REVIEWED
By Celena Shrum at 4:12 pm, Oct 23, 2019

10/11/2019

TS

Worklist: 3754

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2019-4169	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
M2019-4276	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2019-2771	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2019-2803	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2019-2805	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2019-2856	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2019-2889	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2019-2908	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2019-2909	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2019-2910	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2019-2911	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2019-2913	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2019-2916	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2019-2933	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2019-2936	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2019-2958	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2019-2959	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2019-2960	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ

TS

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

Extraction Date: 10/15/19
Plate lot#: Item #:IDP-111 Lot:190729

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

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

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

Pre-Analytic:

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

Analytic:

☒ 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
☒ 2. Pipette **250µL blood (calibrated pipette) Pipette ID: 3** in wells of analytical (standards) plate.
☒ 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. *Shaker ID: 067105*
☒ 4. Pipette **250µL 00.5M ammonium hydroxide** in wells of analytical plate.
☒ 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
☒ 6. Transfer **300µL of blood+base** mixture to corresponding wells of SLE+ plate.
☒ 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent).
(Load at 85-100 PSI- Selector to the right) *Manifold ID: 067104*
☒ 8. Wait 5 minutes.
☒ 9. Add **900uL ethyl acetate.**
☒ 10. Wait 5 minutes.
☒ 11. Apply positive pressure for approx. 15 seconds. ***(10-15 PSI- Selector to the left).***
☒ 12. Add **900uL ethyl acetate.**
☒ 13. Wait 5 minutes.
☒ 14. Apply positive pressure for approx. 15 seconds. ***(10-15 PSI- Selector to the left).***
☒ 15. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C.
SPE Dry ID: 067103
☒ 16. Reconstitute in **100µL 20% MeOH** and heat seal plate with foil. Place in autosampler and run worklist.

Post-Analytic

☒ 1. Create batch and process data.
Worklist path: *D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS*
Batch Name: *MDQ P1 wklst 3754 TS*
☒ 2. Make necessary changes to integration limits
☒ 3. Integration linear and R^2 values ≥0.98 for each analyte.
☒ 4. For unknown samples and controls: response ratio within 20% of average of controls and standards, RT within +/- 5% (tramadol RT +/-2%), S/N for primary transition >10 and secondary transitions >5.
☒ 5. Did all QCs pass for each analyte? Y / N _____ Add Control data to QC tracking spreadsheet.
☒ 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports.

COMMENTS: *Curves Limited: 7-aminoclonazepam 5-500, Amphetamine 5-250, Buprenorphine 0.5-50, Dihydrocodeine 5-500, Lamotrigine 5-250, Meprobamate 5-500, Methamphetamine 5-500, Metoprolol 5-500, Norbuprenorphine 1-100, Phentermine 5-500, Quetiapine 5-500*
Codeine and Dihydrocodeine calibrator 5 dropped due to split peaks.

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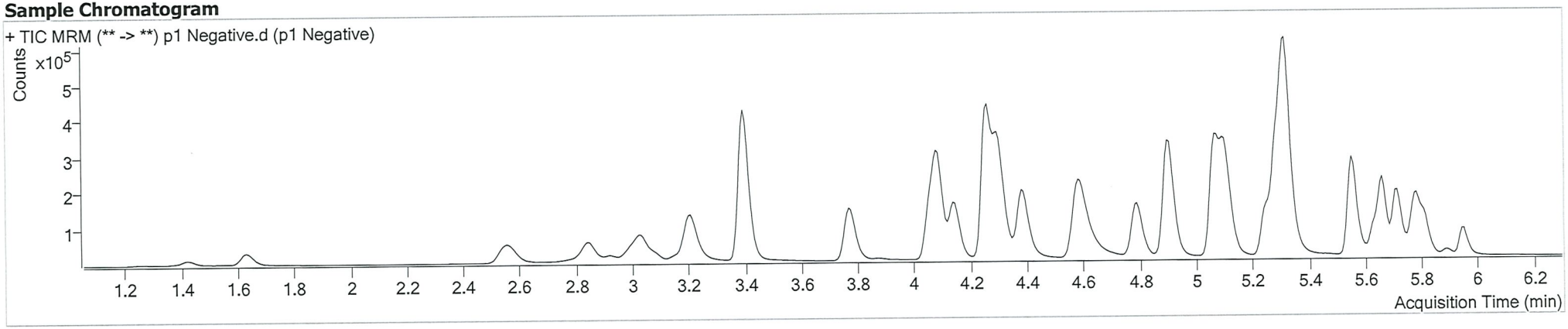
AM #28 Multi-Drug Quant. Results

Batch results	D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin
Calibration Last Update	10/16/2019 1:41:33 PM

Instrument	Falco	**Data File**	p1 Negative.d
Type	Sample	**Sample**	p1 Negative
Acq. Method	MDQ P1 Combined 092319.m	**Operator**	
Sample Position	P2-E2	**Comment**	
Injection Volume	2		
Acq. Date-Time	10/15/2019 10:13:48 PM		
Sample Info.			

Sample Chromatogram



KS

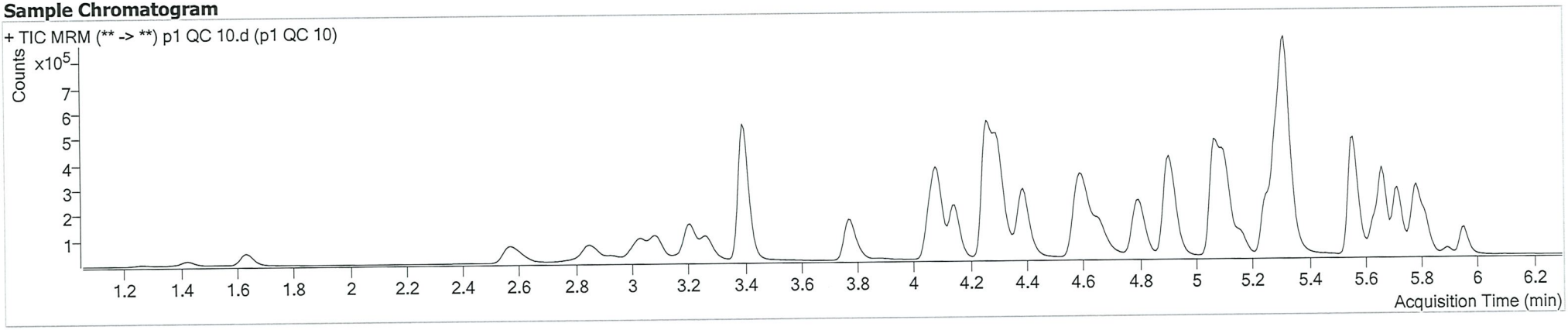
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin
Calibration Last Update 10/16/2019 1:41:33 PM

Instrument Falco
Type QC
Acq. Method MDQ P1 Combined 092319.m
Sample Position P2-A2
Injection Volume 2
Acq. Date-Time 10/15/2019 8:28:35 PM
Sample Info.

Data File p1 QC 10.d
Sample p1 QC 10
Operator
Comment

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.170	2045	698.11	72.0	4916.99	40163	1.0056 ng/ml
7-aminoclonazepam	4.278	22277	∞	81.5	1607.80	89432	10.1649 ng/ml
a-hydroxyalprazolam	5.700	1631	111.82	76.0	4297.55	9652	9.4503 ng/ml
alpha-PVP	4.398	133729	35818.76	49.4	940.34	590605	9.8854 ng/ml
Alprazolam	5.777	44985	4936.48	105.6	677.49	112469	9.7958 ng/ml
Amphetamine	3.088	145312	2881.98	59.4	3577.35	164692	9.5452 ng/ml
Benzoylecgonine	3.900	2502	1662.66	6.7	57.45	10788	9.5726 ng/ml
Buprenorphine	5.828	6132	1402.76	14.5	139.73	173457	1.0120 ng/ml
Bupropion	4.813	148300	517.39	59.3	13128.53	483760	9.6817 ng/ml
Carisoprodol	5.726	29957	1257.35	53.2	76.55	132975	10.6204 ng/ml
Citalopram	5.249	98008	2296.18	41.1	1154.73	439724	9.9825 ng/ml
Clonazepam	5.614	7826	187.66	35.4	∞	14909	9.9459 ng/ml
Cocaine	4.297	113836	9034.34	47.3	4104.21	916148	9.8988 ng/ml
Codeine	2.623	13176	105.21	102.1	244.12	52673	10.4850 ng/ml
Cyclobenzaprine	5.637	66025	2007.73	9.5	270.33	246336	9.9449 ng/ml
Dextromethorphan	5.299	54066	268.35	80.2	11005.47	244954	10.0757 ng/ml
Dextrorphan	4.147	32737	2009.78	209.9	18214.63	429063	10.3161 ng/ml
Diazepam	5.955	35576	919.41	88.1	422.23	173910	10.0168 ng/ml

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Dihydrocodeine	2.601	34508	364.21	65.6	4761.97	184340	10.3146 ng/ml
Diphenhydramine	5.327	209394	18157.62	33.4	5994.18	1587960	10.2013 ng/ml
Doxylamine	4.601	269592	13262.70	97.1	29549.32	1058632	9.8768 ng/ml
EDDP	5.291	139892	∞	43.1	244.71	752793	10.0853 ng/ml
Fentanyl	5.113	7089	703.03	69.3	19147.41	372512	1.0205 ng/ml
Fluoxetine	5.716	77782	3153.27	9.0	∞	324278	10.2662 ng/ml
Hydrocodone	3.065	30555	378.38	39.6	29.68	196789	10.3662 ng/ml
Hydromorphone	1.641	28789	1027.73	75.9	678.46	108347	9.9095 ng/ml
Ketamine	4.074	99673	35910.20	37.8	178.63	443561	10.1815 ng/ml
Lamotrigine	4.308	9010	3483.85	82.9	8245.19	443561	10.6651 ng/ml
Lorazepam	5.748	3014	132.01	58.9	38.16	14909	10.0714 ng/ml
Meprobamate	4.922	6869	8367.53	25.6	41.02	35199	9.9425 ng/ml
Methadone	5.668	109748	2563.08	55.4	4508.41	516597	9.8282 ng/ml
Methamphetamine	3.269	198364	413.34	42.9	715.88	488149	18.6873 ng/ml
Metoprolol	4.346	26123	1905.93	97.6	∞	1151248	10.6069 ng/ml
Mirtazapine	4.664	175981	3073.88	49.3	3133.19	590605	9.6367 ng/ml
Mitragynine	5.247	27216	16112.98	38.6	19771.16	516597	9.9871 ng/ml
Morphine	1.273	6410	35382.92	20.5	2292.24	6593	9.9213 ng/ml
Norbuprenorphine	5.017	116	278.16	81.6	41.33	4136	1.1123 ng/ml
Nordiazepam	5.901	11097	808.30	60.0	∞	33970	10.1960 ng/ml
Norfentanyl	4.108	15459	2582.68	36.9	84.76	698688	0.9999 ng/ml
Norhydrocodone	3.100	1065	94.87	29.8	26.69	48896	9.2847 ng/ml
Noroxycodone	2.943	21605	1275.64	48.0	284.68	60947	10.1893 ng/ml
O-desmethyl-tramadol	3.401	226541	15619.63	6.1	906.32	1219704	10.1318 ng/ml
Oxazepam	5.758	3338	21.35	73.0	15.21	21366	10.2820 ng/ml
Oxycodone	2.874	57665	771.32	31.7	1132.54	248283	10.4440 ng/ml
Oxymorphone	1.430	13147	222.49	50.4	∞	47406	9.6072 ng/ml
Phentermine	3.805	41888	653.69	2.4	31.29	475708	10.7155 ng/ml
Promethazine	5.562	155601	5067.75	30.9	1314.75	692002	9.9928 ng/ml
Quetiapine	5.565	131518	1091.08	60.2	12846.79	163815	10.6486 ng/ml
Sertraline	5.791	49511	520.00	89.1	1955.46	210787	9.9966 ng/ml
Temazepam	5.818	37228	359.74	31.6	27.89	194058	10.4073 ng/ml
Tramadol	4.273	236952	2843.70	3.2	79.36	1151248	10.6614 ng/ml
Trazodone	5.160	125125	2770.43	79.3	8793.84	498734	9.9587 ng/ml
Venlafaxine	5.067	178148	589.55	35.6	443.60	991557	10.1219 ng/ml
Zolpidem	4.925	199603	411.34	32.0	11235.87	951325	10.1197 ng/ml

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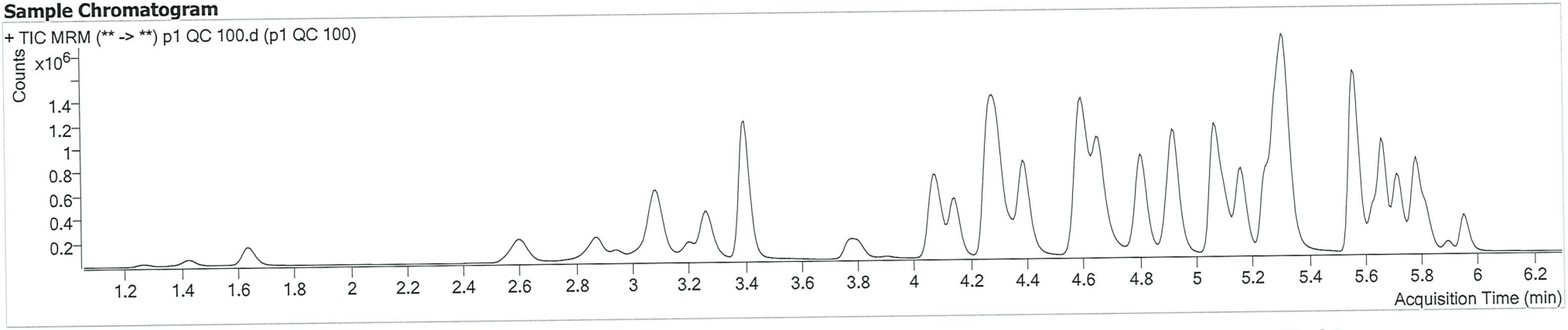
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin
Calibration Last Update 10/16/2019 1:41:33 PM

Instrument Falco
Type QC
Acq. Method MDQ P1 Combined 092319.m
Sample Position P2-B2
Injection Volume 2
Acq. Date-Time 10/15/2019 8:49:38 PM
Sample Info.

Data File p1 QC 100.d
Sample p1 QC 100
Operator
Comment

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.163	17800	32188.98	71.5	21554.25	36613	9.8257 ng/ml
7-aminoclonazepam	4.278	168439	∞	82.3	27874.66	75416	102.7904 ng/ml
a-hydroxyalprazolam	5.700	14885	158.45	73.3	1106.46	8639	97.6284 ng/ml
alpha-PVP	4.398	1195040	292598.08	49.8	21158.16	542384	97.8444 ng/ml
Alprazolam	5.777	382089	6610.56	106.1	1928.34	96073	99.2959 ng/ml
Amphetamine	3.088	1099116	19216.47	59.0	30079.80	150083	89.1571 ng/ml
Benzoylecgonine	3.900	20081	2267.59	7.3	16.59	9881	99.9965 ng/ml
Buprenorphine	5.828	50658	3743.81	16.2	1278.95	146498	10.0248 ng/ml
Bupropion	4.813	1313405	601334.83	58.8	33234.31	436894	106.9133 ng/ml
Carisoprodol	5.726	235581	∞	54.6	926.92	111245	100.7222 ng/ml
Citalopram	5.249	821000	22847.84	41.3	1147.33	380624	99.6786 ng/ml
Clonazepam	5.614	71436	1070.02	32.7	2426.06	13862	102.0590 ng/ml
Cocaine	4.297	989238	430272.75	46.3	97256.87	810572	96.4106 ng/ml
Codeine	2.617	109025	6426.73	101.7	442.06	47472	112.4374 ng/ml
Cyclobenzaprine	5.637	568116	534521.16	9.6	∞	215121	99.4520 ng/ml
Dextromethorphan	5.299	442375	58235.87	79.2	34292.56	206114	98.0204 ng/ml
Dextrorphan	4.147	290798	65899.60	210.1	200043.59	385572	102.1722 ng/ml
Diazepam	5.955	296551	858.02	90.1	3407.20	152113	98.0837 ng/ml

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AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Dihydrocodeine	2.595	296822	11782.31	66.5	650.12	174197	103.0892 ng/ml
Diphenhydramine	5.320	1772120	69822.48	32.9	32149.85	1378020	96.5240 ng/ml
Doxylamine	4.594	2469429	8713.49	96.7	3377.20	1012450	100.4063 ng/ml
EDDP	5.291	1234985	739.40	42.8	38817.95	694067	97.6705 ng/ml
Fentanyl	5.113	64010	139706.37	71.3	994.16	347905	9.8632 ng/ml
Fluoxetine	5.716	669335	22937.03	8.5	36224.50	284253	100.5934 ng/ml
Hydrocodone	3.058	264123	224.25	39.8	∞	192598	97.0592 ng/ml
Hydromorphone	1.641	252676	1921.92	75.9	2440.58	95731	102.9810 ng/ml
Ketamine	4.074	886736	31246.60	38.3	11385.47	410528	104.5160 ng/ml
Lamotrigine	4.308	72046	20911.43	81.2	3256.82	410528	101.4183 ng/ml
Lorazepam	5.748	27068	458.31	53.1	229.45	13862	89.5652 ng/ml
Meprobamate	4.922	57037	21921.72	25.6	2159.53	31878	95.3250 ng/ml
Methadone	5.668	997739	1151.74	53.0	1273.99	462521	97.5558 ng/ml
Methamphetamine	3.262	969920	21430.28	43.0	1240.59	459694	103.6212 ng/ml
Metoprolol	4.346	212749	355078.96	97.5	∞	1046366	106.2911 ng/ml
Mirtazapine	4.657	1542083	178609.54	49.5	222428.24	542384	101.2651 ng/ml
Mitragynine	5.247	234771	20091.94	39.5	237388.35	462521	106.4003 ng/ml
Morphine	1.273	52592	68621.59	20.9	3657.89	5692	100.6755 ng/ml
Norbuprenorphine	5.024	853	70.84	80.9	84.57	3929	9.5360 ng/ml
Nordiazepam	5.901	95681	1314.39	57.3	∞	30449	101.6154 ng/ml
Norfentanyl	4.108	136096	12331.19	36.9	2378.41	629784	9.3445 ng/ml
Norhydrocodone	3.106	10940	939.03	36.8	224.60	45771	87.3743 ng/ml
Noroxycodone	2.943	186232	716.41	48.7	2557.10	54789	102.8108 ng/ml
O-desmethyl-tramadol	3.401	2039593	∞	6.2	9145.04	1125676	101.5742 ng/ml
Oxazepam	5.758	30442	388.46	76.0	403.92	20853	98.0841 ng/ml
Oxycodone	2.874	525952	4748.48	31.2	19786.15	234848	106.1780 ng/ml
Oxymorphone	1.430	113906	∞	47.4	937.32	43355	96.9846 ng/ml
Phentermine	3.805	337759	3465.43	2.3	519.00	432919	106.2948 ng/ml
Promethazine	5.562	1358901	1628.95	30.5	822.39	613676	99.5252 ng/ml
Quetiapine	5.565	1100294	1525.22	59.1	91424.43	146908	106.2794 ng/ml
Sertraline	5.791	382026	9417.78	90.6	3093.71	170393	96.6600 ng/ml
Temazepam	5.818	327746	22974.42	29.6	758.04	174019	102.5217 ng/ml
Tramadol	4.273	2019924	119744.25	3.4	463.42	1046366	110.3138 ng/ml
Trazodone	5.160	1128988	238107.17	77.8	90014.67	465516	101.1876 ng/ml
Venlafaxine	5.067	1579078	1907.96	35.7	∞	909563	96.3662 ng/ml
Zolpidem	4.925	1822580	45794.32	30.8	33836.08	892393	104.8125 ng/ml

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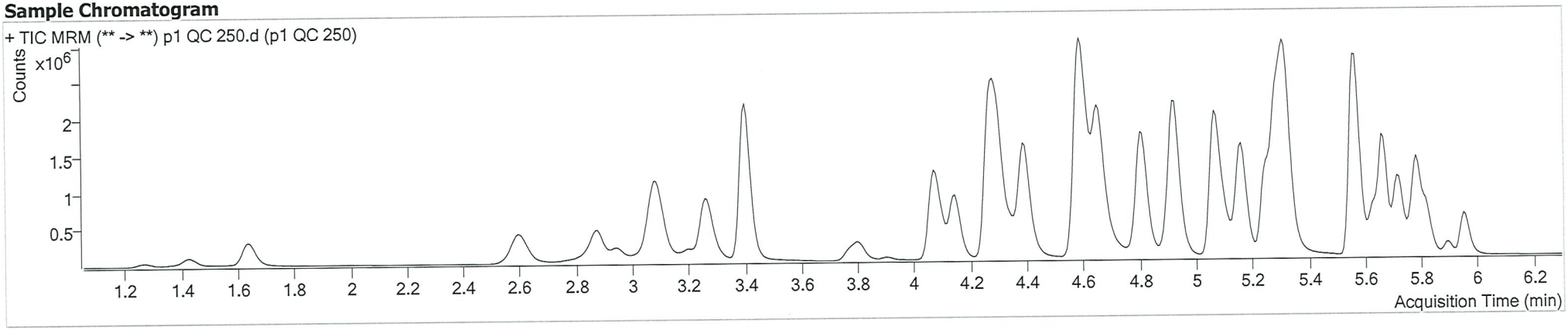
AM #28 Multi-Drug Quant. Results

Batch results	D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin
Calibration Last Update	10/16/2019 1:41:33 PM

Instrument	Falco	**Data File**	p1 QC 250.d
Type	QC	**Sample**	p1 QC 250
Acq. Method	MDQ P1 Combined 092319.m	**Operator**	
Sample Position	P2-C2	**Comment**	
Injection Volume	2		
Acq. Date-Time	10/15/2019 9:10:42 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.163	42401	∞	72.6	4146.06	34412	24.9433 ng/ml
7-aminoclonazepam	4.278	305178	∞	80.6	∞	62784	225.4255 ng/ml
a-hydroxyalprazolam	5.700	37598	505.27	72.3	325.79	8798	242.3498 ng/ml
alpha-PVP	4.398	2682828	197651.93	50.1	38009.56	483194	246.8528 ng/ml
Alprazolam	5.777	835118	5440.75	105.3	4124.08	83591	249.7536 ng/ml
Amphetamine	3.088	2311496	61101.34	53.3	132162.13	132797	213.7803 ng/ml
Benzoylecgonine	3.907	50972	9557.25	7.7	646.96	9900	256.5284 ng/ml
Buprenorphine	5.835	98616	2963.25	16.4	5231.01	108810	26.2980 ng/ml
Bupropion	4.813	2885048	380485.71	59.0	1253.89	388460	266.1276 ng/ml
Carisoprodol	5.733	488259	∞	53.9	2675.83	92236	251.9355 ng/ml
Citalopram	5.249	1665126	546.22	40.8	565.52	307896	250.4514 ng/ml
Clonazepam	5.614	169148	42519.50	32.5	∞	13844	242.6623 ng/ml
Cocaine	4.297	2186564	371613.41	46.2	235140.57	697479	247.5097 ng/ml
Codeine	2.617	235121	16838.35	101.1	255.32	42262	275.1883 ng/ml
Cyclobenzaprine	5.637	1141653	278364.08	9.7	14288.08	170746	252.0458 ng/ml
Dextromethorphan	5.299	832793	66891.68	79.5	50063.36	154576	246.0616 ng/ml
Dextrorphan	4.147	637415	70152.88	211.0	4851.82	338559	255.0889 ng/ml
Diazepam	5.955	651779	∞	88.7	16921.68	131423	249.9862 ng/ml

F

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Dihydrocodeine	2.595	667796	26818.03	65.9	46247.25	165517	245.6487 ng/ml
Diphenhydramine	5.320	3528627	519502.73	33.1	44349.64	1080967	244.4932 ng/ml
Doxylamine	4.588	5789641	9971.68	96.6	22919.00	941553	254.1607 ng/ml
EDDP	5.284	2647874	150618.11	43.3	38975.91	592050	245.6892 ng/ml
Fentanyl	5.113	135933	16665.61	70.3	∞	288478	25.2600 ng/ml
Fluoxetine	5.716	1290338	42632.28	8.7	8552.85	218870	251.8212 ng/ml
Hydrocodone	3.058	641043	112.42	38.1	∞	176183	258.6790 ng/ml
Hydromorphone	1.641	577849	∞	75.3	2858.76	91312	247.6163 ng/ml
Ketamine	4.074	2018645	143519.37	38.3	22911.00	383739	255.6477 ng/ml
Lamotrigine	4.308	139222	4165.40	81.7	22043.65	383739	210.9572 ng/ml
Lorazepam	5.748	70318	2076.17	55.0	118.89	13844	231.5515 ng/ml
Meprobamate	4.922	122419	39683.57	24.9	3037.97	29222	223.8821 ng/ml
Methadone	5.668	2055070	84144.27	52.4	32832.09	373938	248.1598 ng/ml
Methamphetamine	3.262	2099575	25593.79	43.3	1173.07	425769	244.2828 ng/ml
Metoprolol	4.346	426429	100227.20	97.9	∞	938137	239.3717 ng/ml
Mirtazapine	4.657	3334101	67130.95	49.1	10122.85	483194	247.3186 ng/ml
Mitragynine	5.247	482279	34336.07	38.8	1266556.25	373938	272.1664 ng/ml
Morphine	1.273	114424	788.85	20.3	235.17	5048	248.0762 ng/ml
Norbuprenorphine	5.024	1948	63.91	81.7	212.97	3351	25.7580 ng/ml
Nordiazepam	5.901	217537	953.84	57.0	9488.72	27550	255.9595 ng/ml
Norfentanyl	4.108	307817	67366.91	37.2	5128.94	539765	24.5810 ng/ml
Norhydrocodone	3.106	26737	211.03	36.0	826.00	40440	239.1299 ng/ml
Noroxycodone	2.943	410524	1938.13	49.4	851.11	49600	251.1962 ng/ml
O-desmethyl-tramadol	3.401	4766540	426395.32	6.1	∞	1032859	259.1949 ng/ml
Oxazepam	5.758	80937	297.91	72.3	670.05	21865	249.0687 ng/ml
Oxycodone	2.874	1264348	8248.68	31.1	18897.53	228645	263.0978 ng/ml
Oxymorphone	1.430	270185	696.08	47.6	∞	38176	262.4434 ng/ml
Phentermine	3.805	676482	∞	2.2	560.58	386530	240.2387 ng/ml
Promethazine	5.556	2742620	135984.71	30.0	92923.64	491684	250.8975 ng/ml
Quetiapine	5.565	2274647	3100.41	58.9	703832.30	130356	248.7176 ng/ml
Sertraline	5.791	682648	22962.31	90.7	62661.05	118842	247.8720 ng/ml
Temazepam	5.818	760982	1900.84	29.6	278.17	156641	264.5125 ng/ml
Tramadol	4.267	4374419	2004.45	3.5	∞	938137	268.2037 ng/ml
Trazodone	5.160	2462432	244017.07	77.8	233764.53	413728	249.1511 ng/ml
Venlafaxine	5.067	3573108	2181.76	35.2	1422.57	800519	247.4973 ng/ml
Zolpidem	4.925	4236825	173582.29	30.2	344555.78	850526	256.6833 ng/ml

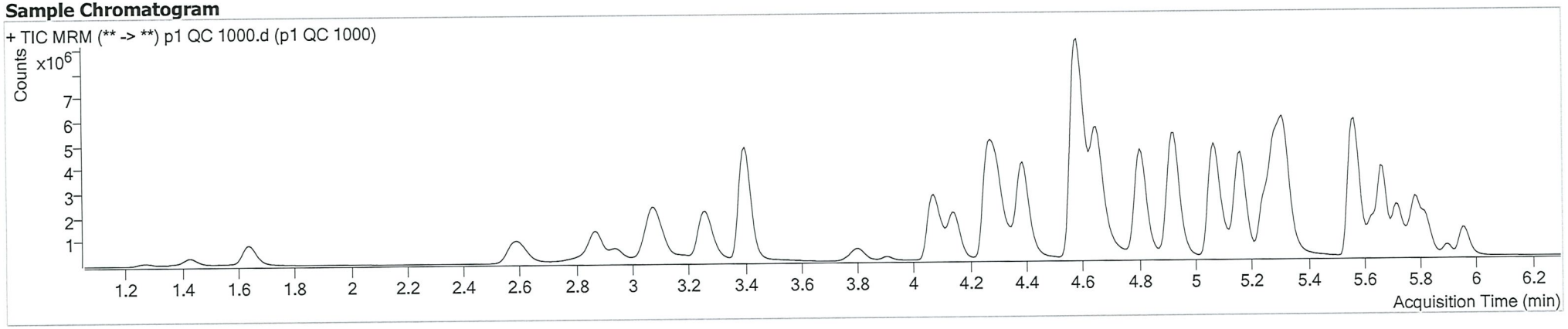
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin
Calibration Last Update 10/16/2019 1:41:33 PM

Instrument Falco
Type QC
Acq. Method MDQ P1 Combined 092319.m
Sample Position P2-D2
Injection Volume 2
Acq. Date-Time 10/15/2019 9:31:45 PM
Sample Info.

Data File p1 QC 1000.d
Sample p1 QC 1000
Operator
Comment

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
6-MAM	3.163	143029	∞	70.3	42824.51	27196	106.5500 ng/ml	
~~7-aminoclonazepam~~	~~4.278~~	~~407032~~	~~28469.51~~	~~82.0~~	~~303151.14~~	~~31720~~	~~597.5148 ng/ml~~	outside curve range. TS
a-hydroxyalprazolam	5.700	131824	4219.40	72.0	455.59	7586	985.8812 ng/ml	
alpha-PVP	4.391	7841879	508089.82	50.0	479963.35	350137	996.3192 ng/ml	
Alprazolam	5.777	2005288	908.91	103.5	3498.27	47450	1057.1677 ng/ml	
~~Amphetamine~~	~~3.081~~	~~4941102~~	~~50830.95~~	~~53.0~~	~~71719.43~~	~~103766~~	~~587.1964 ng/ml~~	outside curve range T
Benzoylecgonine	3.900	217923	39161.35	7.8	∞	10069	1085.0432 ng/ml	
~~Buprenorphine~~	~~5.835~~	~~218435~~	~~36071.51~~	~~16.0~~	~~27986.44~~	~~46470~~	~~136.4547 ng/ml~~	outside curve range TS
Bupropion	4.807	8315735	862214.84	58.7	319677.96	302313	989.3329 ng/ml	
Carisoprodol	5.733	1042715	65484.09	53.4	8812.42	46555	1066.3068 ng/ml	
Citalopram	5.249	3636347	∞	41.3	40219.45	169951	991.9306 ng/ml	
Clonazepam	5.614	455722	14791.90	32.6	64385.23	10088	898.5141 ng/ml	
Cocaine	4.297	5537392	311704.28	45.7	167930.42	441604	989.7204 ng/ml	
Codeine	2.610	627023	2105.08	100.5	599.00	30371	1026.5600 ng/ml	
Cyclobenzaprine	5.637	2740236	220781.85	9.4	13783.81	99043	1043.4621 ng/ml	
Dextromethorphan	5.299	1600363	230188.62	79.1	132059.32	73873	989.4340 ng/ml	
Dextrorphan	4.147	1719455	49544.17	211.4	115964.91	229436	1015.4585 ng/ml	
Diazepam	5.961	1638645	49354.57	87.3	∞	86339	957.5483 ng/ml	

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
Dihydrocodeine	2.581	1888503	450.63	66.0	40073.62	145236	794.2137	ng/ml
Diphenhydramine	5.320	8156504	413809.27	33.1	27584.59	618992	985.9163	ng/ml
Doxylamine	4.581	18595462	∞	95.6	668550.15	793537	970.4964	ng/ml
EDDP	5.284	7524573	177490.49	42.5	455787.26	412950	1001.3889	ng/ml
Fentanyl	5.113	406201	72890.04	73.6	7603.33	201293	108.1747	ng/ml
Fluoxetine	5.716	2725197	211891.23	8.6	106856.22	116193	1001.7677	ng/ml
Hydrocodone	3.052	1943938	255.73	40.4	270.09	152149	910.1106	ng/ml
Hydromorphone	1.641	1732608	∞	72.1	∞	69160	981.7575	ng/ml
Ketamine	4.074	5701355	6498.99	38.1	4954.84	303664	914.4199	ng/ml
Lamotrigine	4.308	228933	162883.27	80.4	44877.66	303664	439.6765	ng/ml
Lorazepam	5.748	259519	∞	56.2	636.00	10088	1169.0892	ng/ml
Meprobamate	4.929	253604	23799.22	24.8	7744.93	20469	663.1139	ng/ml
Methadone	5.668	5378193	161421.33	51.9	77483.44	244622	992.0282	ng/ml
Methamphetamine	3.262	5720079	78433.56	42.9	39134.74	390720	728.3182	ng/ml
Metoprolol	4.346	957651	126825.76	98.0	∞	697552	725.8283	ng/ml
Mirtazapine	4.650	9594247	∞	49.3	278703.12	350137	985.3761	ng/ml
Mitragynine	5.247	1197101	88242.79	39.9	74644.08	244622	1035.9869	ng/ml
Morphine	1.273	310594	4313.38	20.8	190.14	3793	897.9893	ng/ml
Norbuprenorphine	5.024	5799	111.17	78.3	130.85	2830	91.1398	ng/ml
Nordiazepam	5.901	621246	12782.56	57.7	11488.75	20191	998.5981	ng/ml
Norfentanyl	4.108	945231	∞	37.8	22027.14	355931	114.2922	ng/ml
Norhydrocodone	3.100	85759	649.24	37.3	571.46	27091	1139.4242	ng/ml
Noroxycodone	2.943	1195199	7477.37	48.4	487.69	35782	1015.5591	ng/ml
O-desmethyl-tramadol	3.401	13511664	457327.97	6.1	68440.83	745094	1019.4183	ng/ml
Oxazepam	5.751	319972	655.03	71.3	3964.91	22218	969.7240	ng/ml
Oxycodone	2.868	4310889	11726.41	31.1	8755.59	202888	1012.7368	ng/ml
Oxymorphone	1.430	856947	812.07	47.1	∞	32835	969.6911	ng/ml
Phentermine	3.805	1658091	1482.25	2.2	1372.05	316123	722.8686	ng/ml
Promethazine	5.556	6718427	517604.93	29.9	∞	300425	1006.2663	ng/ml
Quetiapine	5.571	5407820	429961.92	59.8	357847.05	97147	795.2723	ng/ml
Sertraline	5.791	1188132	113463.37	90.8	683483.89	51391	998.1018	ng/ml
Temazepam	5.825	2279408	29826.19	30.0	10493.92	118295	1049.2544	ng/ml
Tramadol	4.267	11029691	∞	3.4	1840.83	697552	912.4328	ng/ml
Trazodone	5.160	7408234	475804.96	77.8	∞	339067	916.1420	ng/ml
Venlafaxine	5.067	10370280	3752.36	35.4	14256.85	581550	988.2803	ng/ml
Zolpidem	4.925	12170549	∞	30.4	106456.13	714917	878.9464	ng/ml

TS

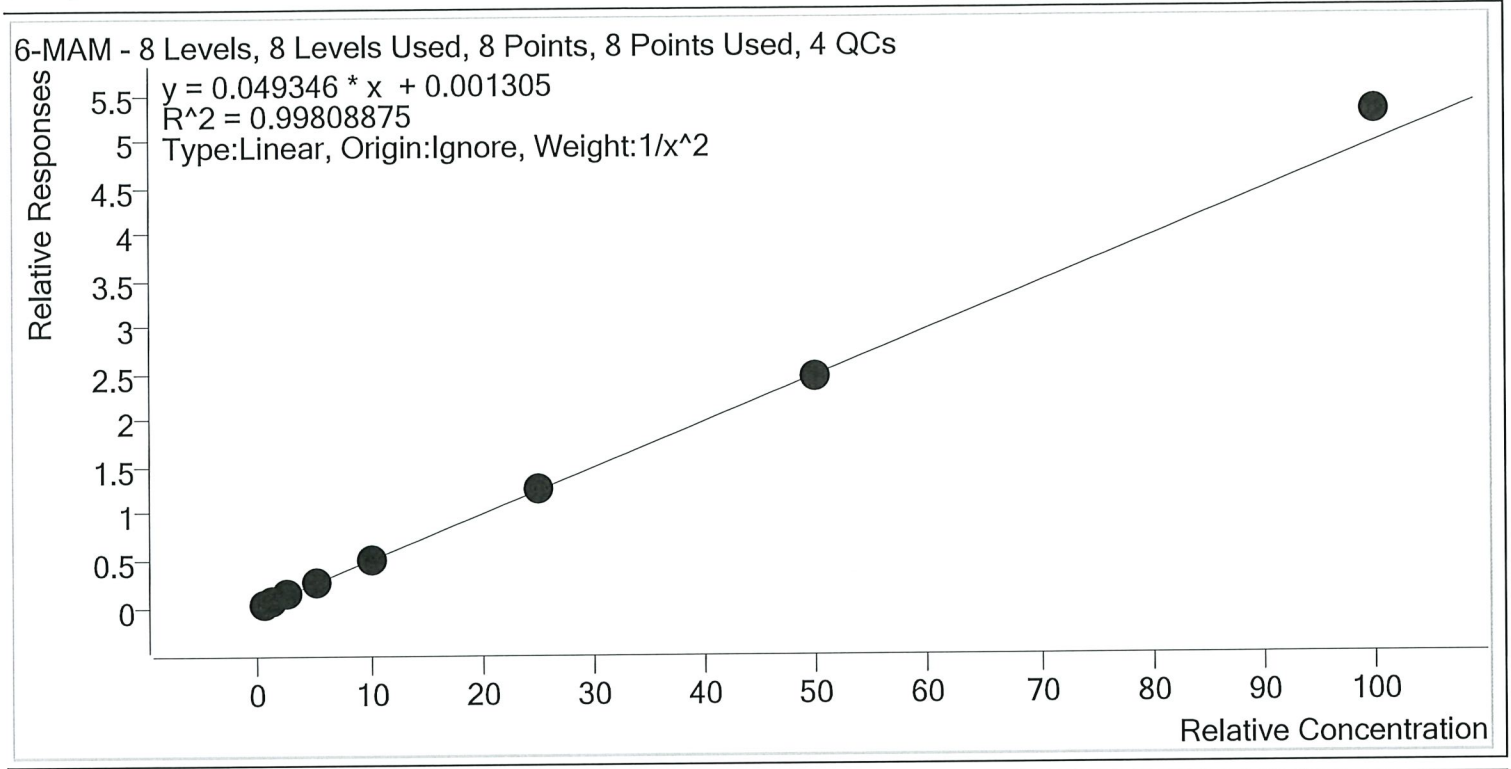
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin

