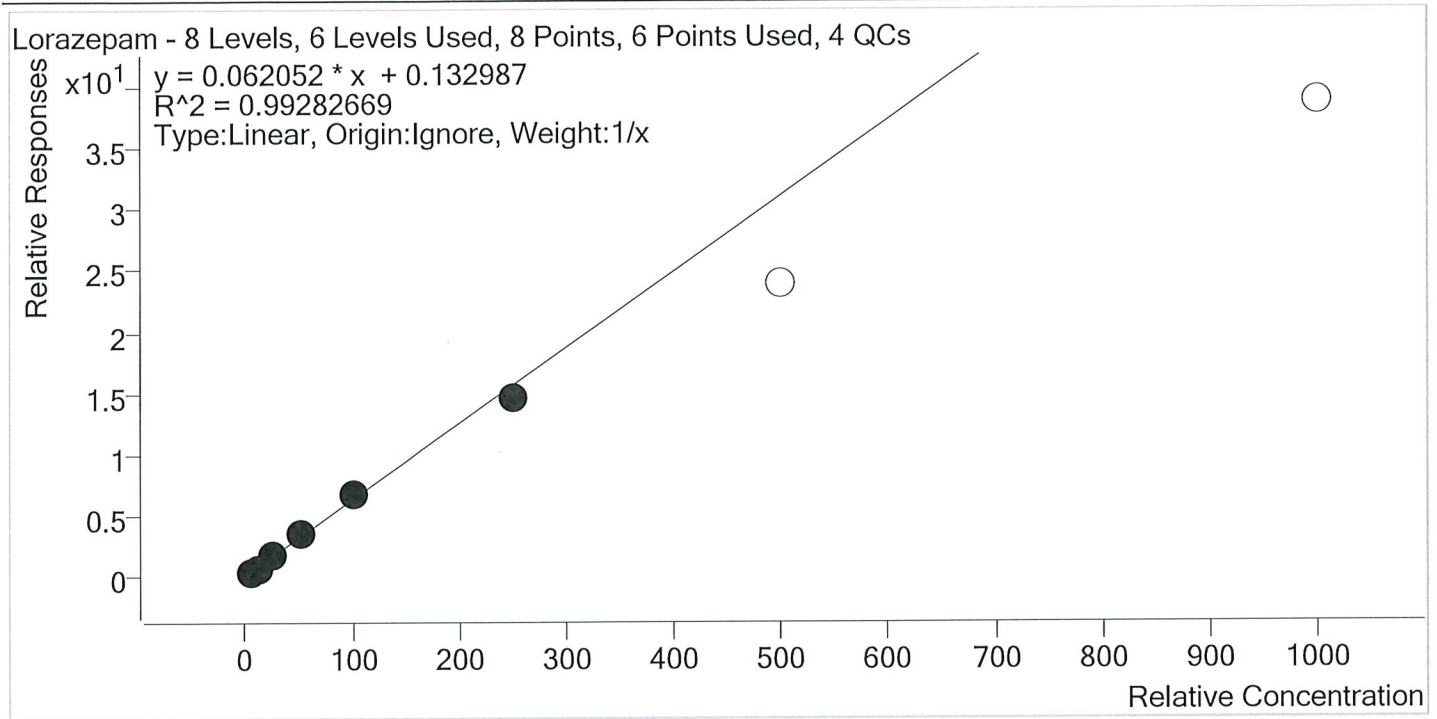
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	93.6
p1 Cal 2- 10ng	2	✓	10.0	11.1	110.6
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.5
p1 Cal 4-50ng	4	✓	50.0	51.2	102.5
p1 Cal 5-100ng	5	✓	100.0	99.2	99.2
p1 Cal 6-250ng	6	✓	250.0	221.6	88.6
p1 Cal 7-500ng	7	×	500.0	372.3	74.5
p1 Cal 8-1000ng	8	×	1000.0	559.3	55.9

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\060520 AM 27 28 wk\lst 4286 4287 TS\QuantResults\AM 28
 TS.batch.bin
Last Cal. Update 6/8/2020 12:26 PM
Analyst Name ISP\Datator
Analyte Lorazepam **Internal Standard** Clonazepam-D4

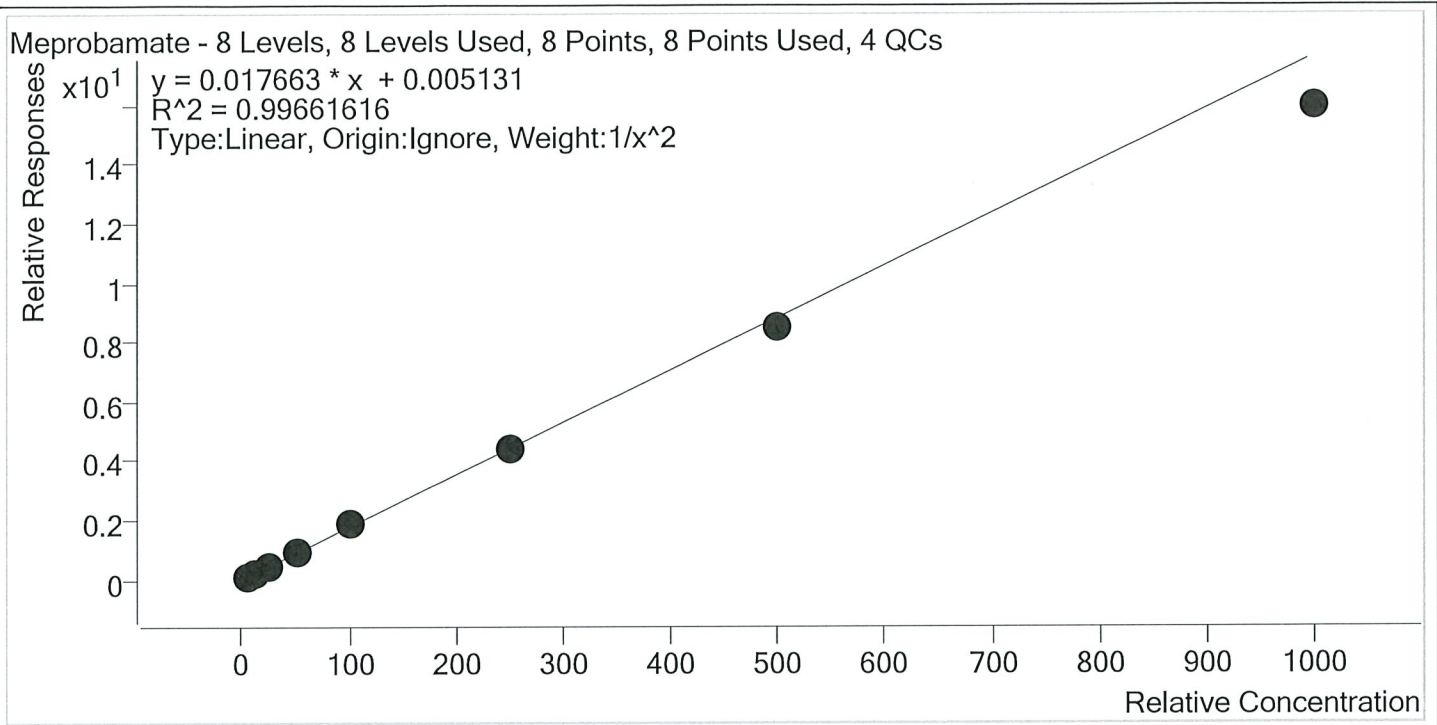


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.0	80.5
p1 Cal 2- 10ng	2	✓	10.0	9.7	97.1
p1 Cal 3 -25ng	3	✓	25.0	27.4	109.7
p1 Cal 4-50ng	4	✓	50.0	55.1	110.2
p1 Cal 5-100ng	5	✓	100.0	108.3	108.3
p1 Cal 6-250ng	6	✓	250.0	235.5	94.2
p1 Cal 7-500ng	7	×	500.0	383.4	76.7
p1 Cal 8-1000ng	8	×	1000.0	623.3	62.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\060520 AM 27 28 wk1st 4286 4287 TS\QuantResults\AM 28
 TS.batch.bin
Last Cal. Update 6/8/2020 12:26 PM
Analyst Name ISP\Datastor
Analyte Meprobamate **Internal Standard** Meprobamate-D7



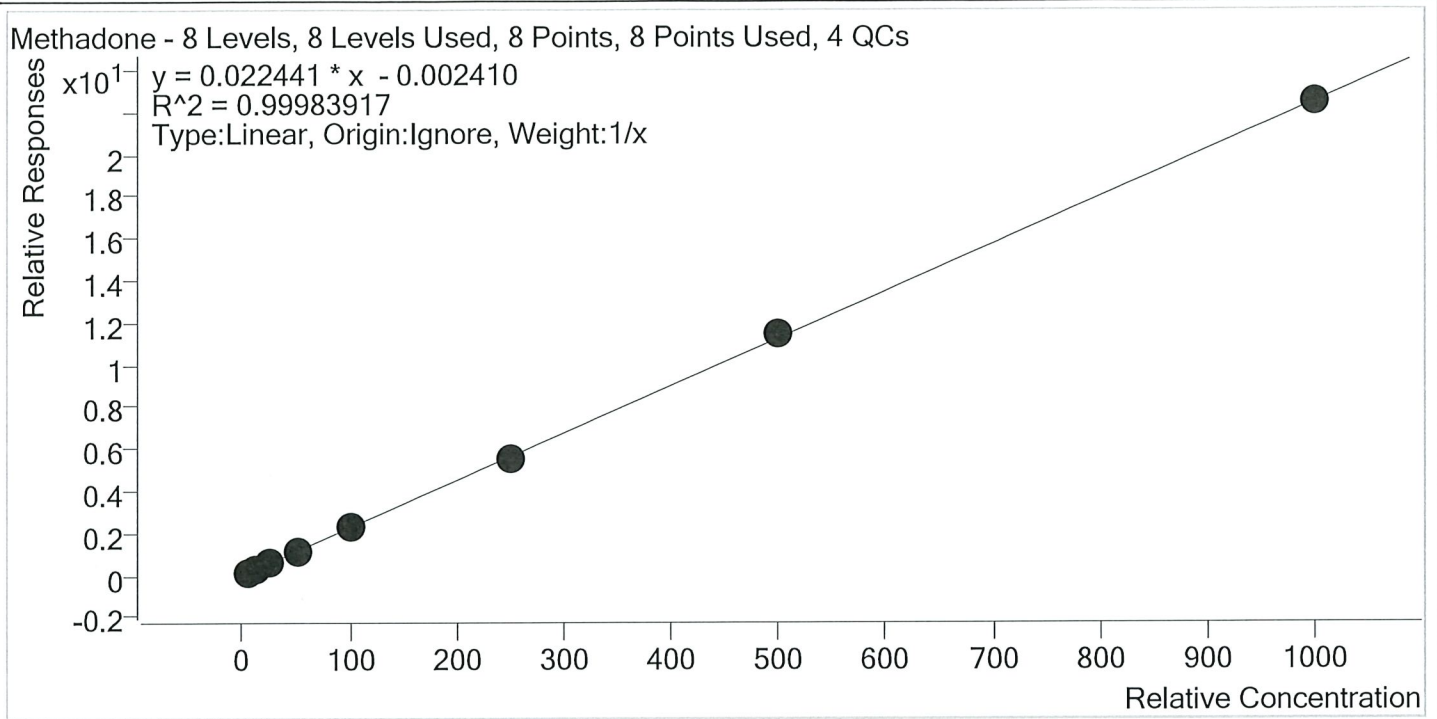
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.0
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.2
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.5
p1 Cal 4-50ng	4	✓	50.0	52.8	105.7
p1 Cal 5-100ng	5	✓	100.0	104.5	104.5
p1 Cal 6-250ng	6	✓	250.0	252.0	100.8
p1 Cal 7-500ng	7	✓	500.0	480.2	96.0
p1 Cal 8-1000ng	8	✓	1000.0	903.6	90.4

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\060520 AM 27 28 wk1st 4286 4287 TS\QuantResults\AM 28 TS.batch.bin
Last Cal. Update 6/8/2020 12:26 PM
Analyst Name ISP\Datastor
Analyte Methadone **Internal Standard** Methadone-D9

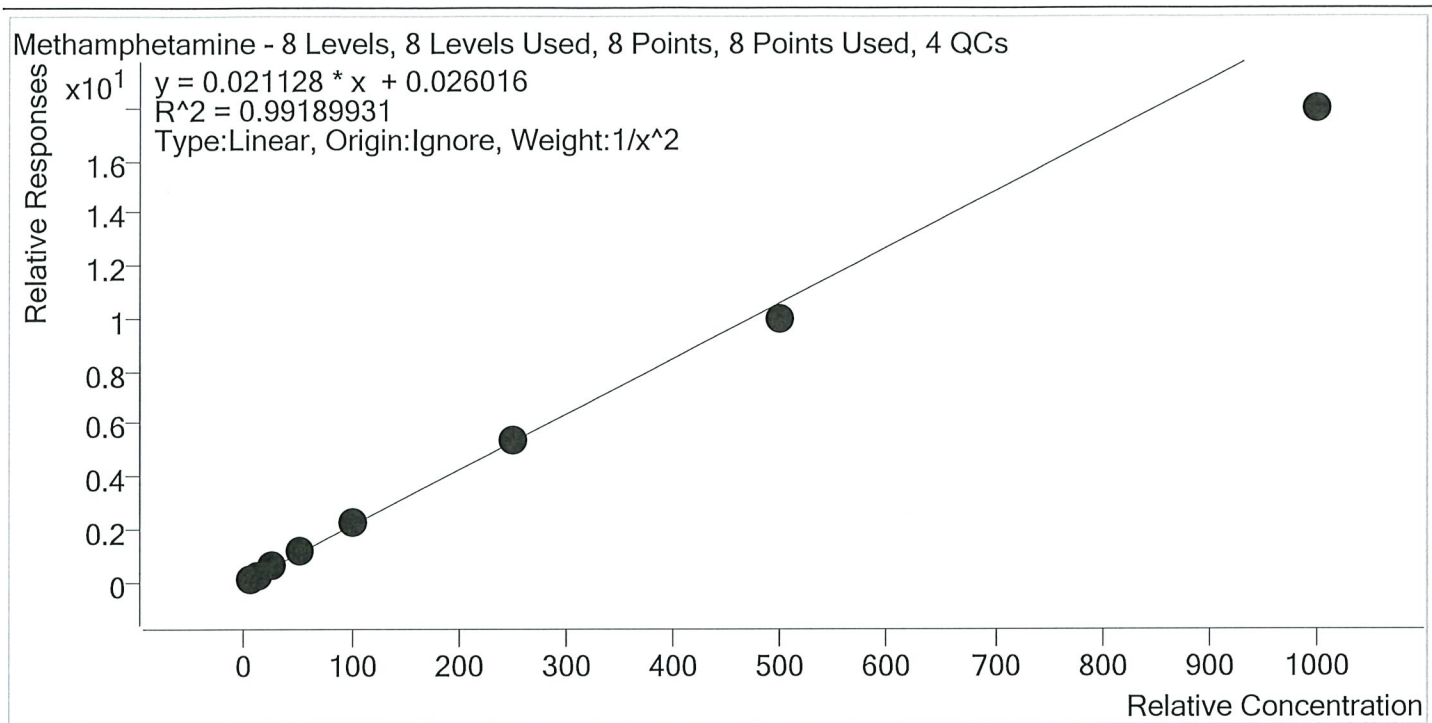


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.9
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.0
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.0
p1 Cal 4-50ng	4	✓	50.0	48.2	96.4
p1 Cal 5-100ng	5	✓	100.0	100.5	100.5
p1 Cal 6-250ng	6	✓	250.0	244.7	97.9
p1 Cal 7-500ng	7	✓	500.0	507.0	101.4
p1 Cal 8-1000ng	8	✓	1000.0	999.6	100.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\060520 AM 27 28 wk1st 4286 4287 TS\QuantResults\AM 28
 TS.batch.bin
Last Cal. Update 6/8/2020 12:26 PM
Analyst Name ISP\Datastor
Analyte Methamphetamine **Internal Standard** Methamphetamine-D11

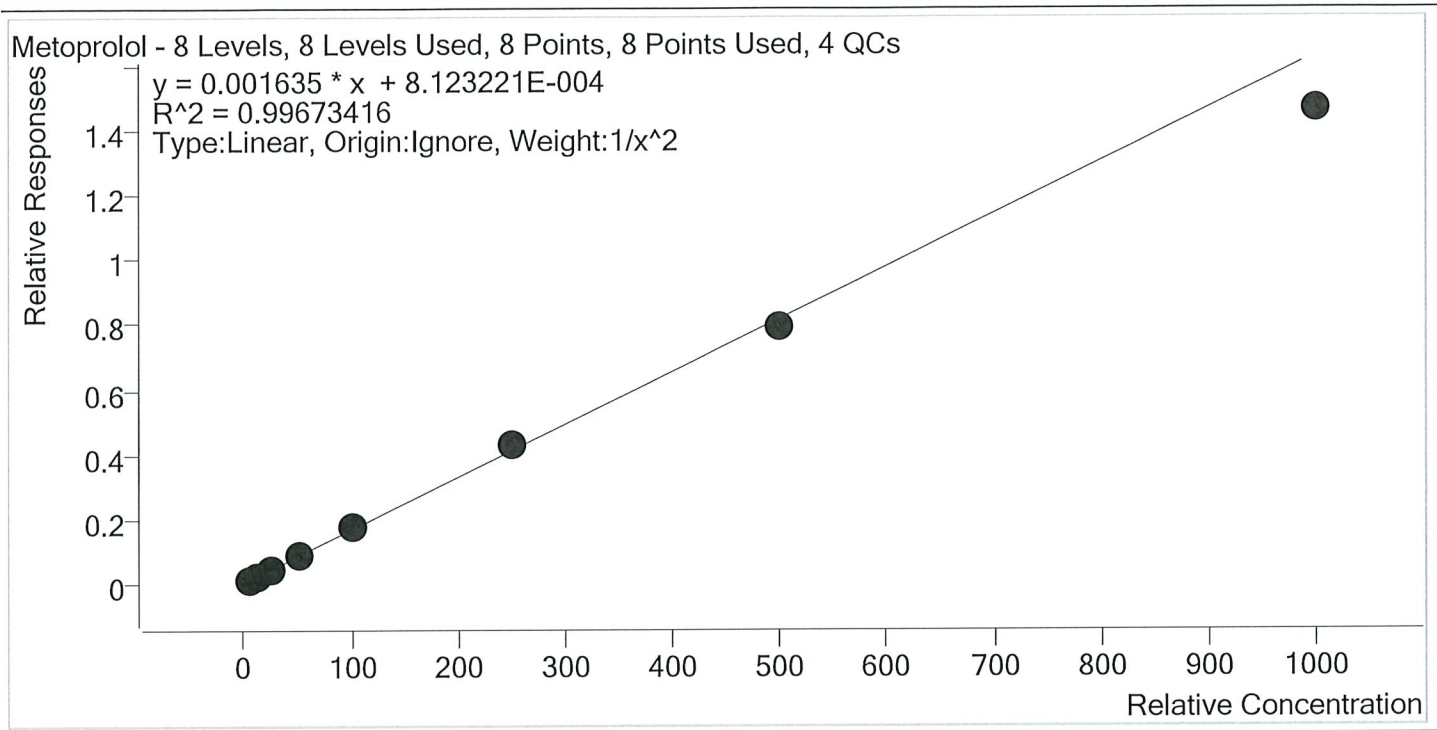


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.8
p1 Cal 2- 10ng	2	✓	10.0	10.4	103.9
p1 Cal 3 -25ng	3	✓	25.0	26.6	106.2
p1 Cal 4-50ng	4	✓	50.0	54.0	107.9
p1 Cal 5-100ng	5	✓	100.0	105.9	105.9
p1 Cal 6-250ng	6	✓	250.0	252.5	101.0
p1 Cal 7-500ng	7	✓	500.0	472.5	94.5
p1 Cal 8-1000ng	8	✓	1000.0	847.9	84.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\060520 AM 27 28 wk1st 4286 4287 TS\QuantResults\AM 28
 TS.batch.bin
Last Cal. Update 6/8/2020 12:26 PM
Analyst Name ISP\Datastor
Analyte Metoprolol **Internal Standard** Tramadol-13C-D3