Last Cal. Update 10/16/2019 1:41 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	103.3
p1 Cal 2- 10ng	2	✓	1.0	0.9	94.8
p1 Cal 3 -25ng	3	✓	2.5	2.4	97.7
p1 Cal 4-50ng	4	✓	5.0	4.9	98.0
p1 Cal 5-100ng	5	✓	10.0	9.9	99.0
p1 Cal 6-250ng	6	✓	25.0	25.5	101.8
p1 Cal 7-500ng_r	7	✓	50.0	49.3	98.5
p1 Cal 8-1000ng	8	✓	100.0	106.9	106.9

TS

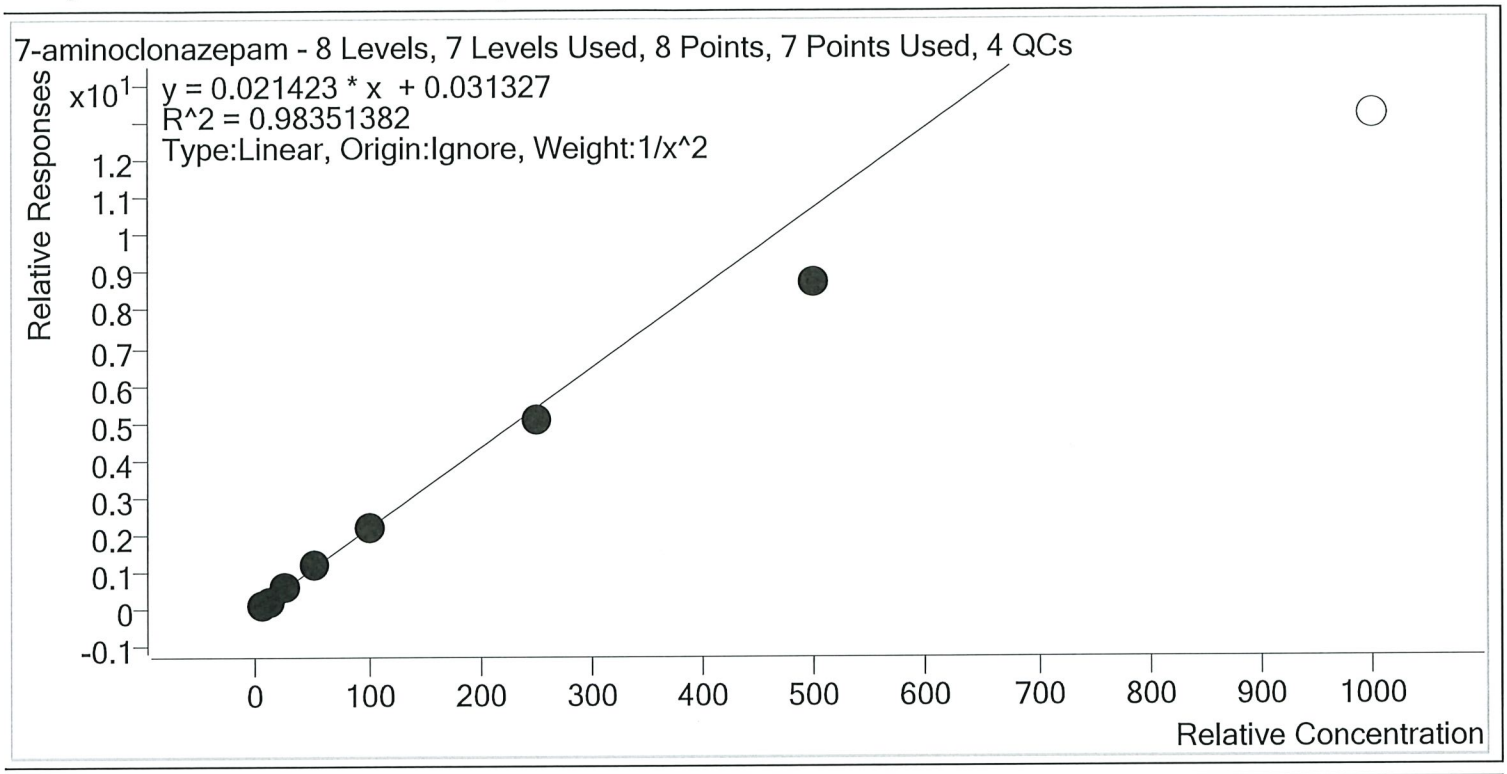
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin

Last Cal. Update 10/16/2019 1:41 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	4.7	94.4
p1 Cal 2- 10ng	2	✓	10.0	10.5	104.7
p1 Cal 3 -25ng	3	✓	25.0	27.7	111.0
p1 Cal 4-50ng	4	✓	50.0	56.3	112.6
p1 Cal 5-100ng	5	✓	100.0	102.3	102.3
p1 Cal 6-250ng	6	✓	250.0	233.2	93.3
p1 Cal 7-500ng_r	7	✓	500.0	408.5	81.7
p1 Cal 8-1000ng	8	×	1000.0	614.1	61.4

TS

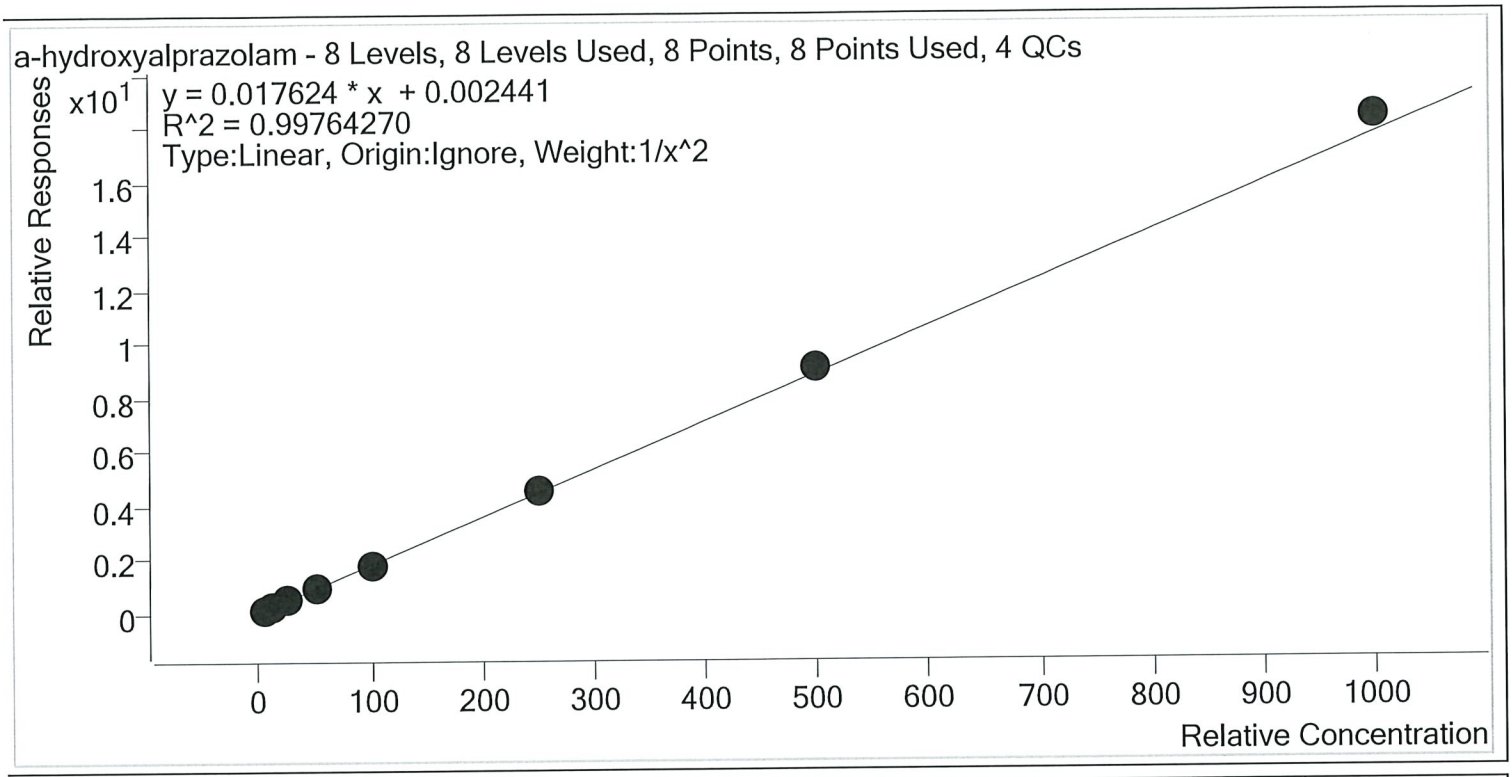
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin

Last Cal. Update 10/16/2019 1:41 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	5.2	104.6
p1 Cal 2- 10ng	2	✓	10.0	9.2	92.1
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.9
p1 Cal 4-50ng	4	✓	50.0	49.9	99.8
p1 Cal 5-100ng	5	✓	100.0	97.9	97.9
p1 Cal 6-250ng	6	✓	250.0	254.6	101.8
p1 Cal 7-500ng_r	7	✓	500.0	515.5	103.1
p1 Cal 8-1000ng	8	✓	1000.0	1037.8	103.8

TS

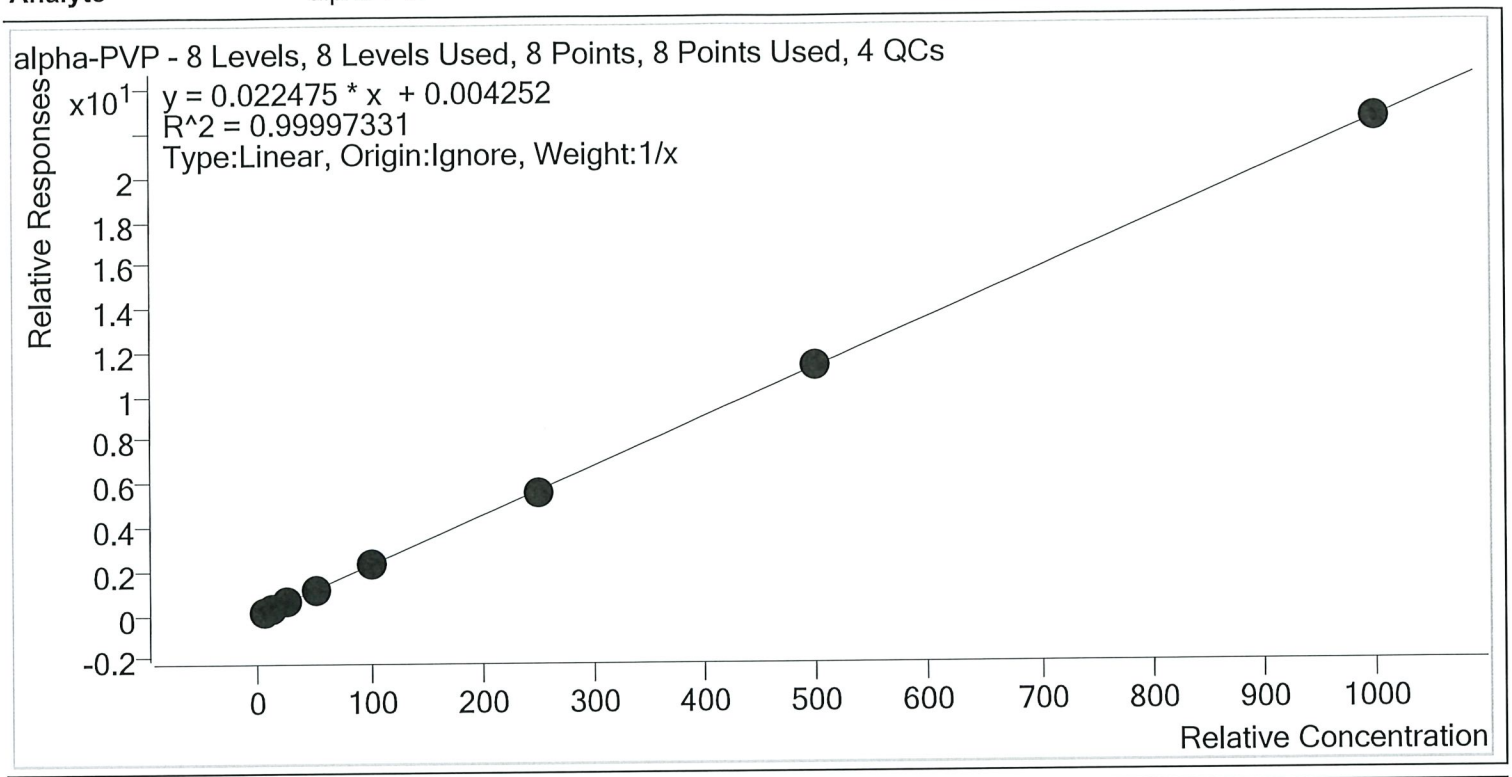
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin

Last Cal. Update 10/16/2019 1:41 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	5.1	101.3
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.6
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.7
p1 Cal 4-50ng	4	✓	50.0	50.5	101.0
p1 Cal 5-100ng	5	✓	100.0	98.4	98.4
p1 Cal 6-250ng	6	✓	250.0	248.9	99.6
p1 Cal 7-500ng_r	7	✓	500.0	502.4	100.5
p1 Cal 8-1000ng	8	✓	1000.0	999.9	100.0

TS

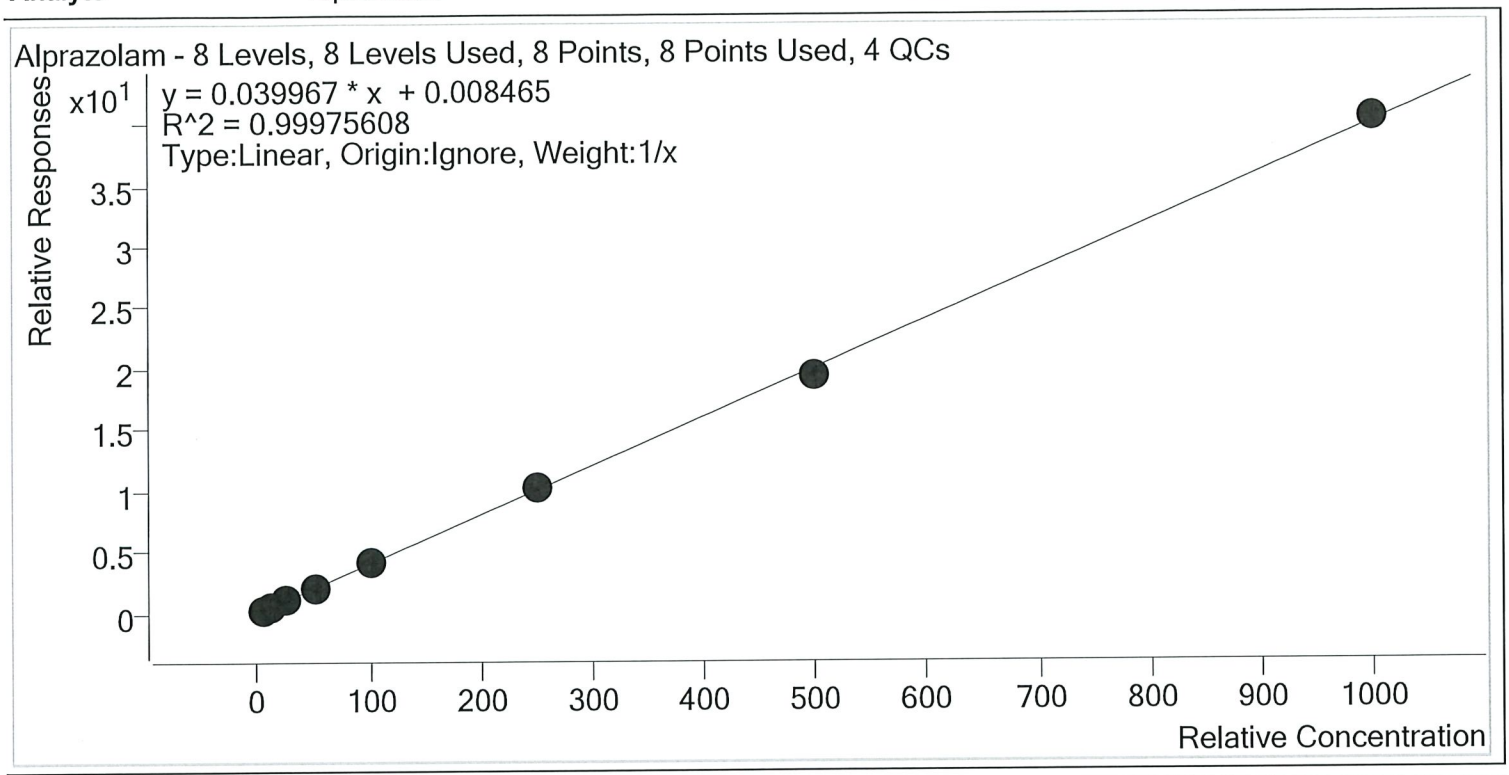
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin

Last Cal. Update 10/16/2019 1:41 PM

Analyst Name ISP\datastor

Analyte Alprazolam **Internal Standard** Alprazolam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.7
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.7
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.2
p1 Cal 4-50ng	4	✓	50.0	50.5	100.9
p1 Cal 5-100ng	5	✓	100.0	99.8	99.8
p1 Cal 6-250ng	6	✓	250.0	253.1	101.2
p1 Cal 7-500ng_r	7	✓	500.0	487.6	97.5
p1 Cal 8-1000ng	8	✓	1000.0	1009.0	100.9

TS

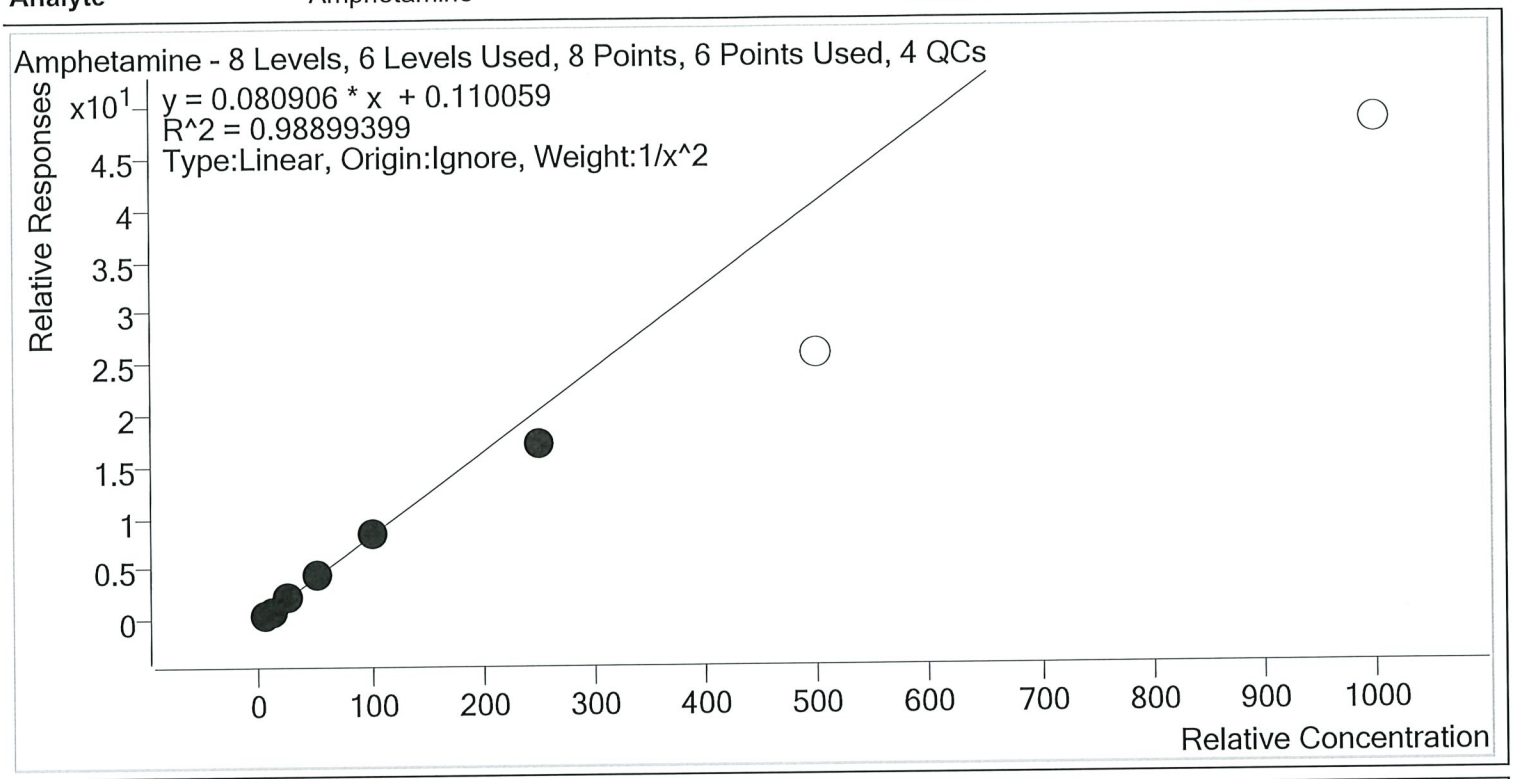
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin

Last Cal. Update 10/16/2019 1:41 PM

Analyst Name ISP\datastor

Analyte Amphetamine **Internal Standard** Amphetamine-D11



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.3
p1 Cal 2- 10ng	2	✓	10.0	10.4	104.1
p1 Cal 3 -25ng	3	✓	25.0	26.6	106.2
p1 Cal 4-50ng	4	✓	50.0	52.8	105.5
p1 Cal 5-100ng	5	✓	100.0	103.8	103.8
p1 Cal 6-250ng	6	✓	250.0	210.1	84.0
p1 Cal 7-500ng_r	7	×	500.0	319.2	63.8
p1 Cal 8-1000ng	8	×	1000.0	594.6	59.5

TS

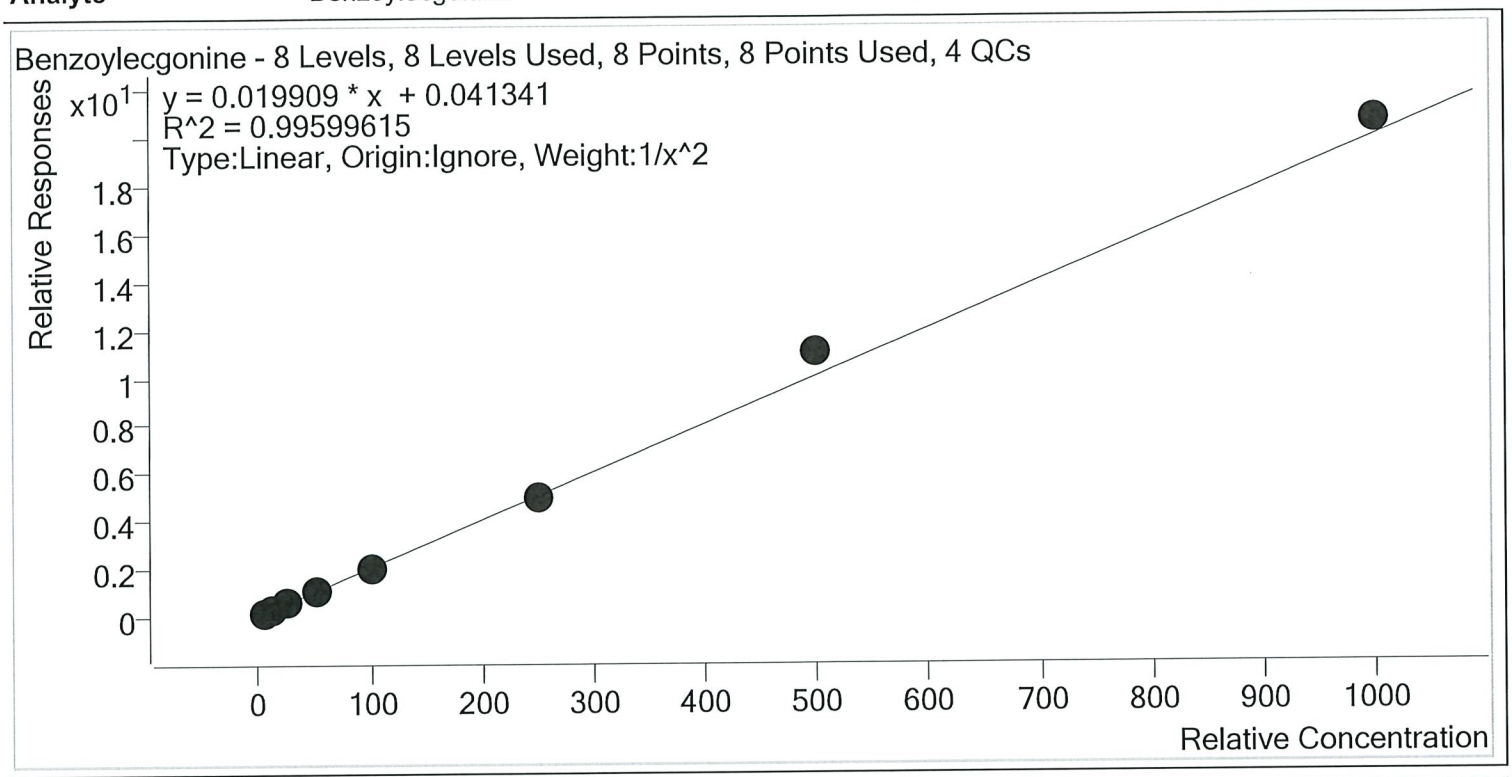
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin

Last Cal. Update 10/16/2019 1:41 PM

Analyst Name ISP\datastor

Analyte Benzoylecgonine **Internal Standard** Benzoylecgonine-d8



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.8
p1 Cal 2- 10ng	2	✓	10.0	9.7	97.5
p1 Cal 3 -25ng	3	✓	25.0	23.4	93.8
p1 Cal 4-50ng	4	✓	50.0	49.4	98.8
p1 Cal 5-100ng	5	✓	100.0	94.4	94.4
p1 Cal 6-250ng	6	✓	250.0	246.5	98.6
p1 Cal 7-500ng_r	7	✓	500.0	553.1	110.6
p1 Cal 8-1000ng	8	✓	1000.0	1034.4	103.4

TS

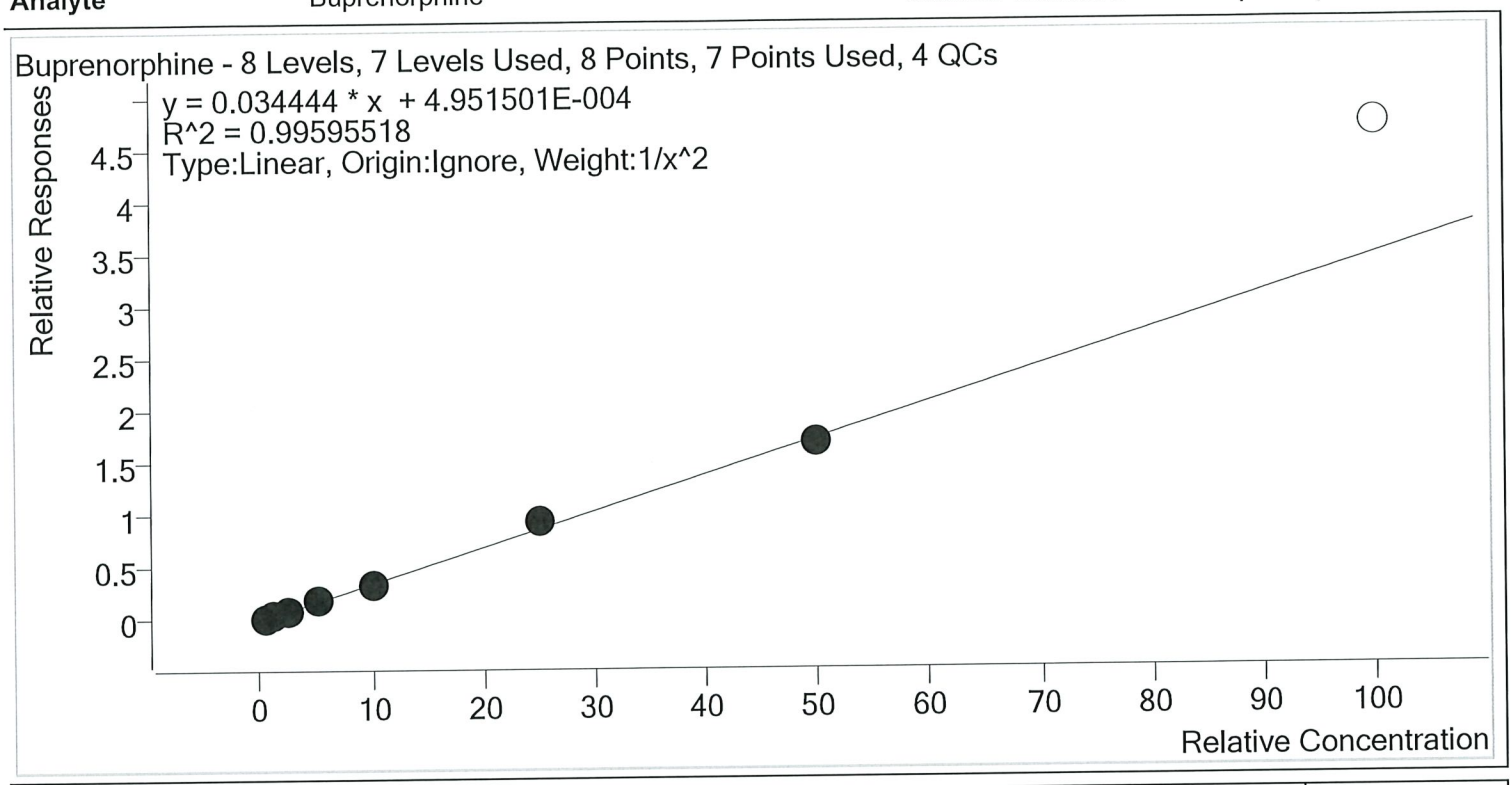
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin

Last Cal. Update 10/16/2019 1:41 PM

Analyst Name ISP\datastor

Analyte Buprenorphine **Internal Standard** Buprenorphine-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	102.8
p1 Cal 2- 10ng	2	✓	1.0	1.0	95.8
p1 Cal 3 -25ng	3	✓	2.5	2.4	96.0
p1 Cal 4-50ng	4	✓	5.0	5.1	102.0
p1 Cal 5-100ng	5	✓	10.0	9.5	95.0
p1 Cal 6-250ng	6	✓	25.0	27.5	110.0
p1 Cal 7-500ng_r	7	✓	50.0	49.2	98.4
p1 Cal 8-1000ng	8	×	100.0	136.6	136.6

TB

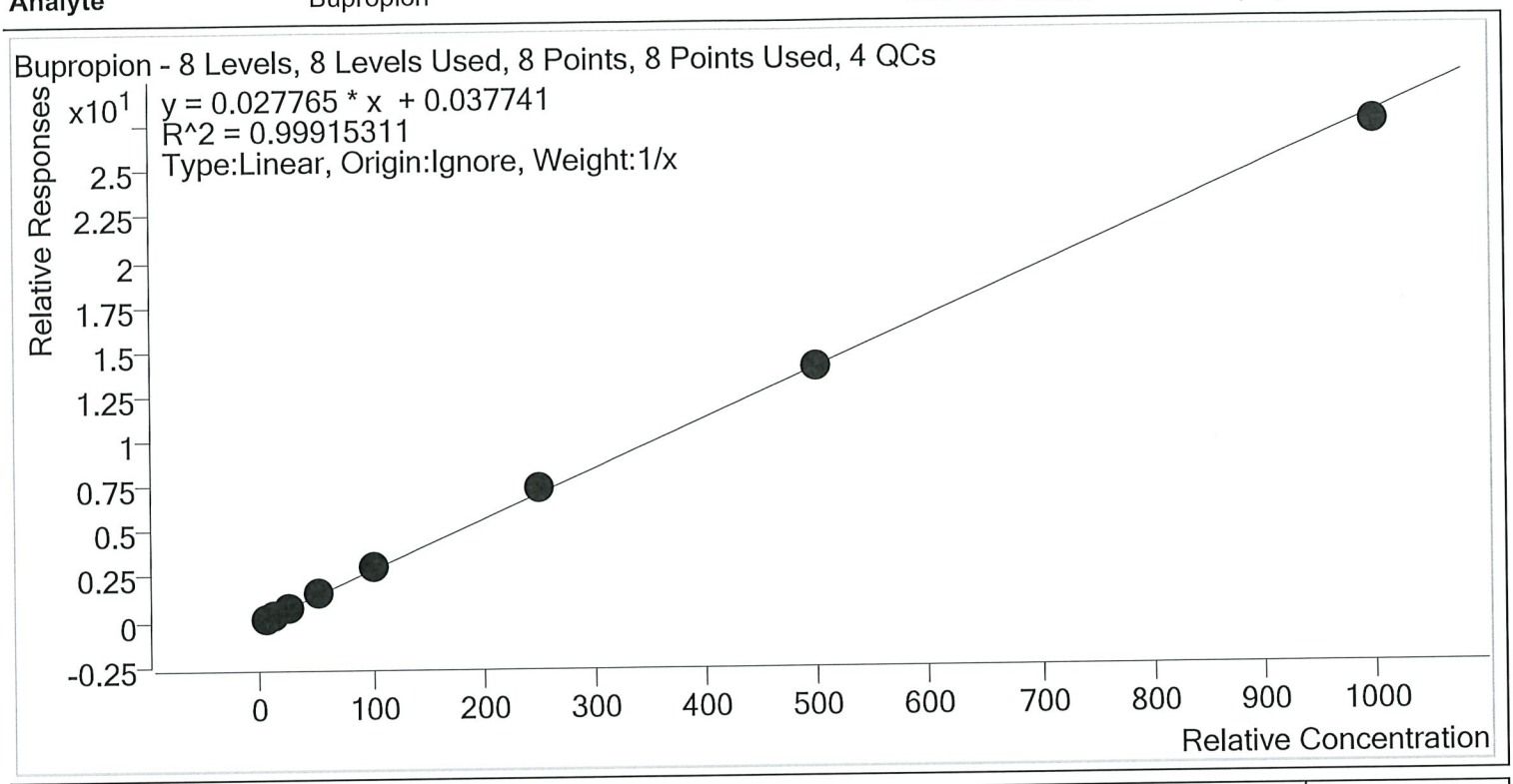
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin

Last Cal. Update 10/16/2019 1:41 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	4.4	87.7
p1 Cal 2- 10ng	2	✓	10.0	9.7	96.7
p1 Cal 3 -25ng	3	✓	25.0	25.7	102.8
p1 Cal 4-50ng	4	✓	50.0	52.9	105.9
p1 Cal 5-100ng	5	✓	100.0	103.6	103.6
p1 Cal 6-250ng	6	✓	250.0	263.6	105.4
p1 Cal 7-500ng_r	7	✓	500.0	499.0	99.8
p1 Cal 8-1000ng	8	✓	1000.0	981.2	98.1

TS

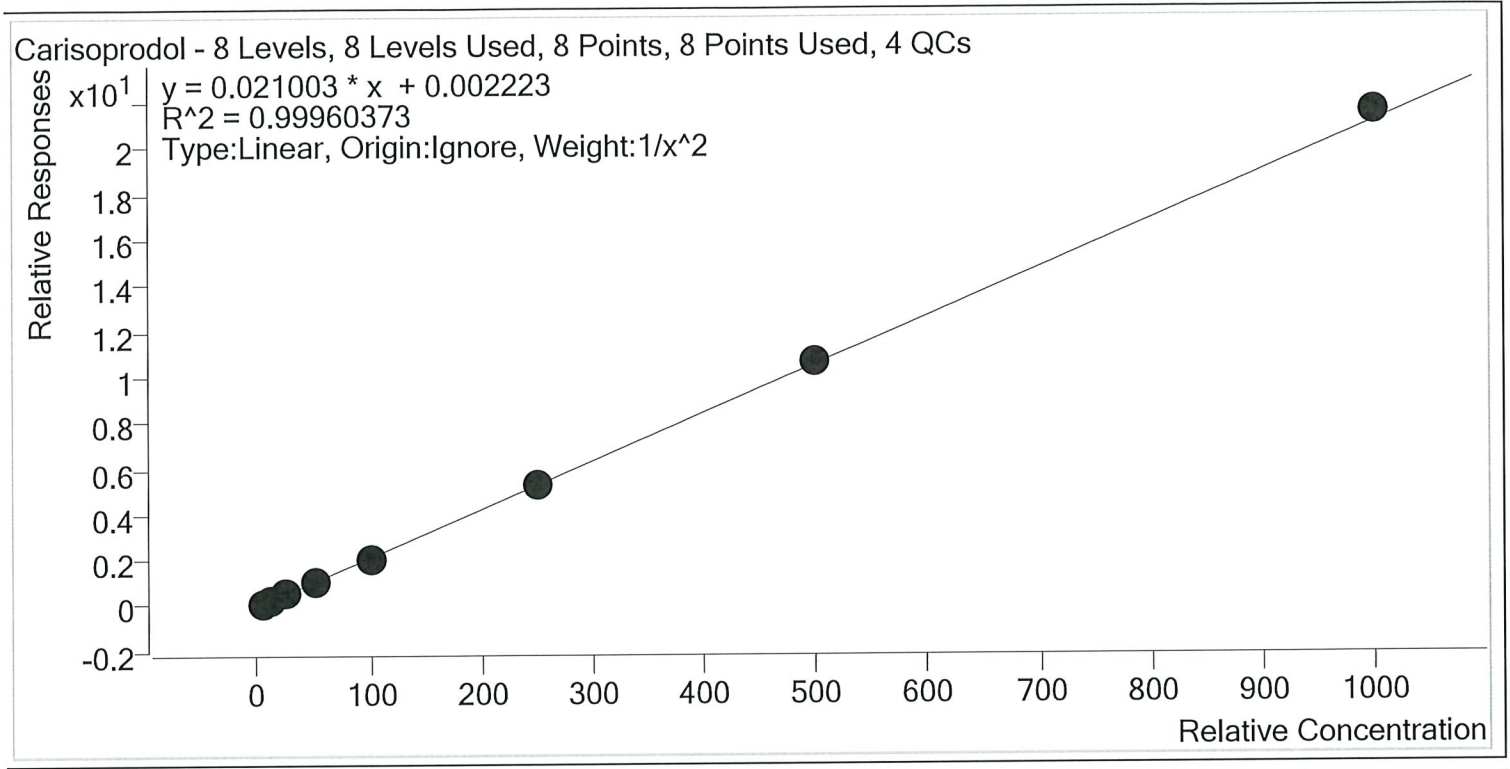
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin

Last Cal. Update 10/16/2019 1:41 PM

Analyst Name ISP\datastor

Analyte Carisoprodol **Internal Standard** Carisoprodol-D7

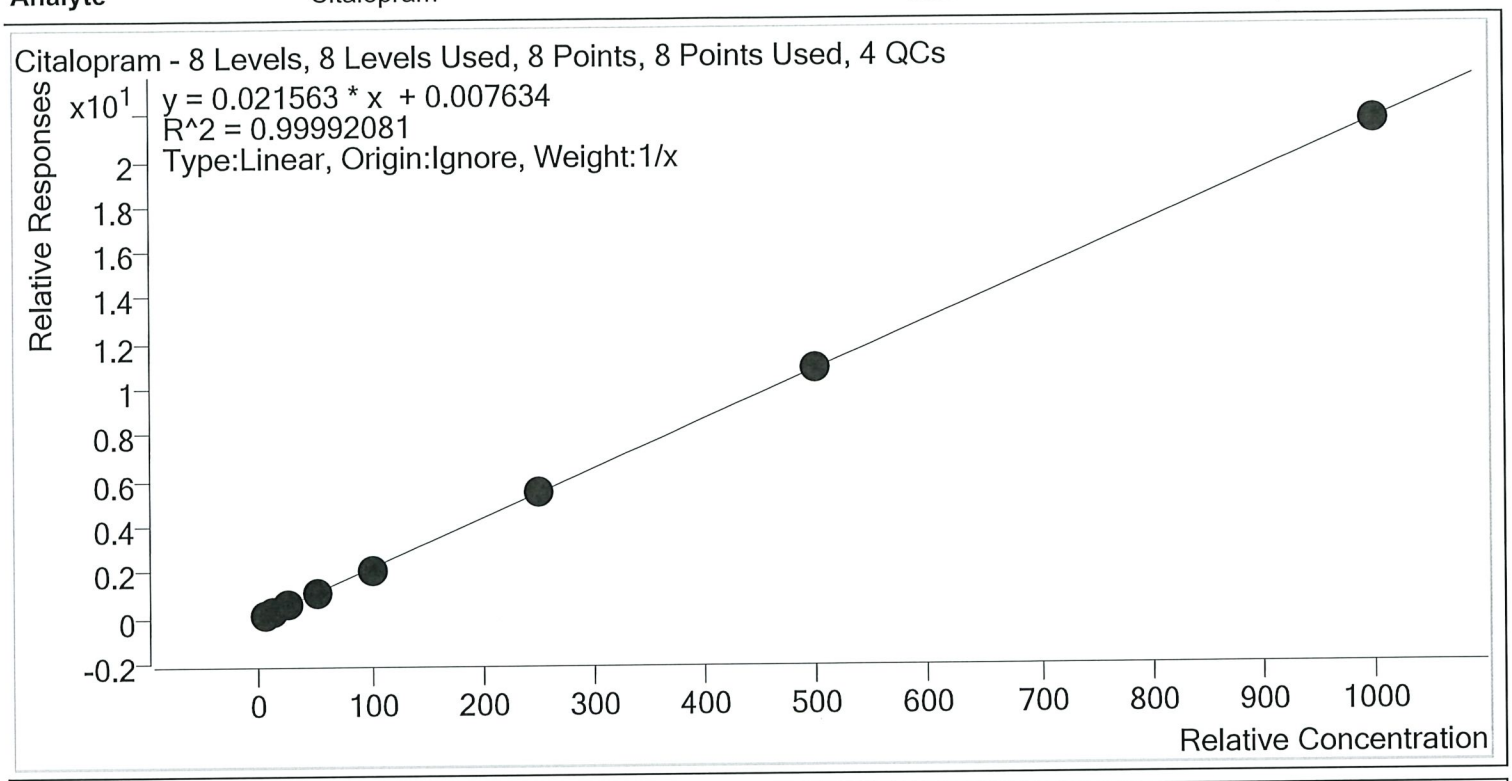


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.8
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.0
p1 Cal 3 -25ng	3	✓	25.0	24.7	99.0
p1 Cal 4-50ng	4	✓	50.0	50.4	100.7
p1 Cal 5-100ng	5	✓	100.0	96.7	96.7
p1 Cal 6-250ng	6	✓	250.0	247.9	99.2
p1 Cal 7-500ng_r	7	✓	500.0	507.2	101.4
p1 Cal 8-1000ng	8	✓	1000.0	1022.0	102.2

TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results	D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin
Last Cal. Update	10/16/2019 1:41 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	4.9	98.3
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.2
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.7
p1 Cal 4-50ng	4	✓	50.0	51.0	101.9
p1 Cal 5-100ng	5	✓	100.0	97.7	97.7
p1 Cal 6-250ng	6	✓	250.0	253.9	101.6
p1 Cal 7-500ng_r	7	✓	500.0	499.2	99.8
p1 Cal 8-1000ng	8	✓	1000.0	998.3	99.8

TS

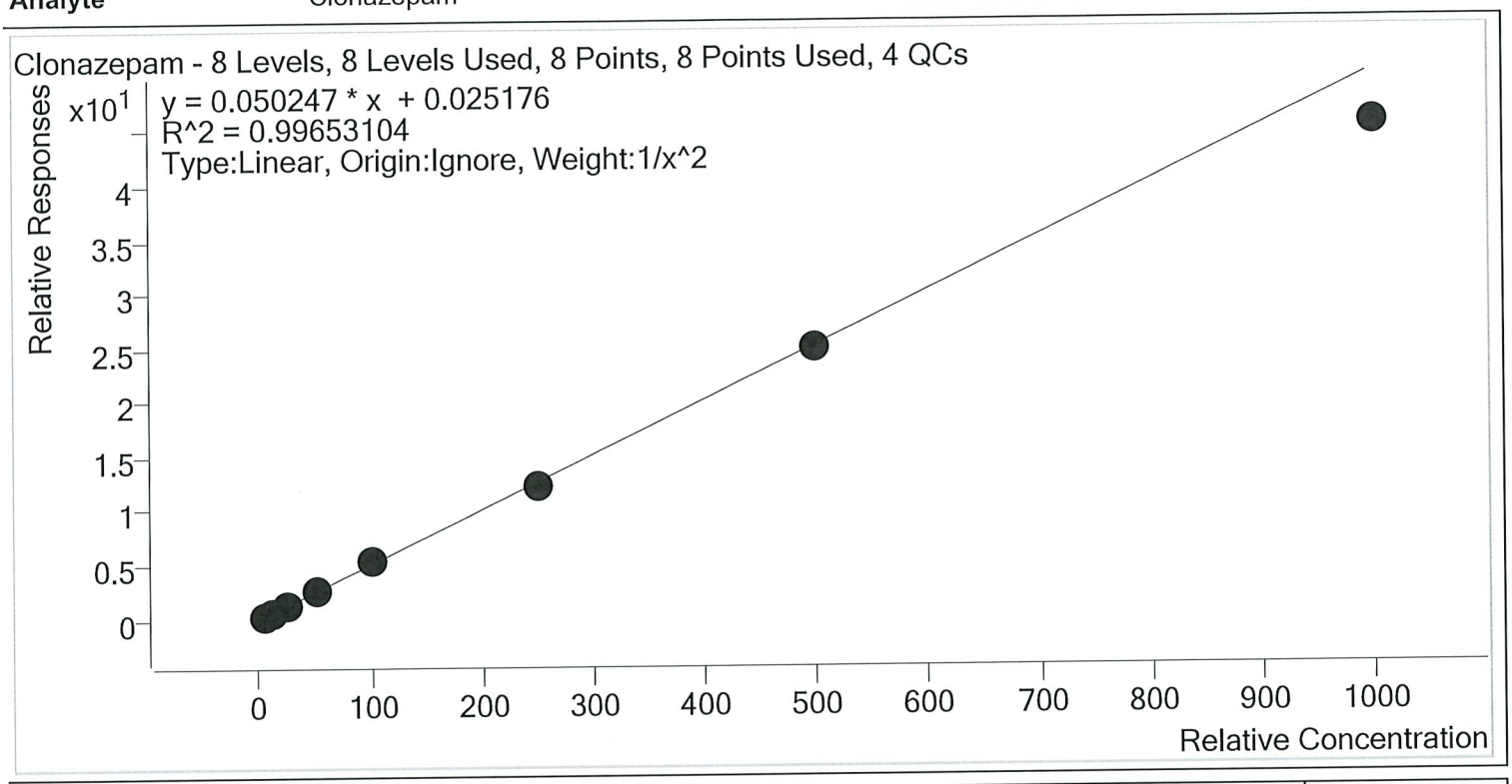
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin

Last Cal. Update 10/16/2019 1:41 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	4.9	98.7
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.2
p1 Cal 4-50ng	4	✓	50.0	52.7	105.4
p1 Cal 5-100ng	5	✓	100.0	106.4	106.4
p1 Cal 6-250ng	6	✓	250.0	243.6	97.4
p1 Cal 7-500ng_r	7	✓	500.0	493.1	98.6
p1 Cal 8-1000ng	8	✓	1000.0	903.7	90.4

TS

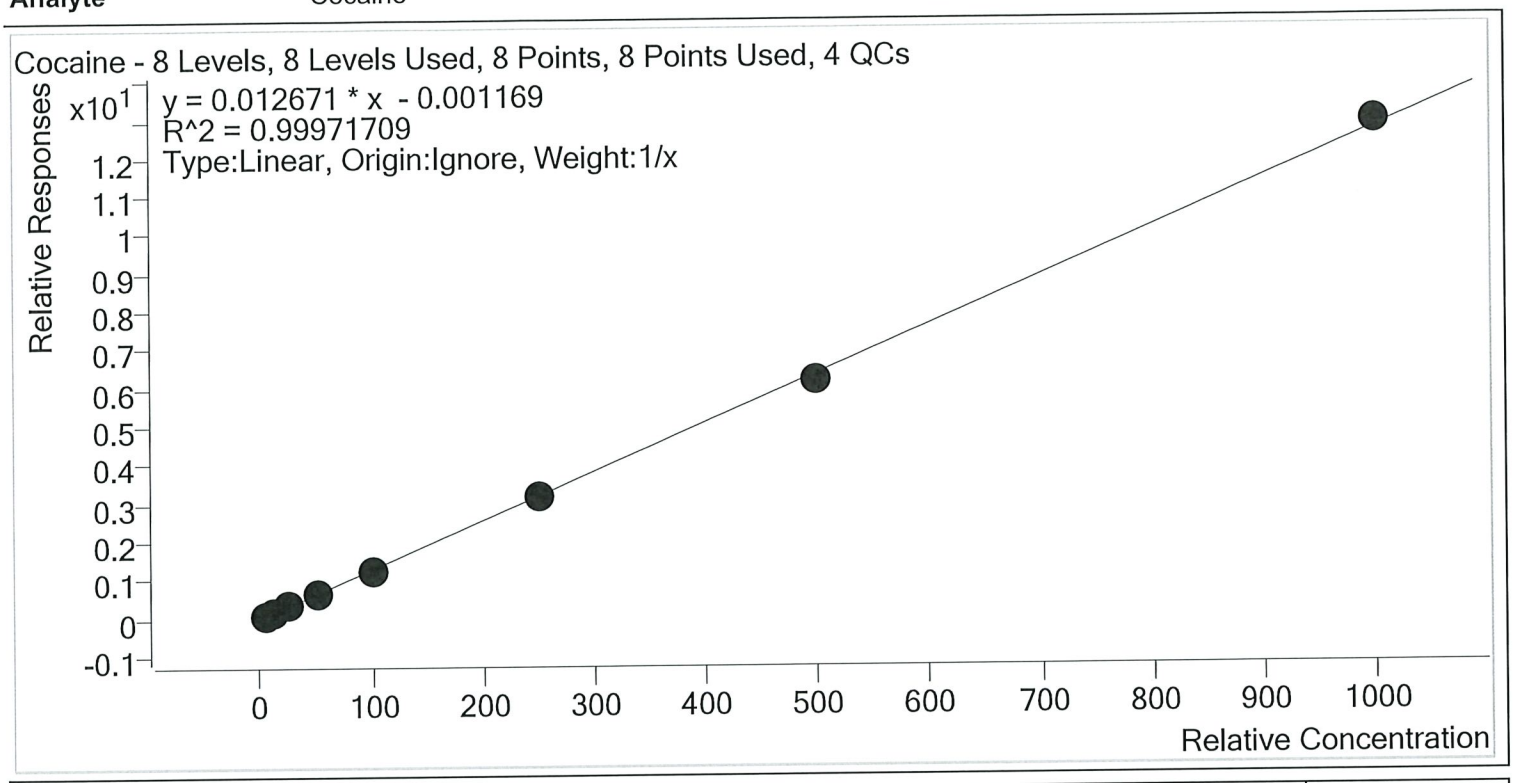
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin

Last Cal. Update 10/16/2019 1:41 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	104.2
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.2
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.5
p1 Cal 4-50ng	4	✓	50.0	50.2	100.4
p1 Cal 5-100ng	5	✓	100.0	97.7	97.7
p1 Cal 6-250ng	6	✓	250.0	249.7	99.9
p1 Cal 7-500ng_r	7	✓	500.0	488.7	97.7
p1 Cal 8-1000ng	8	✓	1000.0	1013.6	101.4

TS

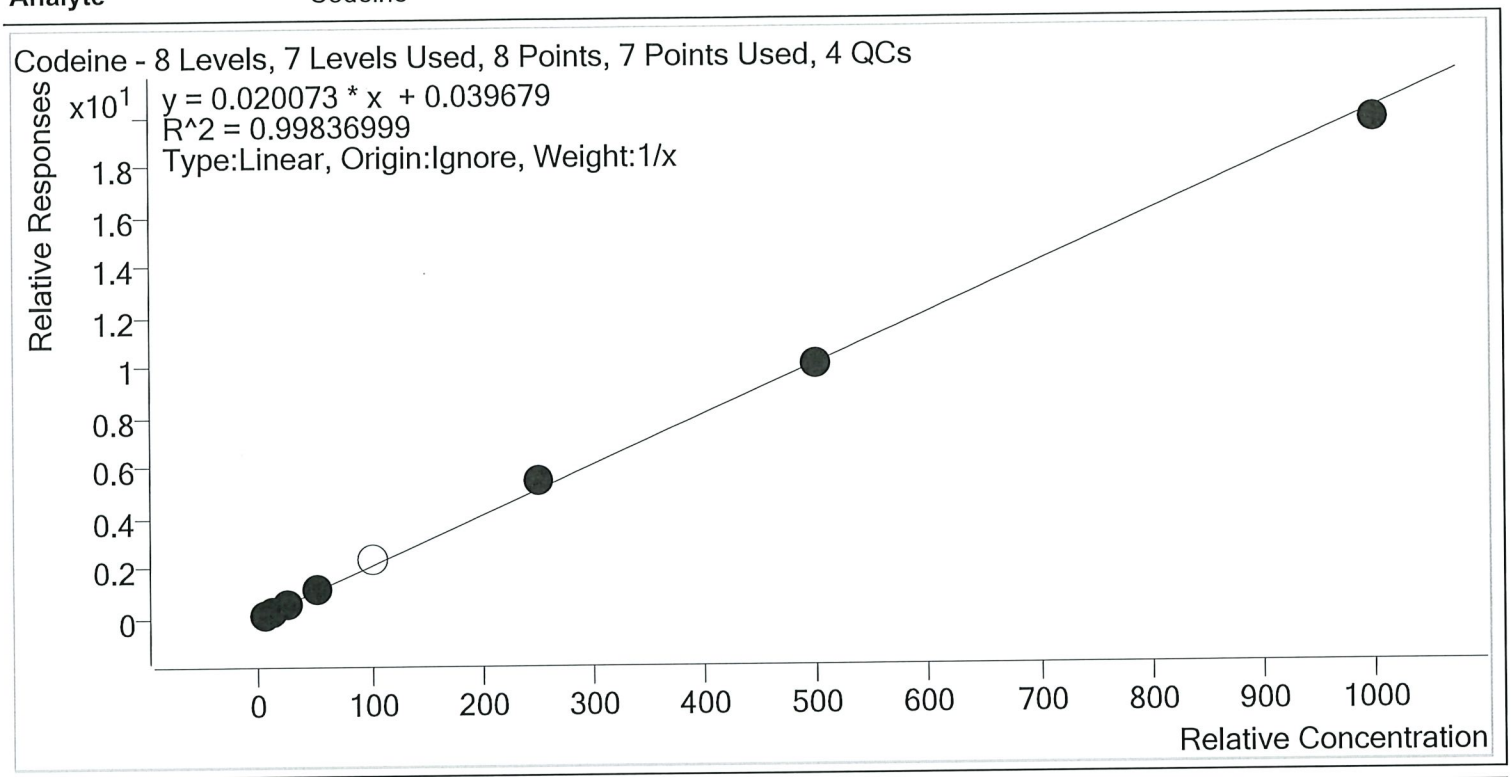
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin

Last Cal. Update 10/16/2019 1:41 PM

Analyst Name ISP\datastor

Analyte Codeine **Internal Standard** Codeine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	3.9	77.2
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.3
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.4
p1 Cal 4-50ng	4	✓	50.0	57.1	114.2
p1 Cal 5-100ng	5	×	100.0	112.1	112.1
p1 Cal 6-250ng	6	✓	250.0	265.2	106.1
p1 Cal 7-500ng_r	7	✓	500.0	500.5	100.1
p1 Cal 8-1000ng	8	✓	1000.0	977.1	97.7

TS

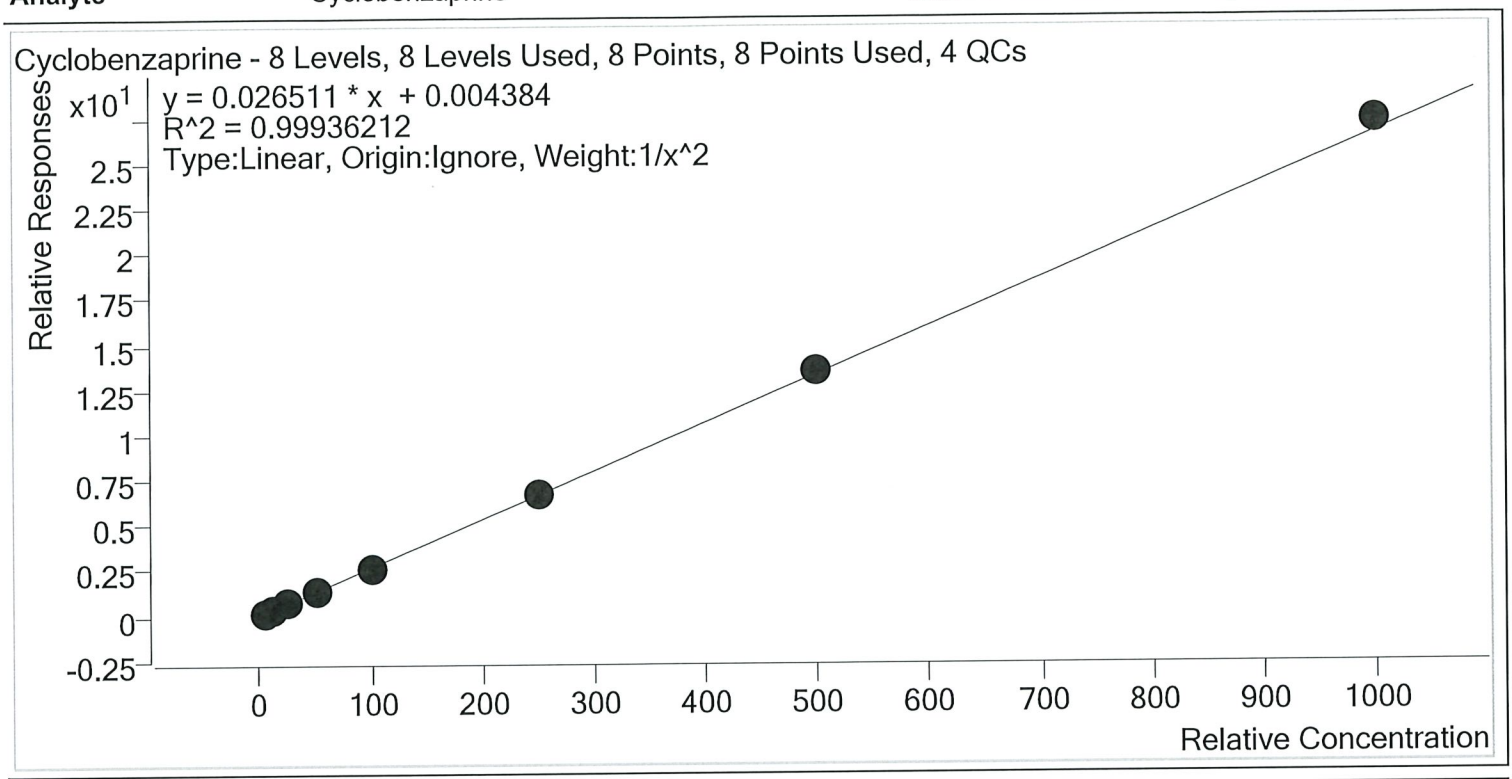
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin

Last Cal. Update 10/16/2019 1:41 PM

Analyst Name ISP\datastor

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	99.3
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.6
p1 Cal 4-50ng	4	✓	50.0	50.8	101.7
p1 Cal 5-100ng	5	✓	100.0	96.1	96.1
p1 Cal 6-250ng	6	✓	250.0	251.8	100.7
p1 Cal 7-500ng_r	7	✓	500.0	506.3	101.3
p1 Cal 8-1000ng	8	✓	1000.0	1025.6	102.6

TS

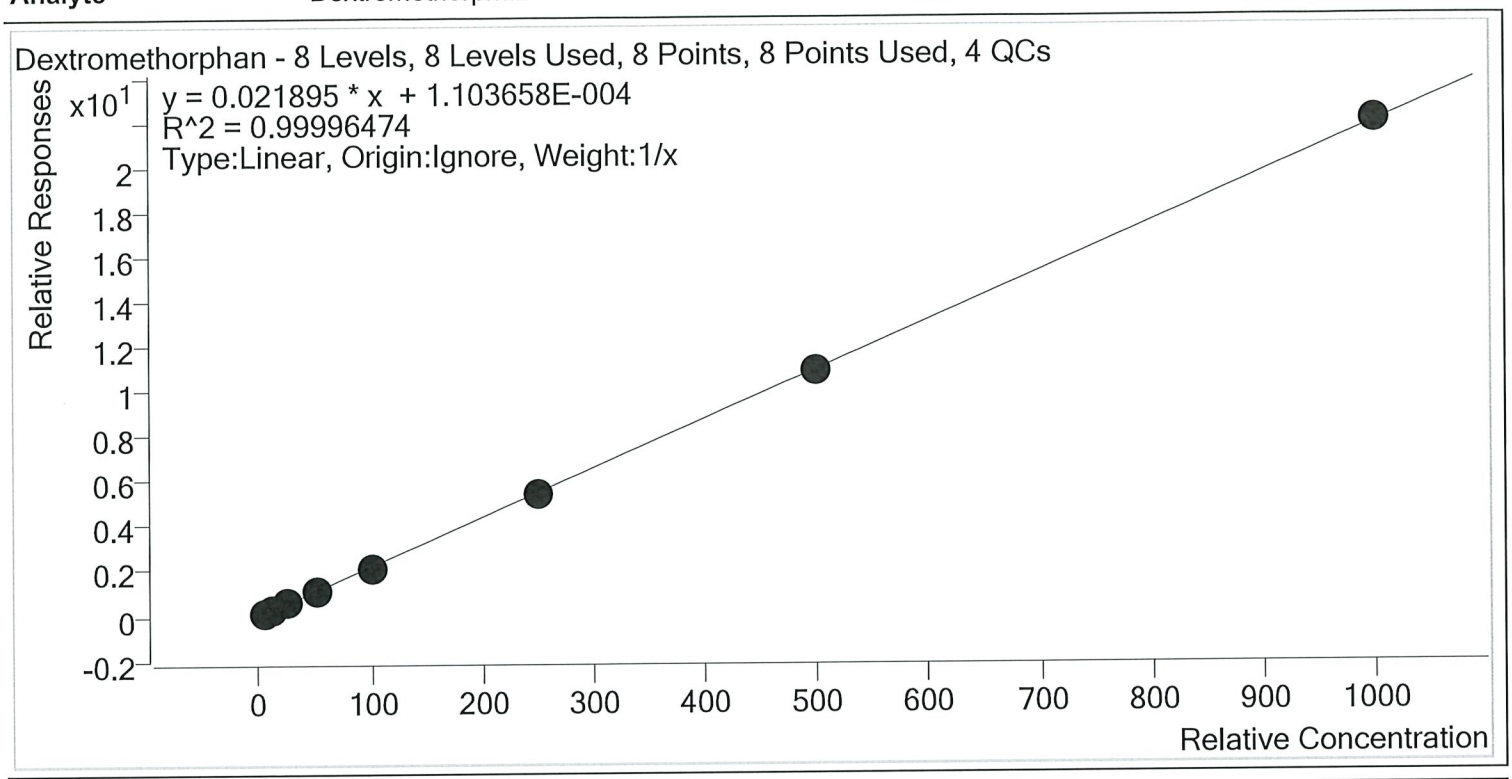
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin

Last Cal. Update 10/16/2019 1:41 PM

Analyst Name ISP\datastor

Analyte Dextromethorphan **Internal Standard** Dextromethorphan-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.0
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.5
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.3
p1 Cal 4-50ng	4	✓	50.0	50.0	100.0
p1 Cal 5-100ng	5	✓	100.0	98.5	98.5
p1 Cal 6-250ng	6	✓	250.0	249.3	99.7
p1 Cal 7-500ng_r	7	✓	500.0	497.4	99.5
p1 Cal 8-1000ng	8	✓	1000.0	1004.7	100.5

TS

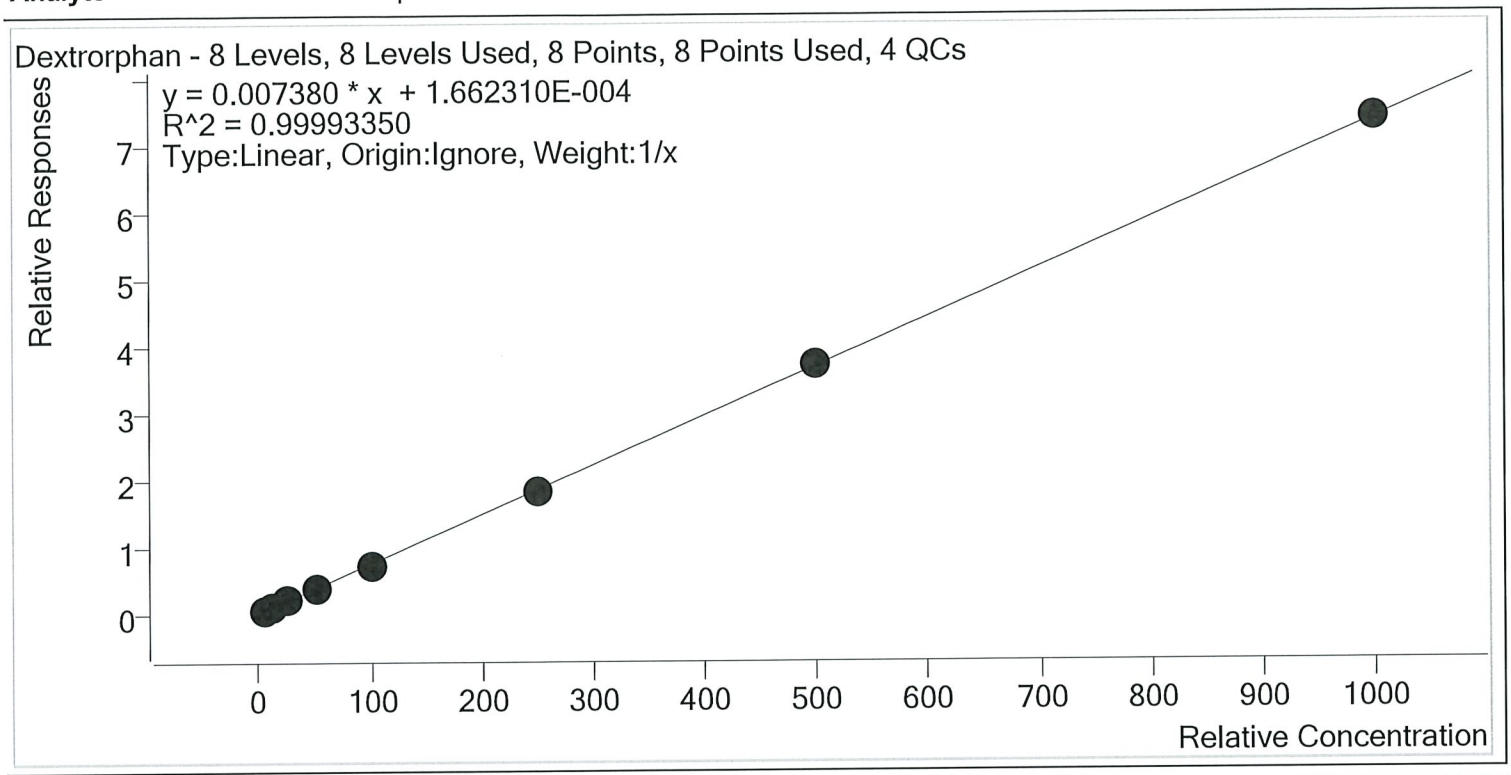
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin

Last Cal. Update 10/16/2019 1:41 PM

Analyst Name ISP\datastor

Analyte Dextrorphan **Internal Standard** Dextrorphan-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.3
p1 Cal 2- 10ng	2	✓	10.0	9.9	98.9
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.6
p1 Cal 4-50ng	4	✓	50.0	50.3	100.5
p1 Cal 5-100ng	5	✓	100.0	98.4	98.4
p1 Cal 6-250ng	6	✓	250.0	246.2	98.5
p1 Cal 7-500ng_r	7	✓	500.0	503.1	100.6
p1 Cal 8-1000ng	8	✓	1000.0	1002.2	100.2

TS

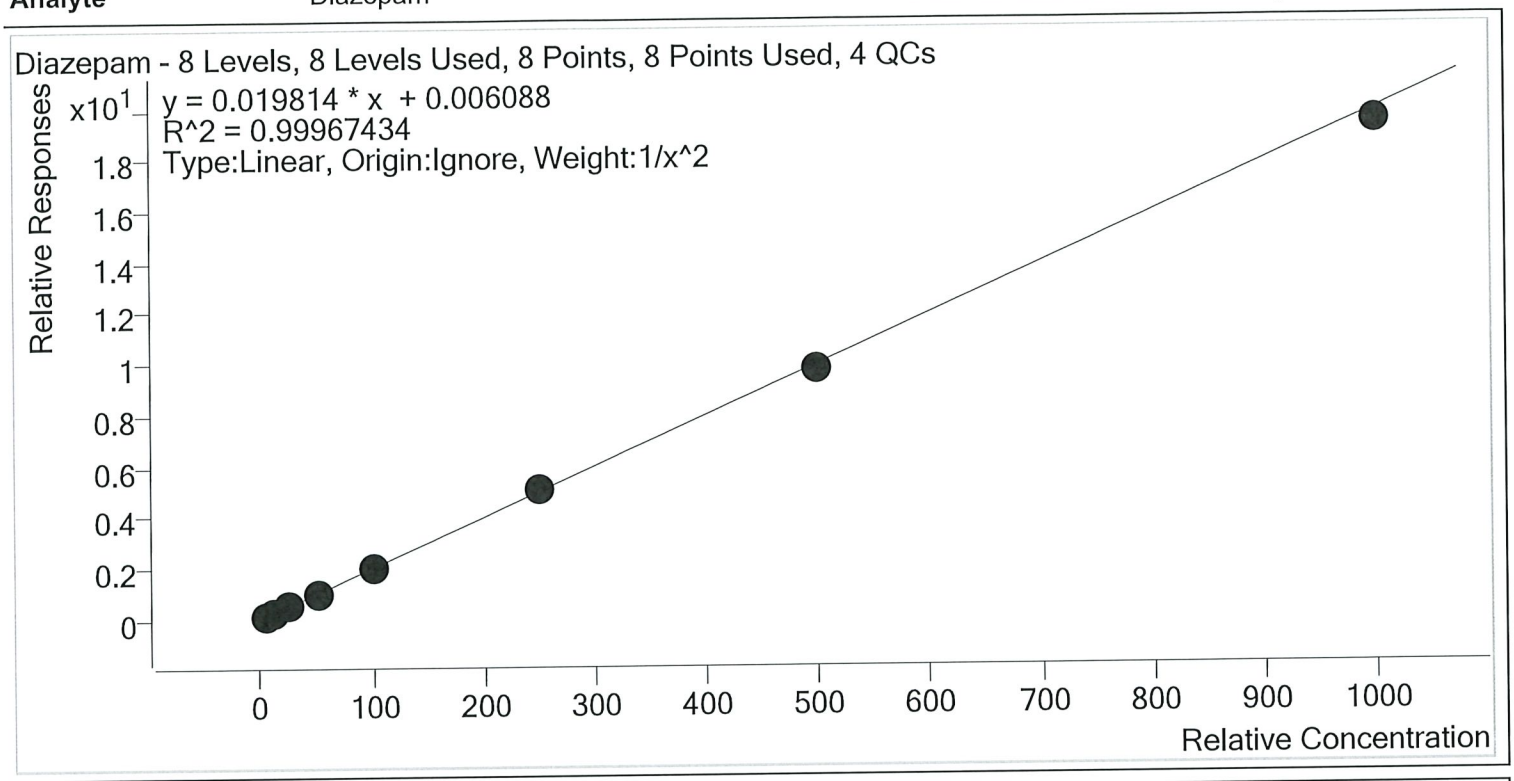
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin

Last Cal. Update 10/16/2019 1:41 PM

Analyst Name ISP\datastor

Analyte Diazepam **Internal Standard** Diazepam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.3
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.2
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.4
p1 Cal 4-50ng	4	✓	50.0	50.8	101.6
p1 Cal 5-100ng	5	✓	100.0	101.7	101.7
p1 Cal 6-250ng	6	✓	250.0	252.4	101.0
p1 Cal 7-500ng_r	7	✓	500.0	490.9	98.2
p1 Cal 8-1000ng	8	✓	1000.0	976.8	97.7