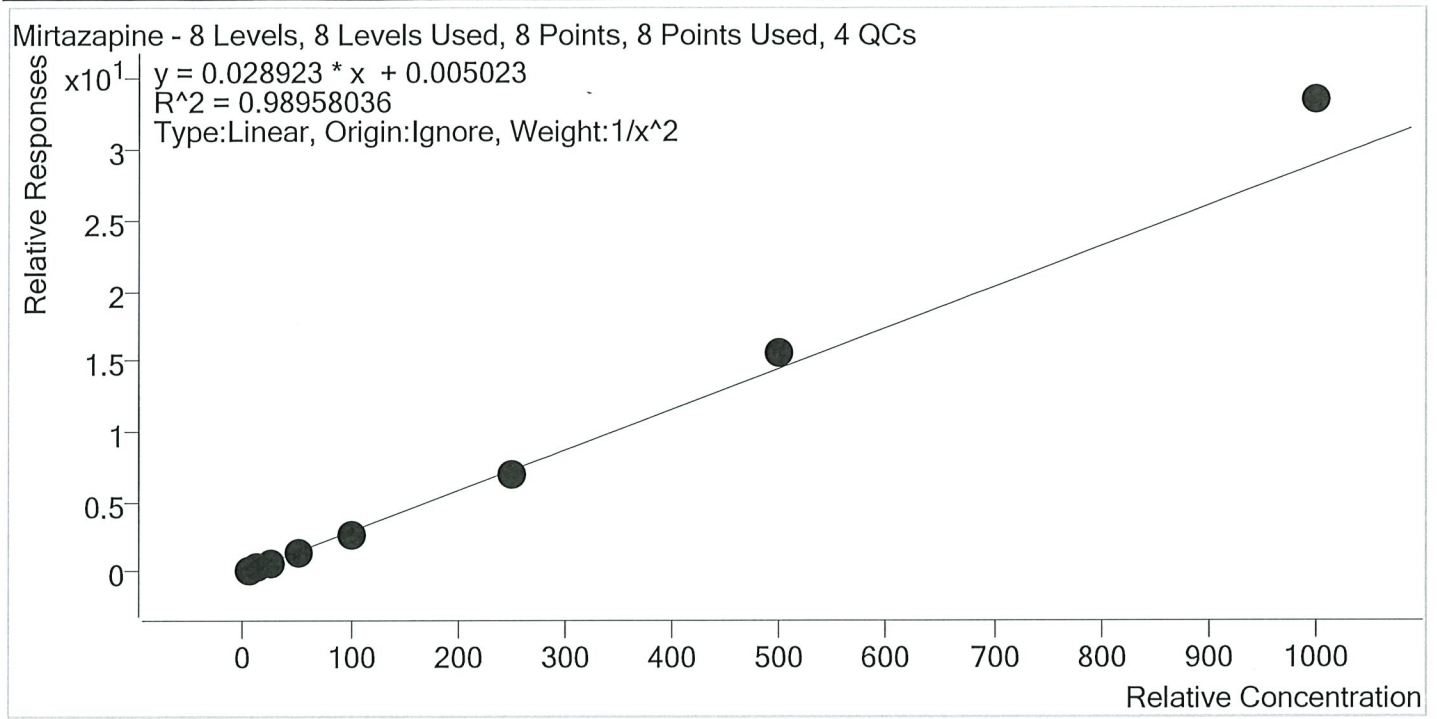
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.6
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.7
p1 Cal 3 -25ng	3	✓	25.0	25.5	101.9
p1 Cal 4-50ng	4	✓	50.0	52.3	104.6
p1 Cal 5-100ng	5	✓	100.0	104.4	104.4
p1 Cal 6-250ng	6	✓	250.0	258.1	103.2
p1 Cal 7-500ng	7	✓	500.0	483.8	96.8
p1 Cal 8-1000ng	8	✓	1000.0	897.6	89.8

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\060520 AM 27 28 wk1st 4286 4287 TS\QuantResults\AM 28
 TS.batch.bin
Last Cal. Update 6/8/2020 12:26 PM
Analyst Name ISP\Datastor
Analyte Mirtazapine **Internal Standard** alpha-PVP-d8



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.6
p1 Cal 2- 10ng	2	✓	10.0	9.7	97.1
p1 Cal 3 -25ng	3	✓	25.0	23.1	92.5
p1 Cal 4-50ng	4	✓	50.0	49.3	98.5
p1 Cal 5-100ng	5	✓	100.0	87.7	87.7
p1 Cal 6-250ng	6	✓	250.0	242.0	96.8
p1 Cal 7-500ng	7	✓	500.0	539.5	107.9
p1 Cal 8-1000ng	8	✓	1000.0	1158.6	115.9

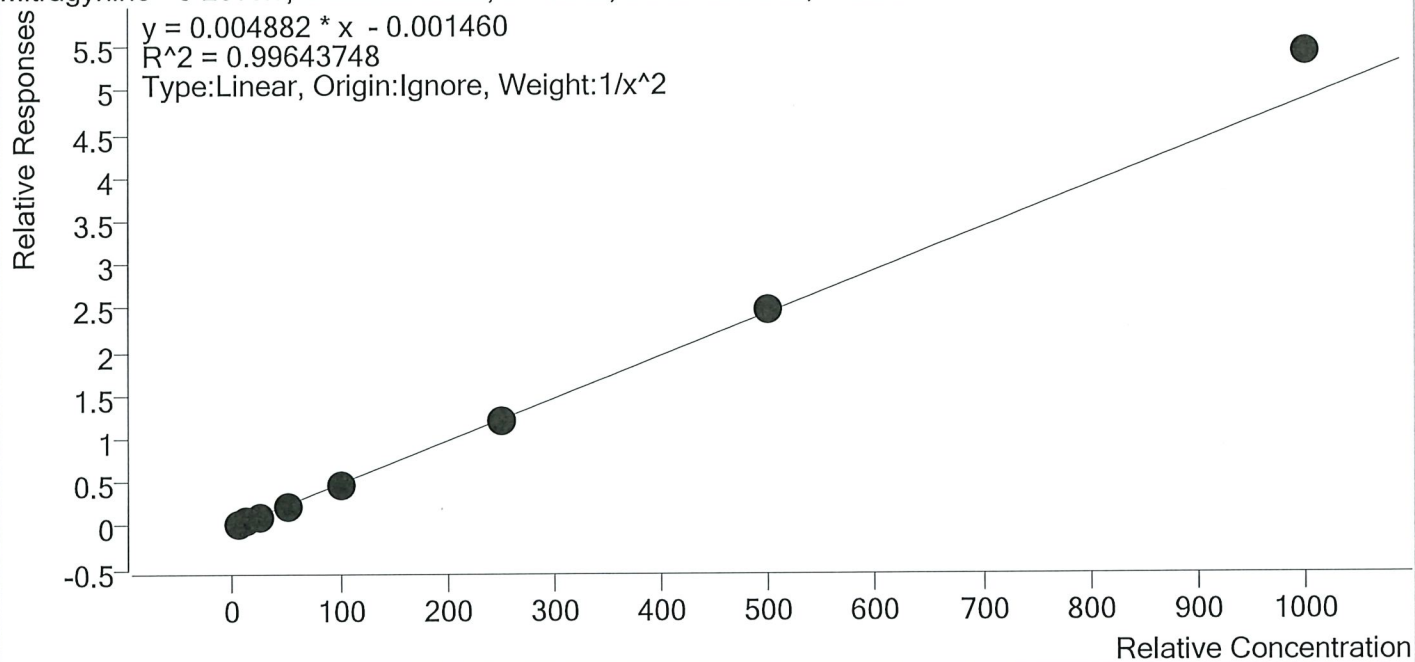
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\060520 AM 27 28 wk1st 4286 4287 TS\QuantResults\AM 28
 TS.batch.bin
Last Cal. Update 6/8/2020 12:26 PM
Analyst Name ISP\Datastor
Analyte Mitragynine **Internal Standard** Methadone-D9

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

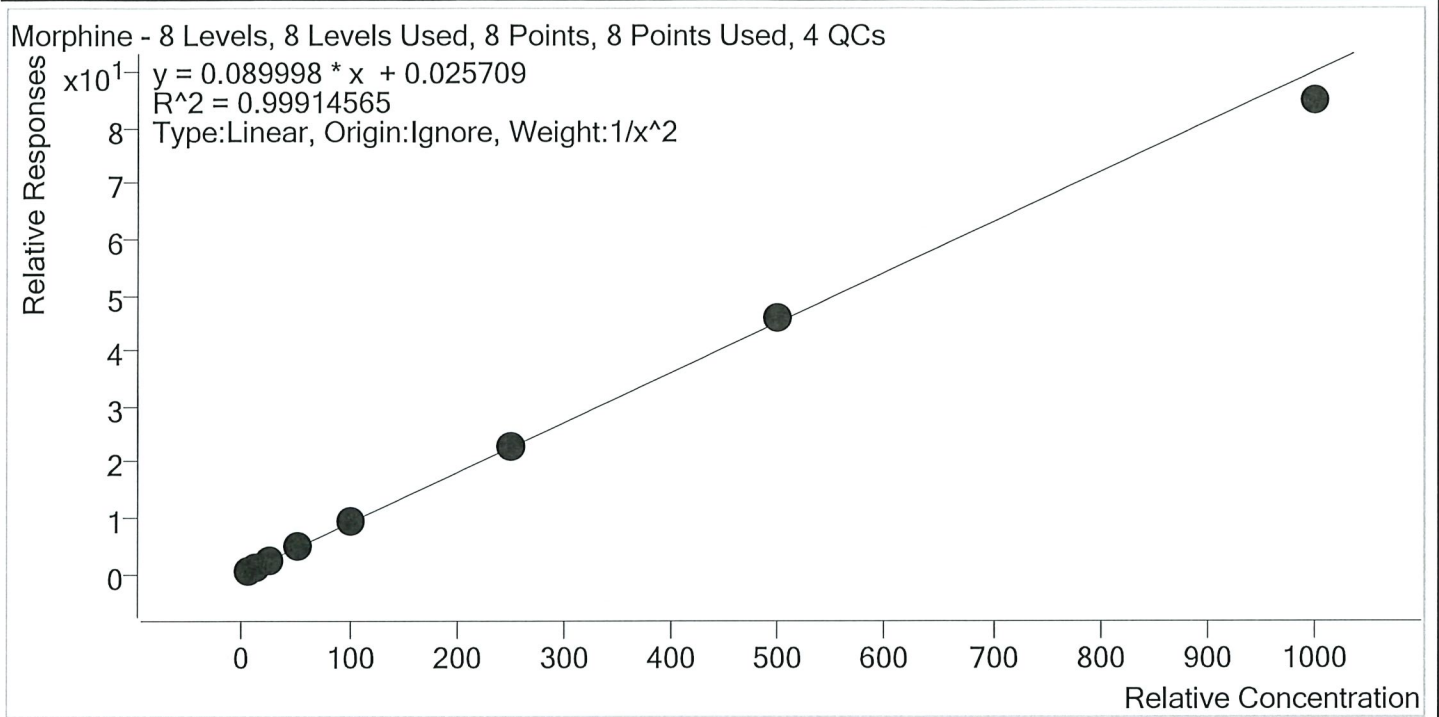


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.9
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.5
p1 Cal 3 -25ng	3	✓	25.0	23.5	94.0
p1 Cal 4-50ng	4	✓	50.0	48.4	96.7
p1 Cal 5-100ng	5	✓	100.0	97.5	97.5
p1 Cal 6-250ng	6	✓	250.0	243.3	97.3
p1 Cal 7-500ng	7	✓	500.0	510.4	102.1
p1 Cal 8-1000ng	8	✓	1000.0	1109.8	111.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\060520 AM 27 28 wk\lst 4286 4287 TS\QuantResults\AM 28
 TS.batch.bin
Last Cal. Update 6/8/2020 12:26 PM
Analyst Name ISP\Datastor
Analyte Morphine **Internal Standard** Morphine-D6



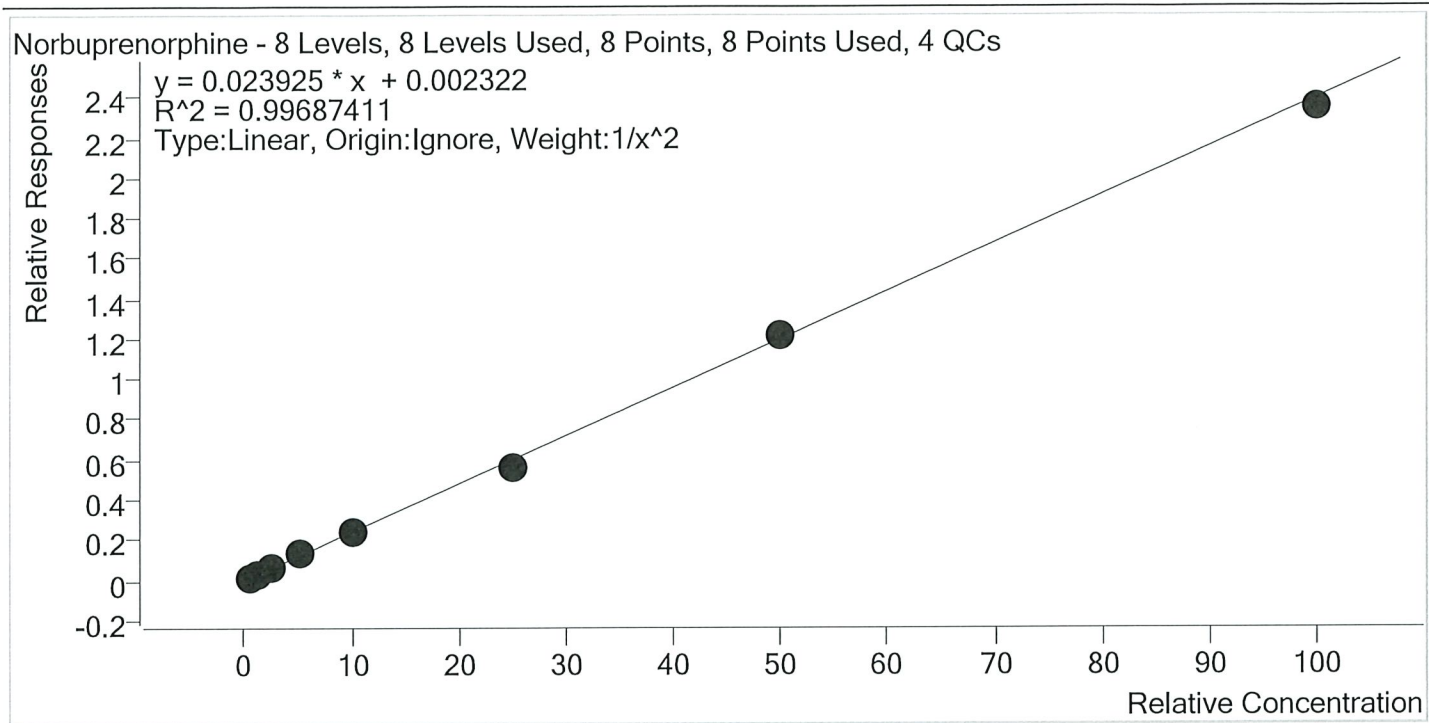
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.9
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.6
p1 Cal 4-50ng	4	✓	50.0	50.8	101.6
p1 Cal 5-100ng	5	✓	100.0	101.6	101.6
p1 Cal 6-250ng	6	✓	250.0	251.9	100.8
p1 Cal 7-500ng	7	✓	500.0	512.2	102.4
p1 Cal 8-1000ng	8	✓	1000.0	942.2	94.2

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\060520 AM 27 28 wk\st 4286 4287 TS\QuantResults\AM 28 TS.batch.bin
Last Cal. Update 6/8/2020 12:26 PM
Analyst Name ISP\Datastor
Analyte Norbuprenorphine **Internal Standard** Norbuprenorphine-D3



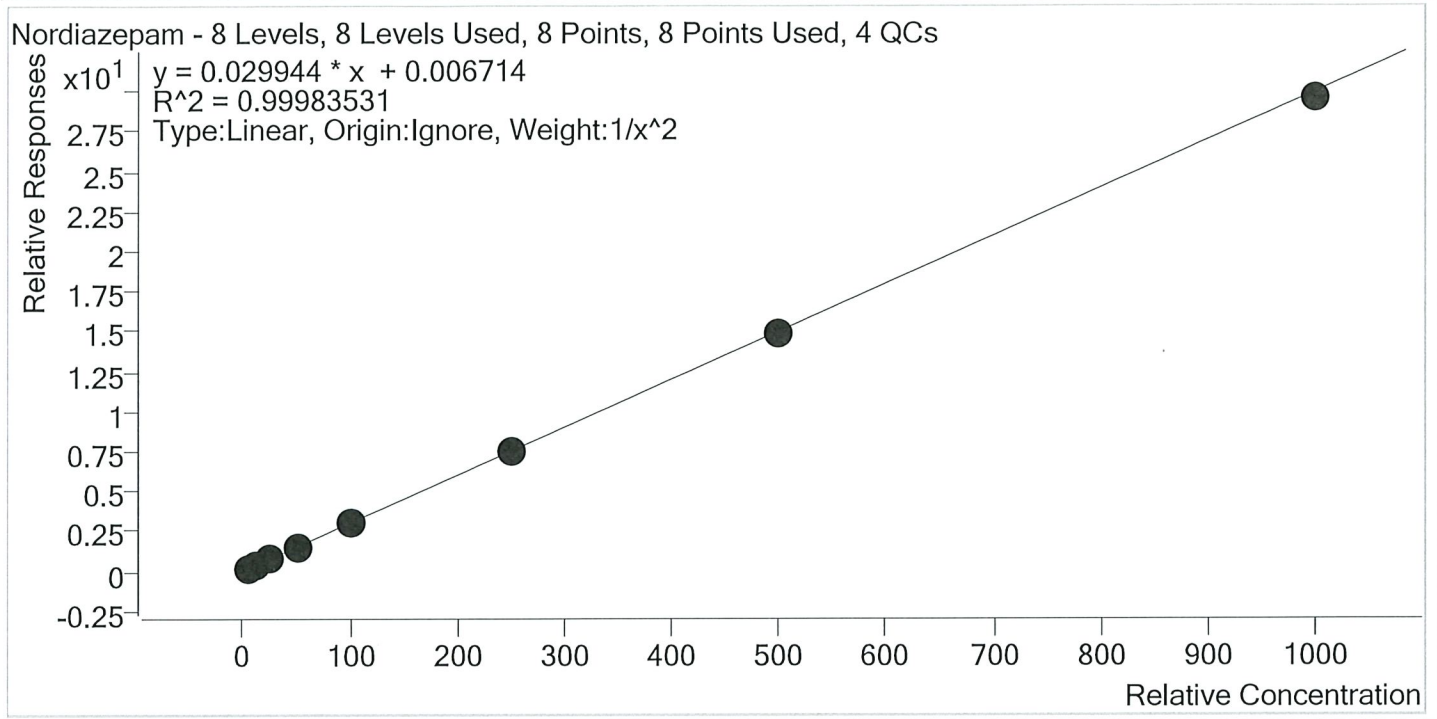
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	96.7
p1 Cal 2- 10ng	2	✓	1.0	1.1	105.8
p1 Cal 3 -25ng	3	✓	2.5	2.5	98.7
p1 Cal 4-50ng	4	✓	5.0	5.4	108.4
p1 Cal 5-100ng	5	✓	10.0	9.8	97.5
p1 Cal 6-250ng	6	✓	25.0	23.5	93.9
p1 Cal 7-500ng	7	✓	50.0	50.4	100.8
p1 Cal 8-1000ng	8	✓	100.0	98.1	98.1

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\060520 AM 27 28 wk1st 4286 4287 TS\QuantResults\AM 28
 TS.batch.bin
Last Cal. Update 6/8/2020 12:26 PM
Analyst Name ISP\Datator
Analyte Nordiazepam **Internal Standard** Nordiazepam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.2
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.5
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.3
p1 Cal 4-50ng	4	✓	50.0	50.8	101.5
p1 Cal 5-100ng	5	✓	100.0	100.7	100.7
p1 Cal 6-250ng	6	✓	250.0	249.5	99.8
p1 Cal 7-500ng	7	✓	500.0	496.4	99.3
p1 Cal 8-1000ng	8	✓	1000.0	986.2	98.6

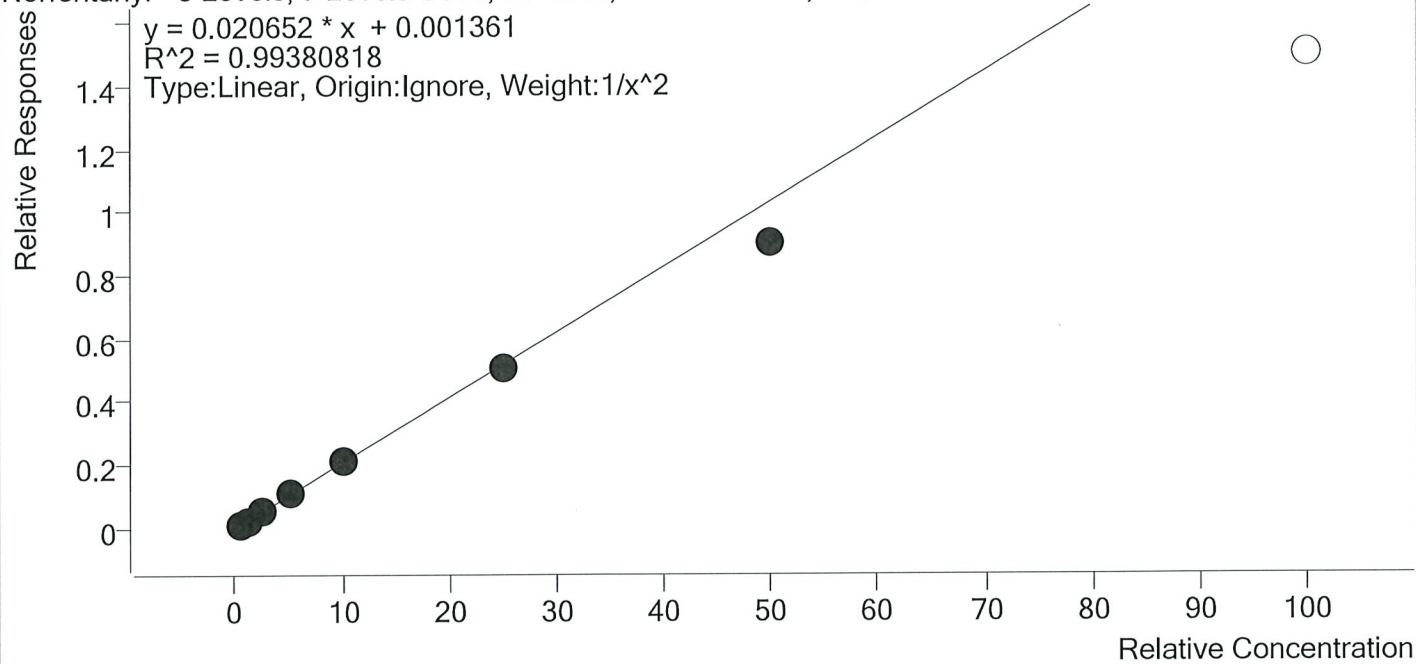
B



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\060520 AM 27 28 wklst 4286 4287 TS\QuantResults\AM 28
 TS.batch.bin
Last Cal. Update 6/8/2020 12:26 PM
Analyst Name ISP\Datastor
Analyte Norfentanyl **Internal Standard** Norfentanyl-D5

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



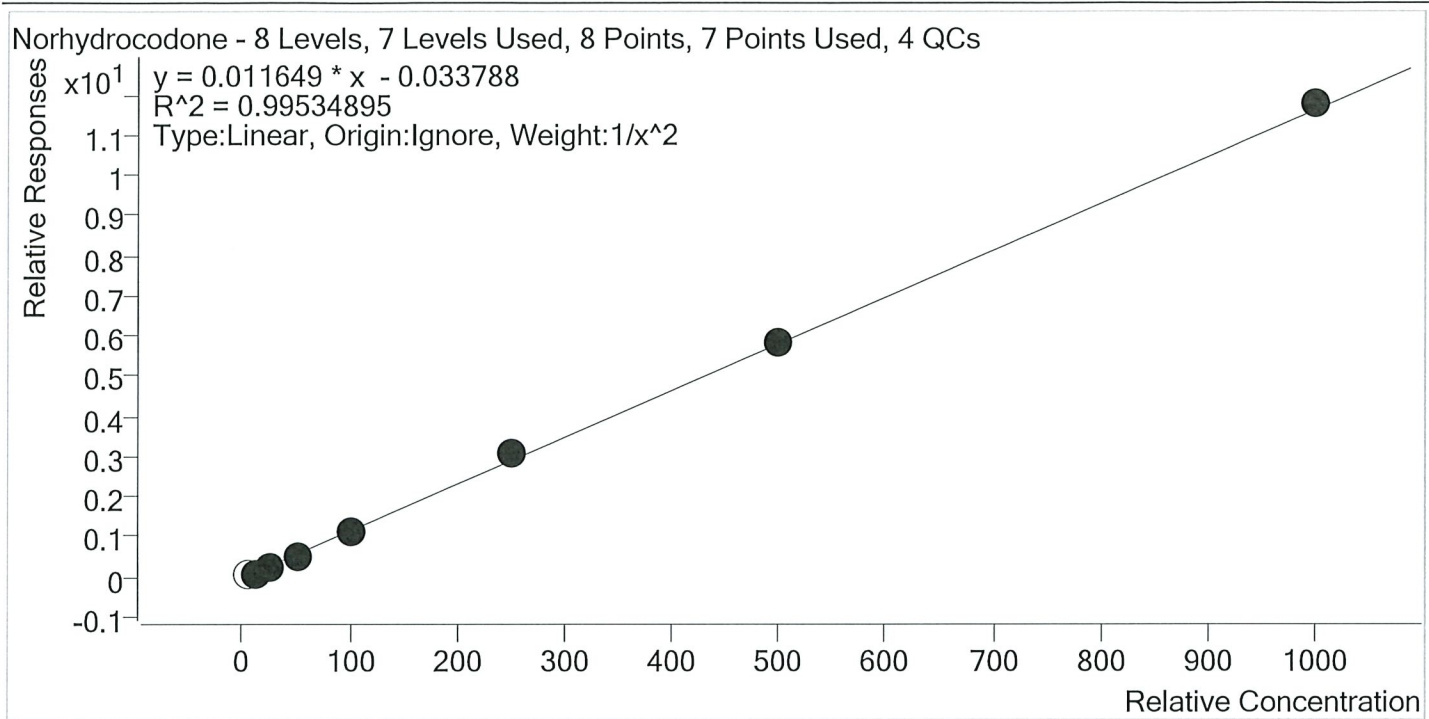
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	97.1
p1 Cal 2- 10ng	2	✓	1.0	1.0	102.5
p1 Cal 3 -25ng	3	✓	2.5	2.6	105.0
p1 Cal 4-50ng	4	✓	5.0	5.3	106.6
p1 Cal 5-100ng	5	✓	10.0	10.3	103.5
p1 Cal 6-250ng	6	✓	25.0	24.6	98.4
p1 Cal 7-500ng	7	✓	50.0	43.5	87.0
p1 Cal 8-1000ng	8	×	100.0	72.6	72.6

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\060520 AM 27 28 wk\st 4286 4287 TS\QuantResults\AM 28
 TS.batch.bin
Last Cal. Update 6/8/2020 12:26 PM
Analyst Name ISP\Datastor
Analyte Norhydrocodone **Internal Standard** Norhydrocodone-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	×	5.0	8.2	164.7
p1 Cal 2- 10ng	2	✓	10.0	10.5	104.6
p1 Cal 3 -25ng	3	✓	25.0	22.3	89.4
p1 Cal 4-50ng	4	✓	50.0	48.7	97.4
p1 Cal 5-100ng	5	✓	100.0	98.4	98.4
p1 Cal 6-250ng	6	✓	250.0	269.2	107.7
p1 Cal 7-500ng	7	✓	500.0	506.4	101.3
p1 Cal 8-1000ng	8	✓	1000.0	1013.6	101.4

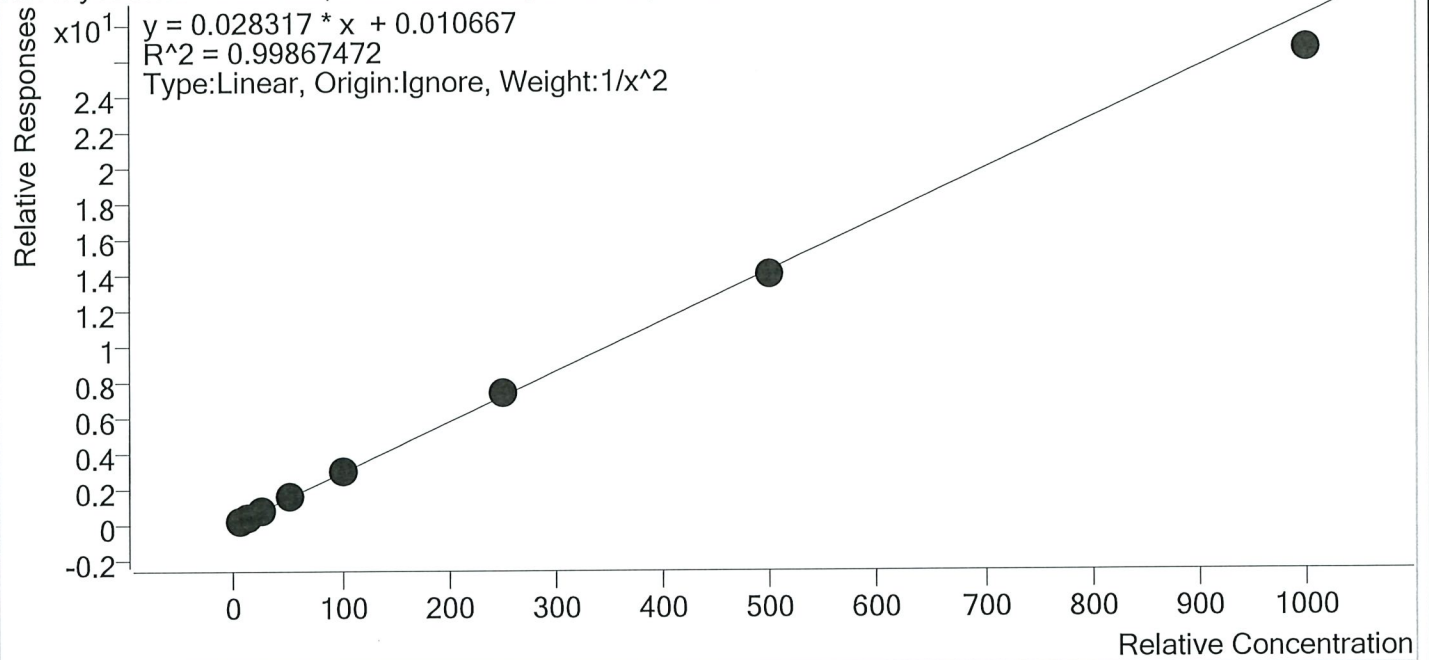
13



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\060520 AM 27 28 wk\lst 4286 4287 TS\QuantResults\AM 28
 TS.batch.bin
Last Cal. Update 6/8/2020 12:26 PM
Analyst Name ISP\Datastor
Analyte Noroxycodone **Internal Standard** Noroxycodone-D3

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



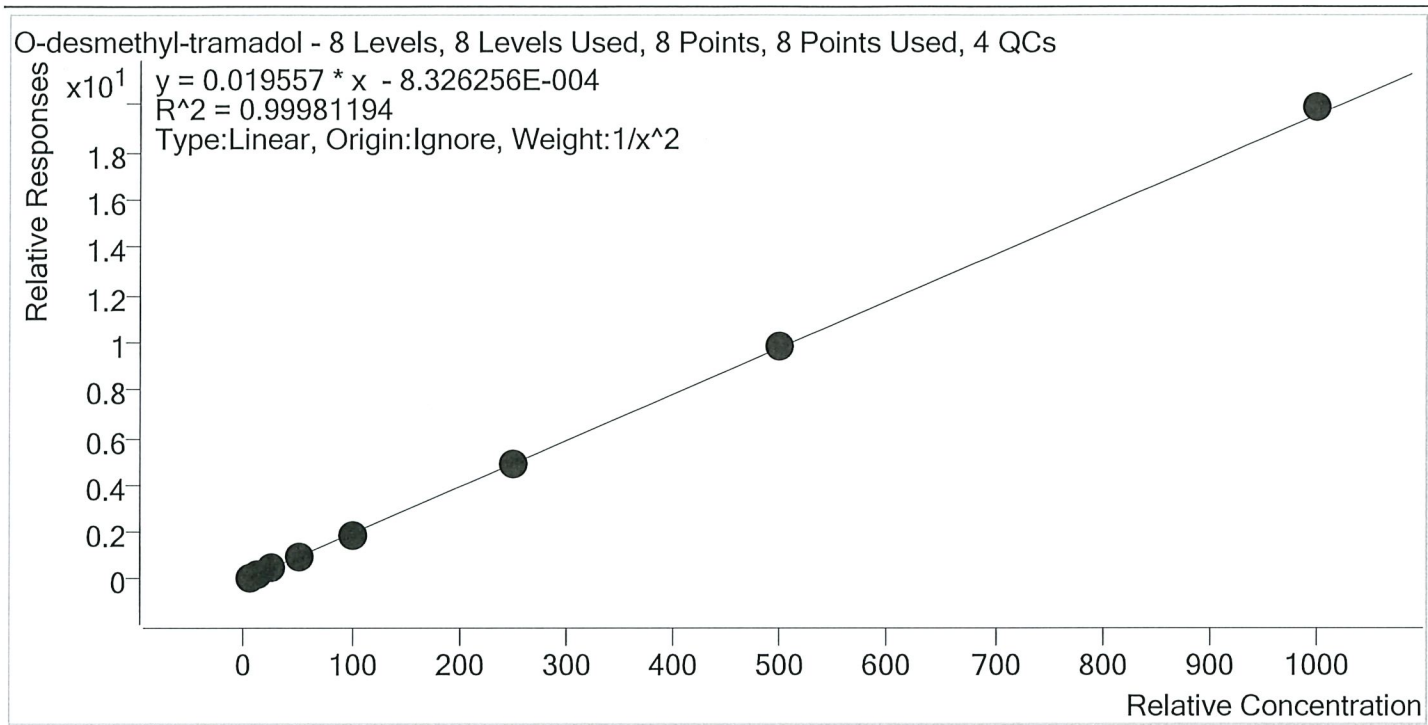
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.3
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.9
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.3
p1 Cal 4-50ng	4	✓	50.0	51.3	102.6
p1 Cal 5-100ng	5	✓	100.0	101.4	101.4
p1 Cal 6-250ng	6	✓	250.0	254.5	101.8
p1 Cal 7-500ng	7	✓	500.0	491.0	98.2
p1 Cal 8-1000ng	8	✓	1000.0	934.8	93.5

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\060520 AM 27 28 wk\lst 4286 4287 TS\QuantResults\AM 28
 TS.batch.bin
Last Cal. Update 6/8/2020 12:26 PM
Analyst Name ISP\Datastor
Analyte O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6



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	9.9	99.4
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.0
p1 Cal 4-50ng	4	✓	50.0	49.6	99.3
p1 Cal 5-100ng	5	✓	100.0	99.5	99.5
p1 Cal 6-250ng	6	✓	250.0	250.4	100.2
p1 Cal 7-500ng	7	✓	500.0	506.3	101.3
p1 Cal 8-1000ng	8	✓	1000.0	1016.3	101.6

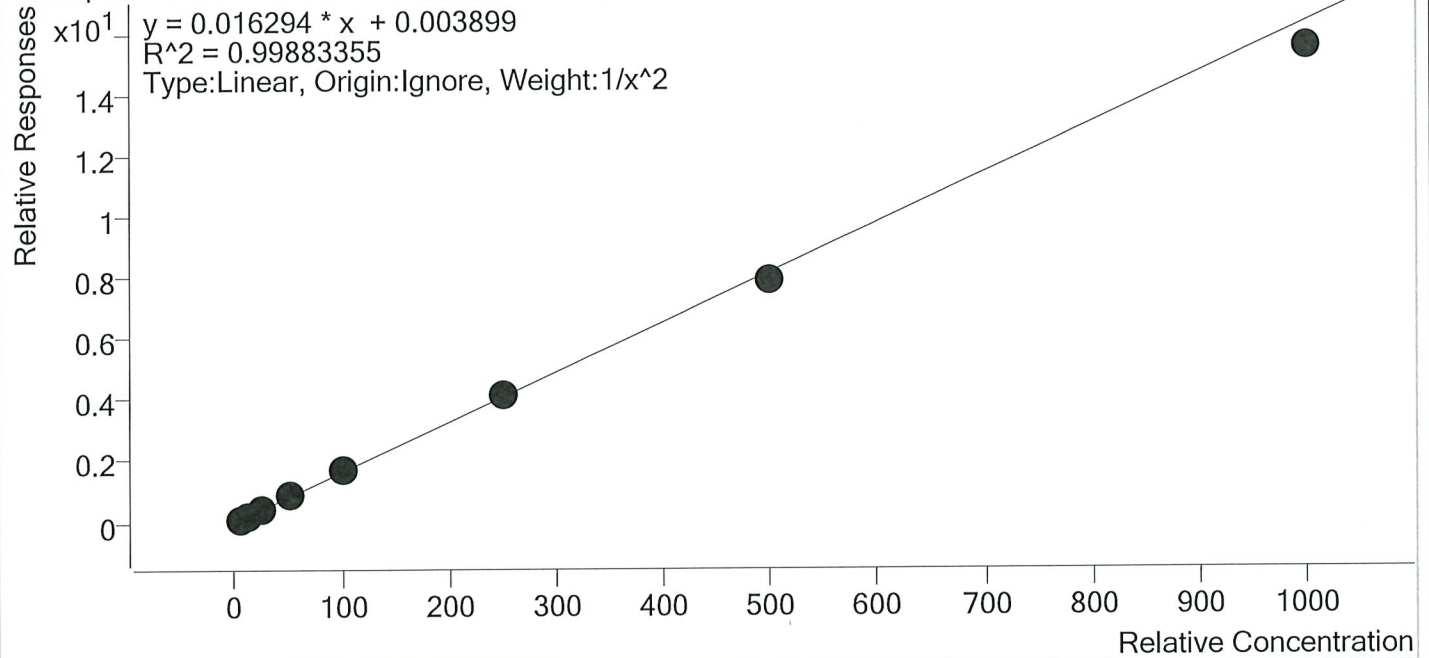
TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\060520 AM 27 28 wk\lst 4286 4287 TS\QuantResults\AM 28
 TS.batch.bin
Last Cal. Update 6/8/2020 12:26 PM
Analyst Name ISP\Datastor
Analyte Oxazepam **Internal Standard** Oxazepam-D5

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



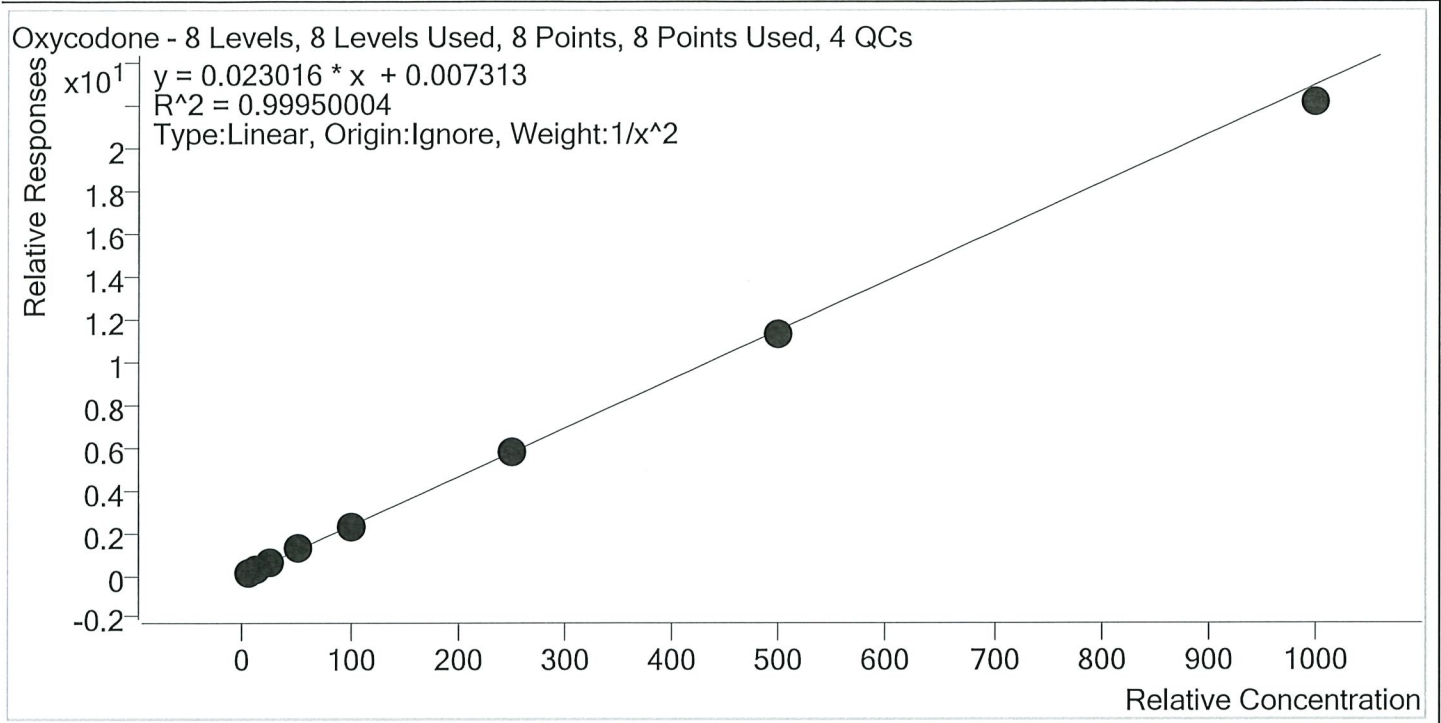
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.2
p1 Cal 2- 10ng	2	✓	10.0	9.8	98.0
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.1
p1 Cal 4-50ng	4	✓	50.0	51.1	102.1
p1 Cal 5-100ng	5	✓	100.0	103.8	103.8
p1 Cal 6-250ng	6	✓	250.0	253.5	101.4
p1 Cal 7-500ng	7	✓	500.0	487.3	97.5
p1 Cal 8-1000ng	8	✓	1000.0	949.3	94.9