TS

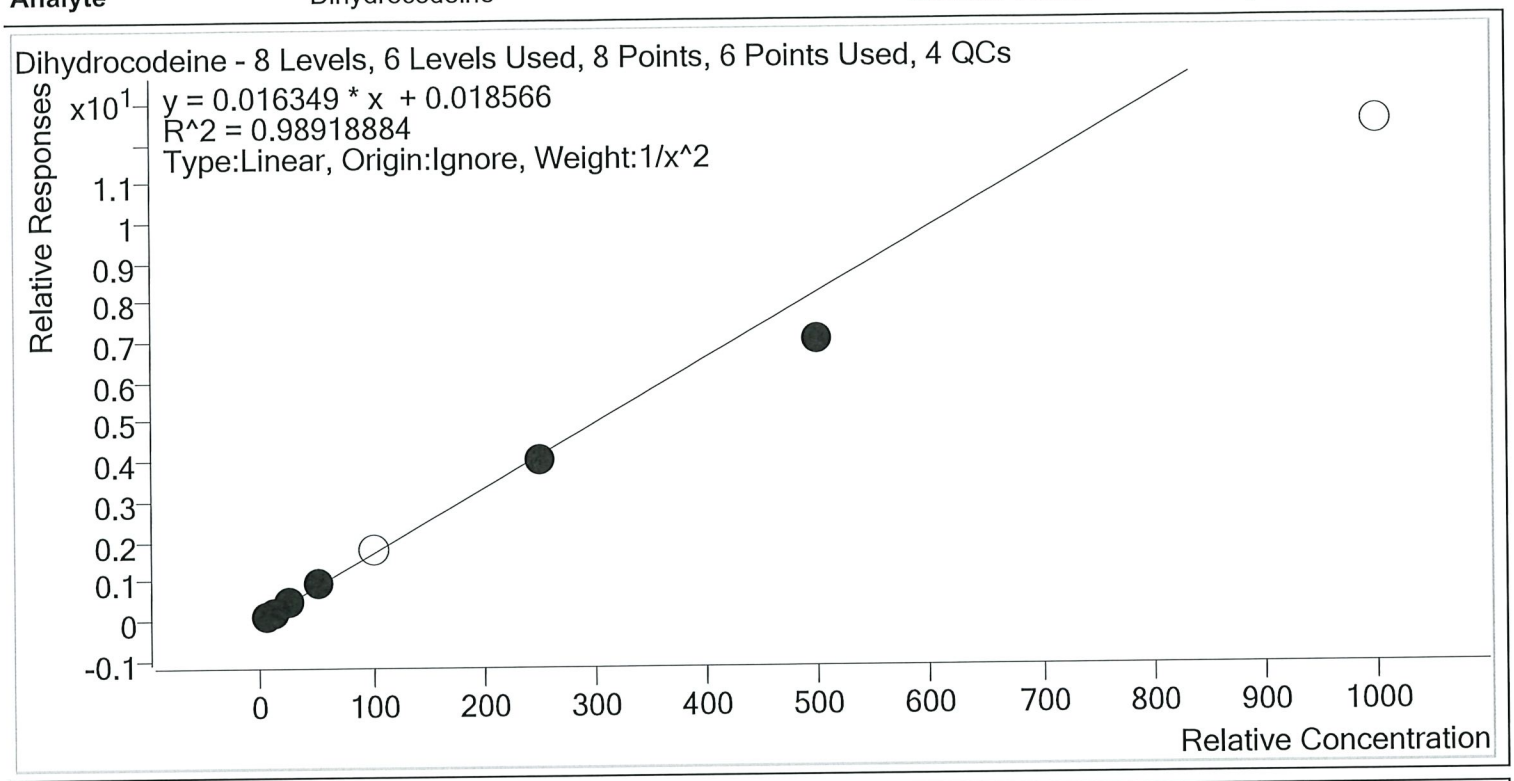
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin

Last Cal. Update 10/16/2019 1:41 PM

Analyst Name ISP\datastor

Analyte Dihydrocodeine **Internal Standard** Dihydrocodeine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.1
p1 Cal 2- 10ng	2	✓	10.0	10.4	103.5
p1 Cal 3 -25ng	3	✓	25.0	26.8	107.0
p1 Cal 4-50ng	4	✓	50.0	54.7	109.3
p1 Cal 5-100ng	5	×	100.0	106.7	106.7
p1 Cal 6-250ng	6	✓	250.0	246.3	98.5
p1 Cal 7-500ng_r	7	✓	500.0	427.8	85.6
p1 Cal 8-1000ng	8	×	1000.0	758.6	75.9

TS

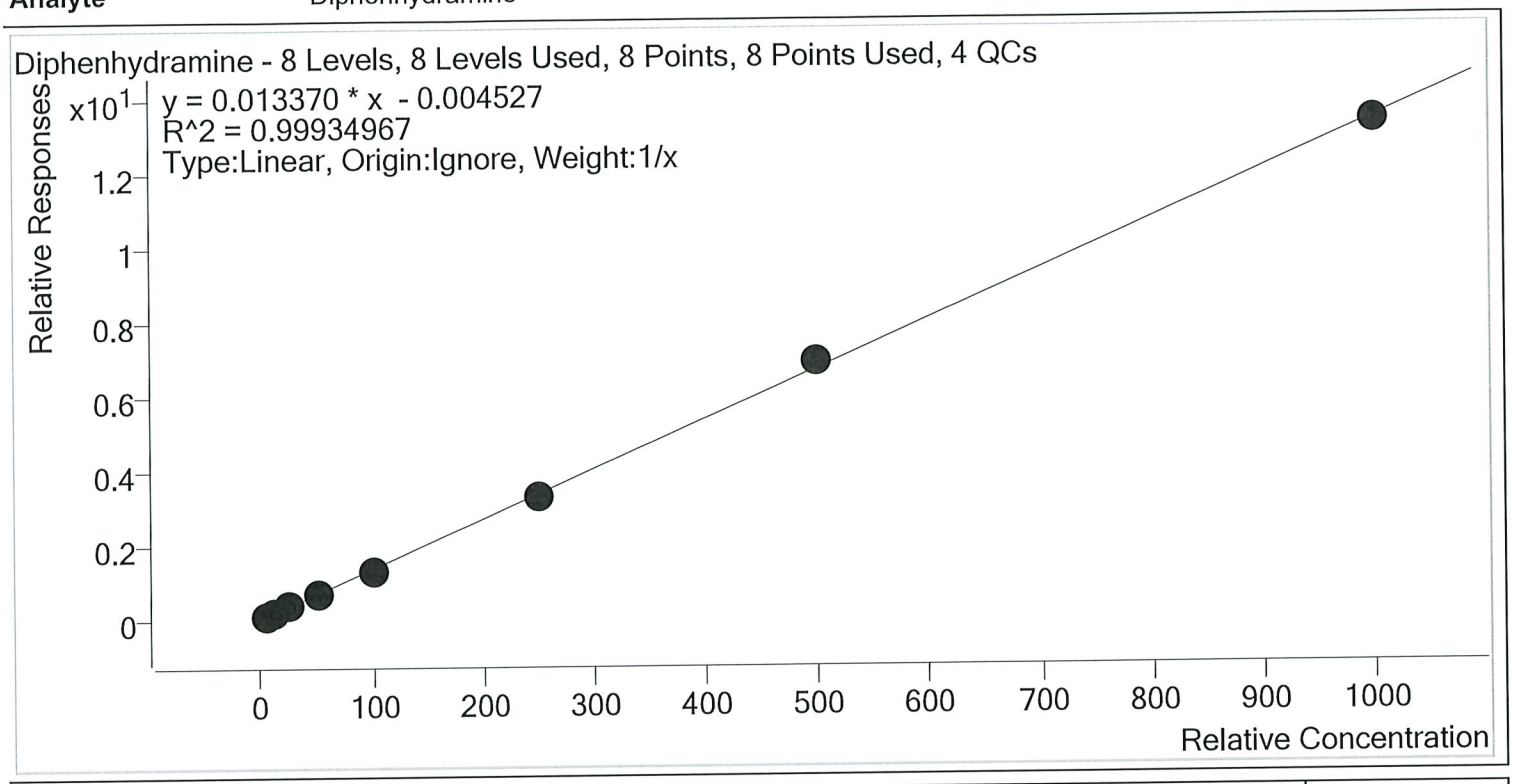
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin

Last Cal. Update 10/16/2019 1:41 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	5.4	107.1
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.3
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.2
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	243.0	97.2
p1 Cal 7-500ng_r	7	✓	500.0	518.2	103.6
p1 Cal 8-1000ng	8	✓	1000.0	994.4	99.4

TS

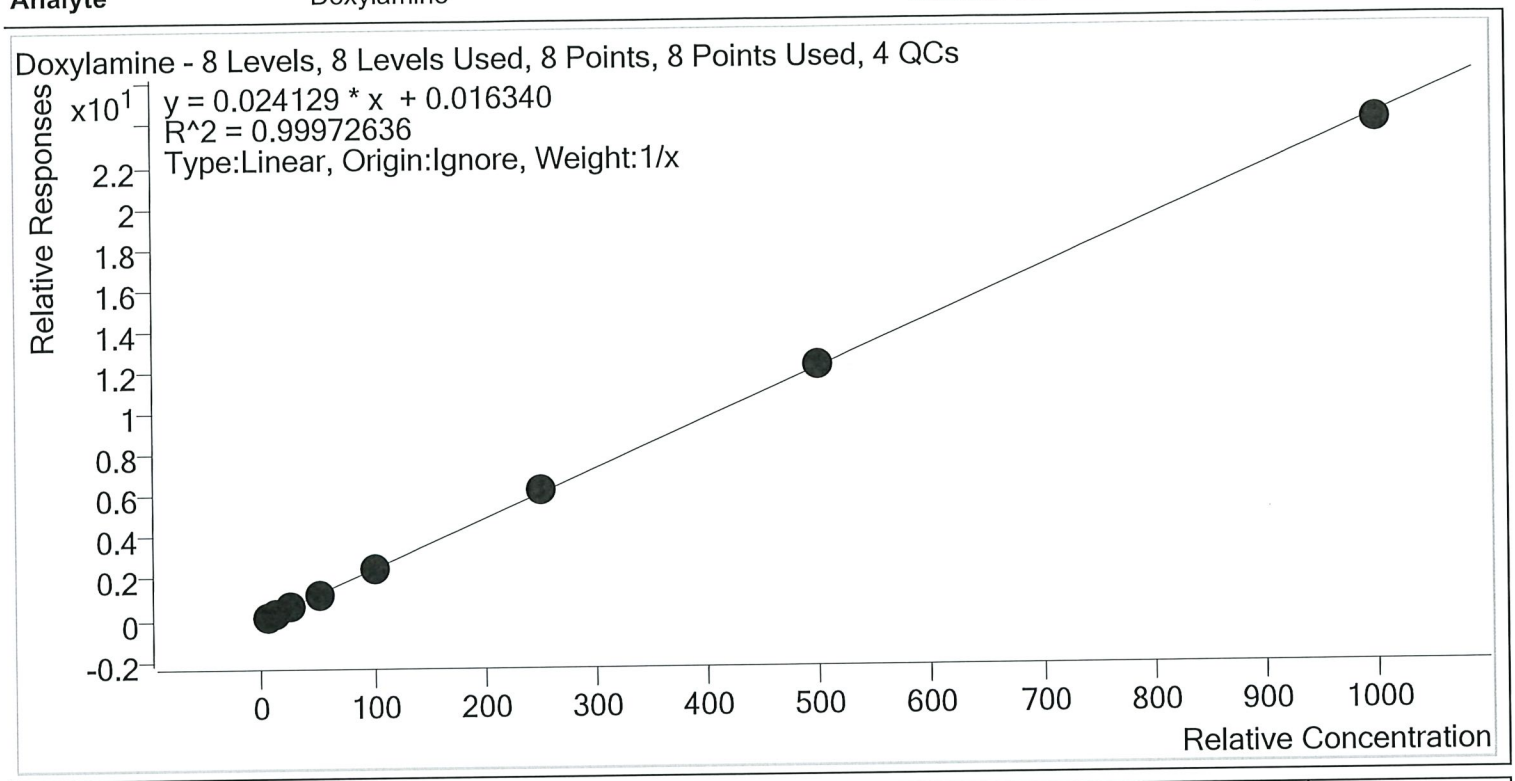
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin

Last Cal. Update 10/16/2019 1:41 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	4.7	93.2
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.7
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.6
p1 Cal 4-50ng	4	✓	50.0	51.7	103.4
p1 Cal 5-100ng	5	✓	100.0	102.1	102.1
p1 Cal 6-250ng	6	✓	250.0	257.5	103.0
p1 Cal 7-500ng_r	7	✓	500.0	500.7	100.1
p1 Cal 8-1000ng	8	✓	1000.0	988.4	98.8

TS

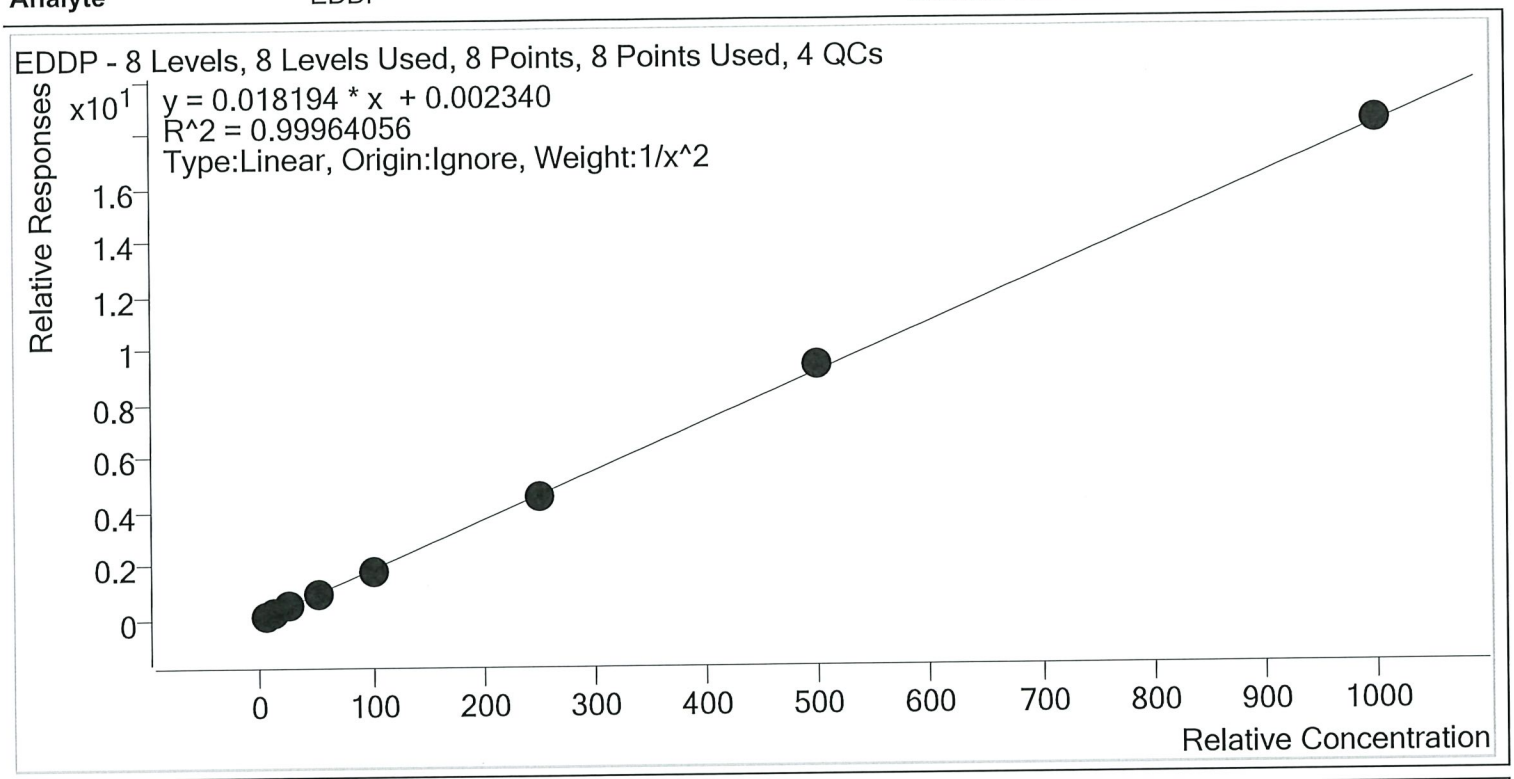
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin

Last Cal. Update 10/16/2019 1:41 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	100.3
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.4
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.5
p1 Cal 4-50ng	4	✓	50.0	51.1	102.3
p1 Cal 5-100ng	5	✓	100.0	97.9	97.9
p1 Cal 6-250ng	6	✓	250.0	244.9	98.0
p1 Cal 7-500ng_r	7	✓	500.0	510.1	102.0
p1 Cal 8-1000ng	8	✓	1000.0	1006.7	100.7

TS

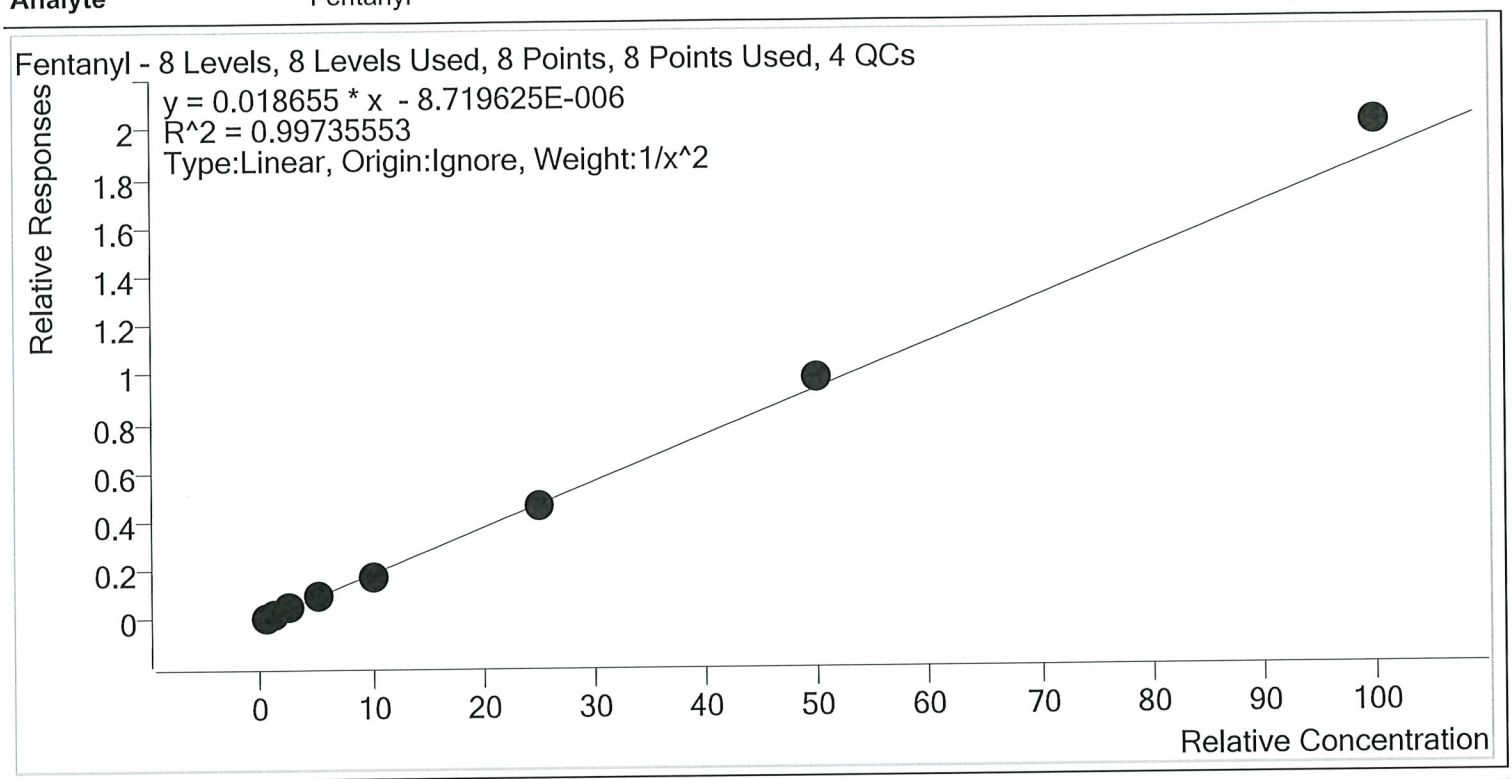
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin

Last Cal. Update 10/16/2019 1:41 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	100.2
p1 Cal 2- 10ng	2	✓	1.0	1.0	101.9
p1 Cal 3 -25ng	3	✓	2.5	2.4	97.2
p1 Cal 4-50ng	4	✓	5.0	4.9	97.4
p1 Cal 5-100ng	5	✓	10.0	9.3	93.3
p1 Cal 6-250ng	6	✓	25.0	24.6	98.3
p1 Cal 7-500ng_r	7	✓	50.0	52.2	104.3
p1 Cal 8-1000ng	8	✓	100.0	107.5	107.5

TS

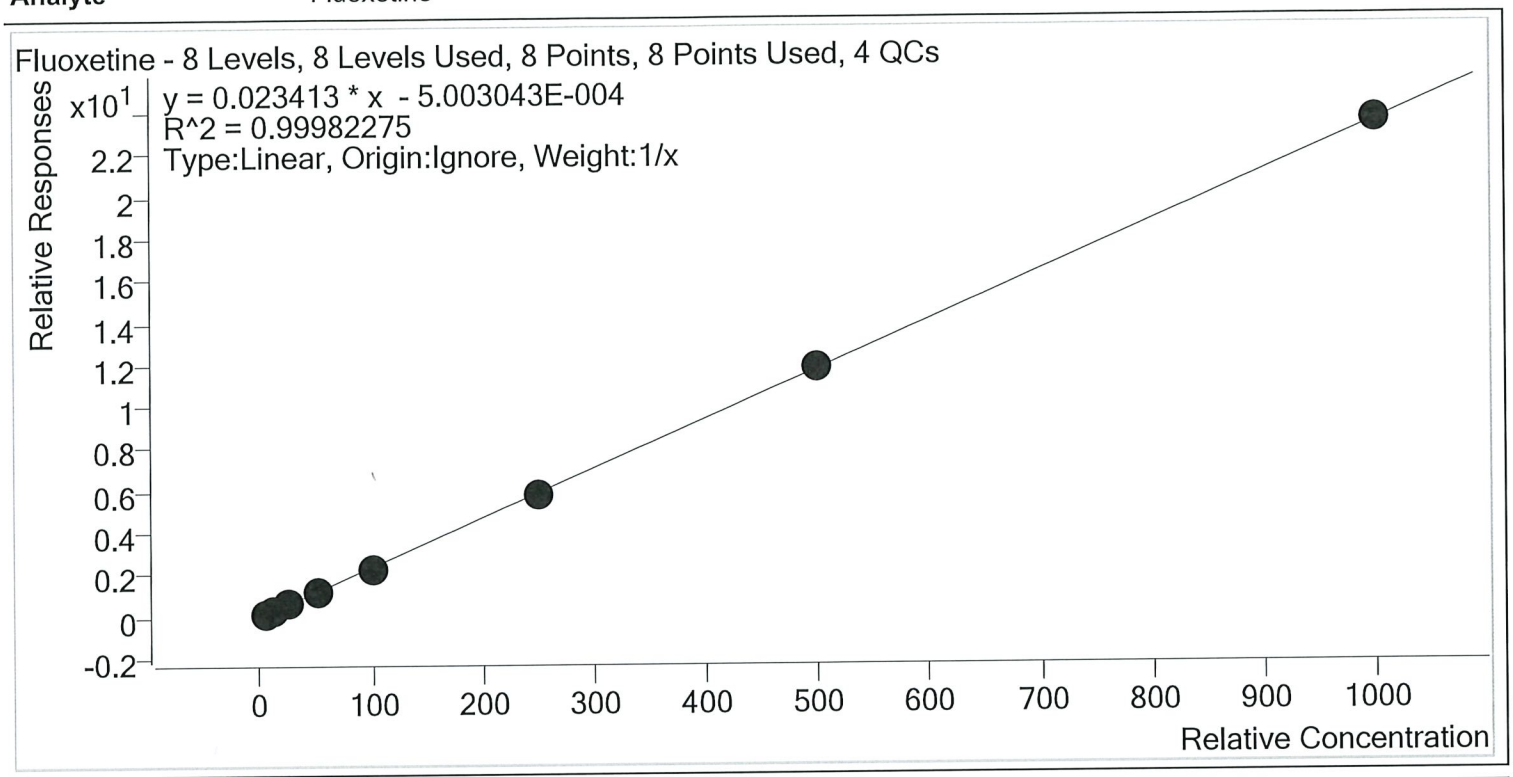
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin

Last Cal. Update 10/16/2019 1:41 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	5.2	103.2
p1 Cal 2- 10ng	2	✓	10.0	10.3	102.6
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.5
p1 Cal 4-50ng	4	✓	50.0	50.1	100.3
p1 Cal 5-100ng	5	✓	100.0	94.9	94.9
p1 Cal 6-250ng	6	✓	250.0	248.8	99.5
p1 Cal 7-500ng_r	7	✓	500.0	503.8	100.8
p1 Cal 8-1000ng	8	✓	1000.0	1002.2	100.2

TS

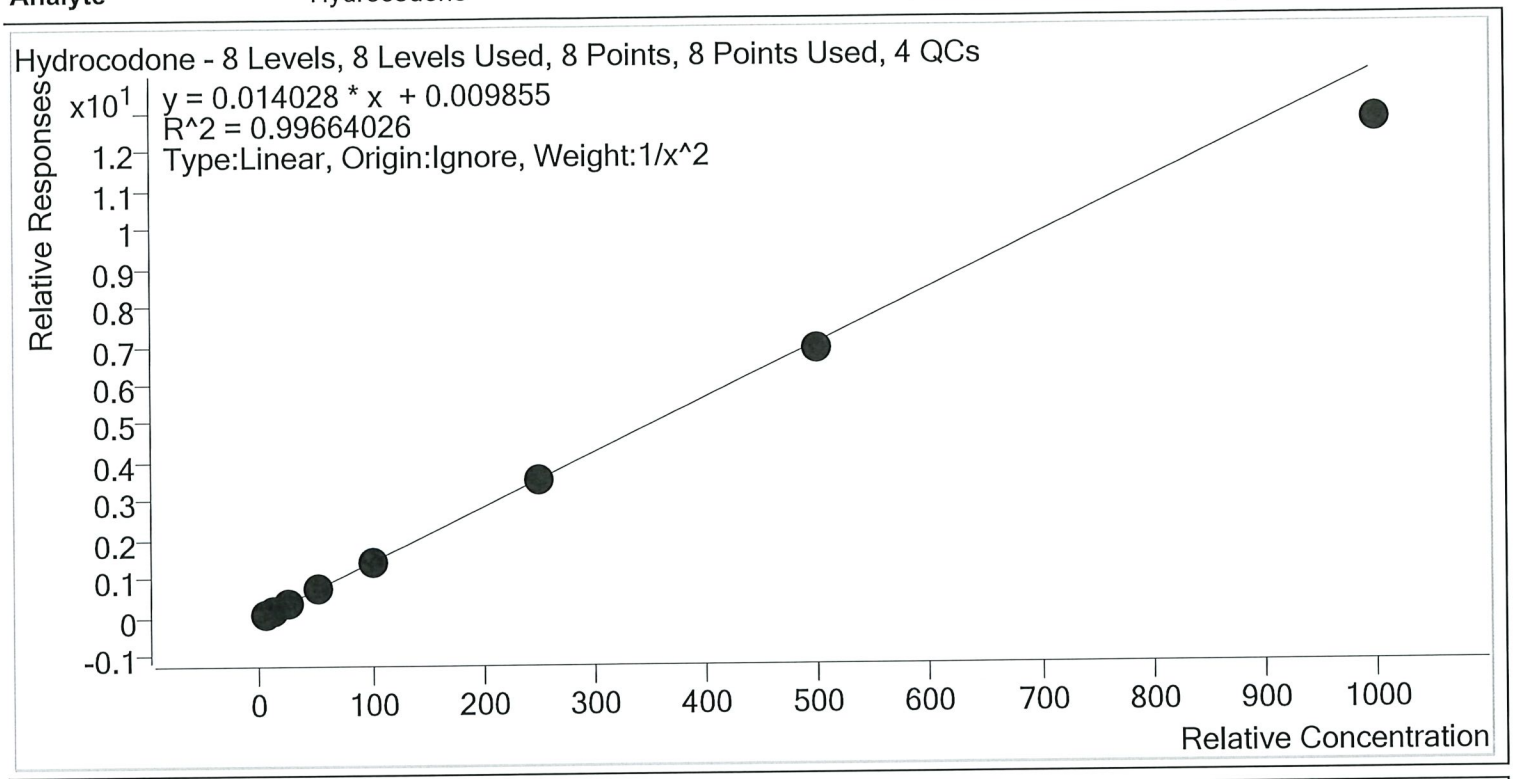
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin

Last Cal. Update 10/16/2019 1:41 PM

Analyst Name ISP\datastor

Analyte Hydrocodone **Internal Standard** Hydrocodone-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.1
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.4
p1 Cal 3 -25ng	3	✓	25.0	26.5	106.1
p1 Cal 4-50ng	4	✓	50.0	52.4	104.9
p1 Cal 5-100ng	5	✓	100.0	101.7	101.7
p1 Cal 6-250ng	6	✓	250.0	250.4	100.1
p1 Cal 7-500ng_r	7	✓	500.0	485.9	97.2
p1 Cal 8-1000ng	8	✓	1000.0	904.7	90.5

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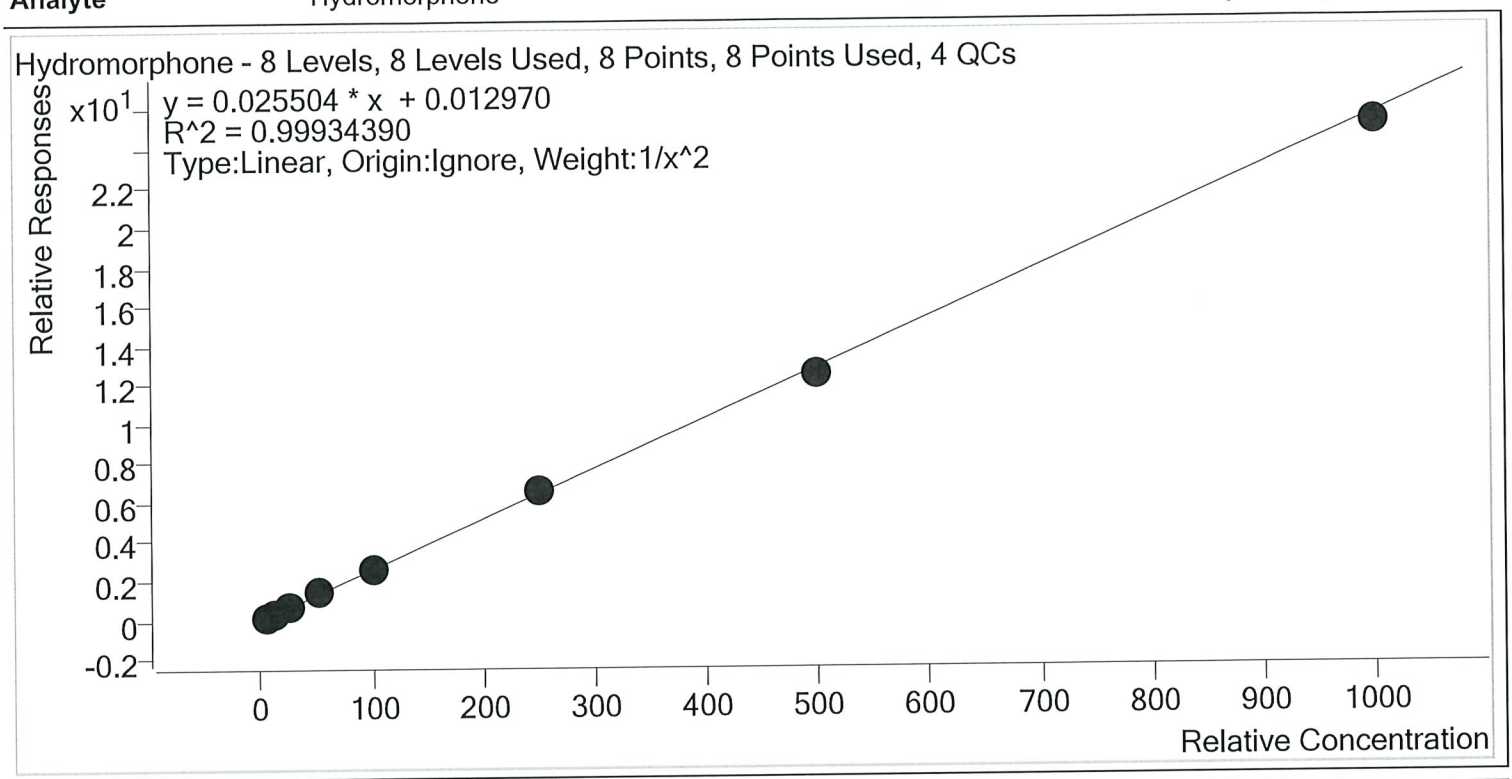
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin

Last Cal. Update 10/16/2019 1:41 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	5.0	99.4
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.5
p1 Cal 4-50ng	4	✓	50.0	52.2	104.3
p1 Cal 5-100ng	5	✓	100.0	98.4	98.4
p1 Cal 6-250ng	6	✓	250.0	254.6	101.9
p1 Cal 7-500ng_r	7	✓	500.0	487.9	97.6
p1 Cal 8-1000ng	8	✓	1000.0	982.8	98.3

TS

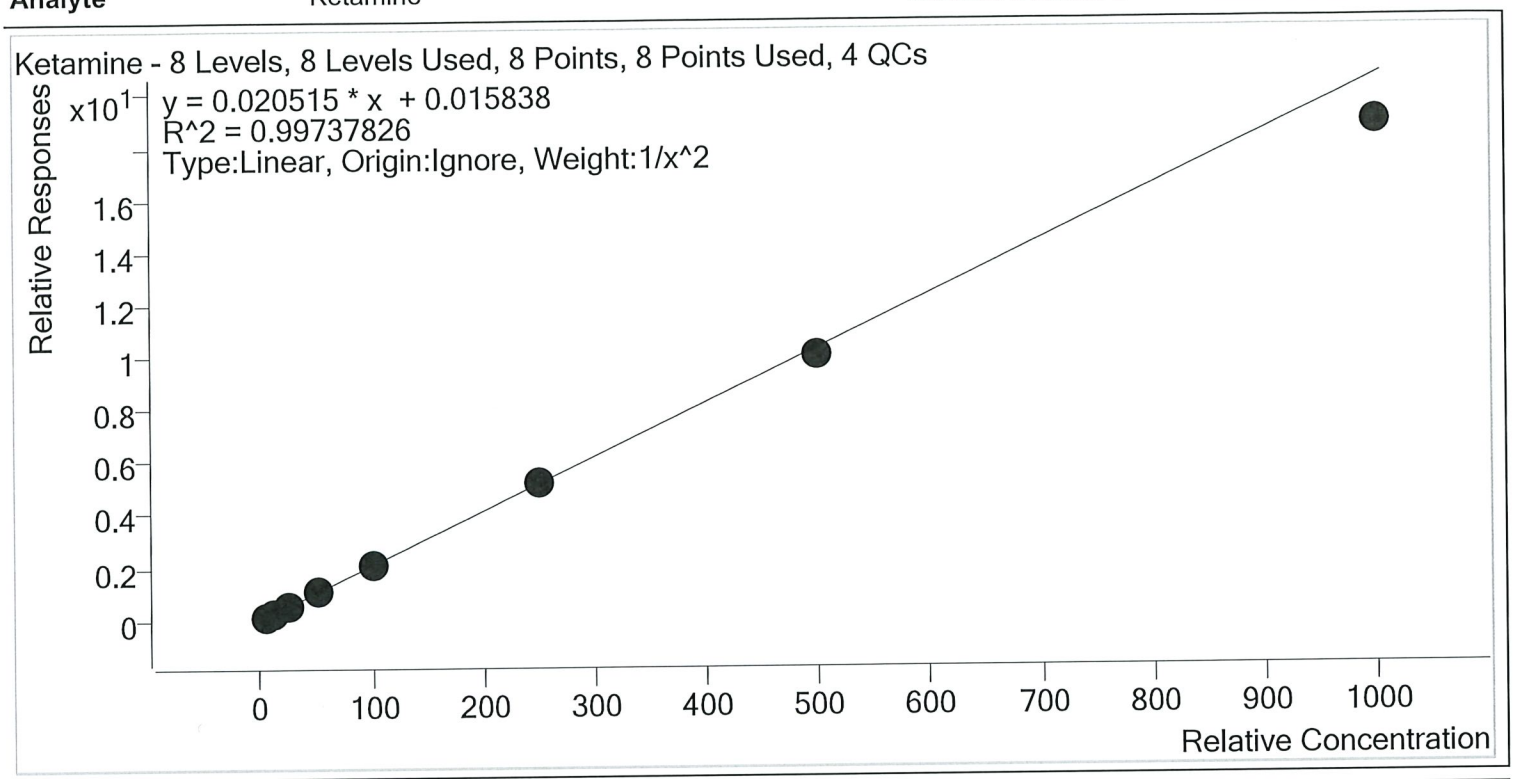
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin