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\060520 AM 27 28 wk1st 4286 4287 TS\QuantResults\AM 28
 TS.batch.bin
Last Cal. Update 6/8/2020 12:26 PM
Analyst Name ISP\Datastor
Analyte Oxycodone **Internal Standard** Oxycodone-D6



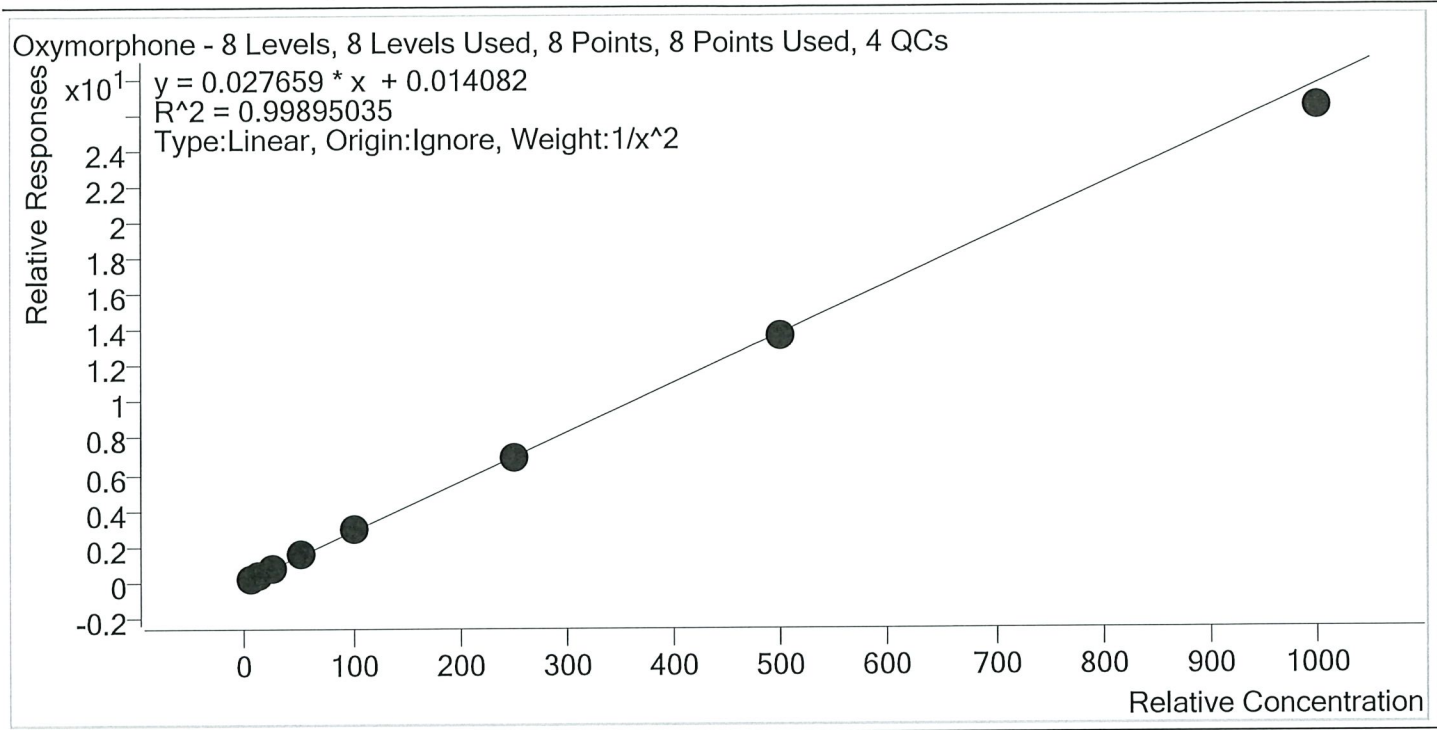
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.6
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.6
p1 Cal 4-50ng	4	✓	50.0	51.2	102.5
p1 Cal 5-100ng	5	✓	100.0	101.0	101.0
p1 Cal 6-250ng	6	✓	250.0	254.1	101.6
p1 Cal 7-500ng	7	✓	500.0	491.1	98.2
p1 Cal 8-1000ng	8	✓	1000.0	964.3	96.4

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\060520 AM 27 28 wk\lst 4286 4287 TS\QuantResults\AM 28 TS.batch.bin
Last Cal. Update 6/8/2020 12:26 PM
Analyst Name ISP\Datastor
Analyte Oxymorphone **Internal Standard** Oxymorphone-D3



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	10.4	103.9
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.2
p1 Cal 4-50ng	4	✓	50.0	51.3	102.6
p1 Cal 5-100ng	5	✓	100.0	101.9	101.9
p1 Cal 6-250ng	6	✓	250.0	252.0	100.8
p1 Cal 7-500ng	7	✓	500.0	491.1	98.2
p1 Cal 8-1000ng	8	✓	1000.0	954.7	95.5

TS



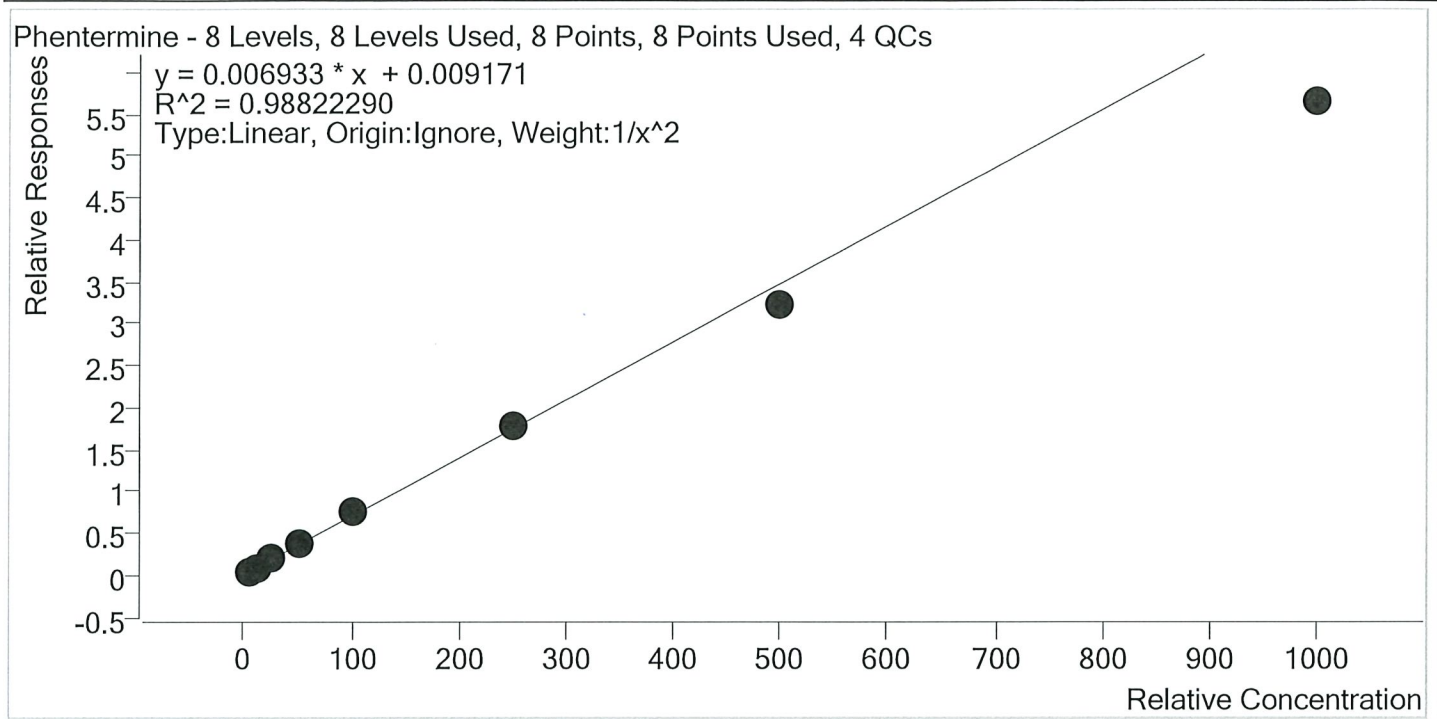
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\060520 AM 27 28 wk1st 4286 4287 TS\QuantResults\AM 28
TS.batch.bin

Last Cal. Update 6/8/2020 12:26 PM

Analyst Name ISP\Datastor

Analyte Phentermine **Internal Standard** Phentermine-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.0
p1 Cal 2- 10ng	2	✓	10.0	10.3	102.9
p1 Cal 3 -25ng	3	✓	25.0	26.7	106.6
p1 Cal 4-50ng	4	✓	50.0	55.1	110.2
p1 Cal 5-100ng	5	✓	100.0	107.4	107.4
p1 Cal 6-250ng	6	✓	250.0	256.4	102.6
p1 Cal 7-500ng	7	✓	500.0	465.3	93.1
p1 Cal 8-1000ng	8	✓	1000.0	813.6	81.4

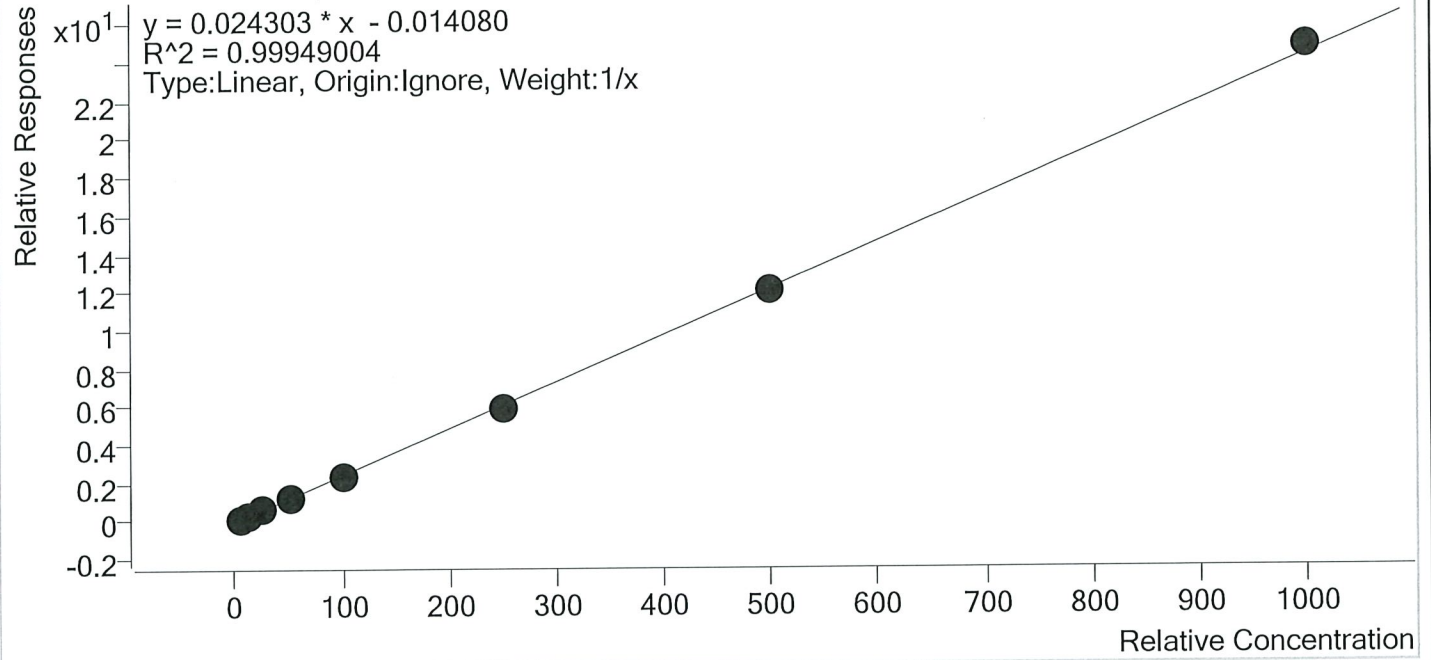
TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\060520 AM 27 28 wk1st 4286 4287 TS\QuantResults\AM 28
 TS.batch.bin
 Last Cal. Update 6/8/2020 12:26 PM
 Analyst Name ISP\Datastor
 Analyte Promethazine Internal Standard Promethazine-D3

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

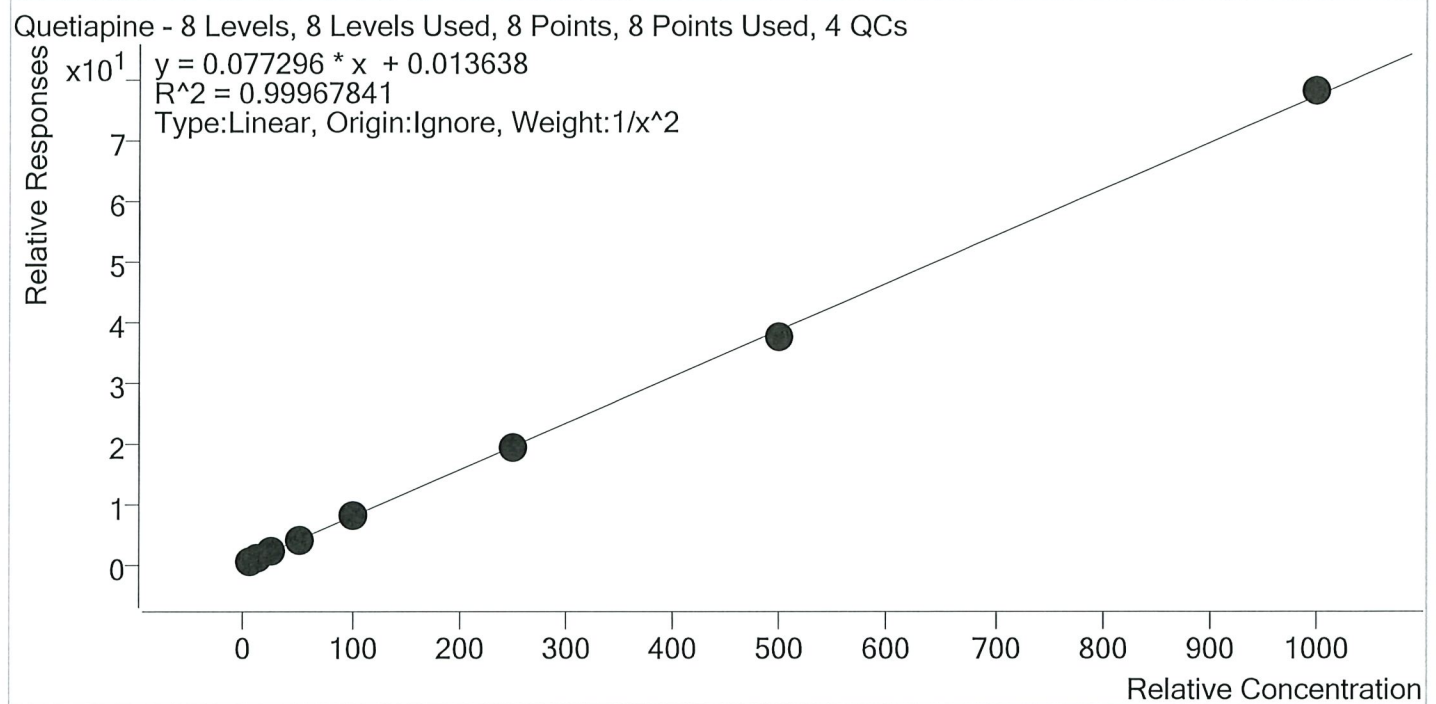


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.6	111.2
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.9
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.0
p1 Cal 4-50ng	4	✓	50.0	47.5	94.9
p1 Cal 5-100ng	5	✓	100.0	95.5	95.5
p1 Cal 6-250ng	6	✓	250.0	244.4	97.7
p1 Cal 7-500ng	7	✓	500.0	494.7	98.9
p1 Cal 8-1000ng	8	✓	1000.0	1017.7	101.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\060520 AM 27 28 wk1st 4286 4287 TS\QuantResults\AM 28
 TS.batch.bin
Last Cal. Update 6/8/2020 12:26 PM
Analyst Name ISP\Datator
Analyte Quetiapine **Internal Standard** Quetiapine-D8



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.9
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.1
p1 Cal 3 -25ng	3	✓	25.0	25.5	101.9
p1 Cal 4-50ng	4	✓	50.0	51.0	102.0
p1 Cal 5-100ng	5	✓	100.0	99.3	99.3
p1 Cal 6-250ng	6	✓	250.0	248.1	99.2
p1 Cal 7-500ng	7	✓	500.0	487.3	97.5
p1 Cal 8-1000ng	8	✓	1000.0	1010.1	101.0

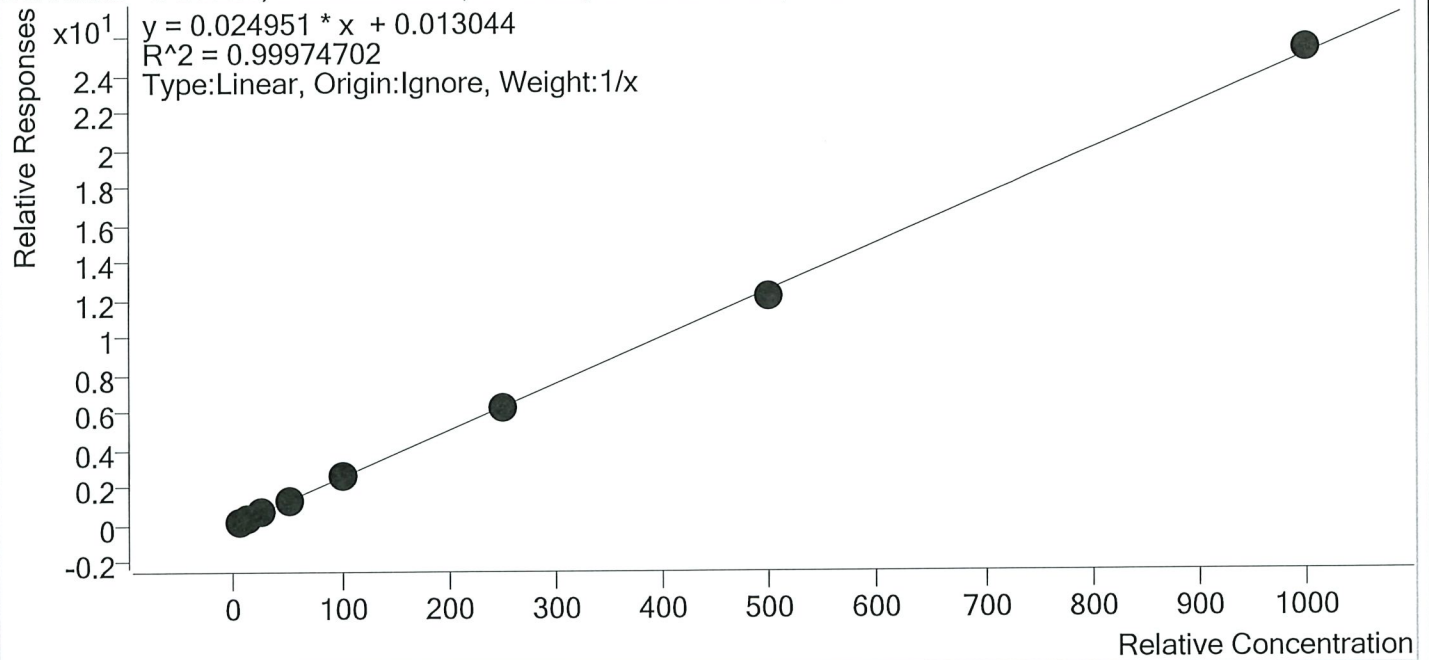
TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\060520 AM 27 28 wk\lst 4286 4287 TS\QuantResults\AM 28
 TS.batch.bin
Last Cal. Update 6/8/2020 12:26 PM
Analyst Name ISP\Datastor
Analyte Sertraline **Internal Standard** Sertraline-D3