Last Cal. Update 10/16/2019 1:41 PM

Analyst Name ISP\datastor

Analyte Ketamine **Internal Standard** Ketamine-D4



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	101.5
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.1
p1 Cal 4-50ng	4	✓	50.0	52.8	105.6
p1 Cal 5-100ng	5	✓	100.0	102.3	102.3
p1 Cal 6-250ng	6	✓	250.0	253.4	101.4
p1 Cal 7-500ng_r	7	✓	500.0	483.8	96.8
p1 Cal 8-1000ng	8	✓	1000.0	913.8	91.4

TS

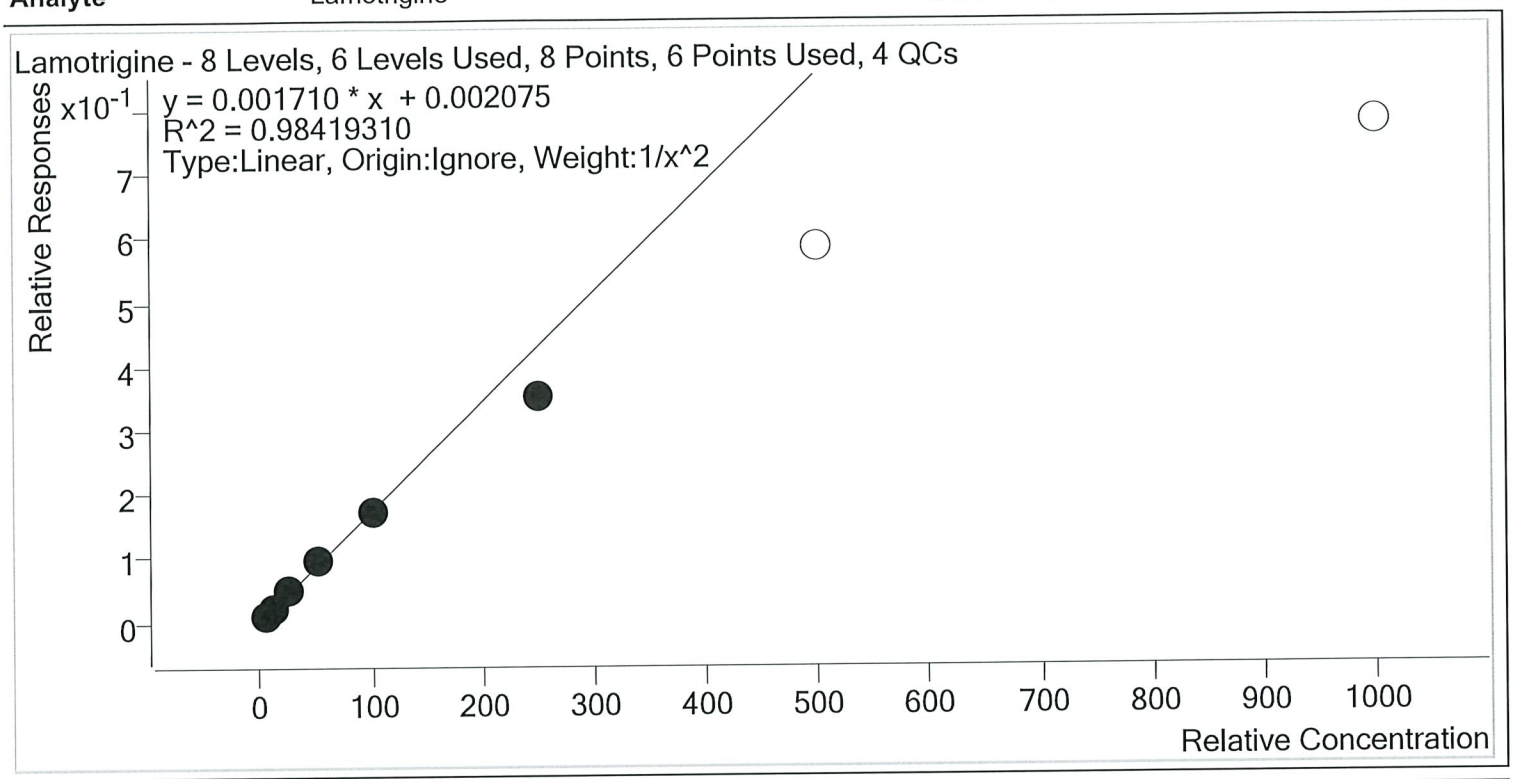
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin

Last Cal. Update 10/16/2019 1:41 PM

Analyst Name ISP\datastor

Analyte Lamotrigine **Internal Standard** Ketamine-D4



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	10.6	106.0
p1 Cal 3 -25ng	3	✓	25.0	26.8	107.1
p1 Cal 4-50ng	4	✓	50.0	54.9	109.7
p1 Cal 5-100ng	5	✓	100.0	100.3	100.3
p1 Cal 6-250ng	6	✓	250.0	204.8	81.9
p1 Cal 7-500ng_r	7	×	500.0	341.2	68.2
p1 Cal 8-1000ng	8	×	1000.0	452.5	45.3

TS

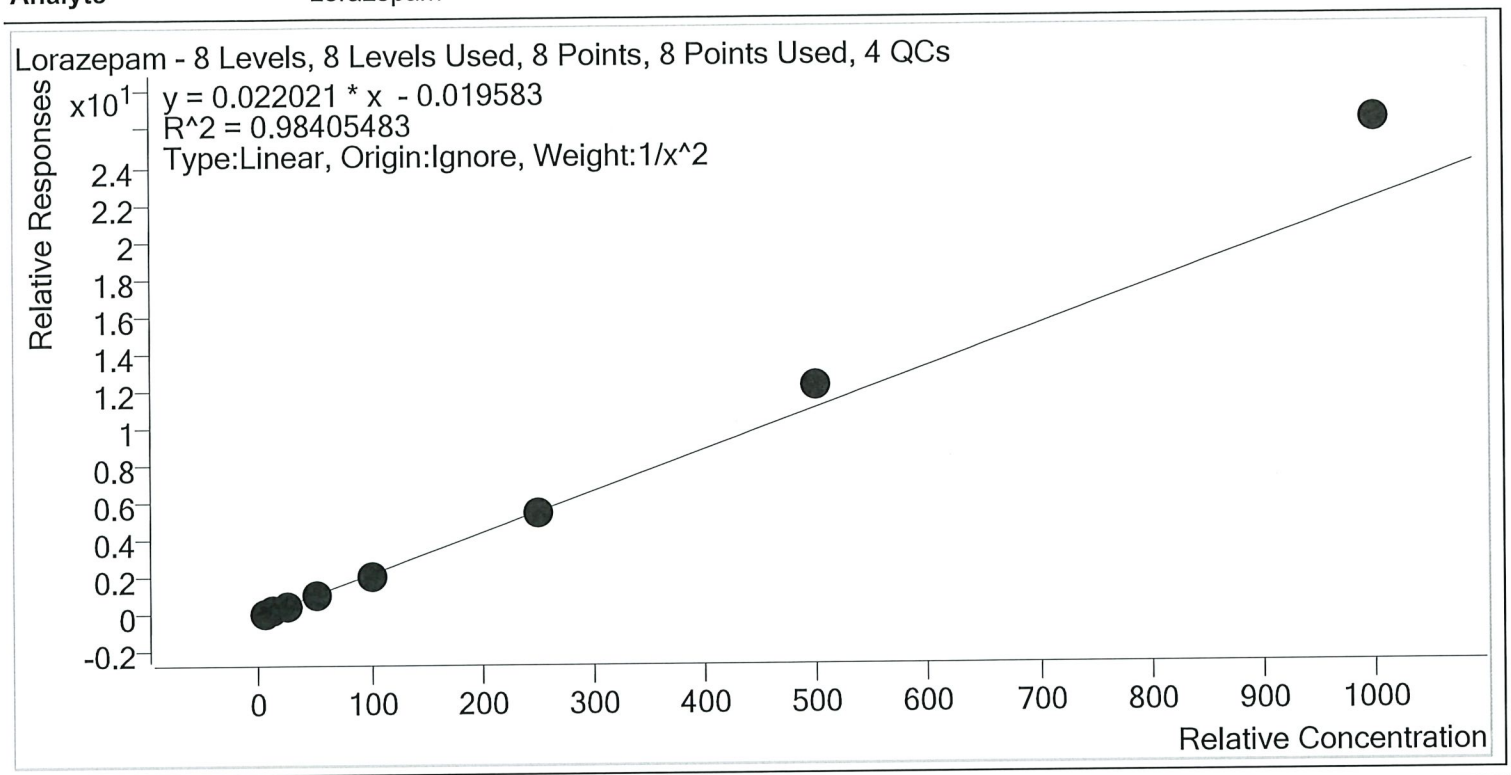
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin

Last Cal. Update 10/16/2019 1:41 PM

Analyst Name ISP\datastor

Analyte Lorazepam **Internal Standard** Clonazepam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.4	107.6
p1 Cal 2- 10ng	2	✓	10.0	9.1	90.6
p1 Cal 3 -25ng	3	✓	25.0	22.8	91.2
p1 Cal 4-50ng	4	✓	50.0	45.8	91.7
p1 Cal 5-100ng	5	✓	100.0	91.9	91.9
p1 Cal 6-250ng	6	✓	250.0	243.0	97.2
p1 Cal 7-500ng_r	7	✓	500.0	553.2	110.6
p1 Cal 8-1000ng	8	✓	1000.0	1193.2	119.3

TS

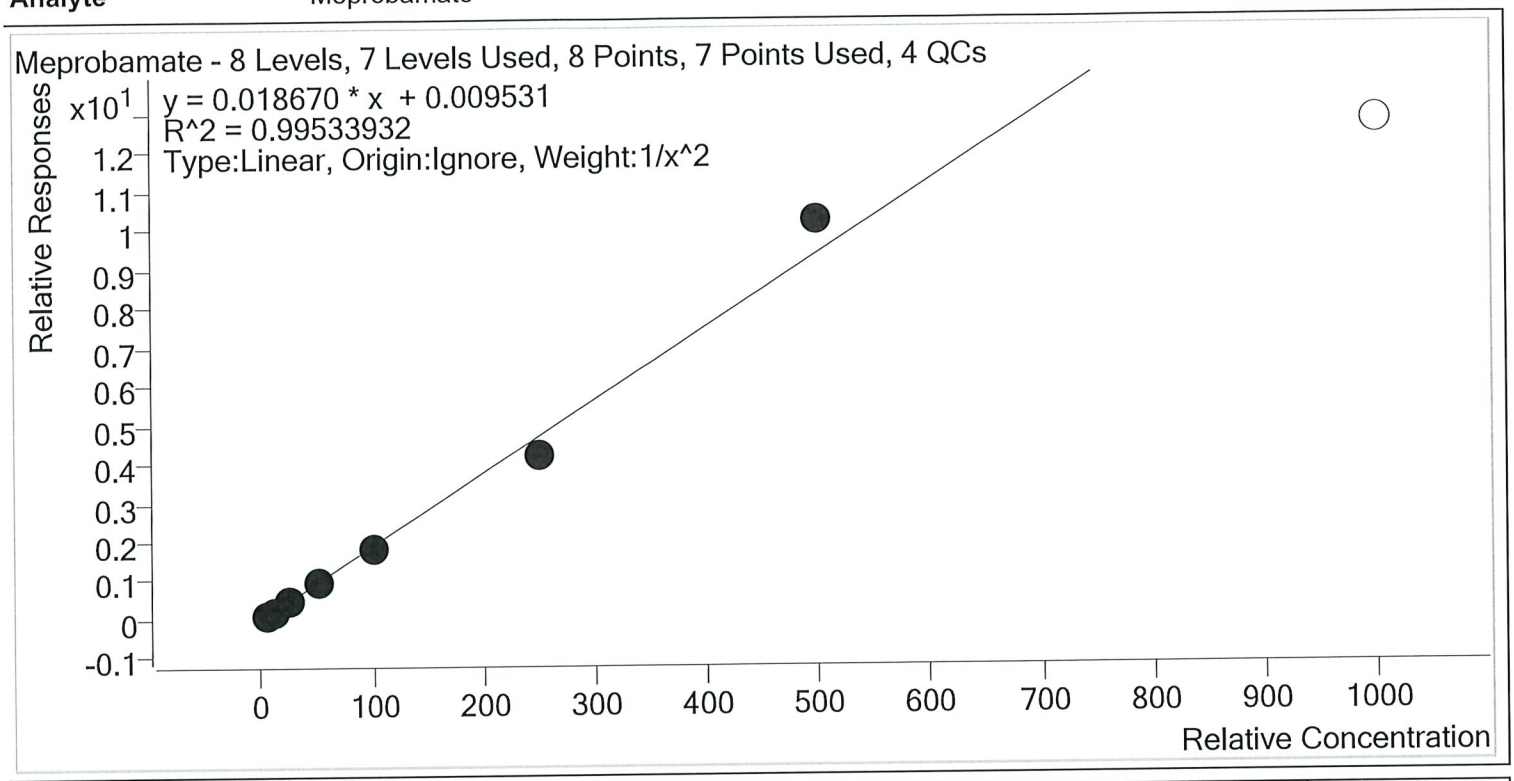
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin

Last Cal. Update 10/16/2019 1:41 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	5.0	99.2
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.6
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.5
p1 Cal 4-50ng	4	✓	50.0	51.7	103.3
p1 Cal 5-100ng	5	✓	100.0	96.4	96.4
p1 Cal 6-250ng	6	✓	250.0	226.6	90.7
p1 Cal 7-500ng_r	7	✓	500.0	546.3	109.3
p1 Cal 8-1000ng	8	×	1000.0	678.8	67.9

TS

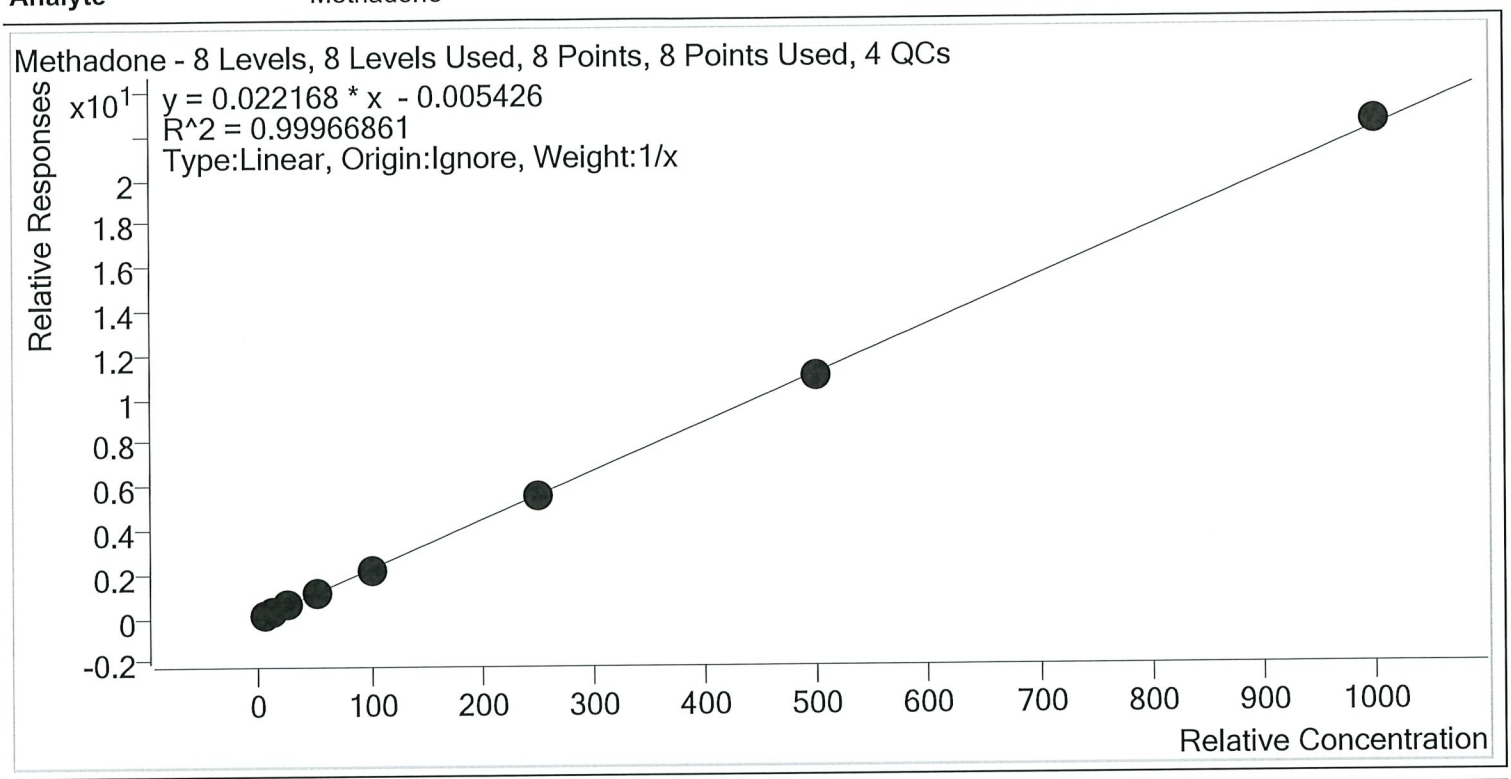
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin

Last Cal. Update 10/16/2019 1:41 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	5.4	107.0
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.3
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.4
p1 Cal 4-50ng	4	✓	50.0	50.2	100.4
p1 Cal 5-100ng	5	✓	100.0	94.4	94.4
p1 Cal 6-250ng	6	✓	250.0	248.5	99.4
p1 Cal 7-500ng_r	7	✓	500.0	494.1	98.8
p1 Cal 8-1000ng	8	✓	1000.0	1012.8	101.3

TS

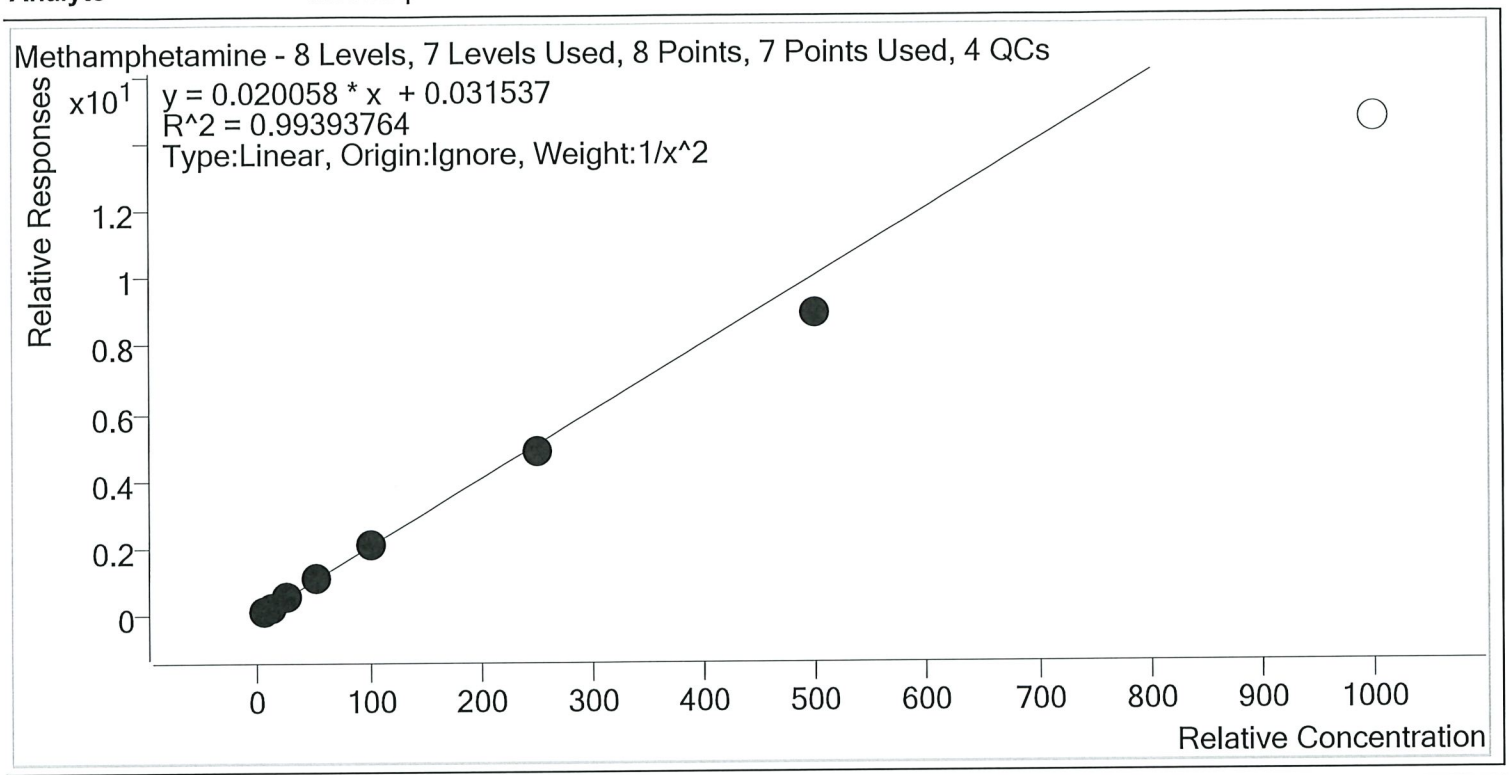
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin

Last Cal. Update 10/16/2019 1:41 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	96.3
p1 Cal 2- 10ng	2	✓	10.0	10.4	104.2
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.7
p1 Cal 4-50ng	4	✓	50.0	53.5	107.0
p1 Cal 5-100ng	5	✓	100.0	103.0	103.0
p1 Cal 6-250ng	6	✓	250.0	241.2	96.5
p1 Cal 7-500ng_r	7	✓	500.0	441.5	88.3
p1 Cal 8-1000ng	8	×	1000.0	728.8	72.9

TS

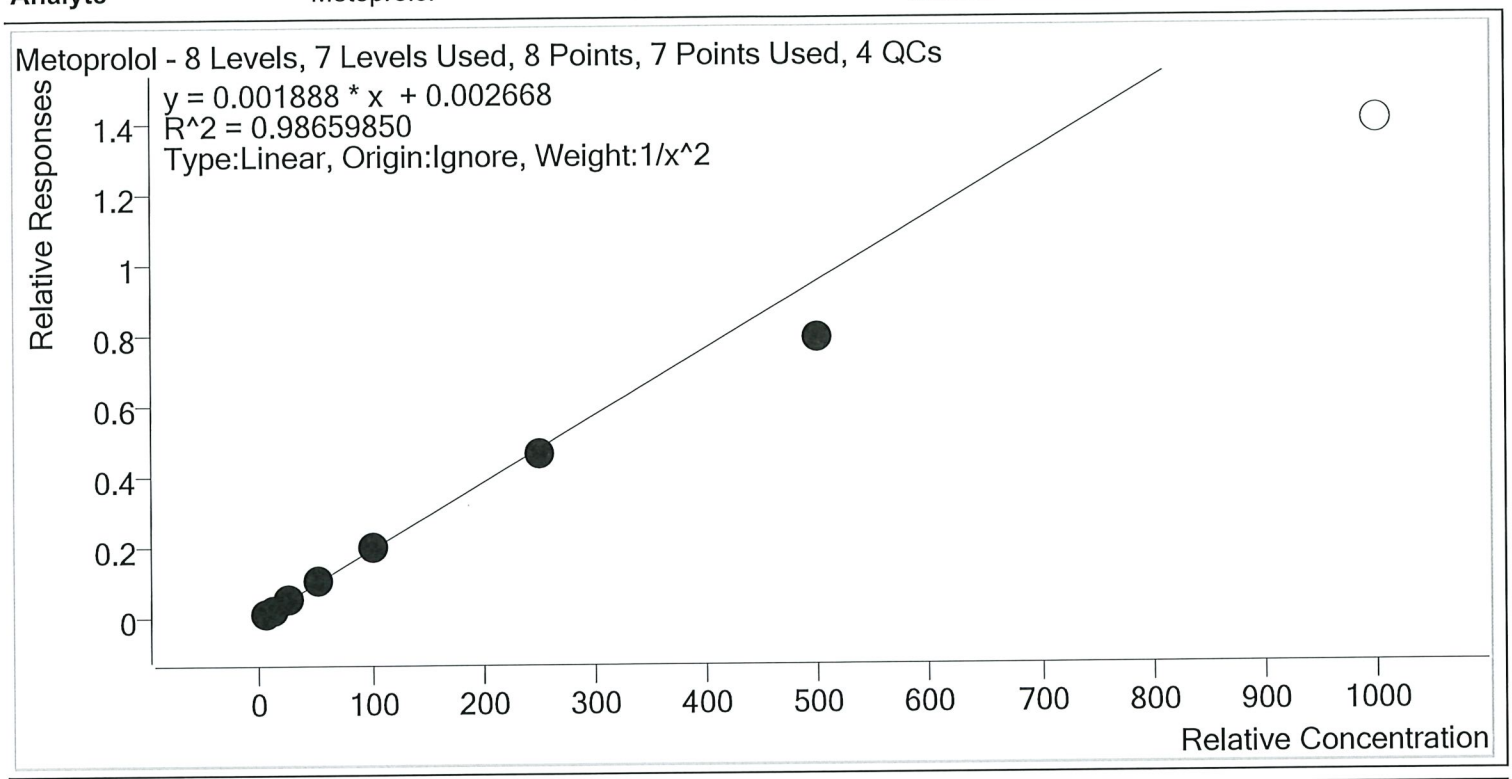
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin

Last Cal. Update 10/16/2019 1:41 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	4.7	94.2
p1 Cal 2- 10ng	2	✓	10.0	10.7	106.6
p1 Cal 3 -25ng	3	✓	25.0	27.0	107.9
p1 Cal 4-50ng	4	✓	50.0	55.5	111.1
p1 Cal 5-100ng	5	✓	100.0	101.6	101.6
p1 Cal 6-250ng	6	✓	250.0	240.5	96.2
p1 Cal 7-500ng_r	7	✓	500.0	412.7	82.5
p1 Cal 8-1000ng	8	×	1000.0	736.7	73.7

TS

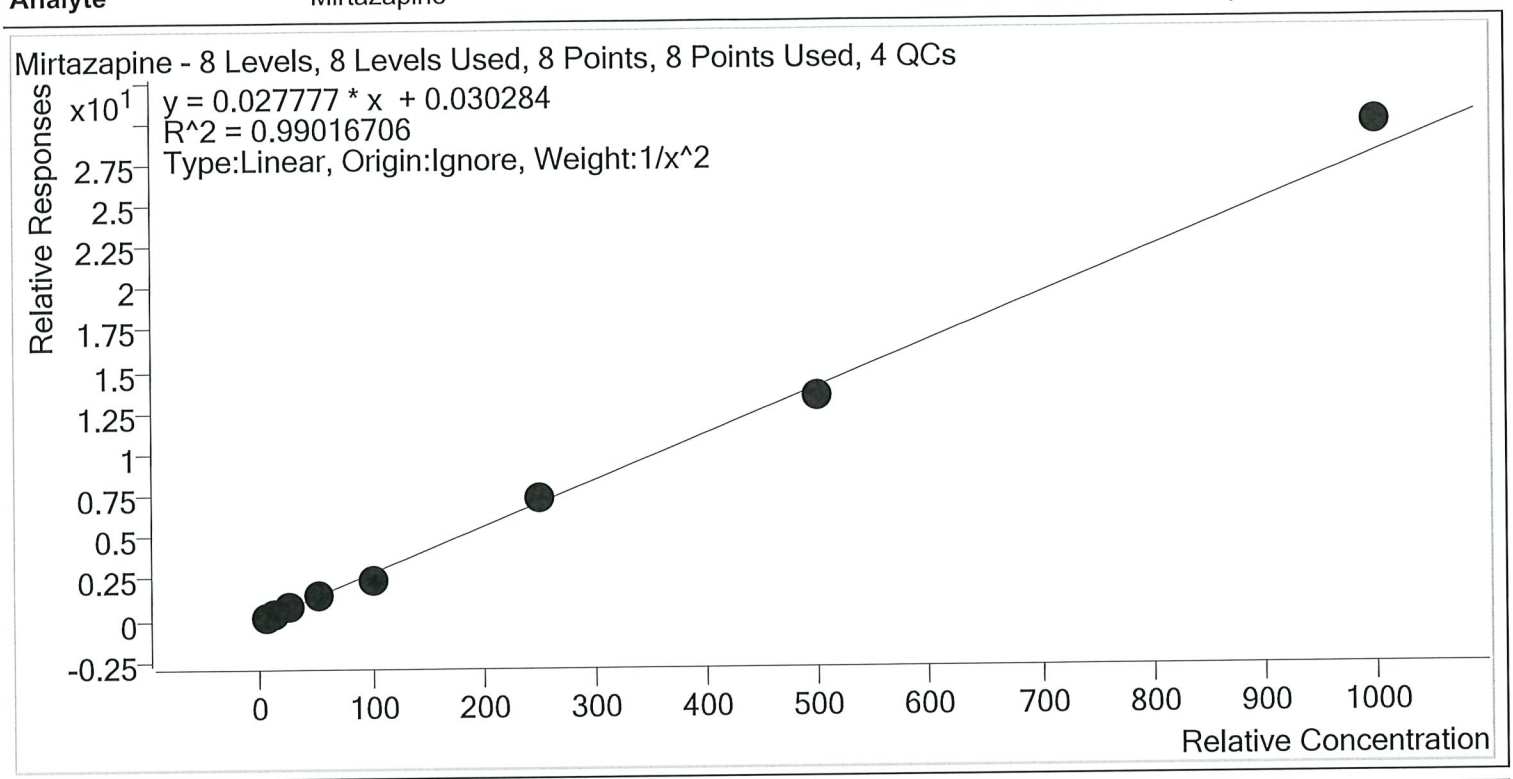
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin

Last Cal. Update 10/16/2019 1:41 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	4.8	95.4
p1 Cal 2- 10ng	2	✓	10.0	11.0	110.2
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.5
p1 Cal 4-50ng	4	✓	50.0	51.6	103.1
p1 Cal 5-100ng	5	✓	100.0	83.1	83.1
p1 Cal 6-250ng	6	✓	250.0	265.5	106.2
p1 Cal 7-500ng_r	7	✓	500.0	479.0	95.8
p1 Cal 8-1000ng	8	✓	1000.0	1066.9	106.7

TS

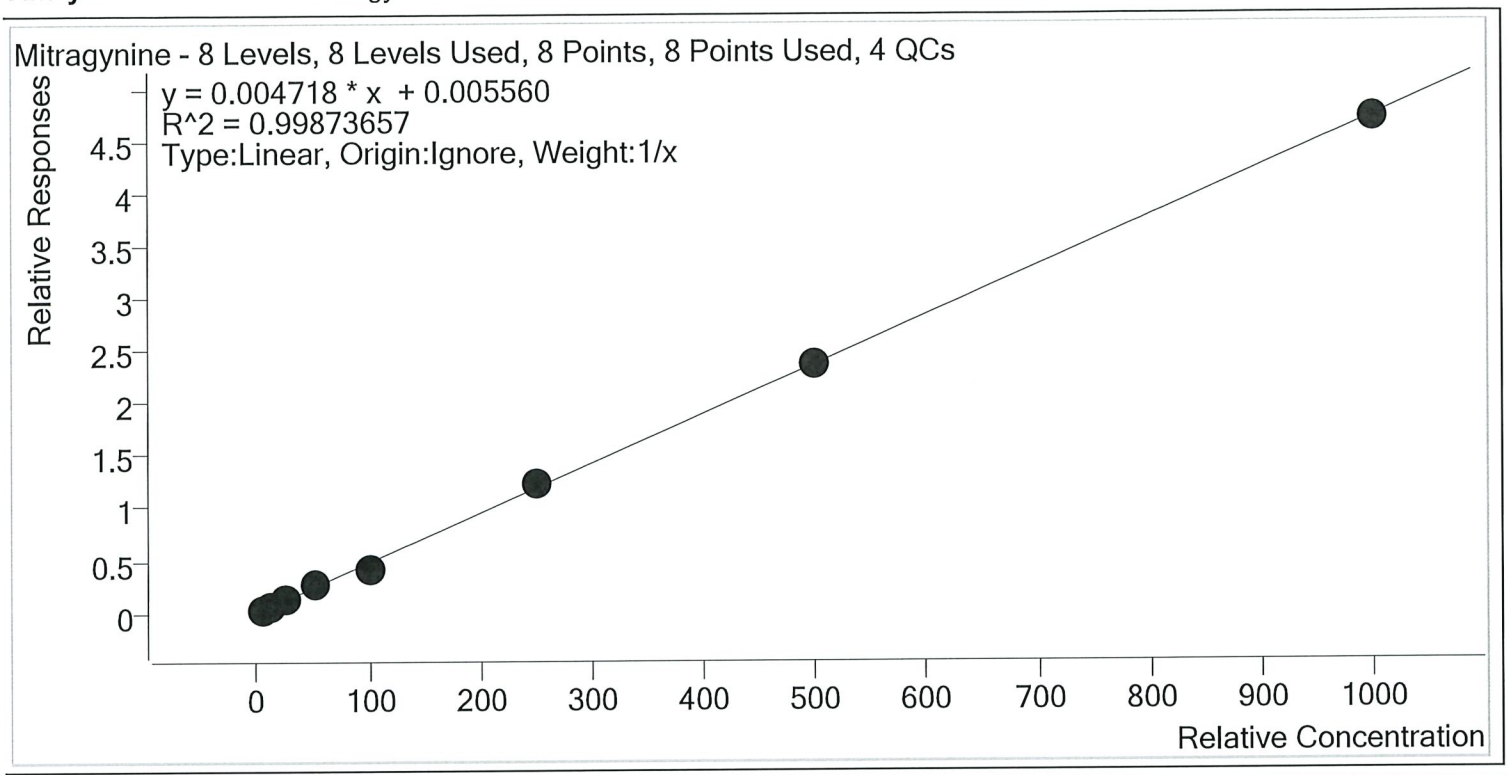
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin

Last Cal. Update 10/16/2019 1:41 PM

Analyst Name ISP\datastor

Analyte Mitragynine **Internal Standard** Methadone-D9



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.5	91.0
p1 Cal 2- 10ng	2	✓	10.0	10.3	102.8
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.4
p1 Cal 4-50ng	4	✓	50.0	54.7	109.3
p1 Cal 5-100ng	5	✓	100.0	88.3	88.3
p1 Cal 6-250ng	6	✓	250.0	258.4	103.4
p1 Cal 7-500ng_r	7	✓	500.0	501.6	100.3
p1 Cal 8-1000ng	8	✓	1000.0	995.9	99.6

TS

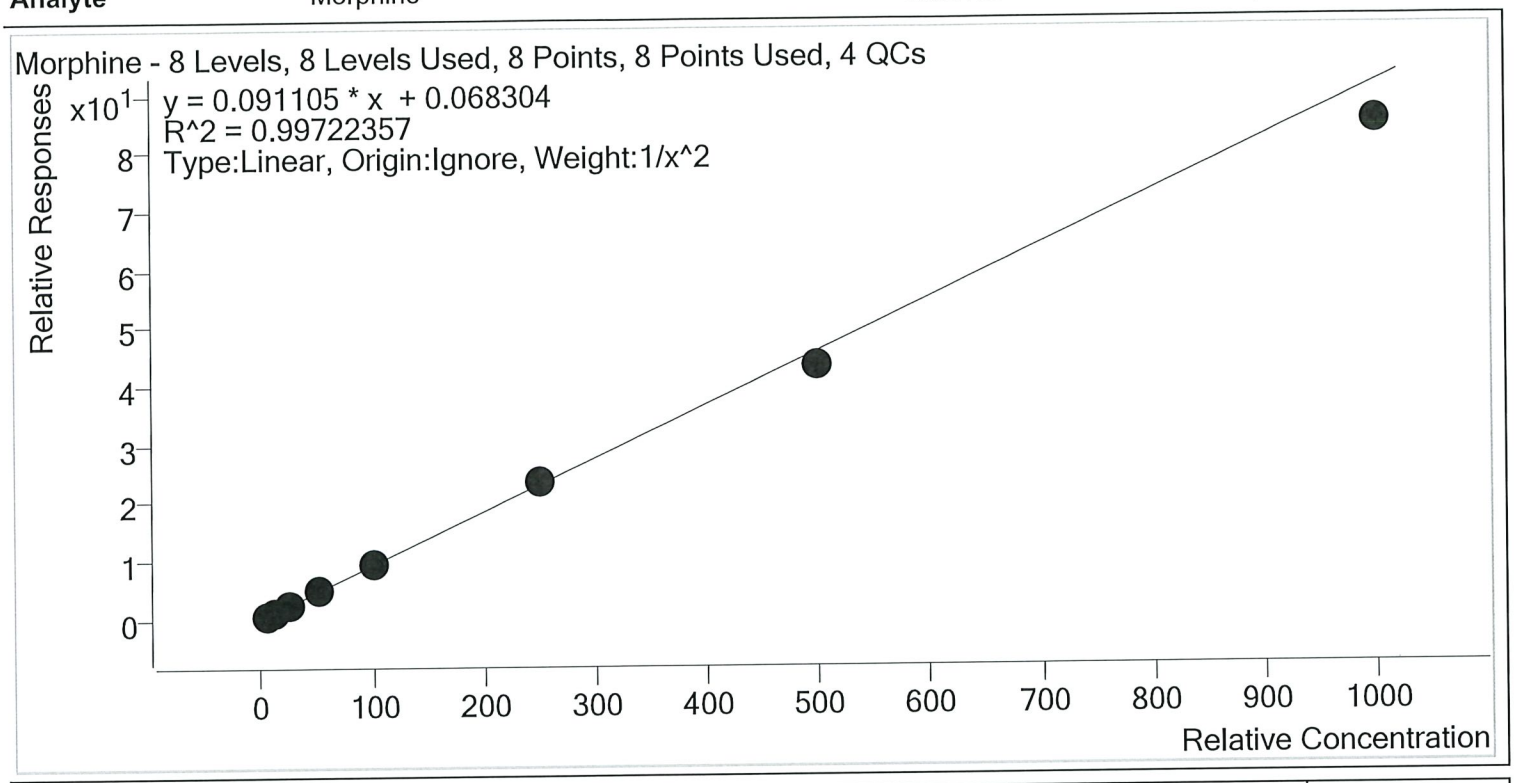
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin

Last Cal. Update 10/16/2019 1:41 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	4.8	96.9
p1 Cal 2- 10ng	2	✓	10.0	10.3	103.5
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.7
p1 Cal 4-50ng	4	✓	50.0	52.5	105.0
p1 Cal 5-100ng	5	✓	100.0	100.0	100.0
p1 Cal 6-250ng	6	✓	250.0	254.8	101.9
p1 Cal 7-500ng_r	7	✓	500.0	476.5	95.3
p1 Cal 8-1000ng	8	✓	1000.0	927.4	92.7

TS

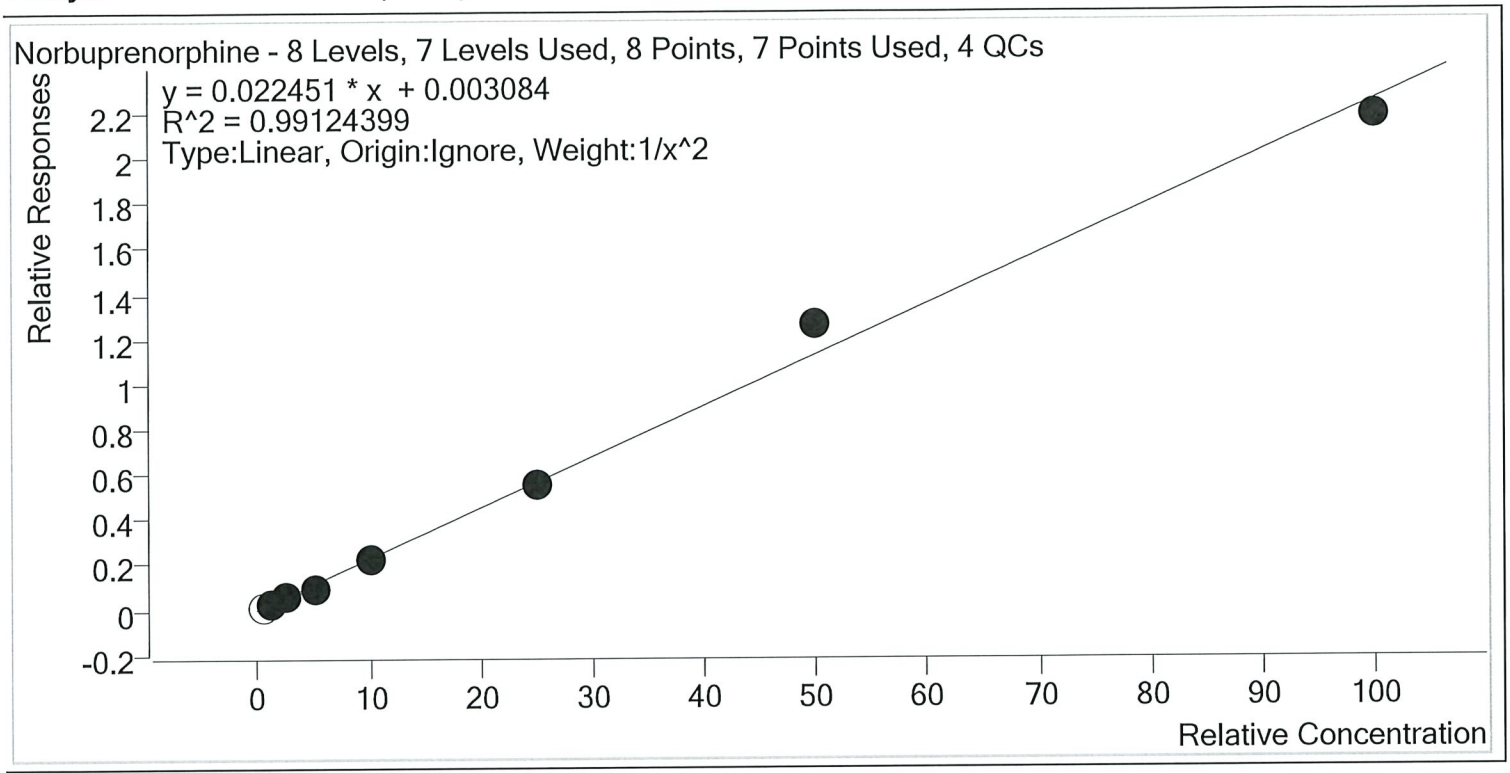
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin

Last Cal. Update 10/16/2019 1:41 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	91.0
p1 Cal 2- 10ng	2	✓	1.0	1.0	100.2
p1 Cal 3 -25ng	3	✓	2.5	2.6	105.9
p1 Cal 4-50ng	4	✓	5.0	4.3	86.7
p1 Cal 5-100ng	5	✓	10.0	10.0	100.1
p1 Cal 6-250ng	6	✓	25.0	24.4	97.4
p1 Cal 7-500ng_r	7	✓	50.0	56.4	112.8
p1 Cal 8-1000ng	8	✓	100.0	96.9	96.9

TS

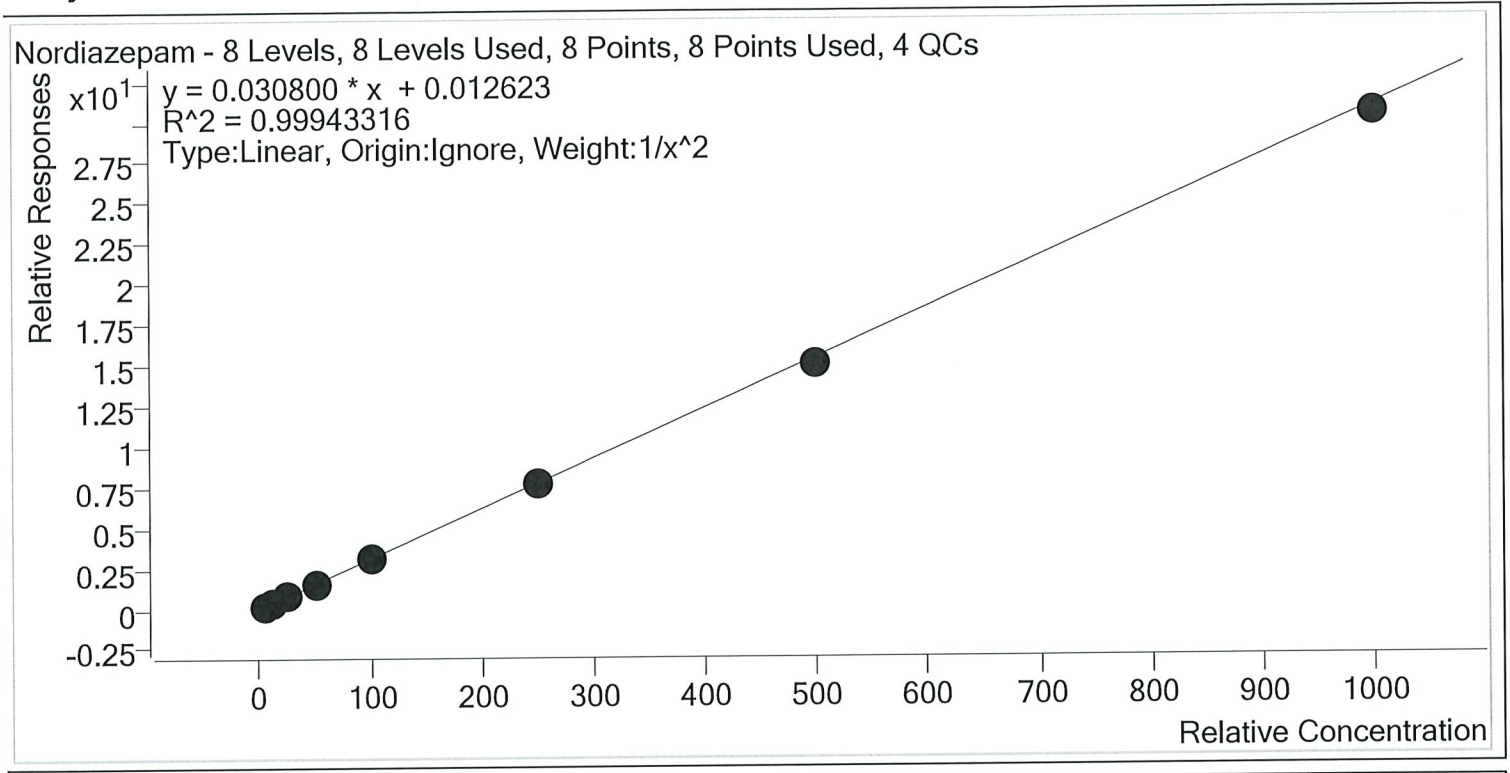
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin

Last Cal. Update 10/16/2019 1:41 PM

Analyst Name ISP\datastor

Analyte Nordiazepam **Internal Standard** Nordiazepam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.1
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.2
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.7
p1 Cal 4-50ng	4	✓	50.0	51.3	102.6
p1 Cal 5-100ng	5	✓	100.0	103.1	103.1
p1 Cal 6-250ng	6	✓	250.0	245.8	98.3
p1 Cal 7-500ng_r	7	✓	500.0	488.1	97.6
p1 Cal 8-1000ng	8	✓	1000.0	983.6	98.4

TS

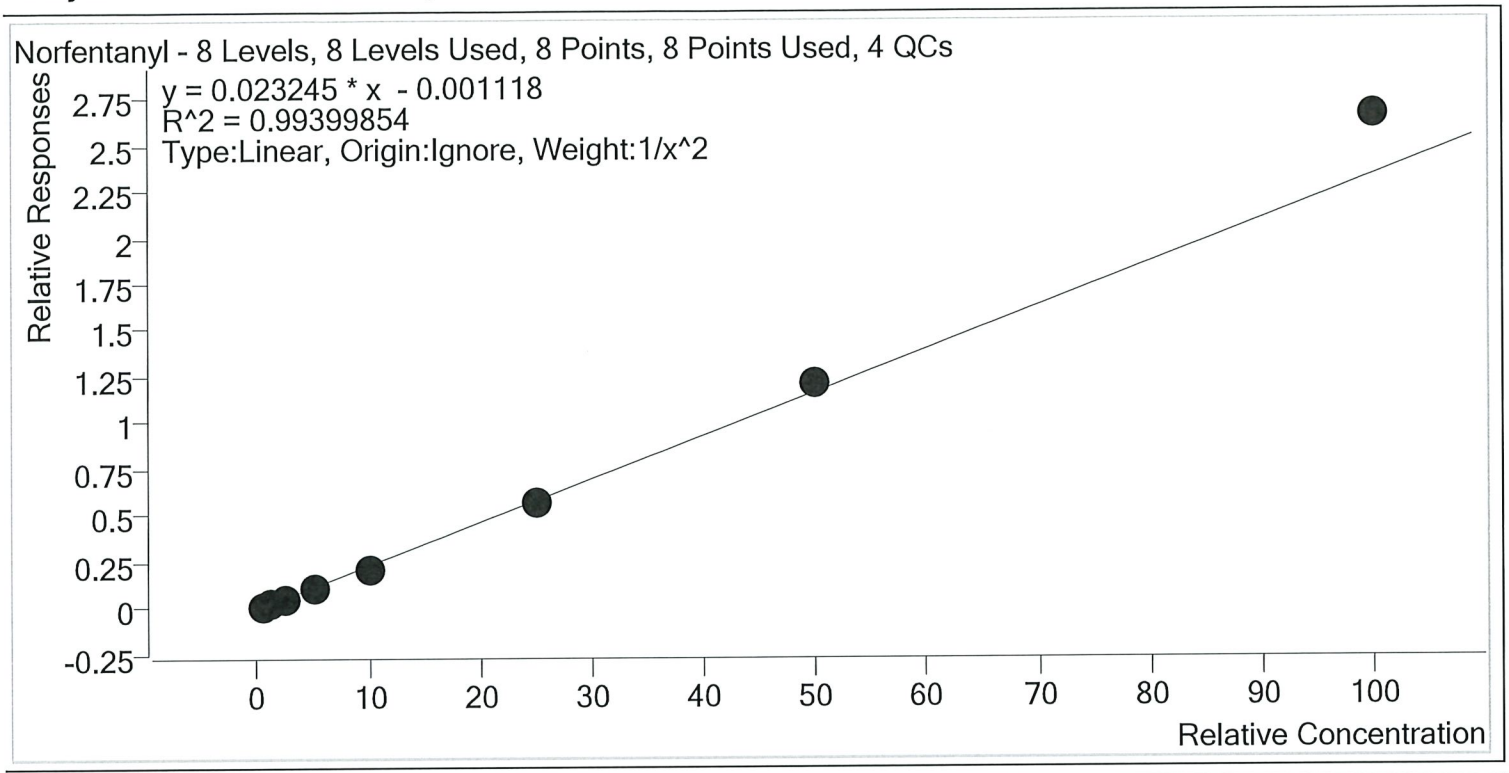
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin

Last Cal. Update 10/16/2019 1:41 PM

Analyst Name ISP\datastor

Analyte Norfentanyl **Internal Standard** Norfentanyl-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	102.9
p1 Cal 2- 10ng	2	✓	1.0	1.0	97.7
p1 Cal 3 -25ng	3	✓	2.5	2.4	95.6
p1 Cal 4-50ng	4	✓	5.0	4.7	93.9
p1 Cal 5-100ng	5	✓	10.0	9.4	93.7
p1 Cal 6-250ng	6	✓	25.0	24.7	99.0
p1 Cal 7-500ng_r	7	✓	50.0	51.7	103.4
p1 Cal 8-1000ng	8	✓	100.0	114.0	114.0

TS

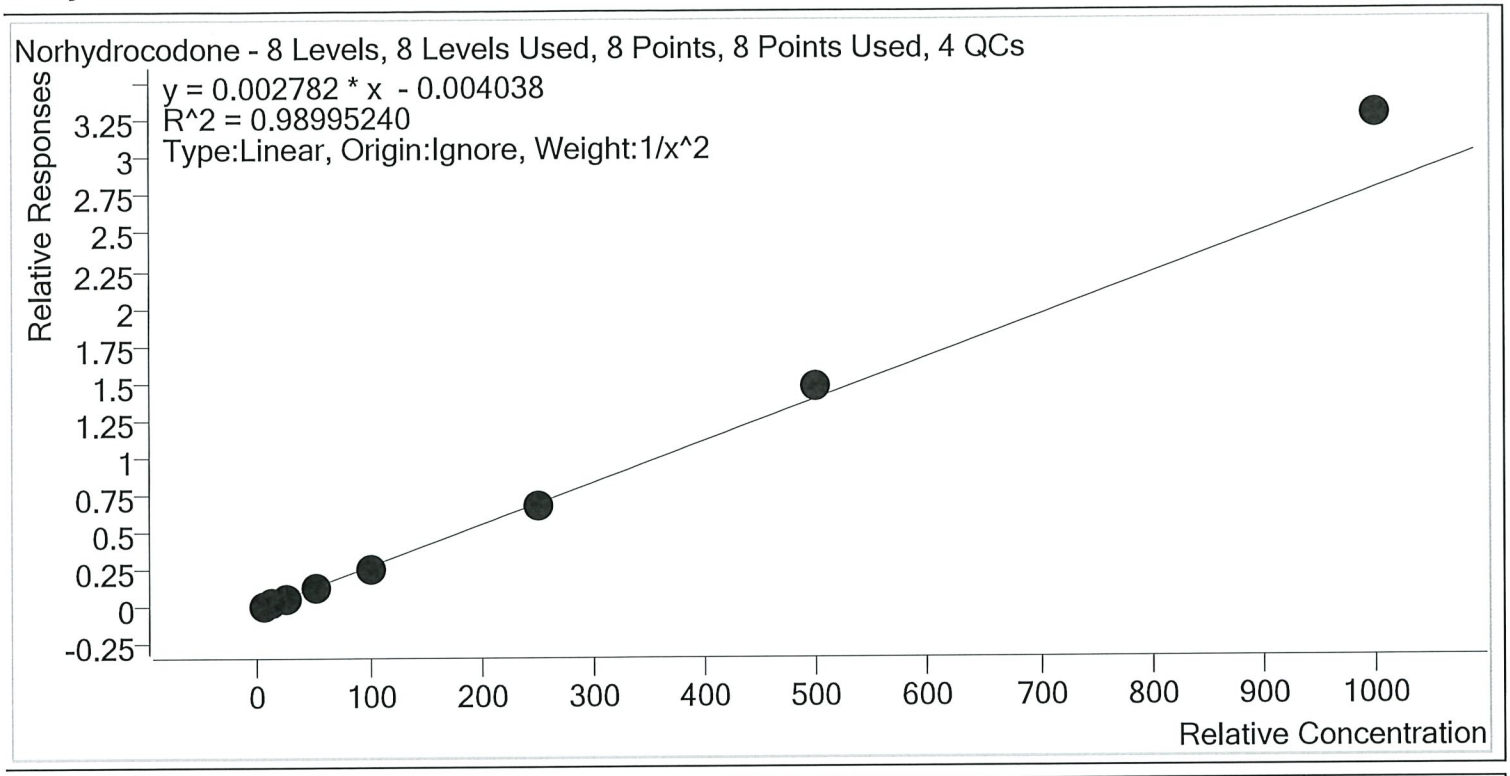
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin

Last Cal. Update 10/16/2019 1:41 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	5.2	103.9
p1 Cal 2- 10ng	2	✓	10.0	9.7	97.4
p1 Cal 3 -25ng	3	✓	25.0	23.0	91.8
p1 Cal 4-50ng	4	✓	50.0	46.3	92.6
p1 Cal 5-100ng	5	✓	100.0	94.4	94.4
p1 Cal 6-250ng	6	✓	250.0	241.5	96.6
p1 Cal 7-500ng_r	7	✓	500.0	526.8	105.4
p1 Cal 8-1000ng	8	✓	1000.0	1179.0	117.9

TS

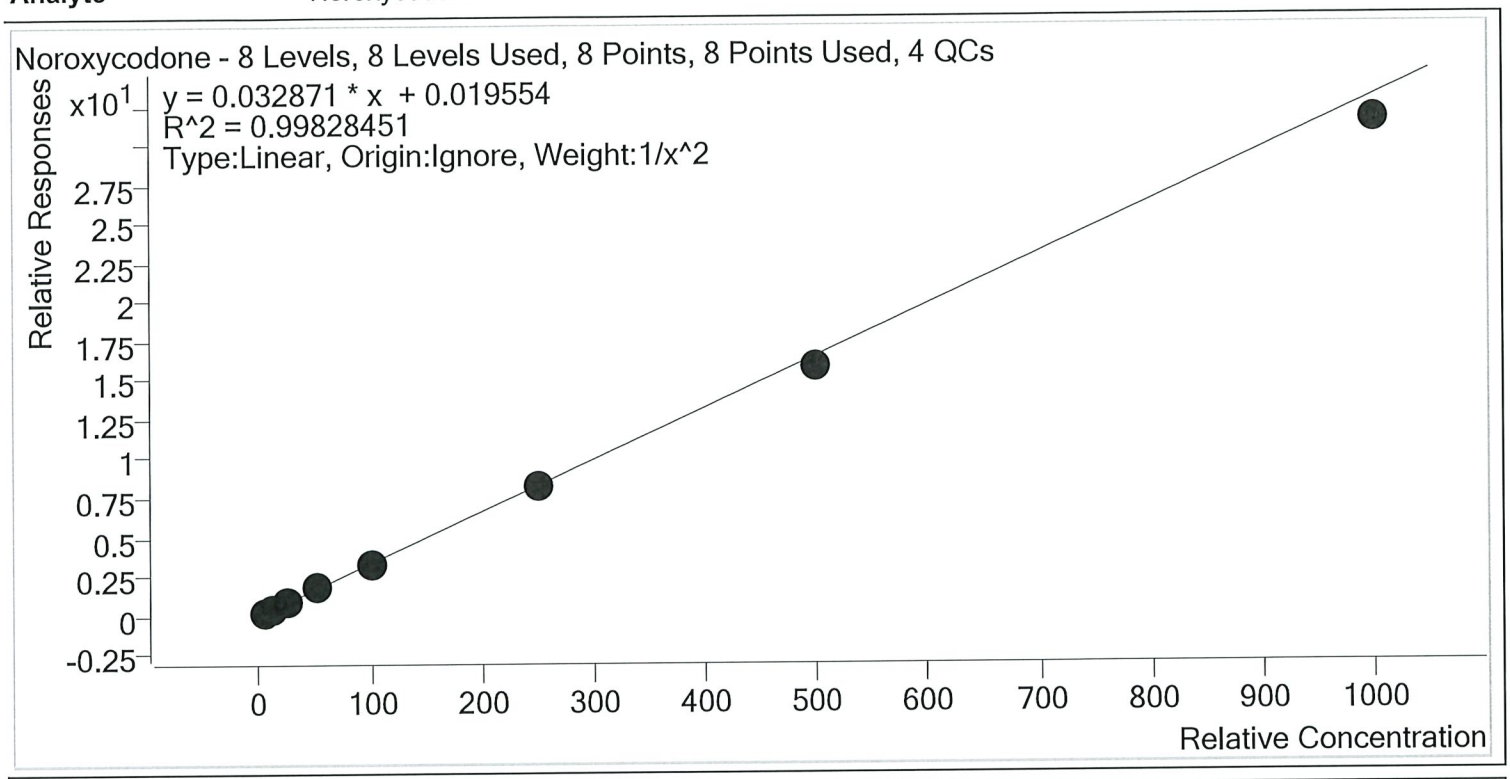
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin

Last Cal. Update 10/16/2019 1:41 PM

Analyst Name ISP\datastor

Analyte Noroxycodone **Internal Standard** Noroxycodone-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	10.0	99.8
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.1
p1 Cal 4-50ng	4	✓	50.0	52.6	105.1
p1 Cal 5-100ng	5	✓	100.0	100.8	100.8
p1 Cal 6-250ng	6	✓	250.0	247.3	98.9
p1 Cal 7-500ng_r	7	✓	500.0	481.0	96.2
p1 Cal 8-1000ng	8	✓	1000.0	954.6	95.5

TS

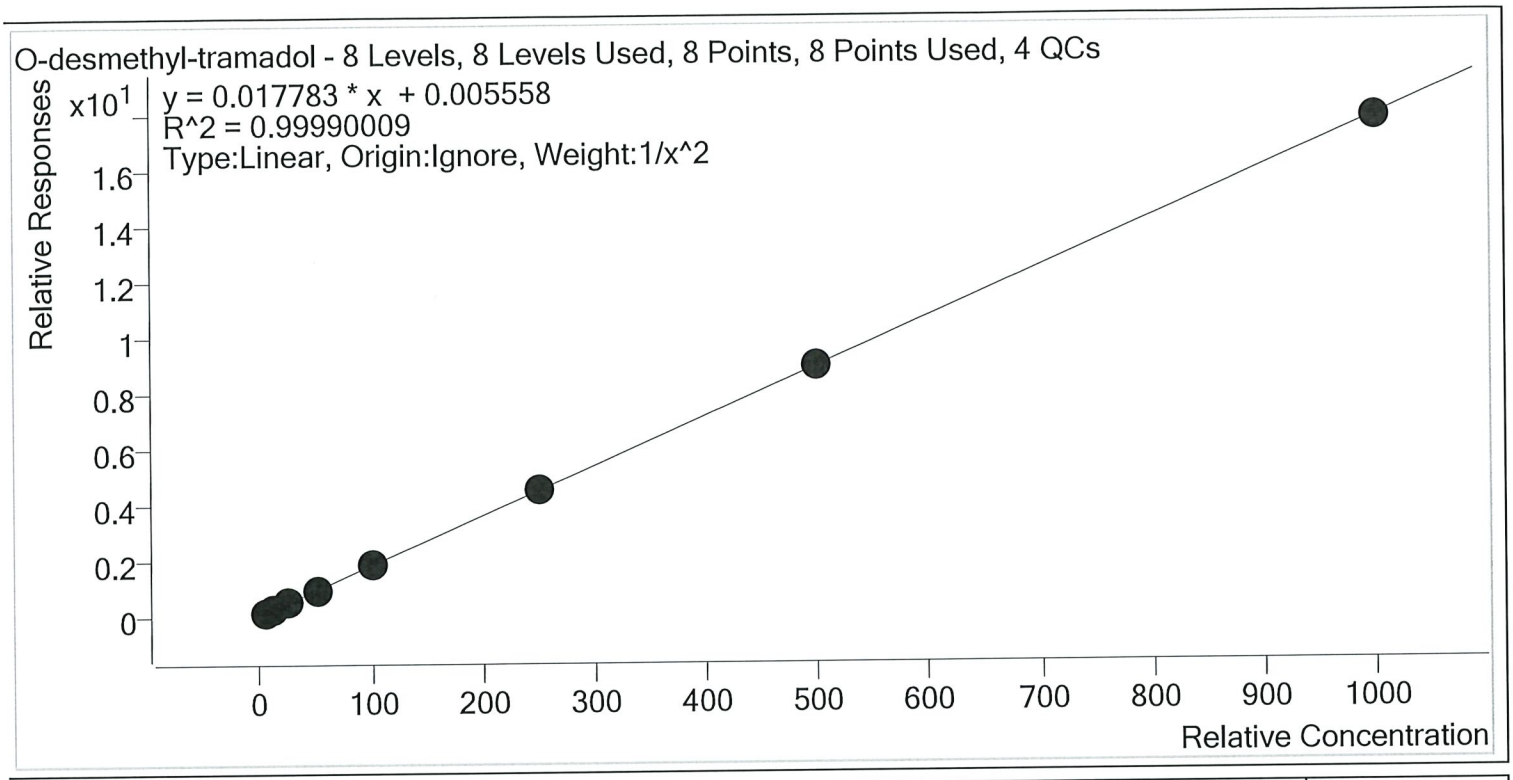
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin

Last Cal. Update 10/16/2019 1:41 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	100.3
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.6
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	99.0	99.0
p1 Cal 6-250ng	6	✓	250.0	250.8	100.3
p1 Cal 7-500ng_r	7	✓	500.0	504.4	100.9
p1 Cal 8-1000ng	8	✓	1000.0	996.6	99.7

TS

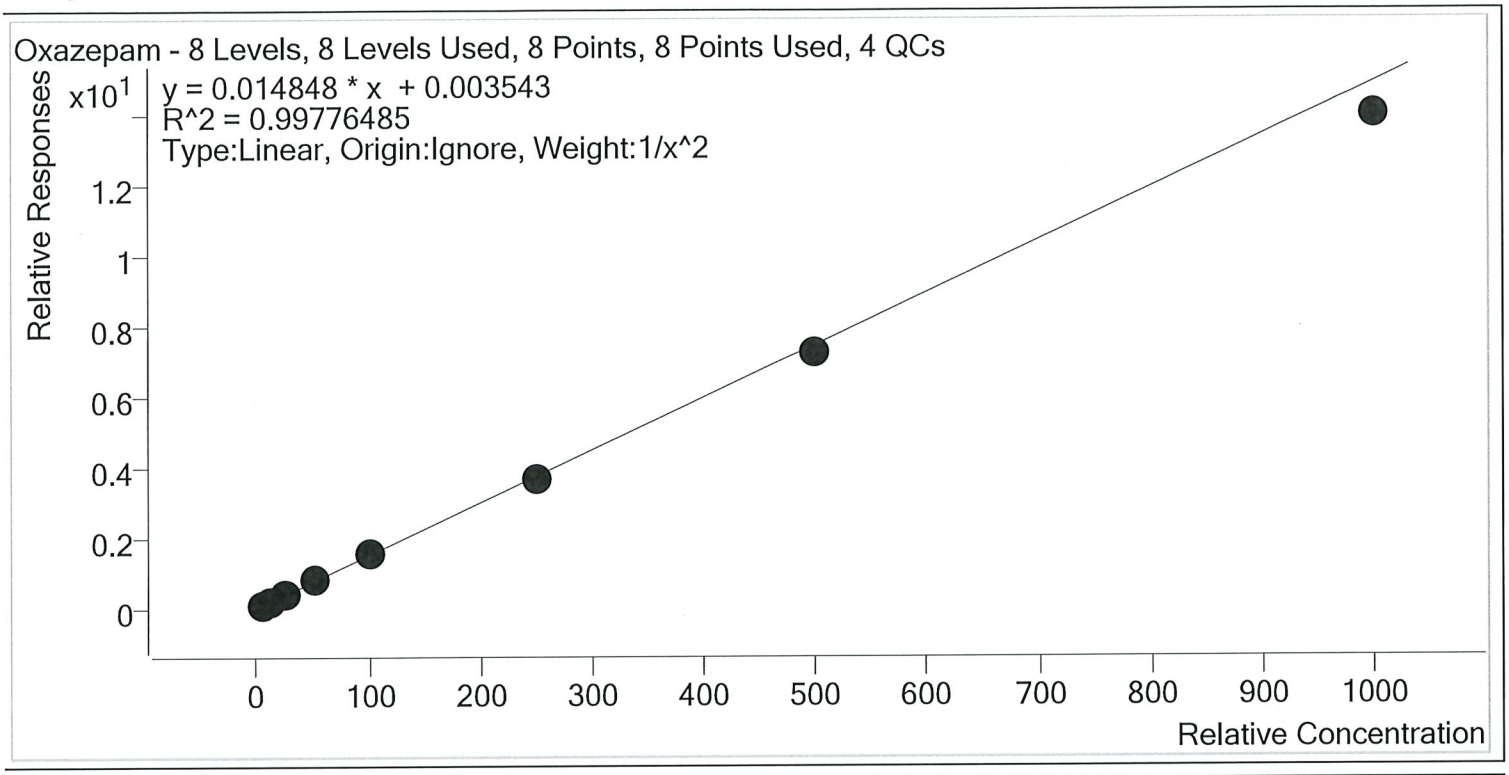
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin

Last Cal. Update 10/16/2019 1:41 PM

Analyst Name ISP\datastor

Analyte Oxazepam **Internal Standard** Oxazepam-D5



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	9.7	97.1
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.7
p1 Cal 4-50ng	4	✓	50.0	51.5	102.9
p1 Cal 5-100ng	5	✓	100.0	104.6	104.6
p1 Cal 6-250ng	6	✓	250.0	246.5	98.6
p1 Cal 7-500ng_r	7	✓	500.0	486.9	97.4
p1 Cal 8-1000ng	8	✓	1000.0	938.0	93.8

TS

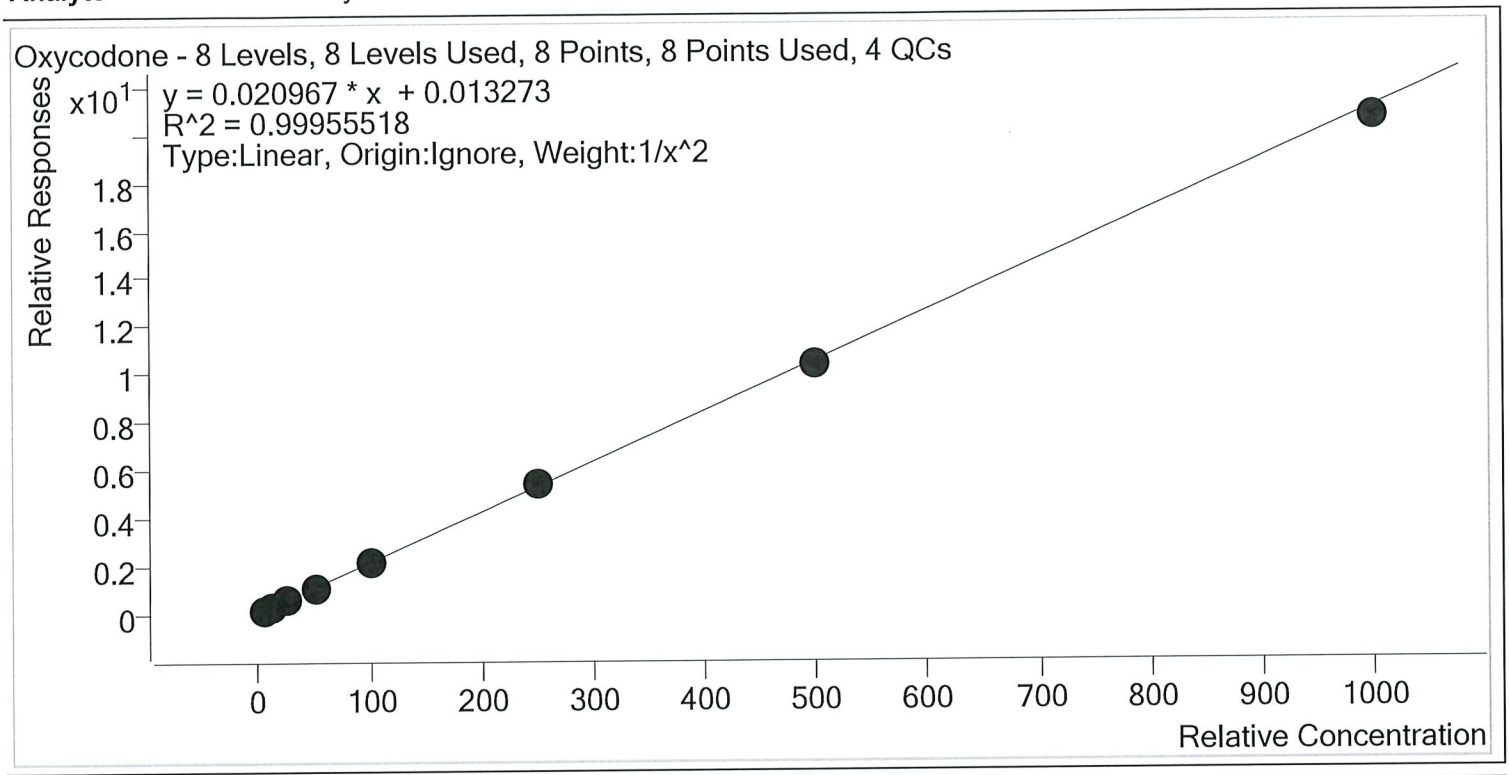
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin

Last Cal. Update 10/16/2019 1:41 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	99.1
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.9
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.2
p1 Cal 4-50ng	4	✓	50.0	51.5	103.1
p1 Cal 5-100ng	5	✓	100.0	98.8	98.8
p1 Cal 6-250ng	6	✓	250.0	252.4	101.0
p1 Cal 7-500ng_r	7	✓	500.0	489.8	98.0
p1 Cal 8-1000ng	8	✓	1000.0	979.8	98.0

TS

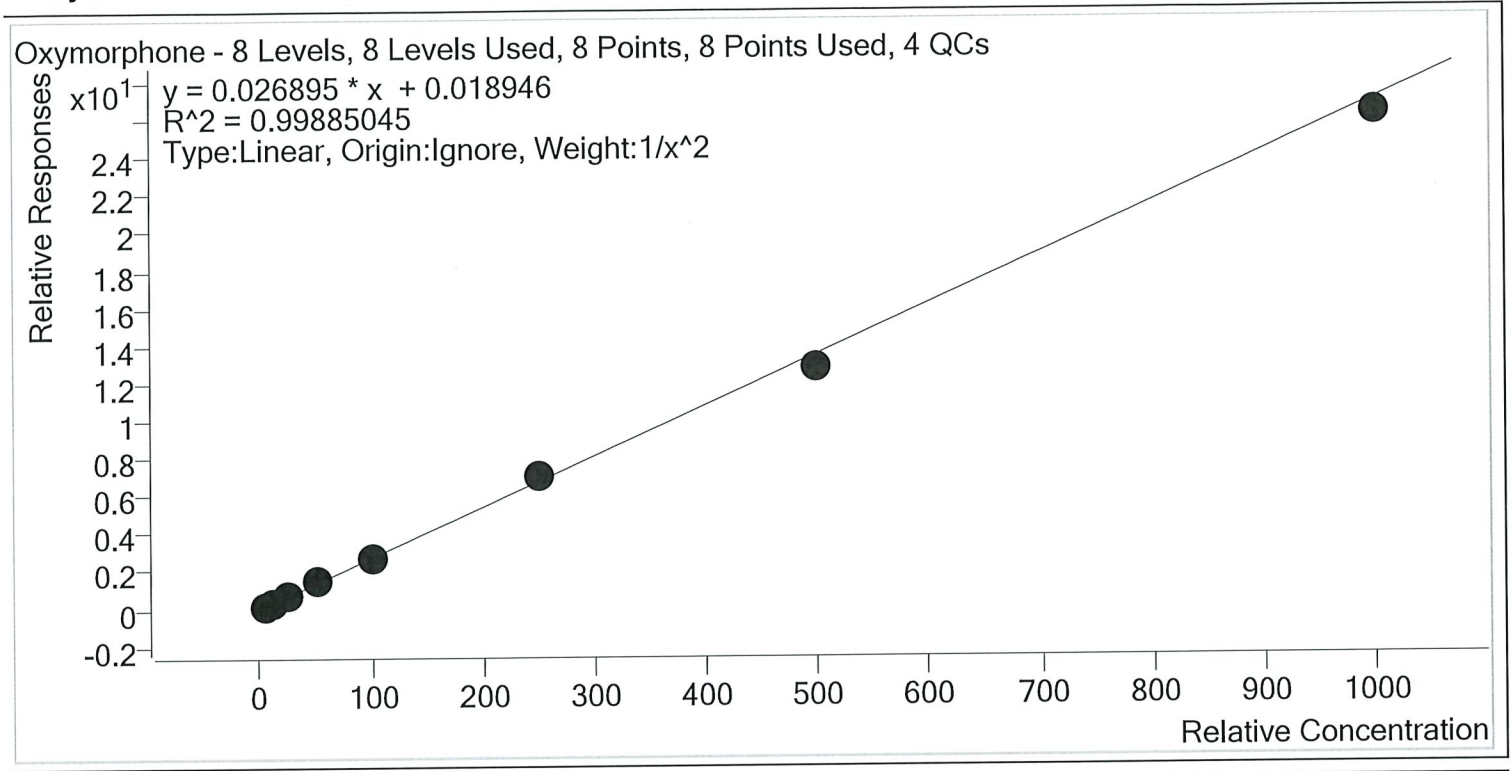
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin