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

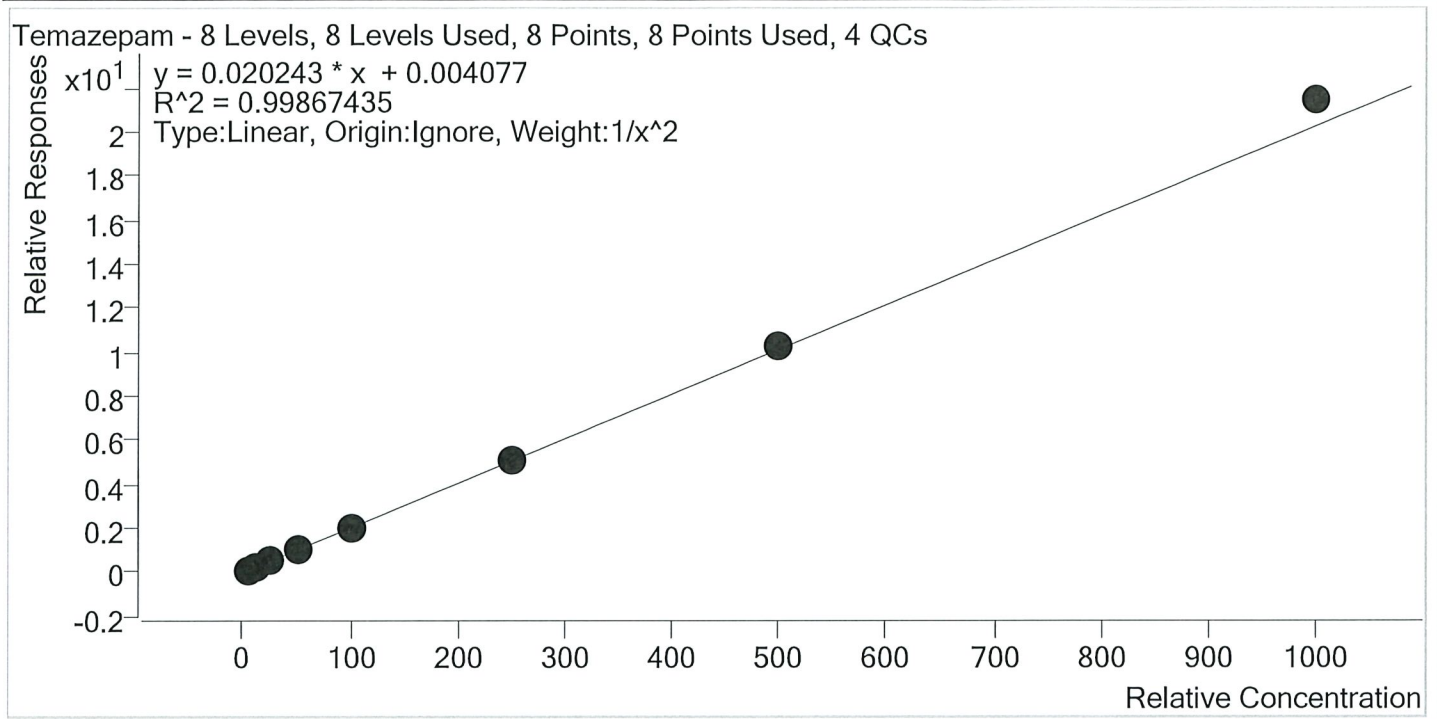


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.2
p1 Cal 2- 10ng	2	✓	10.0	10.3	102.7
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.7
p1 Cal 4-50ng	4	✓	50.0	50.9	101.8
p1 Cal 5-100ng	5	✓	100.0	99.6	99.6
p1 Cal 6-250ng	6	✓	250.0	247.1	98.8
p1 Cal 7-500ng	7	✓	500.0	489.8	98.0
p1 Cal 8-1000ng	8	✓	1000.0	1012.9	101.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\060520 AM 27 28 wk1st 4286 4287 TS\QuantResults\AM 28
 TS.batch.bin
Last Cal. Update 6/8/2020 12:26 PM
Analyst Name ISP\Datastor
Analyte Temazepam **Internal Standard** Temazepam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.4
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.3
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.2
p1 Cal 4-50ng	4	✓	50.0	49.3	98.7
p1 Cal 5-100ng	5	✓	100.0	96.3	96.3
p1 Cal 6-250ng	6	✓	250.0	251.0	100.4
p1 Cal 7-500ng	7	✓	500.0	509.5	101.9
p1 Cal 8-1000ng	8	✓	1000.0	1058.4	105.8

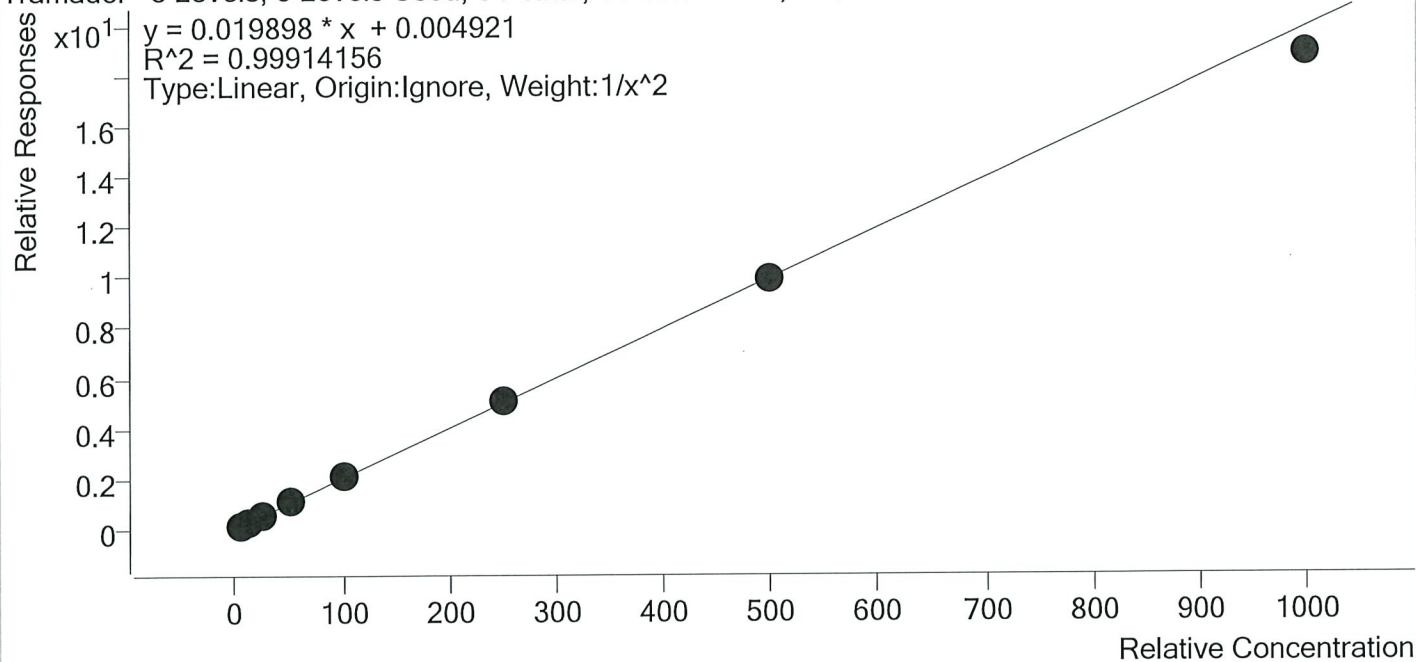
TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\060520 AM 27 28 wk1st 4286 4287 TS\QuantResults\AM 28
 TS.batch.bin
Last Cal. Update 6/8/2020 12:26 PM
Analyst Name ISP\Datastor
Analyte Tramadol **Internal Standard** Tramadol-13C-D3

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



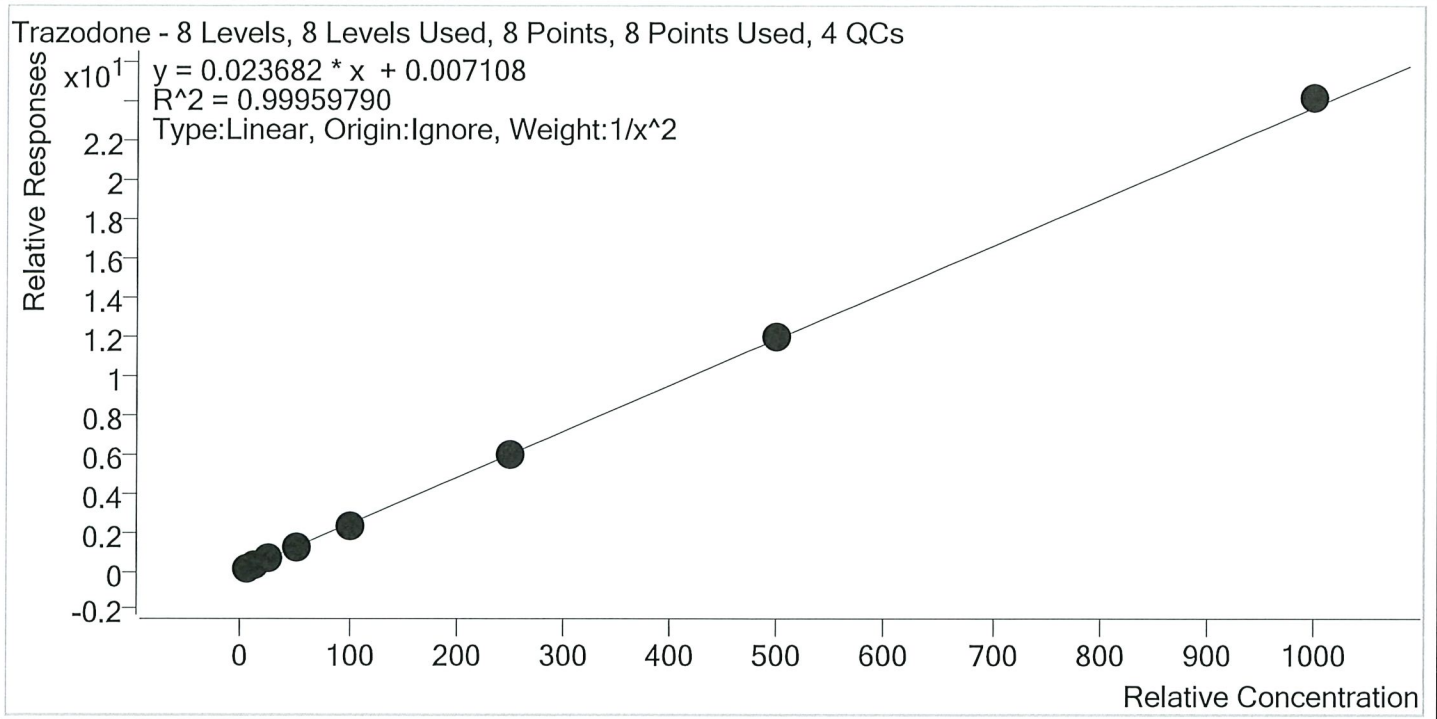
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.4
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.0
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.8
p1 Cal 4-50ng	4	✓	50.0	50.6	101.2
p1 Cal 5-100ng	5	✓	100.0	102.7	102.7
p1 Cal 6-250ng	6	✓	250.0	256.9	102.8
p1 Cal 7-500ng	7	✓	500.0	496.1	99.2
p1 Cal 8-1000ng	8	✓	1000.0	949.1	94.9

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\060520 AM 27 28 wk\st 4286 4287 TS\QuantResults\AM 28
 TS.batch.bin
 Last Cal. Update 6/8/2020 12:26 PM
 Analyst Name ISP\Datastor
 Analyte Trazodone Internal Standard Trazodone-D6



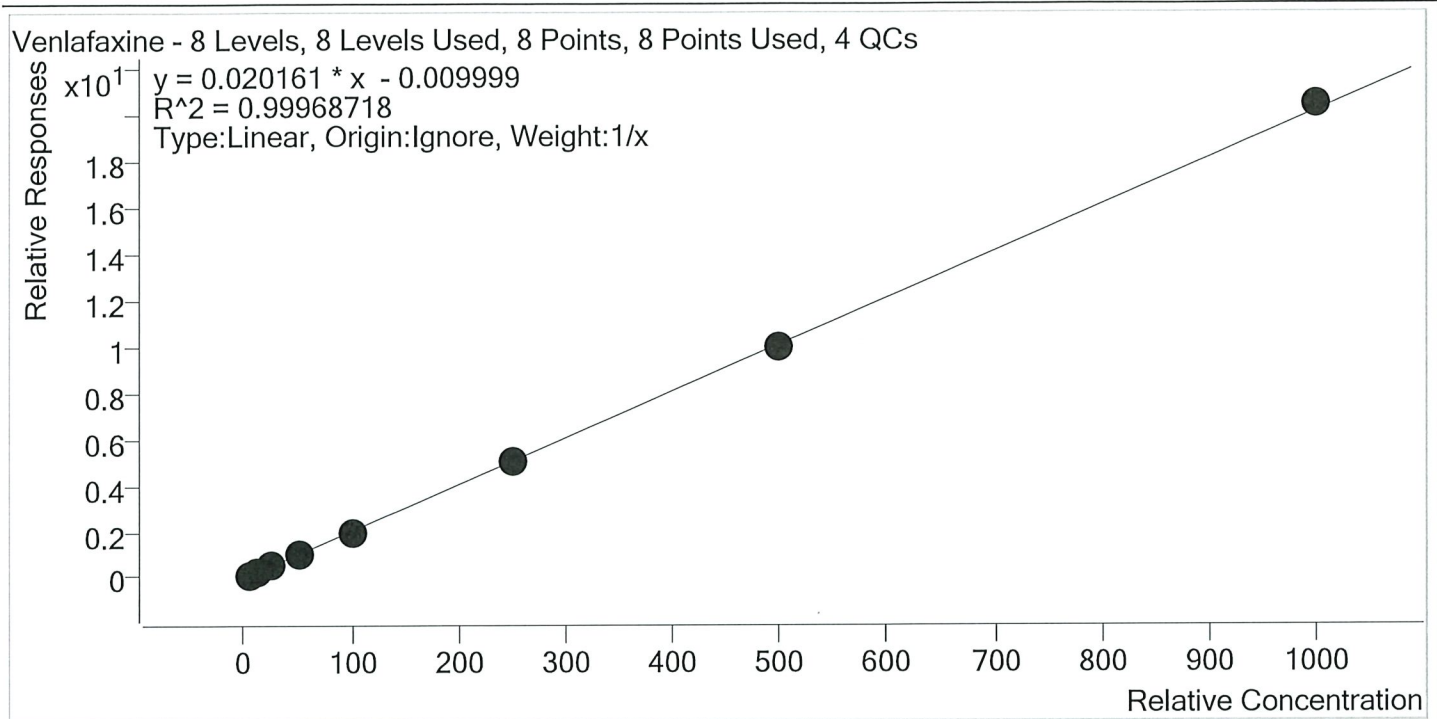
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.8
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.5
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.6
p1 Cal 4-50ng	4	✓	50.0	50.4	100.9
p1 Cal 5-100ng	5	✓	100.0	97.9	97.9
p1 Cal 6-250ng	6	✓	250.0	247.1	98.8
p1 Cal 7-500ng	7	✓	500.0	508.0	101.6
p1 Cal 8-1000ng	8	✓	1000.0	1019.5	102.0

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\060520 AM 27 28 wk1st 4286 4287 TS\QuantResults\AM 28 TS.batch.bin
Last Cal. Update 6/8/2020 12:26 PM
Analyst Name ISP\Datastor
Analyte Venlafaxine **Internal Standard** Venlafaxine-D6



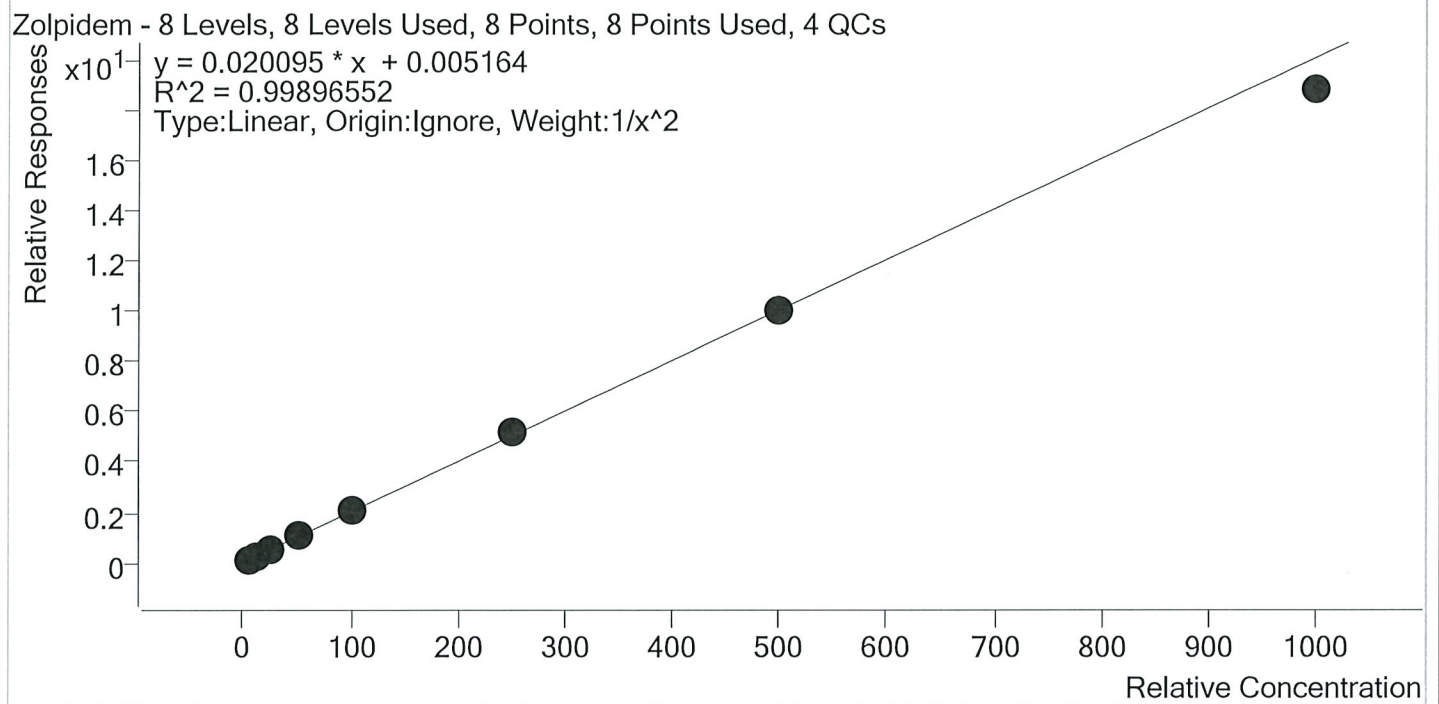
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.5	109.5
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.0
p1 Cal 4-50ng	4	✓	50.0	48.8	97.7
p1 Cal 5-100ng	5	✓	100.0	95.6	95.6
p1 Cal 6-250ng	6	✓	250.0	247.5	99.0
p1 Cal 7-500ng	7	✓	500.0	494.2	98.8
p1 Cal 8-1000ng	8	✓	1000.0	1013.8	101.4

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\060520 AM 27 28 wk\lst 4286 4287 TS\QuantResults\AM 28
 TS.batch.bin
Last Cal. Update 6/8/2020 12:26 PM
Analyst Name ISP\Datastor
Analyte Zolpidem **Internal Standard** Zolpidem-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.2
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.8
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.5
p1 Cal 4-50ng	4	✓	50.0	51.1	102.2
p1 Cal 5-100ng	5	✓	100.0	101.2	101.2
p1 Cal 6-250ng	6	✓	250.0	256.2	102.5
p1 Cal 7-500ng	7	✓	500.0	499.8	100.0
p1 Cal 8-1000ng	8	✓	1000.0	936.3	93.6

15

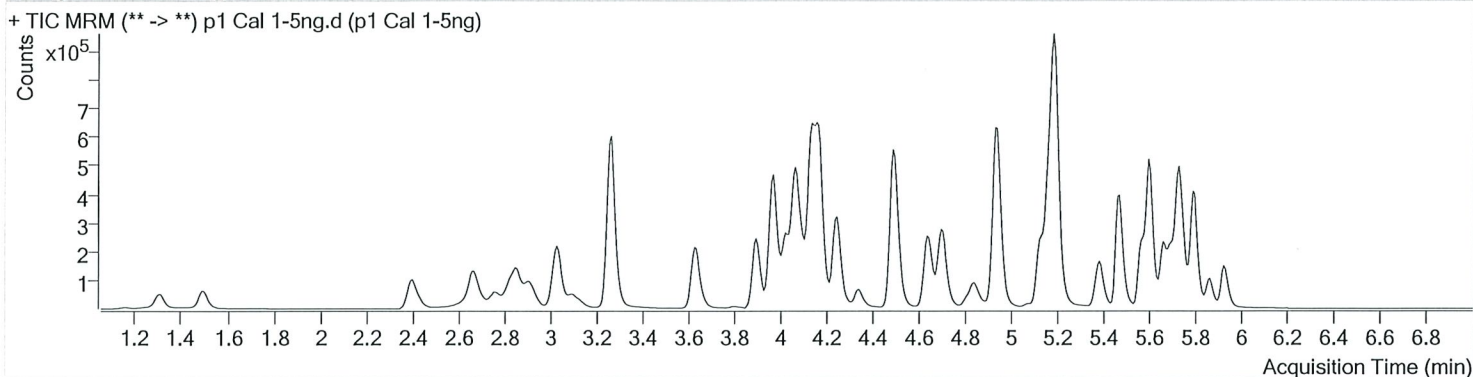


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\AM 27-28\060520 AM 27 28 wkst 4286 4287 TS\QuantResults\AM 28 TS.batch.bin
Calibration Last Update 6/8/2020 12:26:08 PM

Instrument	Falco	Data File	p1 Cal 1-5ng.d
Type	Cal	Sample	p1 Cal 1-5ng
Acq. Method	MDQ P1 060520.m	Operator	Tamara Salazar
Sample Position	P1-A1	Comment	
Injection Volume	2		
Acq. Date-Time	6/5/2020 9:13:19 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.029	1071	28394.83	77.4	∞	41369	0.4989 ng/ml
7-aminoclonazepam	3.996	28838	651.45	84.4	1668.75	204238	4.7770 ng/ml
a-hydroxyalprazolam	5.673	11306	172.35	63.3	171.86	46426	4.9022 ng/ml
alpha-PVP	4.251	78448	716.00	52.8	1166.00	644817	5.2860 ng/ml
Alprazolam	5.750	34849	∞	107.2	261.87	205053	5.4866 ng/ml
Amphetamine	2.914	140626	2694.32	49.9	2786.72	239441	4.7321 ng/ml
Benzoylcegonine	3.828	2172	155.67	8.0	11.76	15153	5.1521 ng/ml
Buprenorphine	5.400	2224	44.77	15.9	24.17	187783	0.4901 ng/ml
Bupropion	4.655	93928	1374.09	59.4	210.49	562445	5.0032 ng/ml
Carisoprodol	5.705	36016	69211.42	51.1	110.67	319546	4.9168 ng/ml
Citalopram	5.131	59857	279.18	41.5	331.25	490793	5.1222 ng/ml
Clonazepam	5.586	52881	2061.45	32.5	140289.04	111596	5.0228 ng/ml
Cocaine	4.171	73664	1523.07	43.8	397.46	1026008	5.1736 ng/ml
Codeine	2.436	8336	274.64	103.0	456.97	72212	4.7486 ng/ml
Cyclobenzaprine	5.569	44981	11626.04	9.9	∞	330839	5.0380 ng/ml
Dextromethorphan	5.168	35773	405.01	79.9	1037.50	313343	5.0048 ng/ml
Dextrorphan	4.026	20076	849557.72	210.0	1795.53	492964	5.2116 ng/ml
Diazepam	5.935	27911	306.38	87.2	322.57	259652	5.0027 ng/ml
Dihydrocodeine	2.427	20958	∞	65.1	606.25	208510	4.7857 ng/ml
Diphenhydramine	5.196	147310	4311.65	31.5	291.97	1829333	5.2149 ng/ml
Doxylamine	4.099	159247	4663.44	97.6	4705.21	1242858	4.1283 ng/ml
EDDP	5.167	50945	2318.73	42.3	886.62	522695	5.0334 ng/ml
Fentanyl	4.948	4663	128.43	67.0	178.18	391574	0.4829 ng/ml
Fluoxetine	5.668	49345	400.93	9.2	6829.36	345735	4.8743 ng/ml
Hydrocodone	2.883	25277	555.32	42.4	∞	311311	4.8103 ng/ml
Hydromorphone	1.500	21685	3589.76	73.9	1926.67	129412	4.7252 ng/ml
Ketamine	3.912	64735	884.80	38.4	324.28	545347	4.7170 ng/ml
Lamotrigine	4.141	5132	449.11	75.3	∞	545347	4.6808 ng/ml
Lorazepam	5.727	42718	872.25	56.0	219.93	111596	4.0257 ng/ml
Meprobamate	4.865	17943	2131.98	27.9	326.39	195731	4.8995 ng/ml
Methadone	5.607	95748	2027.98	53.7	1170.49	839019	5.1928 ng/ml
Methamphetamine	3.101	75451	579.97	42.0	309.56	592870	4.7922 ng/ml
Metoprolol	4.241	12152	5595.59	96.9	582.40	1369098	4.9308 ng/ml

TS



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.342	99857	1208.88	49.5	2678.33	644817	5.1805 ng/ml
Mitragynine	5.075	19638	1276.65	39.7	22988.53	839019	5.0934 ng/ml
Morphine	1.160	3289	661.91	24.6	69.44	6922	4.9935 ng/ml
Norbuprenorphine	4.892	314	369.34	98.8	15.72	22623	0.4837 ng/ml
Nordiazepam	5.874	26172	927.22	58.0	637.35	168600	4.9597 ng/ml
Norfentanyl	3.994	11038	1166.27	37.5	517.72	969404	0.4854 ng/ml
Norhydrocodone	2.959	3155	63.18	36.1	171.33	50776	8.2337 ng/ml
Noroxycodone	2.783	24480	418.77	46.9	14.71	163440	4.9126 ng/ml
O-desmethyl-tramadol	3.275	138858	1851.23	6.0	246.01	1421242	5.0383 ng/ml
Oxazepam	5.731	47701	648.80	72.9	169.53	557657	5.0103 ng/ml
Oxycodone	2.693	53301	848.71	30.5	362.25	437336	4.9777 ng/ml
Oxymorphone	1.310	20054	631.00	49.3	352.00	134204	4.8935 ng/ml
Phentermine	3.665	24185	∞	3.0	70.80	569888	4.7980 ng/ml
Promethazine	5.472	95573	1266.24	32.2	377.89	789909	5.5579 ng/ml
Quetiapine	5.380	55266	∞	58.0	∞	138219	4.9965 ng/ml
Sertraline	5.730	24186	454.32	93.4	465.44	175249	5.0083 ng/ml
Temazepam	5.798	82405	2629.88	28.6	135.06	772603	5.0676 ng/ml
Tramadol	4.153	142199	1315.10	3.4	84.30	1369098	4.9723 ng/ml
Trazodone	4.710	73274	11412.47	80.2	4024.70	585150	4.9875 ng/ml
Venlafaxine	4.943	113284	1320.25	36.6	350.45	1128460	5.4752 ng/ml
Zolpidem	4.510	135657	∞	31.2	∞	1294162	4.9593 ng/ml

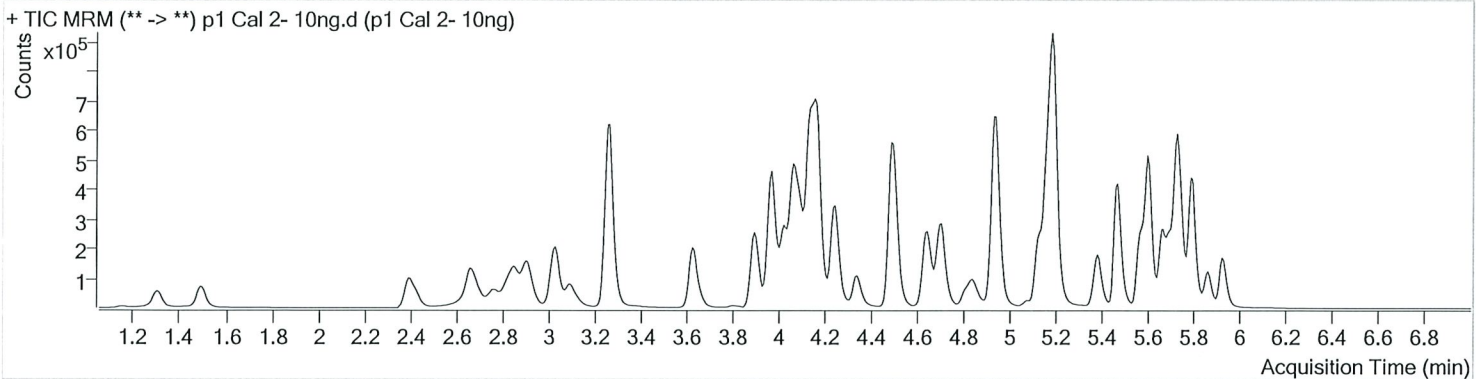


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\AM 27-28\060520 AM 27 28 wk1st 4286 4287 TS\QuantResults\AM 28 TS.batch.bin
Calibration Last Update 6/8/2020 12:26:08 PM

Instrument	Falco	Data File	p1 Cal 2- 10ng.d
Type	Cal	Sample	p1 Cal 2- 10ng
Acq. Method	MDQ P1 060520.m	Operator	Tamara Salazar
Sample Position	P1-B1	Comment	
Injection Volume	2		
Acq. Date-Time	6/5/2020 9:24:02 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.029	2099	315.90	73.4	351.37	40517	1.0002 ng/ml
7-aminoclonazepam	3.996	54900	1868.53	85.9	∞	190495	10.5093 ng/ml
a-hydroxyalprazolam	5.673	21597	286.72	58.4	212.78	44254	10.3945 ng/ml
alpha-PVP	4.251	142956	4663.87	51.3	1030.24	599504	10.1101 ng/ml
Alprazolam	5.750	71382	387.08	102.5	413.67	193124	10.5716 ng/ml
Amphetamine	2.914	258800	∞	50.5	∞	227269	10.5102 ng/ml
Benzoylcegonine	3.828	4278	164.20	6.7	37.80	14903	9.7307 ng/ml
Buprenorphine	5.400	4112	61.09	18.8	89.94	161827	1.0409 ng/ml
Bupropion	4.655	158767	1282.01	61.2	568.31	491877	9.9533 ng/ml
Carisoprodol	5.705	68977	2993.14	51.7	215.44	311381	10.2505 ng/ml
Citalopram	5.131	101291	312.96	39.5	1347.70	432345	10.0467 ng/ml
Clonazepam	5.586	98040	3562.34	32.7	31641.53	109222	9.8677 ng/ml
Cocaine	4.165	136362	418097.06	44.2	531.86	983179	9.9545 ng/ml
Codeine	2.429	15426	∞	105.4	519.96	68474	10.2985 ng/ml
Cyclobenzaprine	5.569	81972	121.48	9.9	214.17	309076	9.9384 ng/ml
Dextromethorphan	5.168	58549	1643.68	82.1	1314.83	264187	10.0866 ng/ml
Dextrorphan	4.026	36743	2090.49	212.2	1328.68	467865	9.9669 ng/ml
Diazepam	5.935	54648	∞	85.9	∞	257544	10.0041 ng/ml
Dihydrocodeine	2.427	39178	468.64	65.8	533.91	198595	10.2951 ng/ml
Diphenhydramine	5.196	250504	5664.11	31.4	107240.79	1583256	10.1888 ng/ml
Doxylamine	4.099	298203	463.97	98.6	22945.69	1182764	9.5190 ng/ml
EDDP	5.167	96509	317.63	43.2	1217.04	514223	9.9513 ng/ml
Fentanyl	4.948	8603	353.45	67.2	164.73	352496	1.0549 ng/ml
Fluoxetine	5.668	98266	6938.34	8.9	∞	360605	10.0470 ng/ml
Hydrocodone	2.883	49266	512.12	38.5	387.01	302257	9.9810 ng/ml
Hydromorphone	1.500	42862	3525.57	72.4	∞	124261	10.6123 ng/ml
Ketamine	3.912	118388	1680.75	38.8	∞	449224	11.2044 ng/ml
Lamotrigine	4.141	9066	1049.47	81.4	∞	449224	11.0606 ng/ml
Lorazepam	5.727	80355	879.46	54.8	667.50	109222	9.7131 ng/ml
Meprobamate	4.865	34510	1464.31	26.7	249.63	187690	10.1193 ng/ml
Methadone	5.607	158486	1903.04	54.5	3237.95	706612	10.1022 ng/ml
Methamphetamine	3.094	136616	815.85	42.2	755.77	556488	10.3883 ng/ml
Metoprolol	4.241	22502	8119.26	100.4	∞	1302610	10.0663 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.342	171389	2955.62	50.0	1346.48	599504	9.7105 ng/ml
Mitragynine	5.075	33298	3327.43	38.7	139.19	706612	9.9516 ng/ml
Morphine	1.160	6361	183.44	23.5	92.63	6878	9.9903 ng/ml
Norbuprenorphine	4.892	549	124.96	78.8	79.30	19855	1.0583 ng/ml
Nordiazepam	5.874	52415	462.45	58.2	818.22	168672	10.1534 ng/ml
Norfentanyl	3.994	21082	1863.65	38.5	169.44	936009	1.0247 ng/ml
Norhydrocodone	2.952	4979	136.77	43.4	174.16	56534	10.4603 ng/ml
Noroxycodone	2.783	46677	746.40	48.4	2159.21	155939	10.1938 ng/ml
O-desmethyl-tramadol	3.268	264157	3949.19	5.9	285.13	1364614	9.9406 ng/ml
Oxazepam	5.731	89411	685.55	72.9	∞	546563	9.8002 ng/ml
Oxycodone	2.693	99501	1813.65	30.9	517.40	418761	10.0061 ng/ml
Oxymorphone	1.310	38714	1809.90	46.7	485.47	128402	10.3919 ng/ml
Phentermine	3.665	43294	293.56	3.0	139.96	537760	10.2888 ng/ml
Promethazine	5.472	171948	823.21	32.5	318.66	736193	10.1899 ng/ml
Quetiapine	5.380	97272	632.32	60.3	∞	124734	9.9124 ng/ml
Sertraline	5.730	49362	935.51	91.8	1618.07	183374	10.2656 ng/ml
Temazepam	5.798	153401	723.87	30.0	∞	747848	9.9318 ng/ml
Tramadol	4.153	268297	4298.05	3.4	187.14	1302610	10.1037 ng/ml
Trazodone	4.710	129655	1666.10	78.6	1282.20	523926	10.1495 ng/ml
Venlafaxine	4.943	205249	1425.73	36.8	490.93	1071994	9.9926 ng/ml
Zolpidem	4.510	257739	46355.08	31.1	35176.61	1240425	10.0830 ng/ml

AM #28 Multi-Drug Quant. Results

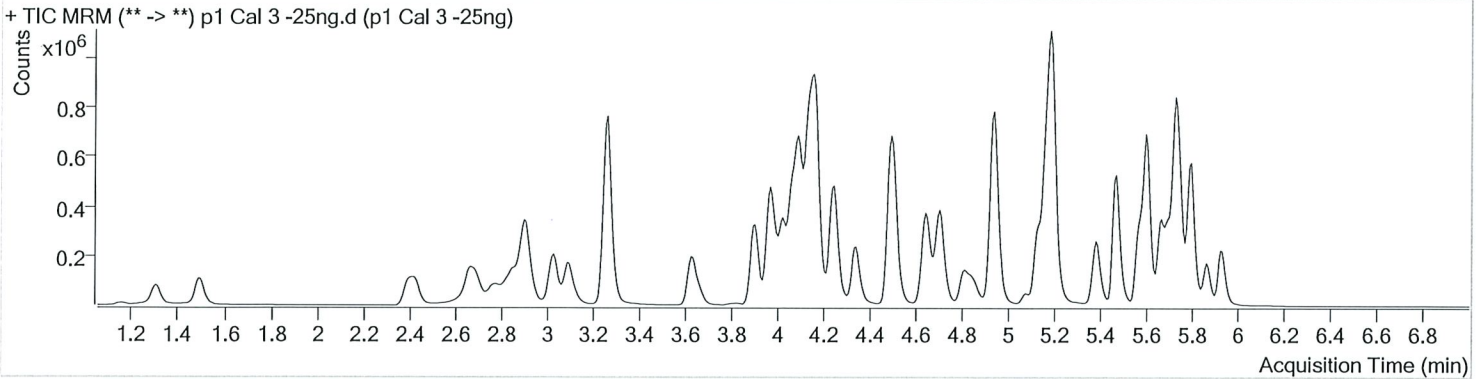


TS

Batch results D:\MassHunter\Data\2020\AM 27-28\060520 AM 27 28 wk1st 4286 4287 TS\QuantResults\AM 28 TS.batch.bin
Calibration Last Update 6/8/2020 12:26:08 PM

Instrument	Falco	Data File	p1 Cal 3 -25ng.d
Type	Cal	Sample	p1 Cal 3 -25ng
Acq. Method	MDQ P1 060520.m	Operator	Tamara Salazar
Sample Position	P1-C1	Comment	
Injection Volume	2		
Acq. Date-Time	6/5/2020 9:34:37 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.023	5172	∞	71.1	∞	39537	2.5279 ng/ml
7-aminoclonazepam	3.996	135057	1180.77	83.7	∞	196176	26.1179 ng/ml
a-hydroxyalprazolam	5.673	50327	478.81	64.3	311.75	45332	24.3712 ng/ml
alpha-PVP	4.251	344690	1861.82	51.1	915.03	588231	24.4638 ng/ml
Alprazolam	5.750	170371	432.26	104.1	4504.07	189803	24.0187 ng/ml
Amphetamine	2.914	603368	12321.57	51.3	2890.84	219944	27.3232 ng/ml
Benzoylcgonine	3.828	10560	377.18	7.8	44.19	14464	23.8462 ng/ml
Buprenorphine	5.400	9484	290.09	18.0	117.30	153061	2.5254 ng/ml
Bupropion	4.655	375318	2776.41	60.4	1041.27	471834	24.9731 ng/ml
Carisoprodol	5.705	160652	4624.77	54.9	732.74	307883	24.9695 ng/ml
Citalopram	5.131	228893	3095.09	40.5	1971.22	408090	24.3656 ng/ml
Clonazepam	5.586	232284	331.92	33.3	5414.41	104775	24.9521 ng/ml
Cocaine	4.165	332116	919.10	43.4	3788.71	953605	24.9322 ng/ml
Codeine	2.429	38130	749.65	103.3	524.38	67349	27.5223 ng/ml
Cyclobenzaprine	5.569	187433	744.40	9.7	542.70	284538	24.8571 ng/ml
Dextromethorphan	5.168	135224	1856.70	79.9	1870.57	253163	24.8661 ng/ml
Dextrorphan	4.026	88299	8558.19	211.5	3327.48	449450	24.7988 ng/ml
Diazepam	5.935	128847	575.08	86.4	2127.75	247518	24.7348 ng/ml
Dihydrocodeine	2.427	96046	∞	63.7	242.73	195914	26.9764 ng/ml
Diphenhydramine	5.196	566143	925.58	32.0	2335.28	1474264	24.6441 ng/ml
Doxylamine	4.099	716794	811.55	98.6	59118.89	1160776	25.4045 ng/ml
EDDP	5.167	233420	2129.67	44.0	670.18	512082	24.5692 ng/ml
Fentanyl	4.948	18415	1129.83	65.7	13105.82	323014	2.5475 ng/ml
Fluoxetine	5.668	222976	19334.41	8.6	7708.62	337416	25.5253 ng/ml
Hydrocodone	2.883	118078	2861.10	40.6	742.04	266866	27.6473 ng/ml
Hydromorphone	1.500	105108	9370.30	71.3	2925.16	122046	27.7483 ng/ml
Ketamine	3.912	283093	1672.50	39.4	877.53	504906	24.5141 ng/ml
Lamotrigine	4.141	23245	3277.56	78.6	3926.38	504906	26.3782 ng/ml
Lorazepam	5.727	192198	1431.69	55.2	∞	104775	27.4191 ng/ml
Meprobamate	4.865	85826	29983.13	25.9	2514.33	185761	25.8674 ng/ml
Methadone	5.607	370687	7799.61	52.5	840.00	670293	24.7513 ng/ml
Methamphetamine	3.094	320493	3761.34	42.4	1443.49	546008	26.5507 ng/ml
Metoprolol	4.241	54956	∞	95.1	1395.72	1293345	25.4864 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.342	396565	6673.42	49.2	3309.13	588231	23.1350 ng/ml
Mitragynine	5.075	75952	167205.94	39.2	84900.63	670293	23.5091 ng/ml
Morphine	1.151	15454	233.14	23.6	86.87	6815	24.9114 ng/ml
Norbuprenorphine	4.892	1160	108.25	99.1	490.59	18898	2.4682 ng/ml
Nordiazepam	5.867	122300	17516.47	57.7	2025.14	162969	24.8371 ng/ml
Norfentanyl	3.994	51278	4375.97	37.2	352.24	922481	2.6257 ng/ml
Norhydrocodone	2.952	12009	1166.67	44.5	434.76	53033	22.3384 ng/ml
Noroxycodone	2.783	112549	1184.25	48.4	2943.94	153140	25.5771 ng/ml
O-desmethyl-tramadol	3.268	641596	2130.86	5.9	586.02	1341000	24.5068 ng/ml
Oxazepam	5.731	219492	6199.09	71.8	671.22	523063	25.5135 ng/ml
Oxycodone	2.693	240802	2462.83	31.5	1152.24	410840	25.1485 ng/ml
Oxymorphone	1.303	92928	956.70	47.8	1834.01	132771	24.7962 ng/ml
Phentermine	3.665	100454	1896.30	3.0	355.70	517870	26.6540 ng/ml
Promethazine	5.472	397636	1900.99	31.8	3068.55	683661	24.5117 ng/ml
Quetiapine	5.380	227163	9594.47	59.5	645.92	114604	25.4671 ng/ml
Sertraline	5.730	112011	1147.23	94.1	3069.76	179934	24.4264 ng/ml
Temazepam	5.798	371340	693.06	31.2	167.39	756067	24.0616 ng/ml
Tramadol	4.153	642173	2779.93	3.4	450.93	1293345	24.7055 ng/ml
Trazodone	4.710	290603	3081.27	78.9	3627.88	496890	24.3956 ng/ml
Venlafaxine	4.943	498149	2857.83	36.8	551.54	1029046	24.5067 ng/ml
Zolpidem	4.510	619687	∞	31.0	238046.07	1214922	25.1256 ng/ml