Last Cal. Update 10/16/2019 1:41 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	98.9
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.8
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.1
p1 Cal 4-50ng	4	✓	50.0	51.9	103.8
p1 Cal 5-100ng	5	✓	100.0	98.3	98.3
p1 Cal 6-250ng	6	✓	250.0	257.9	103.2
p1 Cal 7-500ng_r	7	✓	500.0	477.7	95.5
p1 Cal 8-1000ng	8	✓	1000.0	973.3	97.3

TS

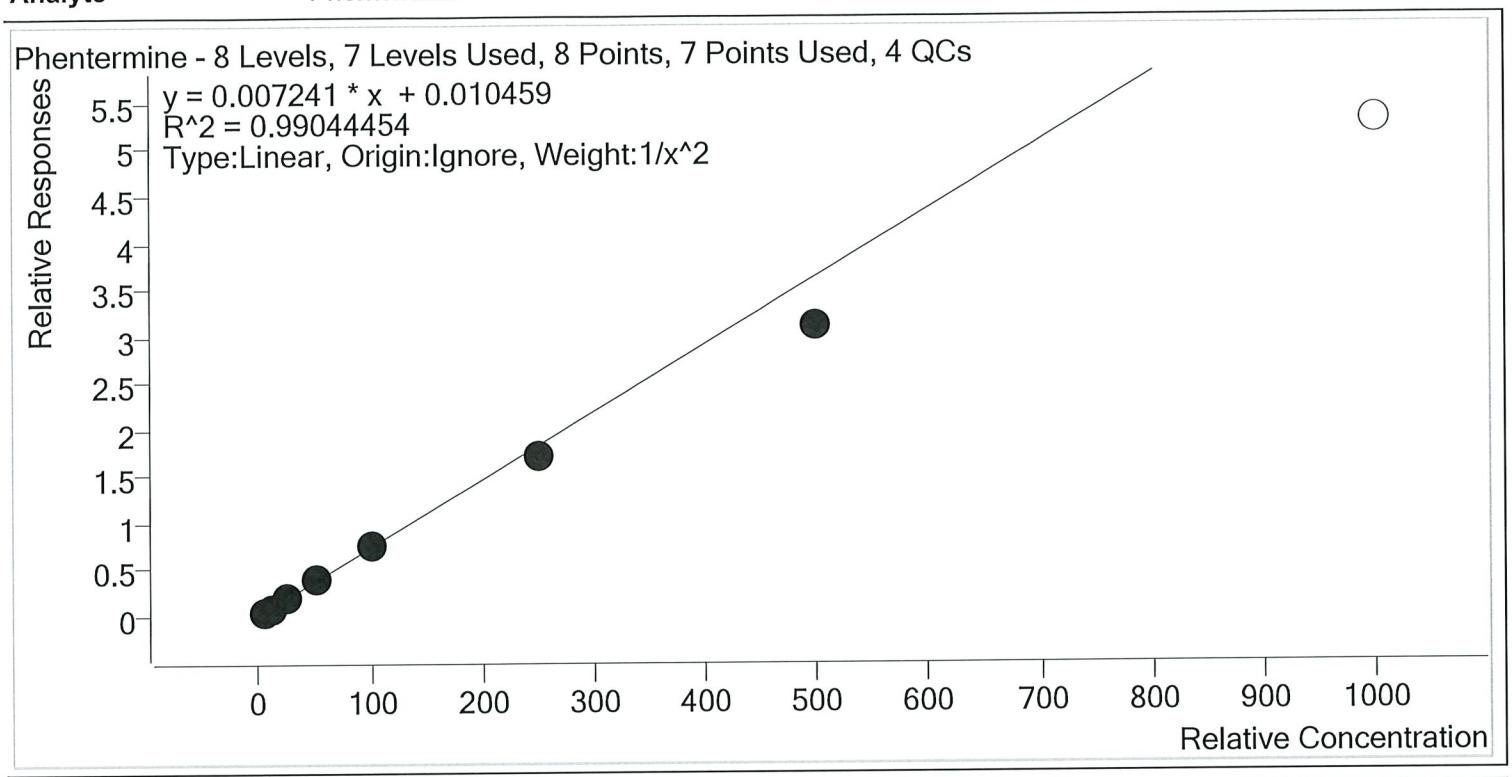
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin

Last Cal. Update 10/16/2019 1:41 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	96.2
p1 Cal 2- 10ng	2	✓	10.0	10.3	102.6
p1 Cal 3 -25ng	3	✓	25.0	27.3	109.3
p1 Cal 4-50ng	4	✓	50.0	53.2	106.3
p1 Cal 5-100ng	5	✓	100.0	105.4	105.4
p1 Cal 6-250ng	6	✓	250.0	236.2	94.5
p1 Cal 7-500ng_r	7	✓	500.0	428.4	85.7
p1 Cal 8-1000ng	8	×	1000.0	729.2	72.9

TS

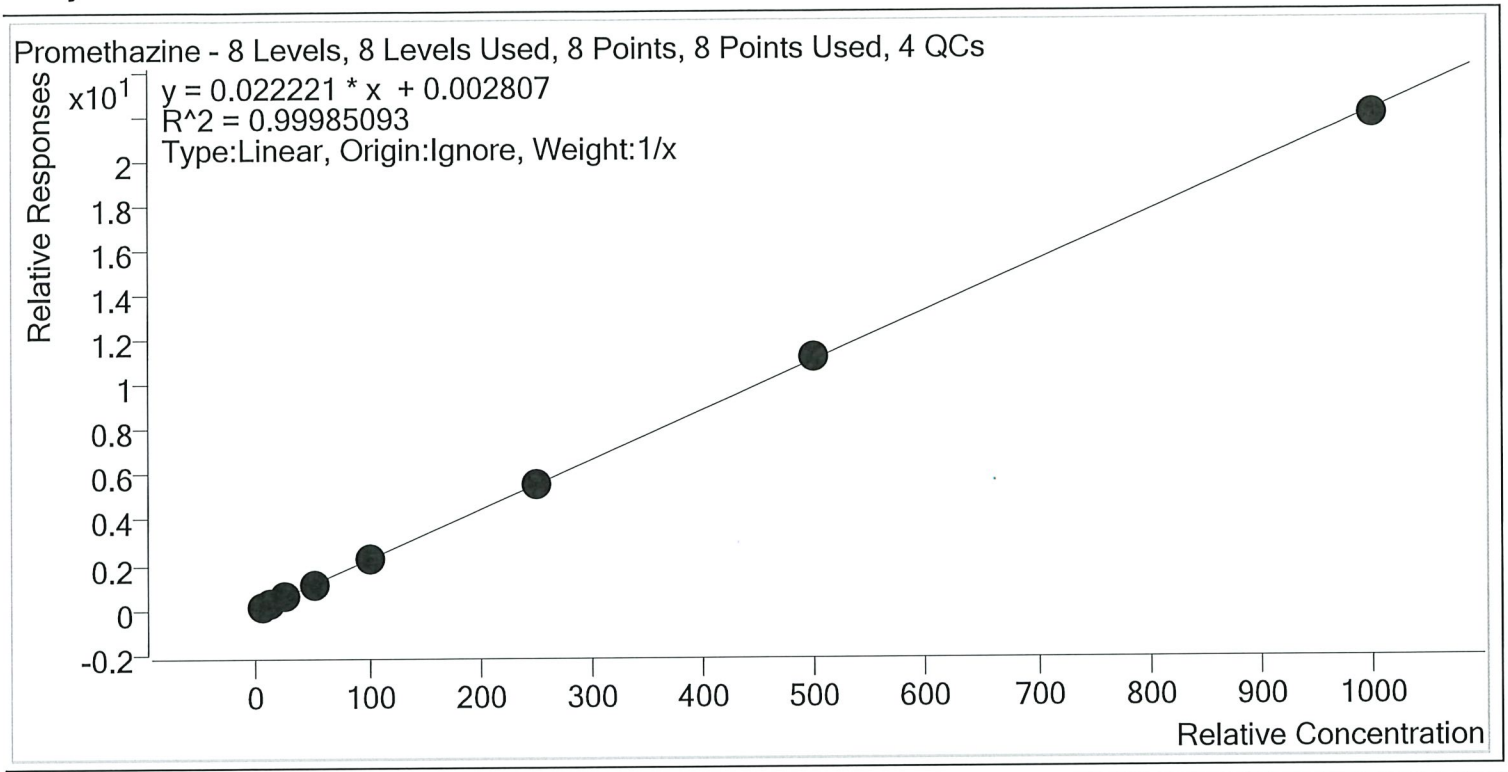
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin

Last Cal. Update 10/16/2019 1:41 PM

Analyst Name ISP\datastor

Analyte Promethazine **Internal Standard** Promethazine-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.0
p1 Cal 2- 10ng	2	✓	10.0	9.8	98.4
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.2
p1 Cal 4-50ng	4	✓	50.0	50.6	101.2
p1 Cal 5-100ng	5	✓	100.0	98.4	98.4
p1 Cal 6-250ng	6	✓	250.0	253.0	101.2
p1 Cal 7-500ng_r	7	✓	500.0	507.3	101.5
p1 Cal 8-1000ng	8	✓	1000.0	991.3	99.1

TS

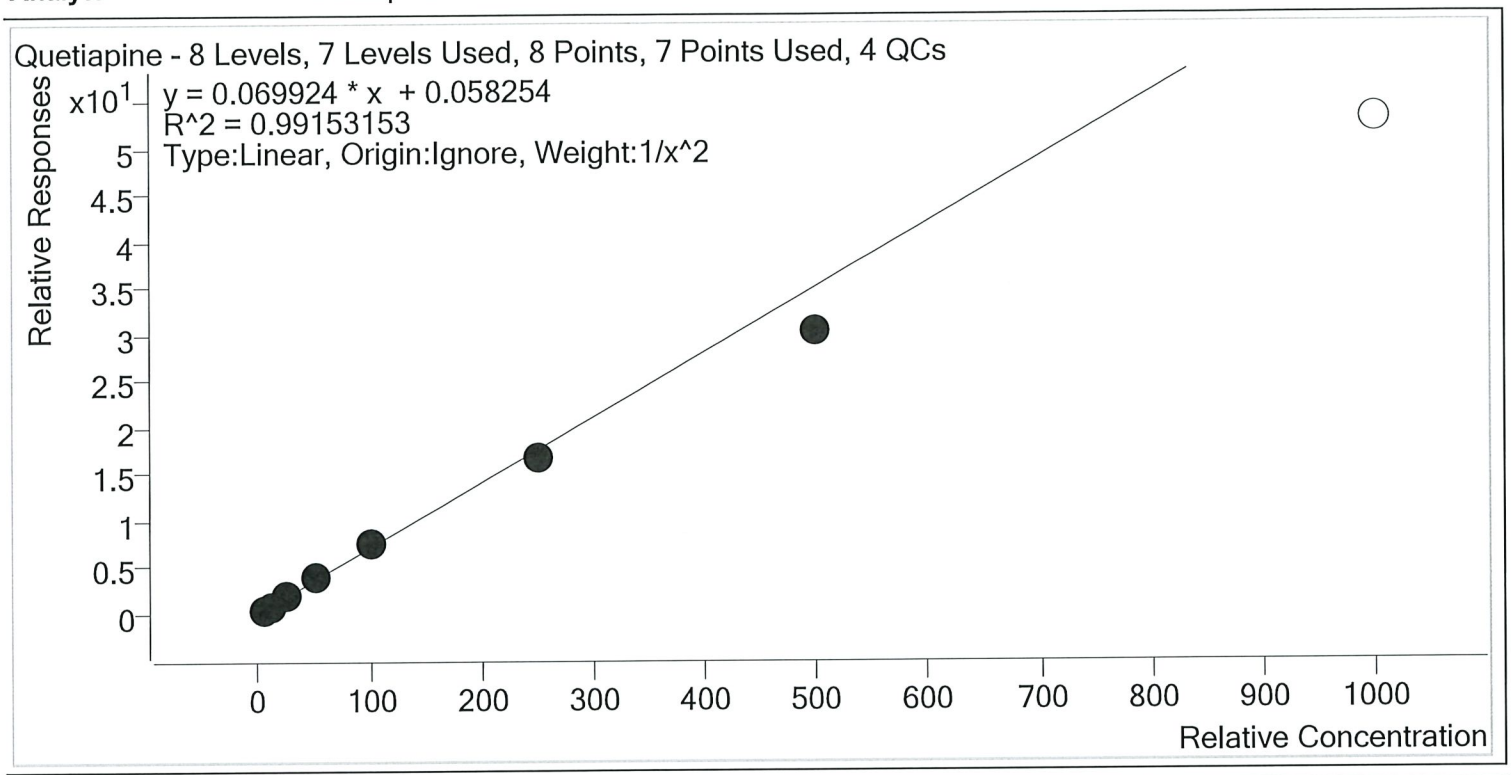
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin

Last Cal. Update 10/16/2019 1:41 PM

Analyst Name ISP\datastor

Analyte Quetiapine **Internal Standard** Quetiapine-D8



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	10.4	104.0
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.8
p1 Cal 4-50ng	4	✓	50.0	54.4	108.8
p1 Cal 5-100ng	5	✓	100.0	105.1	105.1
p1 Cal 6-250ng	6	✓	250.0	236.2	94.5
p1 Cal 7-500ng_r	7	✓	500.0	433.3	86.7
p1 Cal 8-1000ng	8	×	1000.0	757.0	75.7

TS

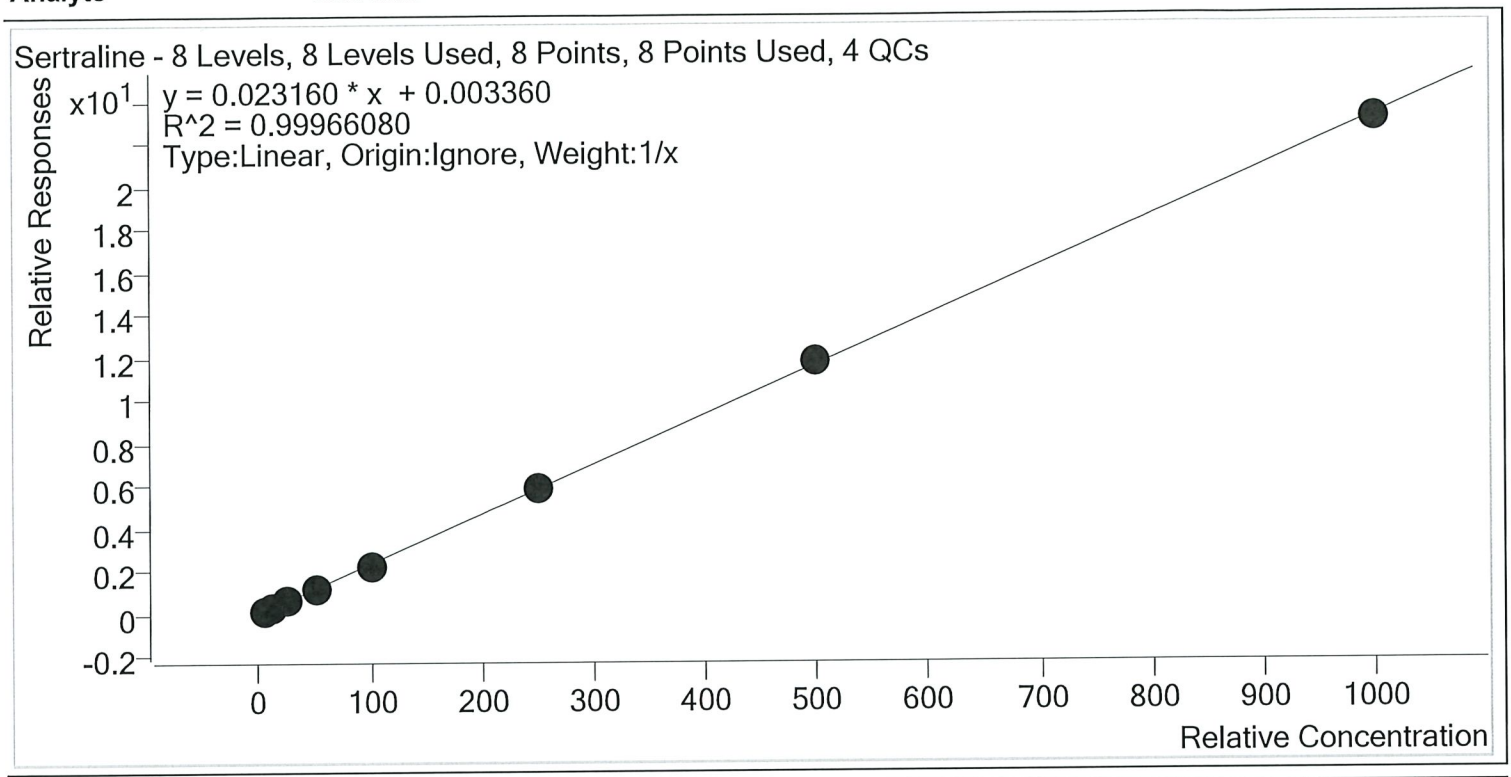
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin

Last Cal. Update 10/16/2019 1:41 PM

Analyst Name ISP\datastor

Analyte Sertraline **Internal Standard** Sertraline-D3



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	10.2	101.8
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.2
p1 Cal 4-50ng	4	✓	50.0	50.4	100.9
p1 Cal 5-100ng	5	✓	100.0	94.3	94.3
p1 Cal 6-250ng	6	✓	250.0	250.6	100.3
p1 Cal 7-500ng_r	7	✓	500.0	510.5	102.1
p1 Cal 8-1000ng	8	✓	1000.0	993.7	99.4

TS

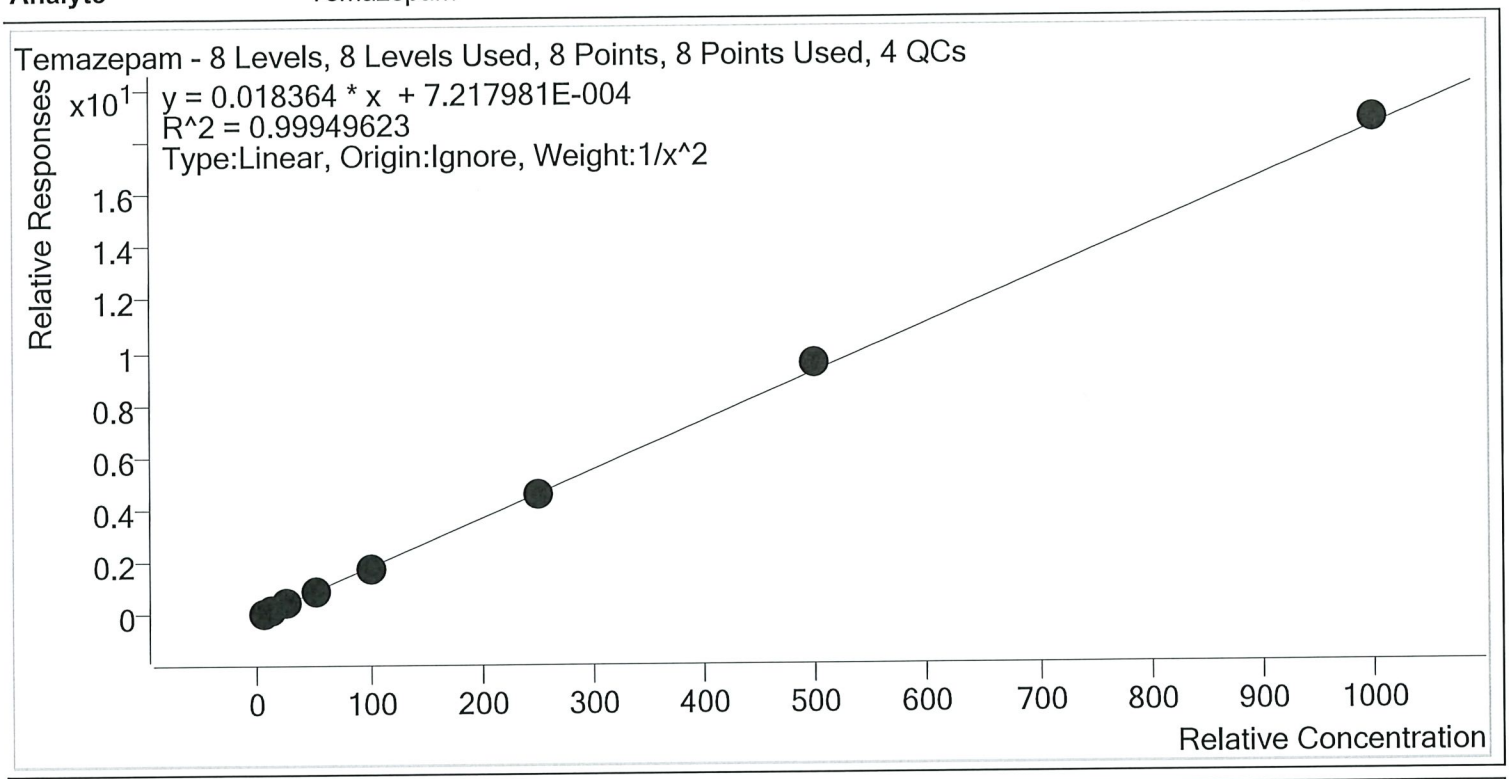
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin

Last Cal. Update 10/16/2019 1:41 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	5.0	100.9
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.1
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.7
p1 Cal 4-50ng	4	✓	50.0	49.8	99.6
p1 Cal 5-100ng	5	✓	100.0	97.0	97.0
p1 Cal 6-250ng	6	✓	250.0	249.5	99.8
p1 Cal 7-500ng_r	7	✓	500.0	517.3	103.5
p1 Cal 8-1000ng	8	✓	1000.0	1015.0	101.5

TS

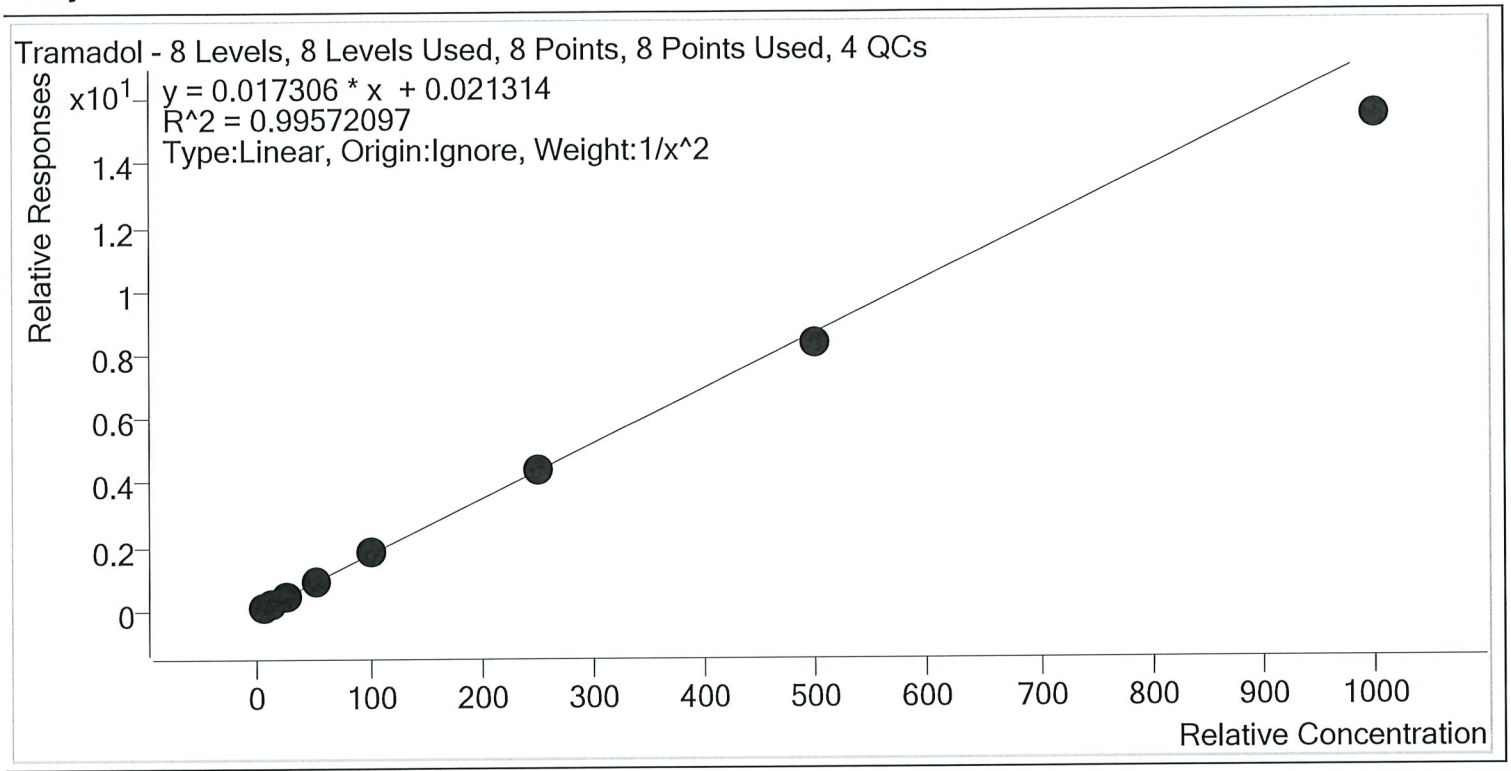
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin

Last Cal. Update 10/16/2019 1:41 PM

Analyst Name ISP\datastor

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.4
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.9
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.8
p1 Cal 4-50ng	4	✓	50.0	53.4	106.8
p1 Cal 5-100ng	5	✓	100.0	102.3	102.3
p1 Cal 6-250ng	6	✓	250.0	255.1	102.0
p1 Cal 7-500ng_r	7	✓	500.0	479.2	95.8
p1 Cal 8-1000ng	8	✓	1000.0	890.1	89.0

TS

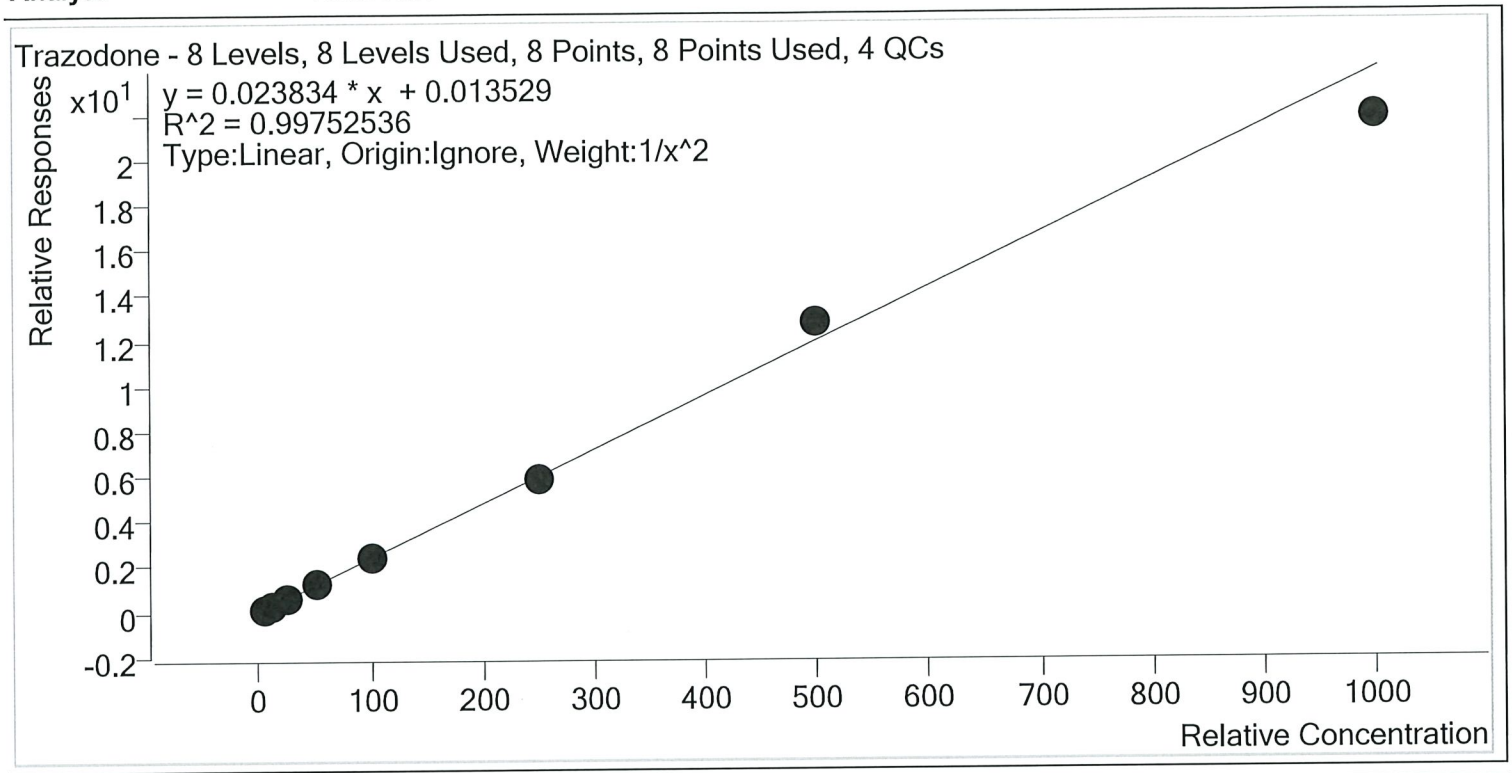
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin

Last Cal. Update 10/16/2019 1:41 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	99.1
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.2
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.5
p1 Cal 4-50ng	4	✓	50.0	51.3	102.6
p1 Cal 5-100ng	5	✓	100.0	99.5	99.5
p1 Cal 6-250ng	6	✓	250.0	247.9	99.2
p1 Cal 7-500ng_r	7	✓	500.0	533.3	106.7
p1 Cal 8-1000ng	8	✓	1000.0	912.7	91.3

TS

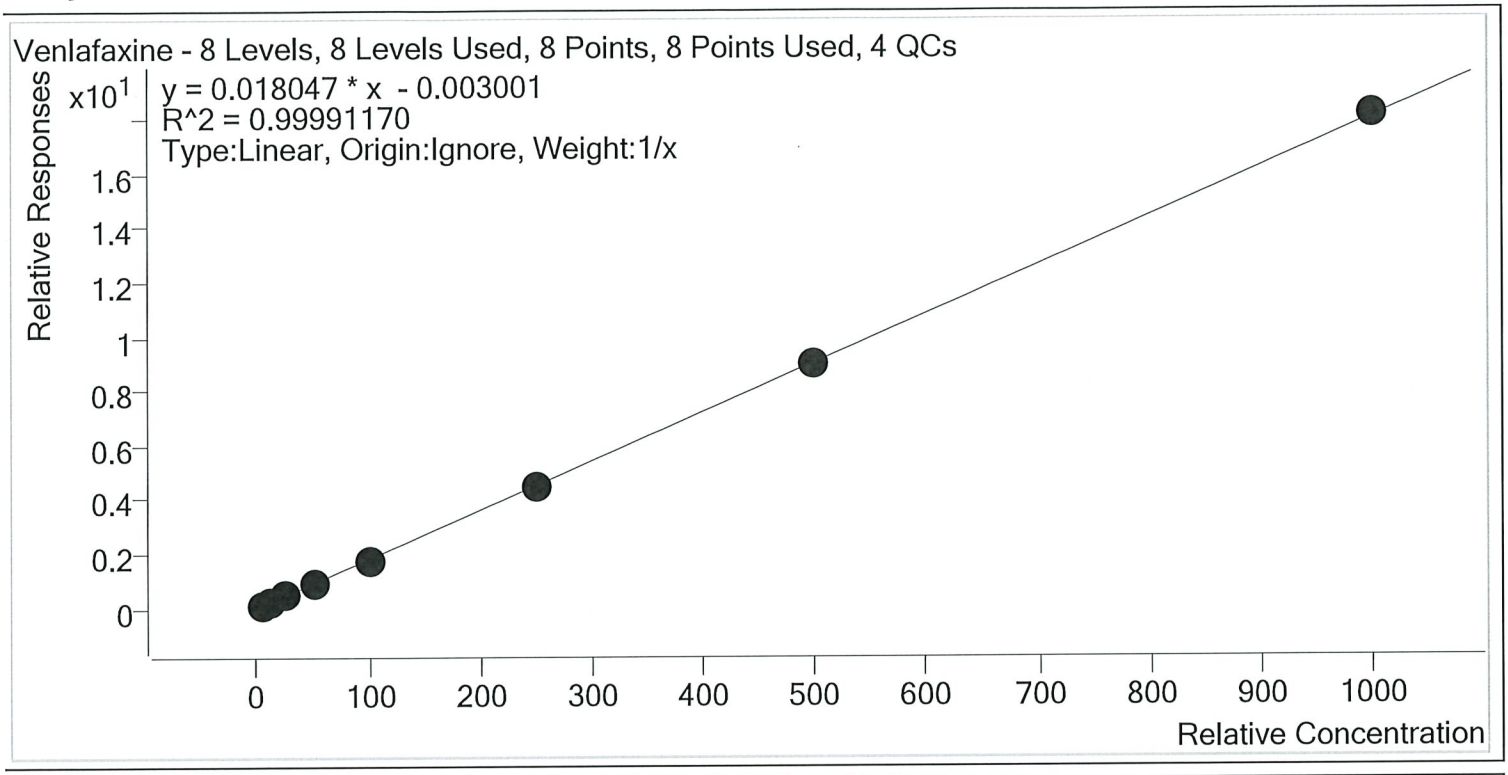
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin

Last Cal. Update 10/16/2019 1:41 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	5.3	105.9
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.8
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.2
p1 Cal 4-50ng	4	✓	50.0	49.5	99.1
p1 Cal 5-100ng	5	✓	100.0	97.6	97.6
p1 Cal 6-250ng	6	✓	250.0	247.1	98.8
p1 Cal 7-500ng_r	7	✓	500.0	500.2	100.0
p1 Cal 8-1000ng	8	✓	1000.0	1005.8	100.6

TS

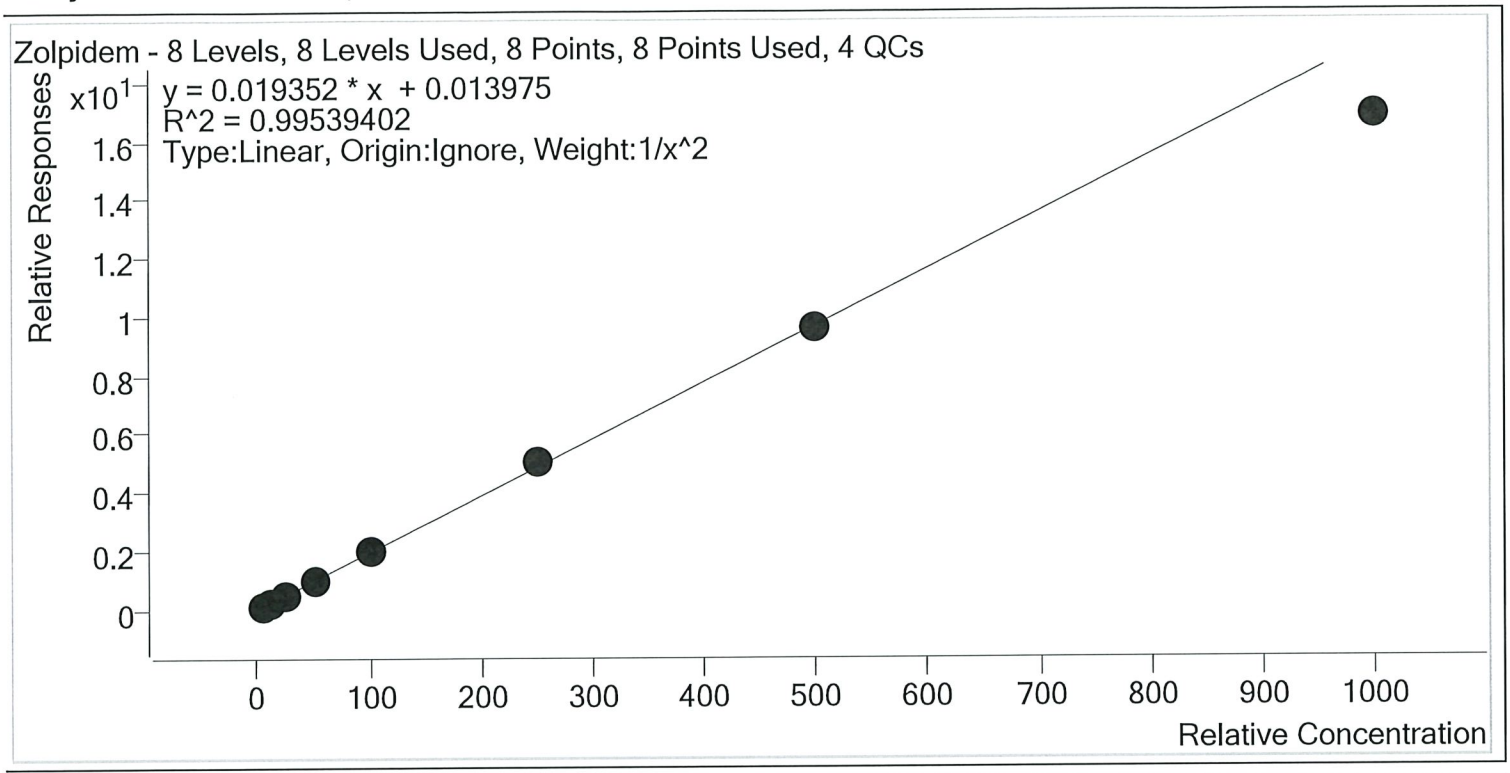
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin

Last Cal. Update 10/16/2019 1:41 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	4.9	97.9
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.2
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.3
p1 Cal 4-50ng	4	✓	50.0	52.9	105.8
p1 Cal 5-100ng	5	✓	100.0	102.3	102.3
p1 Cal 6-250ng	6	✓	250.0	257.0	102.8
p1 Cal 7-500ng_r	7	✓	500.0	494.1	98.8
p1 Cal 8-1000ng	8	✓	1000.0	869.2	86.9

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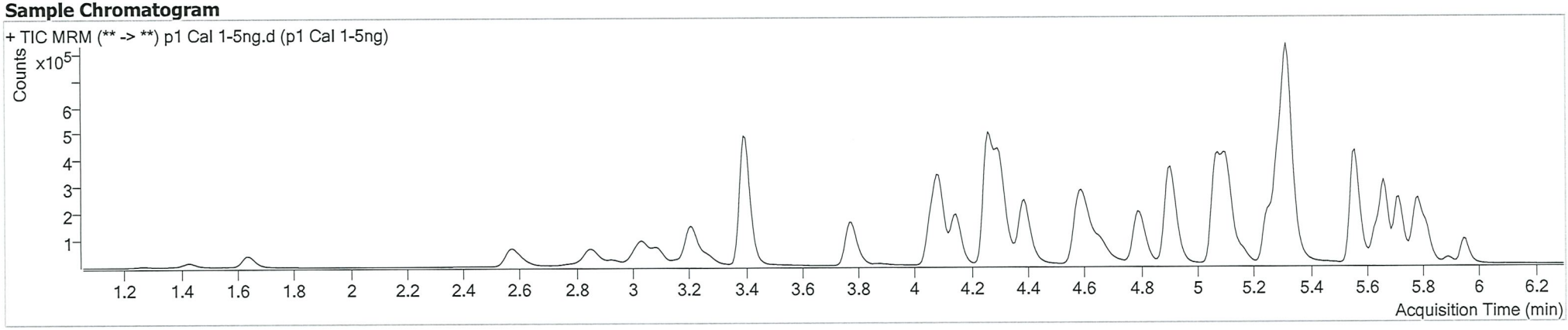
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin
Calibration Last Update 10/16/2019 1:41:33 PM

Instrument Falco
Type Cal
Acq. Method MDQ P1 Combined 092319.m
Sample Position P2-A1
Injection Volume 2
Acq. Date-Time 10/15/2019 6:32:38 PM
Sample Info.