TS

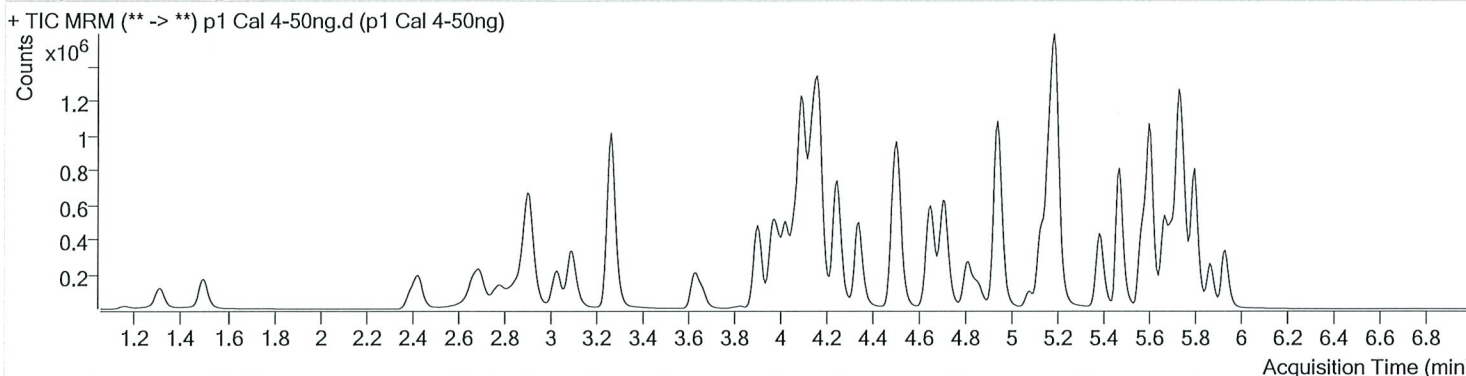


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\AM 27-28\060520 AM 27 28 wk1st 4286 4287 TS\QuantResults\AM 28 TS.batch.bin
Calibration Last Update 6/8/2020 12:26:08 PM

Instrument	Falco	Data File	p1 Cal 4-50ng.d
Type	Cal	Sample	p1 Cal 4-50ng
Acq. Method	MDQ P1 060520.m	Operator	Tamara Salazar
Sample Position	P1-D1	Comment	
Injection Volume	2		
Acq. Date-Time	6/5/2020 9:45:11 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.029	10245	900.46	72.0	626.23	39191	5.0539 ng/ml
7-aminoclonazepam	3.996	265385	2369.63	85.8	4561.96	188235	54.2506 ng/ml
a-hydroxyalprazolam	5.673	99990	618.03	61.6	195.97	42722	52.0079 ng/ml
alpha-PVP	4.251	694647	32563.29	51.3	5473.82	584963	49.3087 ng/ml
Alprazolam	5.750	332242	3248.25	110.0	1249.54	182069	47.6322 ng/ml
Amphetamine	2.914	1217557	32871.17	51.3	13947.00	227214	54.7278 ng/ml
Benzoylcegonine	3.828	20993	6448.55	8.3	530.50	14610	46.3646 ng/ml
Buprenorphine	5.400	19740	368.24	15.8	210.53	160182	5.0133 ng/ml
Bupropion	4.655	754311	22200.49	60.7	2243.75	473913	50.2744 ng/ml
Carisoprodol	5.705	315657	33589.69	54.1	3995.56	293933	52.0330 ng/ml
Citalopram	5.131	492169	1584.70	39.6	845.20	424703	50.5812 ng/ml
Clonazepam	5.586	455240	4985.84	32.9	479.16	101937	50.6642 ng/ml
Cocaine	4.165	655131	206772.85	44.4	27558.82	944606	49.6073 ng/ml
Codeine	2.436	76127	2361.54	101.9	784.01	66852	56.4530 ng/ml
Cyclobenzaprine	5.569	391738	394.46	10.1	∞	304497	48.6576 ng/ml
Dextromethorphan	5.168	281162	17309.59	79.6	20091.11	262057	50.3454 ng/ml
Dextrorphan	4.026	180950	1255.00	209.9	1806.70	457372	49.8486 ng/ml
Diazepam	5.935	258535	3041.95	87.4	1102.11	243130	50.6648 ng/ml
Dihydrocodeine	2.427	189358	1324.10	66.2	∞	192543	55.0595 ng/ml
Diphenhydramine	5.196	1189880	5767.08	32.1	755.88	1560010	48.8895 ng/ml
Doxylamine	4.099	1469125	118172.92	98.0	51571.06	1162489	53.5013 ng/ml
EDDP	5.167	495615	2254.34	43.2	1217.23	536736	50.0582 ng/ml
Fentanyl	4.948	39290	1175.38	65.3	760.03	345334	5.1459 ng/ml
Fluoxetine	5.668	467664	∞	8.3	523.82	361085	50.8087 ng/ml
Hydrocodone	2.883	248414	609.70	39.9	4808.59	262155	59.5779 ng/ml
Hydromorphone	1.500	195993	3836.97	76.9	3546.56	122242	52.3796 ng/ml
Ketamine	3.912	575224	1972.43	39.1	5264.19	504264	50.4949 ng/ml
Lamotrigine	4.141	44379	4000.55	79.8	8019.42	504264	51.2393 ng/ml
Lorazepam	5.727	362170	2756.67	55.6	4269.71	101937	55.1134 ng/ml
Meprobamate	4.865	169552	18129.21	26.8	1597.44	180721	52.8264 ng/ml
Methadone	5.607	768736	1738.14	53.0	1763.17	712146	48.2107 ng/ml
Methamphetamine	3.101	650248	2668.98	42.0	4458.95	557669	53.9571 ng/ml
Metoprolol	4.241	110535	1734.22	95.3	∞	1279782	52.3179 ng/ml

TS



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.342	836269	5773.03	49.2	3020.22	584963	49.2537 ng/ml
Mitragynine	5.075	167090	248915.09	37.9	287657.21	712146	48.3593 ng/ml
Morphine	1.160	31091	483.10	24.2	162.75	6763	50.7956 ng/ml
Norbuprenorphine	4.899	2607	100.78	72.5	79.72	19744	5.4212 ng/ml
Nordiazepam	5.874	243763	958.69	57.4	33450.61	159679	50.7561 ng/ml
Norfentanyl	3.994	101728	1226.16	36.8	108.67	913076	5.3289 ng/ml
Norhydrocodone	2.952	24603	∞	42.9	191.60	46138	48.6753 ng/ml
Noroxycodone	2.783	220892	1400.32	49.4	1631.04	150939	51.3040 ng/ml
O-desmethyl-tramadol	3.268	1271643	5995.07	6.0	∞	1311211	49.6322 ng/ml
Oxazepam	5.737	412308	12295.83	73.0	1489.11	493111	51.0748 ng/ml
Oxycodone	2.693	485272	1622.42	31.3	26969.85	408910	51.2449 ng/ml
Oxymorphone	1.310	185393	1132.89	46.0	4998.32	129351	51.3101 ng/ml
Phentermine	3.665	206662	1726.63	3.0	438.72	528500	55.0758 ng/ml
Promethazine	5.472	840503	9747.08	32.5	8277.03	737560	47.4696 ng/ml
Quetiapine	5.380	473095	1006.54	60.4	655417.32	119542	51.0235 ng/ml
Sertraline	5.730	234360	835.72	90.3	781.91	182620	50.9102 ng/ml
Temazepam	5.798	737871	749.70	30.6	974.55	735633	49.3497 ng/ml
Tramadol	4.153	1294277	3909.71	3.4	394.19	1279782	50.5772 ng/ml
Trazodone	4.710	630060	8036.68	77.9	31327.26	524255	50.4481 ng/ml
Venlafaxine	4.943	1011776	9108.68	36.5	1505.75	1038128	48.8368 ng/ml
Zolpidem	4.510	1246525	204458.59	31.0	4112.58	1207818	51.1014 ng/ml

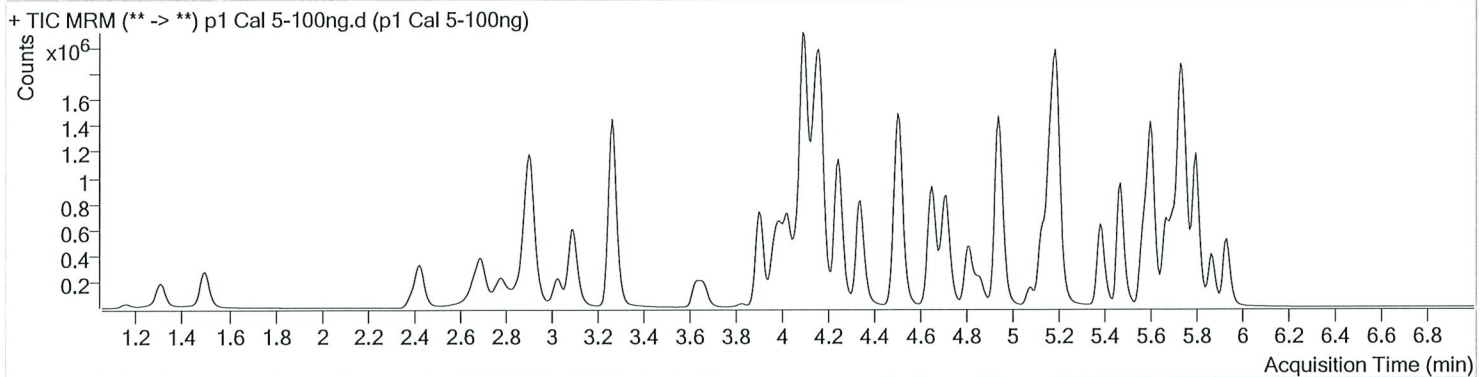
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\060520 AM 27 28 wk1st 4286 4287 TS\QuantResults\AM 28 TS.batch.bin
 Calibration Last Update 6/8/2020 12:26:08 PM

Instrument	Falco	Data File	p1 Cal 5-100ng.d
Type	Cal	Sample	p1 Cal 5-100ng
Acq. Method	MDQ P1 060520.m	Operator	Tamara Salazar
Sample Position	P1-E1	Comment	
Injection Volume	2		
Acq. Date-Time	6/5/2020 9:55:45 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.029	19053	∞	72.2	2632.64	37884	9.7243 ng/ml
7-aminoclonazepam	3.996	503423	5450.52	86.0	3680.55	186093	104.7658 ng/ml
a-hydroxyalprazolam	5.673	185624	531.41	61.8	572.72	40798	101.6390 ng/ml
alpha-PVP	4.251	1291360	183910.01	50.9	14122.69	545273	98.0783 ng/ml
Alprazolam	5.750	620368	1105.42	105.5	1998.07	170744	93.6907 ng/ml
Amphetamine	2.914	2195652	28044.54	51.0	20675.50	214262	105.9551 ng/ml
Benzoylcegonine	3.828	44745	893.14	7.5	729.38	14719	97.4381 ng/ml
Buprenorphine	5.400	30398	986.69	16.3	88.09	130012	9.5034 ng/ml
Bupropion	4.655	1331706	2670.10	60.4	3211.76	424922	99.2847 ng/ml
Carisoprodol	5.705	590007	705966.82	53.6	1907.31	282855	101.6390 ng/ml
Citalopram	5.131	781453	2030.06	40.7	4383.08	344949	99.0946 ng/ml
Clonazepam	5.586	854819	981.45	32.1	1336.03	95504	101.9392 ng/ml
Cocaine	4.165	1200148	33610.78	44.4	92768.94	871647	98.4411 ng/ml
Codeine	2.429	138713	806.24	103.8	1812.63	64048	108.3458 ng/ml
Cyclobenzaprine	5.569	582848	1200609.31	9.5	1367.22	224480	98.3194 ng/ml
Dextromethorphan	5.168	426183	38736.53	79.5	1263.13	201587	99.5873 ng/ml
Dextrorphan	4.026	322821	1277.61	212.8	3293.37	418874	97.0200 ng/ml
Diazepam	5.935	484153	2104.05	86.6	4883.63	233489	98.9218 ng/ml
Dihydrocodeine	2.427	354058	3217.74	65.1	1148.41	186842	106.9591 ng/ml
Diphenhydramine	5.196	1919613	222417.98	31.8	833.90	1255252	97.9618 ng/ml
Doxylamine	4.092	2708579	80962.28	96.7	93252.34	1086545	106.9355 ng/ml
EDDP	5.167	879514	2232.75	44.2	952.06	489526	97.6649 ng/ml
Fentanyl	4.948	57190	1678.01	64.6	849.16	255826	10.1711 ng/ml
Fluoxetine	5.668	670080	55863.16	8.7	9300.93	268014	98.8382 ng/ml
Hydrocodone	2.883	467694	1356.63	39.0	753.21	291342	101.1551 ng/ml
Hydromorphone	1.500	355532	15971.25	76.7	9373.43	117882	99.2681 ng/ml
Ketamine	3.912	1071048	3648.97	38.8	2458.54	479932	99.3603 ng/ml
Lamotrigine	4.141	81067	10958.61	78.7	23824.25	479932	99.1656 ng/ml
Lorazepam	5.727	654303	∞	54.7	7669.75	95504	108.2657 ng/ml
Meprobamate	4.865	319199	10119.30	26.2	2645.13	172438	104.5112 ng/ml
Metadone	5.607	1223069	35314.44	51.6	49096.66	543166	100.4500 ng/ml
Methamphetamine	3.094	1205481	4014.75	42.3	8020.11	532689	105.8792 ng/ml
Metoprolol	4.241	201022	8041.60	94.8	10631.76	1171979	104.3883 ng/ml

TS



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.342	1385474	37791.79	49.4	7129.07	545273	87.6749 ng/ml
Mitragynine	5.075	257685	29568.59	37.0	418.87	543166	97.4756 ng/ml
Morphine	1.151	59750	1280.54	23.2	269.94	6518	101.5787 ng/ml
Norbuprenorphine	4.899	3697	367.68	87.8	∞	15685	9.7544 ng/ml
Nordiazepam	5.867	444044	1083.72	59.3	∞	146911	100.7138 ng/ml
Norfentanyl	3.994	188087	2852.38	37.7	1433.84	874639	10.3470 ng/ml
Norhydrocodone	2.952	45379	1160.83	39.5	610.96	40792	98.3956 ng/ml
Noroxycodone	2.783	417101	2153.45	48.5	1000.38	144694	101.4213 ng/ml
O-desmethyl-tramadol	3.268	2437615	14260.20	6.0	3946.59	1253393	99.4860 ng/ml
Oxazepam	5.731	752329	13966.64	71.0	∞	443708	103.8176 ng/ml
Oxycodone	2.693	921388	1919.53	31.1	3479.84	395010	101.0294 ng/ml
Oxymorphone	1.303	347394	1819.31	47.1	977.77	122620	101.9213 ng/ml
Phentermine	3.665	375089	3686.48	3.0	262.36	497619	107.3920 ng/ml
Promethazine	5.472	1243481	1320.92	31.4	2347.45	539004	95.5059 ng/ml
Quetiapine	5.380	803302	∞	60.0	104161.16	104450	99.3204 ng/ml
Sertraline	5.730	332368	14822.24	92.9	9819.21	133088	99.5660 ng/ml
Temazepam	5.798	1372055	1615.17	30.4	1332.75	702734	96.2513 ng/ml
Tramadol	4.153	2399771	6069.02	3.4	1034.70	1171979	102.6566 ng/ml
Trazodone	4.710	999167	5566.98	79.4	282296.84	429774	97.8700 ng/ml
Venlafaxine	4.943	1844443	7204.09	36.6	12849.55	961560	95.6374 ng/ml
Zolpidem	4.510	2350709	13249.68	30.7	33993.12	1152997	101.2002 ng/ml

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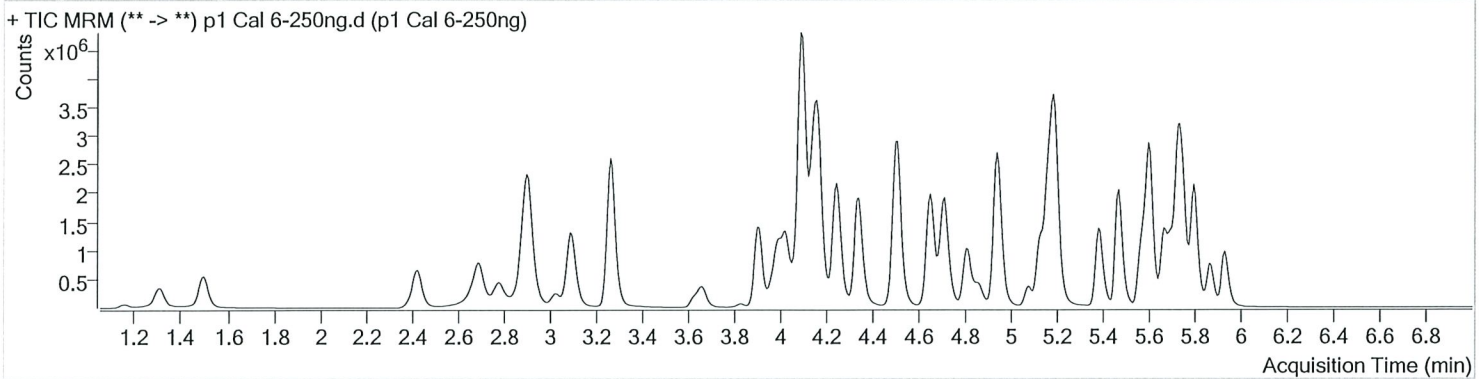


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\AM 27-28\060520 AM 27 28 wklst 4286 4287 TS\QuantResults\AM 28 TS.batch.bin
Calibration Last Update 6/8/2020 12:26:08 PM

Instrument Falco Data File p1 Cal 6-250ng.d
Type Cal Sample p1 Cal 6-250ng
Acq. Method MDQ P1 060520.m Operator Tamara Salazar
Sample Position P1-F1 Comment
Injection Volume 2
Acq. Date-Time 6/5/2020 10:06:19 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.029	44566	2888.39	71.1	7268.74	34162	25.2263 ng/ml
7-aminoclonazepam	3.996	1101717	3143.22	83.6	1505.68	166172	257.8187 ng/ml
a-hydroxyalprazolam	5.673	379984	1184.24	62.9	496.11	33417	254.8723 ng/ml
alpha-PVP	4.251	2801451	3816.95	50.1	∞	471060	245.8956 ng/ml
Alprazolam	5.750	1306367	1219.84	105.4	∞	136501	244.8949 ng/ml
Amphetamine	2.907	4470532	55179.10	51.0	86941.60	196282	237.2337 ng/ml
Benzoylcegonine	3.828	107365	11875.78	7.7	1212.38	13770	249.0061 ng/ml
Buprenorphine	5.400	75236	1048.62	16.7	652.74	126301	24.1986 ng/ml
Bupropion	4.655	3064859	6167.02	60.7	3046.42	386980	251.3664 ng/ml
Carisoprodol	5.705	1199079	2514.76	54.3	963.34	238074	246.2761 ng/ml
Citalopram	5.131	1855218	3211.19	39.6	5536.29	325974	249.2907 ng/ml
Clonazepam	5.586	1707287	42236.38	32.3	2203.30	76520	254.6973 ng/ml
Cocaine	4.171	2554430	550458.19	44.2	7578867.04	738645	247.1879 ng/ml
Codeine	2.429	284236	2406.73	103.5	6505.99	56984	250.9462 ng/ml
Cyclobenzaprine	5.569	1436490	49543.10	9.5	2386.21	219923	247.5158 ng/ml
Dextromethorphan	5.168	976682	1743.30	79.5	1706.56	184441	250.0337 ng/ml
Dextrorphan	4.026	729268	∞	210.2	16514.99	367308	249.8014 ng/ml
Diazepam	5.935	1035541	19590.31	86.5	3370.85	190753	259.1979 ng/ml
Dihydrocodeine	2.427	756391	699.25	65.5	919.74	169029	253.8594 ng/ml
Diphenhydramine	5.196	4489136	6831.27	31.9	1541.96	1161982	247.3872 ng/ml
Doxylamine	4.092	6266181	111887.10	98.0	311732.27	1016787	266.4865 ng/ml
EDDP	5.167	2002111	2032.18	43.0	2696.31	436354	249.8489 ng/ml
Fentanyl	4.948	138081	28057.24	66.4	1418.02	256046	24.6243 ng/ml
Fluoxetine	5.668	1658702	∞	8.7	∞	262314	251.2241 ng/ml
Hydrocodone	2.883	990743	2417.96	39.6	81.68	252901	247.3187 ng/ml
Hydromorphone	1.500	784328	18028.08	76.5	3498.07	109679	236.5179 ng/ml
Ketamine	3.912	2374351	∞	38.8	10824.52	429352	247.1018 ng/ml
Lamotrigine	4.141	161230	4813.94	77.8	100829.59	429352	221.5520 ng/ml
Lorazepam	5.727	1128205	10631.72	55.8	8799.69	76520	235.4630 ng/ml
Meprobamate	4.865	661972	3819.49	26.2	2716.09	148574	251.9628 ng/ml
Methadone	5.607	2897439	136479.68	52.1	2882.42	527811	244.7334 ng/ml
Methamphetamine	3.094	2658142	12532.59	42.3	4550.58	495921	252.4634 ng/ml
Metoprolol	4.234	430881	∞	95.5	4774.05	1018910	258.0935 ng/ml

TS



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.342	3299828	11712.10	48.9	6541.46	471060	242.0219 ng/ml
Mitragynine	5.075	626155	58876.26	38.7	46278.26	527811	243.3001 ng/ml
Morphine	1.160	134880	6623.72	23.5	832.92	5943	251.8809 ng/ml
Norbuprenorphine	4.892	8506	238.68	84.1	164.10	15090	23.4636 ng/ml
Nordiazepam	5.874	949773	2832.19	58.3	1340.40	127016	249.4921 ng/ml
Norfentanyl	3.994	404210	1439.41	37.7	871.77	793732	24.5931 ng/ml
Norhydrocodone	2.952	99697	103.36	43.8	∞	32143	269.1553 ng/ml
Noroxycodone	2.783	905542	7197.72	48.8	903.00	125468	254.4951 ng/ml
O-desmethyl-tramadol	3.268	5459302	5945.96	5.9	1929.87	1115067	250.3851 ng/ml
Oxazepam	5.731	1381883	∞	73.1	10320.73	334260	253.4759 ng/ml
Oxycodone	2.693	2086032	17747.23	31.0	2370.69	356299	254.0631 ng/ml
Oxymorphone	1.310	727890	4164.52	46.7	∞	104233	251.9721 ng/ml
Phentermine	3.665	818477	11017.06	2.9	584.70	457991	256.4283 ng/ml
Promethazine	5.472	3172270	4222.14	31.3	43688.69	535458	244.3524 ng/ml
Quetiapine	5.380	1917817	46258.40	60.1	2742.99	99943	248.0761 ng/ml
Sertraline	5.730	752153	57193.04	94.0	1449.77	121749	247.0758 ng/ml
Temazepam	5.798	3014337	34146.35	29.9	1047389.58	592847	250.9775 ng/ml
Tramadol	4.153	5213550	∞	3.3	3039.14	1018910	256.8987 ng/ml
Trazodone	4.710	2476075	82869.11	79.4	∞	422590	247.1151 ng/ml
Venlafaxine	4.943	4192438	4370.78	36.4	2987.65	841839	247.5084 ng/ml
Zolpidem	4.510	5292015	92809.91	30.2	69523.36	1026846	256.2077 ng/ml

TS

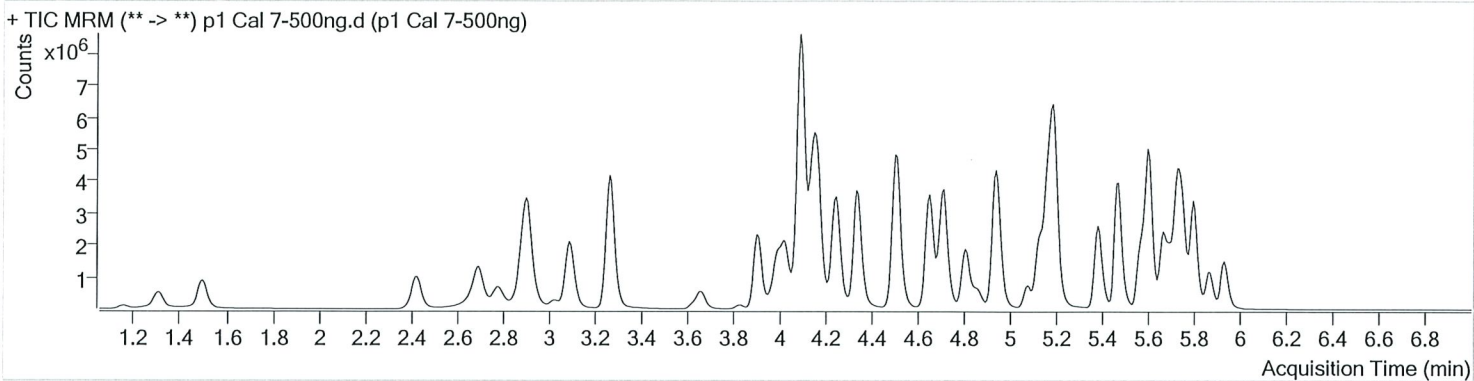


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\AM 27-28\060520 AM 27 28 wk1st 4286 4287 TS\QuantResults\AM 28 TS.batch.bin
Calibration Last Update 6/8/2020 12:26:08 PM

Instrument Falco **Data File** p1 Cal 7-500ng.d
Type Cal **Sample** p1 Cal 7-500ng
Acq. Method MDQ P1 060520.m **Operator** Tamara Salazar
Sample Position P1-G1 **Comment**
Injection Volume 2
Acq. Date-Time 6/5/2020 10:16:54 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.023	82541	2251.14	71.2	1988.49	32185	49.5949 ng/ml
7-aminoclonazepam	3.990	1868657	∞	84.5	∞	152767	476.2830 ng/ml
a-hydroxyalprazolam	5.673	589389	649.32	63.3	955.07	26520	498.6772 ng/ml
alpha-PVP	4.251	4993308	4376.63	49.9	2738.58	416160	495.8367 ng/ml
Alprazolam	5.756	2173189	1929.40	103.7	∞	110522	501.9280 ng/ml
Amphetamine	2.907	6913191	134121.23	51.1	233072.20	178987	403.2934 ng/ml
Benzoylcegonine	3.828	224573	6540.64	7.6	1903.97	13831	517.8893 ng/ml
Buprenorphine	5.400	160133	28897.97	16.3	1869.51	130438	49.8612 ng/ml
Bupropion	4.655	5784624	7052.38	59.8	∞	365837	502.1509 ng/ml
Carisoprodol	5.705	1857817	1790.19	54.0	14912.91	181145	502.1227 ng/ml
Citalopram	5.125	3544554	9502.11	40.8	1984.75	313779	495.0241 ng/ml
Clonazepam	5.586	2464918	10354.39	32.7	∞	56641	497.1594 ng/ml
Cocaine	4.165	4316393	271041.33	43.6	112787.41	613888	502.5310 ng/ml
Codeine	2.429	443971	3438.31	105.8	∞	49771	449.6393 ng/ml
Cyclobenzaprine	5.569	2911600	5352.59	9.8	2259.62	218353	505.4153 ng/ml
Dextromethorphan	5.161	1807730	3743.70	80.1	1107.24	173362	492.7408 ng/ml
Dextrorphan	4.026	1267961	9301.53	213.3	1827.18	319448	499.3057 ng/ml
Diazepam	5.935	1705550	5472.16	86.8	1232.66	163139	499.2858 ng/ml
Dihydrocodeine	2.421	1285706	∞	65.2	2869.40	156968	465.4423 ng/ml
Diphenhydramine	5.196	8703654	29241.07	30.9	33689.88	1115190	499.7053 ng/ml
Doxylamine	4.092	11510956	416190.99	98.4	480756.16	947184	526.9098 ng/ml
EDDP	5.167	3818287	3025.44	42.6	1326.68	409855	507.5897 ng/ml
Fentanyl	4.948	273983	2773.53	69.3	2803.24	258610	48.4355 ng/ml
Fluoxetine	5.668	3319587	2867213.17	8.4	1955.52	268872	491.2912 ng/ml
Hydrocodone	2.877	1642970	∞	36.7	∞	231025	449.2314 ng/ml
Hydromorphone	1.500	1361053	16873.42	87.1	14673.39	98895	455.9600 ng/ml
Ketamine	3.905	4223556	6134.62	37.6	10584.36	377227	500.9036 ng/ml
Lamotrigine	4.135	237658	4954.94	78.5	∞	377227	372.3082 ng/ml
Lorazepam	5.727	1355103	4574.36	55.8	∞	56641	383.4142 ng/ml
Meprobamate	4.865	1054698	55842.15	26.2	1235.50	124280	480.1818 ng/ml
Methadone	5.607	5891595	4265.87	51.0	1777.28	517995	506.9511 ng/ml
Methamphetamine	3.094	4427381	15275.36	42.0	5921.80	442317	472.5296 ng/ml
Metoprolol	4.234	704596	84197.32	96.3	∞	889696	483.7744 ng/ml

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AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.336	6495528	21761.67	48.6	14953.36	416160	539.4668 ng/ml
Mitragynine	5.075	1290045	57861.88	38.9	44901.86	517995	510.4325 ng/ml
Morphine	1.160	248629	2036.82	22.7	2444.31	5391	512.1895 ng/ml
Norbuprenorphine	4.892	18443	694.86	80.6	1943.07	15264	50.4069 ng/ml
Nordiazepam	5.874	1569156	∞	58.8	12369.38	105517	496.4001 ng/ml
Norfentanyl	3.994	633180	71951.34	37.4	2064.43	703846	43.4944 ng/ml
Norhydrocodone	2.952	154474	441.62	43.2	143.33	26339	506.3526 ng/ml
Noroxycodone	2.783	1507186	2984.34	48.8	6261.99	108323	490.9771 ng/ml
O-desmethyl-tramadol	3.268	9726190	5191.70	5.8	4430.92	982296	506.3317 ng/ml
Oxazepam	5.731	1849908	35880.52	71.1	4932.95	232887	487.2503 ng/ml
Oxycodone	2.693	3739290	∞	31.2	2498.33	330623	491.0806 ng/ml
Oxymorphone	1.310	1248374	∞	46.9	∞	91807	491.1228 ng/ml
Phentermine	3.665	1355886	3100.17	2.9	2530.66	419066	465.3275 ng/ml
Promethazine	5.472	6818831	6130.99	30.1	55465.49	567835	494.6947 ng/ml
Quetiapine	5.380	3783860	2518.51	58.9	3896.01	100415	487.3258 ng/ml
Sertraline	5.730	1479248	3317.96	92.5	5456.81	120909	489.8100 ng/ml
Temazepam	5.798	5224353	4970.66	28.9	1178.83	506345	509.5044 ng/ml
Tramadol	4.147	8786538	9522.85	3.2	2619.94	889696	496.0689 ng/ml
Trazodone	4.710	5111220	41389.60	78.2	17226.17	424569	508.0438 ng/ml
Venlafaxine	4.943	7504972	21638.45	35.5	3220.03	753924	494.2409 ng/ml
Zolpidem	4.510	9424717	43217.74	29.6	27385.72	937892	499.8094 ng/ml

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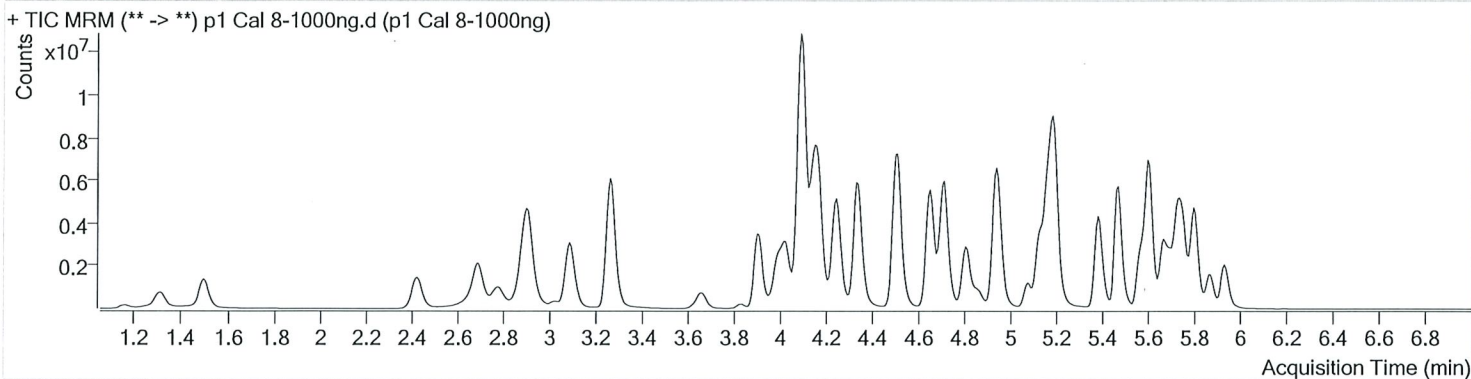


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\AM 27-28\060520 AM 27 28 wklst 4286 4287 TS\QuantResults\AM 28 TS.batch.bin
Calibration Last Update 6/8/2020 12:26:08 PM

Instrument	Falco	Data File	p1 Cal 8-1000ng.d
Type	Cal	Sample	p1 Cal 8-1000ng
Acq. Method	MDQ P1 060520.m	Operator	Tamara Salazar
Sample Position	P1-H1	Comment	
Injection Volume	2		
Acq. Date-Time	6/5/2020 10:27:28 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.023	144274	∞	72.0	3694.24	27716	100.6657 ng/ml
7-aminoclonazepam	3.996	2807100	1401.19	83.1	3265.22	131386	832.4474 ng/ml
a-hydroxyalprazolam	5.673	840930	383.05	64.3	678.58	20260	931.8640 ng/ml
alpha-PVP	4.251	7734985	∞	49.8	5877.39	316078	1011.0208 ng/ml
Alprazolam	5.756	3214745	∞	104.1	∞	81012	1011.7773 ng/ml
Amphetamine	2.914	9559031	180737.04	50.9	93044.33	151421	660.0626 ng/ml
Benzoylcegonine	3.828	368500	28874.16	7.5	717.61	10590	1109.1843 ng/ml
Buprenorphine	5.400	260489	3219.65	16.1	6005.91	100690	105.0627 ng/ml
Bupropion	4.655	9304151	4883.11	59.6	54049.86	296457	996.9938 ng/ml
Carisoprodol	5.705	2561654	120520.45	53.2	651.53	132592	946.4152 ng/ml
Citalopram	5.125	5741236	6683.37	39.7	8267.25	250029	1006.4748 ng/ml
Clonazepam	5.586	3130135	9744.16	32.3	2152.56	37078	964.8017 ng/ml
Cocaine	4.171	6447583	227192.87	42.5	113220.88	459798	1002.1725 ng/ml
Codeine	2.436	661797	∞	102.5	4832.51	41538	803.9468 ng/ml
Cyclobenzaprine	5.569	4199454	4415.42	9.7	22529.02	152041	1047.0319 ng/ml
Dextromethorphan	5.161	2480917	1088.88	78.5	75427.17	116427	1007.3353 ng/ml
Dextrorphan	4.026	2002423	3298.39	215.7	17434.52	250855	1004.0469 ng/ml
Diazepam	5.935	2561795	35659.39	84.2	958.78	125915	971.7753 ng/ml
Dihydrocodeine	2.427	1961863	373.03	65.9	∞	136537	817.1998 ng/ml
Diphenhydramine	5.196	12832422	184967.10	31.7	1295.90	816661	1006.0084 ng/ml
Doxylamine	4.092	18109677	∞	99.3	531330.88	830029	947.1152 ng/ml
EDDP	5.167	6358699	2353.58	42.5	3460.27	338745	1023.0349 ng/ml
Fentanyl	4.948	387094	6175.31	69.6	1015.42	184402	96.0317 ng/ml
Fluoxetine	5.668	4554269	∞	8.2	28924.46	180049	1007.3911 ng/ml
Hydrocodone	2.877	2633907	∞	41.0	1584.17	197407	843.1085 ng/ml
Hydromorphone	1.500	2176106	∞	76.5	∞	73225	985.5358 ng/ml
Ketamine	3.905	6727370	∞	38.2	7011.82	313077	961.8805 ng/ml
Lamotrigine	4.135	296079	22688.87	80.3	63411.78	313077	559.3150 ng/ml
Lorazepam	5.727	1439022	∞	53.4	101.19	37078	623.3157 ng/ml
Meprobamate	4.865	1516528	65621.67	26.5	∞	94988	903.6108 ng/ml
Methadone	5.607	8838050	3475.35	50.1	7222.89	394040	999.6084 ng/ml
Methamphetamine	3.094	6669311	19687.94	42.0	70382.83	371769	847.8587 ng/ml
Metoprolol	4.234	1014559	24056.48	95.7	∞	690792	897.5937 ng/ml

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AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.336	10593529	19216.51	47.7	3674.67	316078	1158.5975 ng/ml
Mitragynine	5.075	2134340	173440.63	38.3	83211.57	394040	1109.8020 ng/ml
Morphine	1.160	387883	11740.36	23.8	716.60	4573	942.2038 ng/ml
Norbuprenorphine	4.892	29405	1409.83	86.4	1952.01	12521	98.0632 ng/ml
Nordiazepam	5.874	2300401	∞	58.3	2170.17	77880	986.2025 ng/ml
Norfentanyl	3.987	877345	834.21	38.0	835.63	584509	72.6151 ng/ml
Norhydrocodone	2.952	275297	122.03	42.9	190.70	23381	1013.6433 ng/ml
Noroxycodone	2.783	2230830	31638.43	49.1	4217.48	84242	934.7882 ng/ml
O-desmethyl-tramadol	3.268	15595470	558582.59	5.8	2462.58	784689	1016.2891 ng/ml
Oxazepam	5.731	2080669	∞	70.9	10617.77	134476	949.3096 ng/ml
Oxycodone	2.687	6351283	7530.87	30.9	4562.47	286075	964.3097 ng/ml
Oxymorphone	1.310	1949755	4797.88	47.9	∞	73798	954.7095 ng/ml
Phentermine	3.665	1984425	4256.88	2.8	2872.52	351227	813.5641 ng/ml
Promethazine	5.472	10219985	3435.69	29.9	2028.38	413438	1017.7179 ng/ml
Quetiapine	5.380	6502912	10348.62	58.4	4171.00	83270	1010.1489 ng/ml
Sertraline	5.730	1887062	46161.13	91.4	2232.06	74625	1012.9377 ng/ml
Temazepam	5.798	7862562	194557.75	29.3	20146.35	366916	1058.3962 ng/ml
Tramadol	4.147	13049336	∞	3.2	3283.13	690792	949.0959 ng/ml
Trazodone	4.710	8421413	9878.32	78.2	313794.02	348694	1019.5181 ng/ml
Venlafaxine	4.943	12422801	∞	35.0	22737.23	608079	1013.8019 ng/ml
Zolpidem	4.510	14943589	38206.03	30.3	34740.94	793999	936.3272 ng/ml