Data File p1 Cal 1-5ng.d
Sample p1 Cal 1-5ng
Operator
Comment

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.170	1077	3371.58	63.7	1296.28	40213	0.5163 ng/ml
7-aminoclonazepam	4.278	11649	40538.62	81.8	74603.53	87957	4.7198 ng/ml
a-hydroxyalprazolam	5.700	881	44.31	70.9	848.80	9308	5.2303 ng/ml
alpha-PVP	4.398	69436	4747.59	49.3	∞	587820	5.0666 ng/ml
Alprazolam	5.777	22159	1942.03	104.9	414.11	107775	4.9325 ng/ml
Amphetamine	3.095	82385	4037.11	54.0	∞	164918	4.8141 ng/ml
Benzoylecgonine	3.900	1598	209.60	7.6	24.28	11124	5.1407 ng/ml
Buprenorphine	5.828	3149	82.11	15.3	∞	173031	0.5140 ng/ml
Bupropion	4.813	76829	526.39	59.3	1311.01	481539	4.3871 ng/ml
Carisoprodol	5.726	13914	1604.54	54.9	115.11	130005	4.9901 ng/ml
Citalopram	5.249	50525	5605.40	40.9	77211.45	444866	4.9131 ng/ml
Clonazepam	5.614	4201	123.24	35.0	4056.51	15386	4.9330 ng/ml
Cocaine	4.297	58820	218199.59	46.2	47347.02	907040	5.2102 ng/ml
Codeine	2.623	6215	∞	110.9	10776.42	53035	3.8610 ng/ml
Cyclobenzaprine	5.637	36164	∞	9.0	325.81	261958	5.0421 ng/ml
Dextromethorphan	5.299	28904	195.05	79.1	6562.37	258698	5.0978 ng/ml
Dextrorphan	4.147	16008	22859.88	209.2	1810.99	418236	5.1637 ng/ml
Diazepam	5.955	17598	140.89	88.9	672.86	168488	4.9641 ng/ml

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Dihydrocodeine	2.608	17515	4155.06	66.0	5247.10	180366	4.8043 ng/ml
Diphenhydramine	5.327	111102	6136.94	32.9	3921.48	1656770	5.3543 ng/ml
Doxylamine	4.608	136619	94817.37	95.4	∞	1060378	4.6624 ng/ml
EDDP	5.291	67048	3595.89	44.1	5794.52	716469	5.0150 ng/ml
Fentanyl	5.113	3703	585.99	72.7	4509.35	396738	0.5008 ng/ml
Fluoxetine	5.716	42459	4145.38	8.9	∞	352976	5.1591 ng/ml
Hydrocodone	3.065	15259	63.22	41.6	101.54	195778	4.8538 ng/ml
Hydromorphone	1.648	15130	384.01	75.3	335.51	108253	4.9715 ng/ml
Ketamine	4.074	51384	1444.81	37.1	415.18	441475	4.9014 ng/ml
Lamotrigine	4.308	4500	1012.81	85.1	14487.81	441475	4.7478 ng/ml
Lorazepam	5.748	1521	30.04	41.6	5.58 **Low**	15386	5.3789 ng/ml
Meprobamate	4.922	3516	458.29	24.4	33.50	34415	4.9612 ng/ml
Methadone	5.668	58948	3954.47	54.6	324.01	520731	5.3513 ng/ml
Methamphetamine	3.269	61951	485.03	43.2	560.97	483643	4.8140 ng/ml
Metoprolol	4.346	13072	∞	99.6	2126.43	1130791	4.7106 ng/ml
Mirtazapine	4.664	95696	5274.01	50.2	6343.92	587820	4.7706 ng/ml
Mitragynine	5.247	14069	62964.25	39.6	5925.44	520731	4.5476 ng/ml
Morphine	1.280	3499	461.83	20.5	5830.68	6867	4.8441 ng/ml
Norbuprenorphine	5.010	56	45.24	90.7	92.09	4202	0.4548 ng/ml
Nordiazepam	5.901	5520	1805.54	59.6	310.71	33403	4.9558 ng/ml
Norfentanyl	4.108	7556	6268.66	39.6	112.79	697092	0.5144 ng/ml
Norhydrocodone	3.100	505	69.85	36.8	∞	48479	5.1946 ng/ml
Noroxycodone	2.950	11041	551.40	49.1	21.47	60793	4.9304 ng/ml
O-desmethyl-tramadol	3.401	113359	5090.25	6.3	212.83	1195975	5.0174 ng/ml
Oxazepam	5.758	1644	14.23	56.5	5.80 **Low**	21158	4.9934 ng/ml
Oxycodone	2.881	28635	771.69	31.1	737.82	244497	4.9528 ng/ml
Oxymorphone	1.437	7023	223.60	47.0	87.15	46237	4.9434 ng/ml
Phentermine	3.805	21649	∞	2.4	18.31	478048	4.8096 ng/ml
Promethazine	5.562	86149	4187.68	29.8	479.63	741628	5.1013 ng/ml
Quetiapine	5.571	64476	345.37	59.9	34265.57	163452	4.8082 ng/ml
Sertraline	5.784	27613	898.10	91.0	4241.81	231543	5.0041 ng/ml
Temazepam	5.818	17900	122.64	31.4	19.04	191795	5.0429 ng/ml
Tramadol	4.273	119371	5947.54	2.8	47.58	1130791	4.8682 ng/ml
Trazodone	5.160	65320	4552.22	77.8	1260.91	496425	4.9531 ng/ml
Venlafaxine	5.067	90607	337.65	34.9	188.68	978579	5.2969 ng/ml
Zolpidem	4.925	101004	∞	30.6	352.84	929421	4.8934 ng/ml

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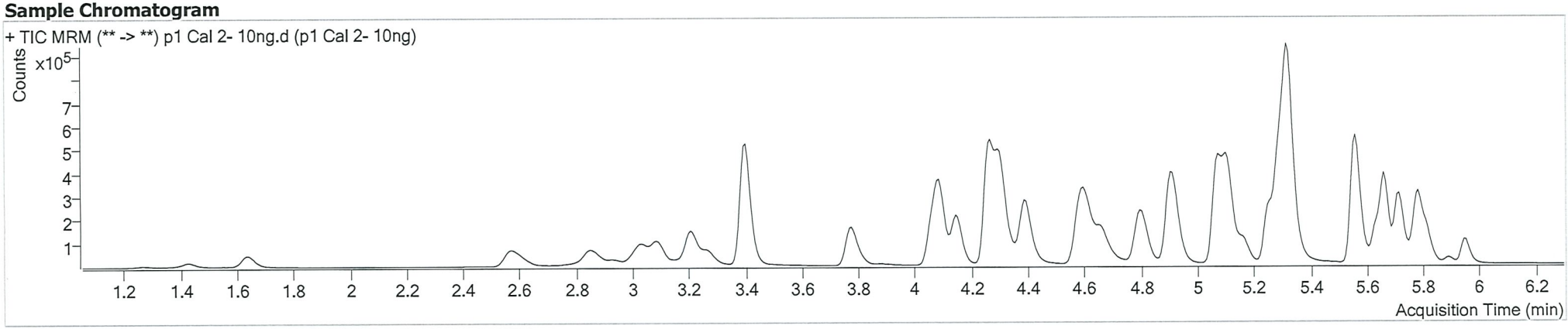
AM #28 Multi-Drug Quant. Results

Batch results	D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin
Calibration Last Update	10/16/2019 1:41:33 PM

Instrument	Falco	**Data File**	p1 Cal 2- 10ng.d
Type	Cal	**Sample**	p1 Cal 2- 10ng
Acq. Method	MDQ P1 Combined 092319.m	**Operator**	
Sample Position	P2-B1	**Comment**	
Injection Volume	2		
Acq. Date-Time	10/15/2019 6:43:26 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.170	1900	∞	76.7	127.67	39525	0.9477 ng/ml
7-aminoclonazepam	4.285	22812	185454.23	80.9	353.09	89245	10.4691 ng/ml
a-hydroxyalprazolam	5.700	1514	46.42	79.0	1436.15	9188	9.2123 ng/ml
alpha-PVP	4.398	134485	41703.58	50.3	188.59	589836	9.9556 ng/ml
Alprazolam	5.777	43557	988.55	104.2	476.81	105966	10.0727 ng/ml
Amphetamine	3.095	160532	1815.64	54.0	3391.26	168578	10.4098 ng/ml
Benzoylecgonine	3.907	2485	1505.75	7.5	135.89	10555	9.7464 ng/ml
Buprenorphine	5.828	6510	556.28	17.4	∞	194460	0.9575 ng/ml
Bupropion	4.813	150420	15852.64	60.3	5444.13	491375	9.6660 ng/ml
Carisoprodol	5.726	27590	110061.04	52.8	67.53	128746	10.0974 ng/ml
Citalopram	5.256	106537	1155.89	40.6	729.56	471621	10.1221 ng/ml
Clonazepam	5.614	7973	264.94	32.1	6292.89	15124	9.9912 ng/ml
Cocaine	4.304	114239	124241.95	47.1	12841.80	917850	9.9152 ng/ml
Codeine	2.623	12601	141.60	102.5	∞	52711	9.9331 ng/ml
Cyclobenzaprine	5.637	78104	37395.25	9.4	∞	291963	9.9255 ng/ml
Dextromethorphan	5.306	60605	250.18	80.2	∞	275356	10.0474 ng/ml
Dextrorphan	4.154	31229	7211.90	213.8	14688.40	426867	9.8904 ng/ml
Diazepam	5.955	34886	1275.10	87.4	2236.43	168840	10.1207 ng/ml

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AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Dihydrocodeine	2.601	33963	437900.42	66.3	12615.12	180855	10.3511 ng/ml
Diphenhydramine	5.327	225790	345.92	33.3	11641.62	1725539	10.1257 ng/ml
Doxylamine	4.608	269492	15532.34	97.3	4667.96	1049462	9.9651 ng/ml
EDDP	5.291	142799	6988.97	42.5	230.19	779591	9.9391 ng/ml
Fentanyl	5.120	8324	70.57	70.2	668.07	438130	1.0189 ng/ml
Fluoxetine	5.716	95205	1170.94	8.3	5090.65	397284	10.2566 ng/ml
Hydrocodone	3.065	29771	108.10	39.9	∞	193976	10.2386 ng/ml
Hydromorphone	1.648	28873	351.03	76.1	294.84	107088	10.0630 ng/ml
Ketamine	4.074	98339	822.01	37.1	936.30	439051	10.1458 ng/ml
Lamotrigine	4.308	8869	1770.29	80.4	31725.28	439051	10.6004 ng/ml
Lorazepam	5.748	2720	162.47	51.3	8.45 **Low**	15124	9.0552 ng/ml
Meprobamate	4.929	6890	6262.82	25.6	83.36	34576	10.1625 ng/ml
Methadone	5.668	123252	6531.64	54.6	4172.12	568325	10.0278 ng/ml
Methamphetamine	3.269	117494	522.61	42.7	403.31	488288	10.4244 ng/ml
Metoprolol	4.354	26031	46726.34	97.8	∞	1142525	10.6559 ng/ml
Mirtazapine	4.664	198454	17456.55	49.4	20594.34	589836	11.0224 ng/ml
Mitragynine	5.254	30726	72829.14	38.0	22875.14	568325	10.2799 ng/ml
Morphine	1.273	6631	∞	21.0	1756.26	6560	10.3452 ng/ml
Norbuprenorphine	5.030	117	26.23	75.8	69.68	4562	1.0018 ng/ml
Nordiazepam	5.901	10957	461.71	55.7	211.78	33789	10.1186 ng/ml
Norfentanyl	4.115	15354	1810.94	38.4	698.04	711051	0.9770 ng/ml
Norhydrocodone	3.100	1132	209.41	31.2	223.27	49102	9.7368 ng/ml
Noroxycodone	2.950	21284	810.07	49.2	168.19	61217	9.9820 ng/ml
O-desmethyl-tramadol	3.401	216784	26885.95	6.2	865.63	1187229	9.9553 ng/ml
Oxazepam	5.758	3146	26.98	68.5	17.44	21300	9.7102 ng/ml
Oxycodone	2.874	54951	927.45	30.9	1542.84	244356	10.0922 ng/ml
Oxymorphone	1.430	13312	512.60	50.1	67.48	45896	10.0801 ng/ml
Phentermine	3.812	40857	∞	2.3	23.27	482149	10.2577 ng/ml
Promethazine	5.562	183619	6203.84	30.8	352.53	828981	9.8417 ng/ml
Quetiapine	5.571	135112	30902.52	60.4	∞	172075	10.3962 ng/ml
Sertraline	5.791	61137	1302.90	88.8	3697.65	255591	10.1829 ng/ml
Temazepam	5.818	34356	415.54	31.0	84.27	187983	9.9131 ng/ml
Tramadol	4.273	225810	30217.90	3.4	151.29	1142525	10.1887 ng/ml
Trazodone	5.160	143176	516.28	78.0	1028.41	562166	10.1182 ng/ml
Venlafaxine	5.074	174451	1122.41	36.3	2363.70	985357	9.9766 ng/ml
Zolpidem	4.925	197367	28704.39	31.0	17951.79	940771	10.1185 ng/ml

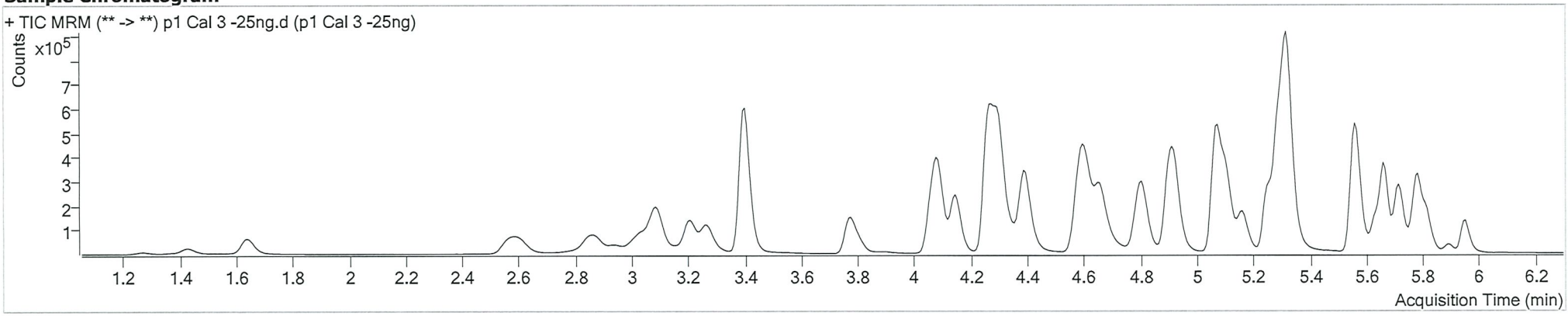
TS

AM #28 Multi-Drug Quant. Results

Batch results	D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin
Calibration Last Update	10/16/2019 1:41:33 PM

Instrument	Falco	**Data File**	p1 Cal 3 -25ng.d
Type	Cal	**Sample**	p1 Cal 3 -25ng
Acq. Method	MDQ P1 Combined 092319.m	**Operator**	
Sample Position	P2-C1	**Comment**	
Injection Volume	2		
Acq. Date-Time	10/15/2019 6:53:57 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.170	4511	27184.98	72.2	2283.58	37030	2.4423 ng/ml
7-aminoclonazepam	4.278	51684	∞	80.5	765.38	82597	27.7460 ng/ml
a-hydroxyalprazolam	5.700	3949	1113.39	69.4	251.22	9201	24.2156 ng/ml
alpha-PVP	4.398	301189	15871.48	49.8	9287.28	533612	24.9246 ng/ml
Alprazolam	5.777	102120	803.37	105.9	1046.94	101113	25.0579 ng/ml
Amphetamine	3.088	344319	∞	53.7	11652.27	152459	26.5539 ng/ml
Benzoylecgonine	3.907	5019	340.99	7.9	103.50	9880	23.4407 ng/ml
Buprenorphine	5.828	11808	483.22	16.1	3629.04	142051	2.3990 ng/ml
Bupropion	4.813	322944	20956.65	59.0	739.67	429823	25.7011 ng/ml
Carisoprodol	5.726	64793	208369.60	54.9	129.94	124152	24.7423 ng/ml
Citalopram	5.249	198941	5842.06	41.3	∞	365108	24.9155 ng/ml
Clonazepam	5.614	18076	6875.48	34.1	398.36	13679	25.7970 ng/ml
Cocaine	4.297	258688	66862.27	46.4	21878.15	823441	24.8860 ng/ml
Codeine	2.623	28140	259.52	102.1	207.54	49496	26.3473 ng/ml
Cyclobenzaprine	5.637	123590	9012.55	9.4	1089.90	189799	24.3970 ng/ml
Dextromethorphan	5.299	105460	3827.38	80.0	162.54	193948	24.8295 ng/ml
Dextrorphan	4.147	70583	1895.38	209.3	78216.25	383578	24.9111 ng/ml
Diazepam	5.955	77217	335.22	90.2	1149.61	154871	24.8559 ng/ml

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AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Dihydrocodeine	2.601	77505	10090.50	64.8	190.65	169985	26.7536 ng/ml
Diphenhydramine	5.327	426614	32645.71	33.1	30982.54	1318442	24.5403 ng/ml
Doxylamine	4.601	596731	2413.87	97.2	∞	966480	24.9112 ng/ml
EDDP	5.291	305940	28959.32	43.5	426.17	672478	24.8767 ng/ml
Fentanyl	5.120	13127	666.59	67.9	∞	289605	2.4302 ng/ml
Fluoxetine	5.716	142243	∞	8.7	∞	246916	24.6263 ng/ml
Hydrocodone	3.065	68822	∞	39.4	264.92	180114	26.5370 ng/ml
Hydromorphone	1.648	65943	331.59	75.7	327.34	101878	24.8704 ng/ml
Ketamine	4.074	221267	19629.27	38.3	1961.41	406350	25.7706 ng/ml
Lamotrigine	4.308	19446	1246.60	83.5	8719.13	406350	26.7720 ng/ml
Lorazepam	5.748	6600	123.04	51.1	32.18	13679	22.8002 ng/ml
Meprobamate	4.922	15587	1557.25	24.9	227.69	32880	24.8806 ng/ml
Methadone	5.668	219957	36256.41	53.8	11875.74	407571	24.5898 ng/ml
Methamphetamine	3.269	246704	776.32	42.7	319.60	443413	26.1666 ng/ml
Metoprolol	4.346	56961	212301.55	98.2	12533.23	1063092	26.9698 ng/ml
Mirtazapine	4.664	384751	4750.26	49.0	7642.24	533612	24.8673 ng/ml
Mitragynine	5.247	52936	317850.10	38.4	90493.97	407571	26.3484 ng/ml
Morphine	1.273	14702	1254.97	20.4	1128.57	5995	26.1682 ng/ml
Norbuprenorphine	5.024	218	24.82	72.9	∞	3481	2.6467 ng/ml
Nordiazepam	5.901	24375	1146.73	55.4	693.48	31234	24.9276 ng/ml
Norfentanyl	4.108	34782	6684.49	37.4	1020.13	639198	2.3890 ng/ml
Norhydrocodone	3.100	2787	138.65	31.3	92.82	46590	22.9587 ng/ml
Noroxycodone	2.950	49351	665.09	48.1	1215.34	55896	26.2651 ng/ml
O-desmethyl-tramadol	3.401	498271	32271.43	6.3	6690.08	1119088	24.7248 ng/ml
Oxazepam	5.758	7729	50.49	71.0	17.16	19521	26.4272 ng/ml
Oxycodone	2.874	124451	2125.78	31.1	6304.88	228819	25.3066 ng/ml
Oxymorphone	1.430	30089	1312.81	49.3	538.44	42636	25.5359 ng/ml
Phentermine	3.812	90226	∞	2.3	190.46	432902	27.3374 ng/ml
Promethazine	5.562	285550	3576.32	31.1	1265.27	520894	24.5436 ng/ml
Quetiapine	5.565	263267	148251.11	58.6	159752.83	139268	26.2016 ng/ml
Sertraline	5.791	93688	2551.36	89.1	2788.47	158924	25.3087 ng/ml
Temazepam	5.818	80806	371.01	30.2	47.41	178130	24.6635 ng/ml
Tramadol	4.273	504578	1659.50	3.4	694.89	1063092	26.1941 ng/ml
Trazodone	5.160	241800	5308.17	78.6	21827.62	394853	25.1259 ng/ml
Venlafaxine	5.074	393195	9726.45	35.9	821.57	893882	24.5406 ng/ml
Zolpidem	4.925	441729	634.22	31.2	18726.92	851530	26.0832 ng/ml

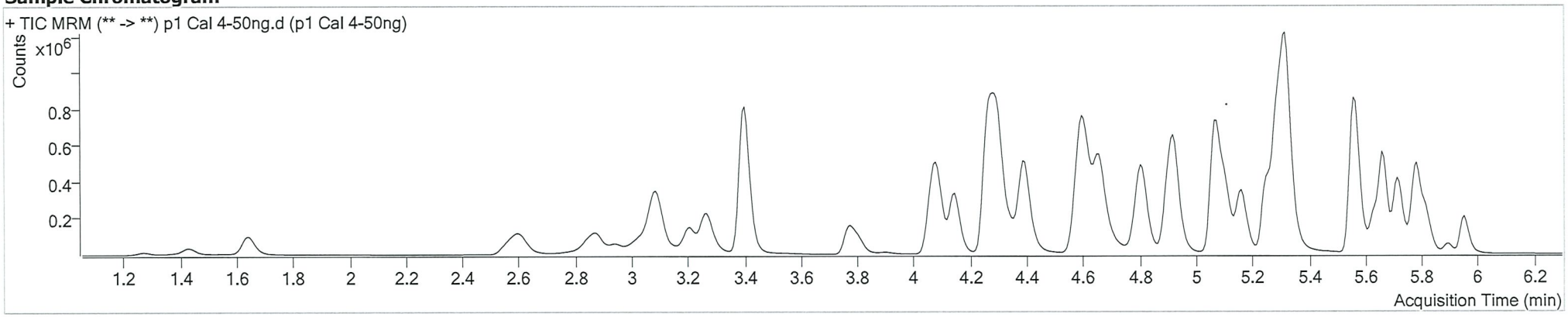
TS

AM #28 Multi-Drug Quant. Results

Batch results	D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin
Calibration Last Update	10/16/2019 1:41:33 PM

Instrument	Falco	**Data File**	p1 Cal 4-50ng.d
Type	Cal	**Sample**	p1 Cal 4-50ng
Acq. Method	MDQ P1 Combined 092319.m	**Operator**	
Sample Position	P2-D1	**Comment**	
Injection Volume	2		
Acq. Date-Time	10/15/2019 7:04:28 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.163	9104	20199.22	72.7	24199.83	37432	4.9022 ng/ml
7-aminoclonazepam	4.278	101027	399.95	80.8	266894.24	81615	56.3175 ng/ml
a-hydroxyalprazolam	5.700	7980	430.34	73.7	150.66	9052	49.8803 ng/ml
alpha-PVP	4.398	613482	28272.07	50.7	24361.31	538615	50.4892 ng/ml
Alprazolam	5.777	200818	1854.95	106.9	3890.93	99165	50.4567 ng/ml
Amphetamine	3.088	663148	10484.56	53.4	23023.59	151416	52.7719 ng/ml
Benzoylecgonine	3.907	10365	209.90	8.0	471.87	10110	49.4189 ng/ml
Buprenorphine	5.828	24607	976.69	16.4	∞	139654	5.1011 ng/ml
Bupropion	4.813	656268	99382.04	59.7	14868.58	435384	52.9288 ng/ml
Carisoprodol	5.726	127871	61907.64	53.9	2021.13	120631	50.3643 ng/ml
Citalopram	5.249	400980	19252.56	40.8	5699.25	362396	50.9597 ng/ml
Clonazepam	5.614	37246	3414.99	33.0	1215.60	13935	52.6916 ng/ml
Cocaine	4.297	522585	34926.47	46.5	63712.44	823380	50.1828 ng/ml
Codeine	2.617	57298	∞	99.5	197.64	48329	57.0885 ng/ml
Cyclobenzaprine	5.637	263922	594950.25	9.4	2654.19	195191	50.8379 ng/ml
Dextromethorphan	5.299	209687	218.89	80.8	1890.92	191436	50.0220 ng/ml
Dextrorphan	4.147	142963	860.12	211.5	1009.81	385250	50.2607 ng/ml
Diazepam	5.955	158846	562.24	87.4	854.86	156910	50.7838 ng/ml

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
Dihydrocodeine	2.595	158045	61930.37	64.8	8743.09	173285	54.6517	ng/ml
Diphenhydramine	5.327	857073	20532.60	32.5	∞	1322098	48.8257	ng/ml
Doxylamine	4.601	1230601	4842.30	96.6	3870.25	973867	51.6918	ng/ml
EDDP	5.291	621729	1092.40	42.9	18689.62	666615	51.1339	ng/ml
Fentanyl	5.120	27810	283.57	73.0	31162.42	306288	4.8678	ng/ml
Fluoxetine	5.716	307933	13533.05	8.7	858.81	262373	50.1488	ng/ml
Hydrocodone	3.058	141028	∞	38.6	∞	189164	52.4449	ng/ml
Hydromorphone	1.648	133937	∞	75.9	1703.52	99687	52.1714	ng/ml
Ketamine	4.074	447318	59496.81	38.0	∞	407120	52.7855	ng/ml
Lamotrigine	4.308	39035	31735.77	80.8	35902.12	407120	54.8581	ng/ml
Lorazepam	5.748	13790	433.66	50.9	23.11	13935	45.8272	ng/ml
Meprobamate	4.922	31858	44633.85	24.8	484.45	32700	51.6726	ng/ml
Methadone	5.668	459433	124574.72	53.5	957.63	414835	50.2049	ng/ml
Methamphetamine	3.269	494731	6604.28	42.8	544.21	447754	53.5150	ng/ml
Metoprolol	4.346	114777	∞	97.2	∞	1067815	55.5255	ng/ml
Mirtazapine	4.657	787848	∞	49.8	∞	538615	51.5689	ng/ml
Mitragynine	5.247	109291	21138.45	39.1	10939.00	414835	54.6585	ng/ml
Morphine	1.273	28732	16858.82	20.6	950.47	5923	52.4985	ng/ml
Norbuprenorphine	5.030	364	628.59	90.8	69.98	3628	4.3354	ng/ml
Nordiazepam	5.901	48503	∞	57.7	∞	30456	51.2971	ng/ml
Norfentanyl	4.108	69084	20107.61	38.3	1055.13	639719	4.6938	ng/ml
Norhydrocodone	3.106	5936	191.24	34.0	187.00	47592	46.2934	ng/ml
Noroxycodone	2.950	98072	988.35	49.3	16.72	56134	52.5548	ng/ml
O-desmethyl-tramadol	3.401	1021590	70791.67	6.1	340.67	1126981	50.6613	ng/ml
Oxazepam	5.758	15707	64.65	80.3	53.39	20460	51.4663	ng/ml
Oxycodone	2.874	254160	7170.75	31.1	2741.32	232305	51.5471	ng/ml
Oxymorphone	1.430	62646	1474.94	46.2	844.70	44276	51.9046	ng/ml
Phentermine	3.805	170142	4482.34	2.4	107.75	430192	53.1720	ng/ml
Promethazine	5.562	607600	5501.96	30.6	3040.45	538850	50.6177	ng/ml
Quetiapine	5.565	533852	1559.51	60.6	1533.63	138215	54.4053	ng/ml
Sertraline	5.791	192069	1475.00	91.1	21670.53	163964	50.4333	ng/ml
Temazepam	5.818	161808	4766.02	30.4	228.11	176851	49.7842	ng/ml
Tramadol	4.273	1009126	30367.64	3.4	636.71	1067815	53.3756	ng/ml
Trazodone	5.160	511477	2790.08	78.5	989.43	413584	51.3201	ng/ml
Venlafaxine	5.067	803086	1187.50	35.1	5094.70	901155	49.5481	ng/ml
Zolpidem	4.925	916179	1443.11	31.1	74514.95	882849	52.9018	ng/ml

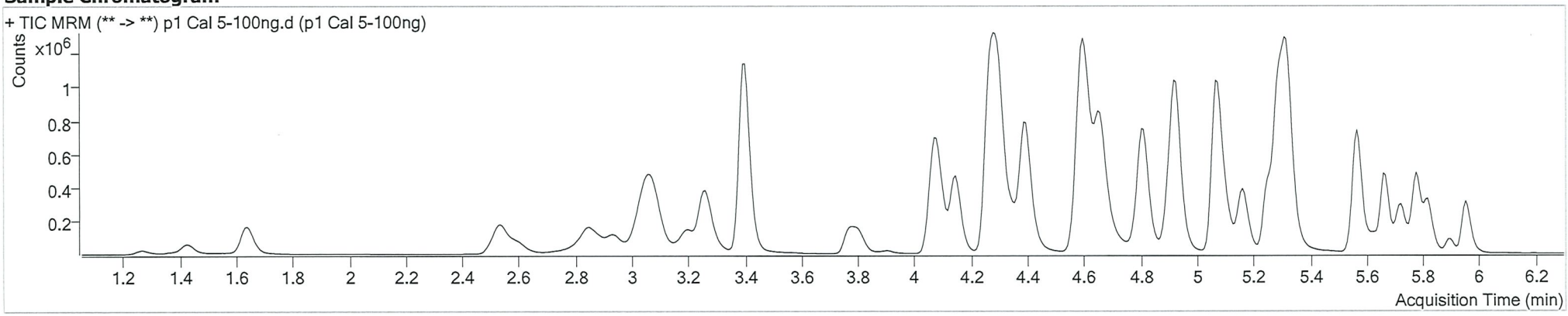
FS

AM #28 Multi-Drug Quant. Results

Batch results	D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin
Calibration Last Update	10/16/2019 1:41:33 PM

Instrument	Falco	**Data File**	p1 Cal 5-100ng.d
Type	Cal	**Sample**	p1 Cal 5-100ng
Acq. Method	MDQ P1 Combined 092319.m	**Operator**	
Sample Position	P2-E1	**Comment**	
Injection Volume	2		
Acq. Date-Time	10/15/2019 7:15:00 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.163	17820	28856.59	72.0	1417.51	36375	9.9014 ng/ml
7-aminoclonazepam	4.278	173839	1402.30	81.7	51844.86	78206	102.2945 ng/ml
a-hydroxyalprazolam	5.700	15968	406.96	72.2	198.30	9237	97.9419 ng/ml
alpha-PVP	4.398	1157593	85502.21	49.9	157657.84	522353	98.4140 ng/ml
Alprazolam	5.777	395992	2196.63	103.9	2423.41	99035	99.8321 ng/ml
Amphetamine	3.068	1246550	11867.44	53.1	12016.94	146494	103.8137 ng/ml
Benzoylecgonine	3.900	20168	242.46	7.8	∞	10495	94.4496 ng/ml
Buprenorphine	5.828	27389	743.38	16.8	2496.75	83555	9.5025 ng/ml
Bupropion	4.813	1142052	110319.29	59.4	∞	391902	103.5959 ng/ml
Carisoprodol	5.726	253814	565882.25	53.9	1851.54	124793	96.7322 ng/ml
Citalopram	5.249	527485	3603.81	40.9	∞	249473	97.7034 ng/ml
Clonazepam	5.614	75500	1505.73	32.6	∞	14051	106.4362 ng/ml
Cocaine	4.297	982605	105542.13	46.8	297103.69	794239	97.7322 ng/ml
Codeine	2.550	107546	1138.77	101.2	424.97	46985	112.0546 ng/ml
Cyclobenzaprine	5.637	115603	710.25	8.9	∞	45293	96.1108 ng/ml
Dextromethorphan	5.299	232416	468.77	78.0	35451.05	107742	98.5175 ng/ml
Dextrorphan	4.147	262197	975.41	211.4	24344.57	361130	98.3574 ng/ml
Diazepam	5.955	297525	5633.45	87.4	7551.45	147235	101.6764 ng/ml

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AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
Dihydrocodeine	2.534	299337	472.23	66.7	195.45	169813	106.6861	ng/ml
Diphenhydramine	5.327	1149260	49781.26	32.8	21360.45	902529	95.5807	ng/ml
Doxylamine	4.594	2361387	149711.72	96.3	8723.95	952446	102.0733	ng/ml
EDDP	5.291	1117874	49464.77	43.1	∞	626914	97.8788	ng/ml
Fentanyl	5.120	17998	213.70	71.1	52712.67	103375	9.3336	ng/ml
Fluoxetine	5.716	69147	2186.99	8.9	∞	31117	94.9308	ng/ml
Hydrocodone	3.052	262380	∞	41.6	∞	182642	101.7085	ng/ml
Hydromorphone	1.641	248713	3739.67	77.4	∞	98591	98.4029	ng/ml
Ketamine	4.074	858626	62111.85	38.3	954.36	405897	102.3415	ng/ml
Lamotrigine	4.308	70459	5322.03	78.7	5380.30	405897	100.3023	ng/ml
Lorazepam	5.748	28150	539.49	54.5	108.49	14051	91.8670	ng/ml
Meprobamate	4.922	58122	6202.32	24.7	1039.52	32132	96.3782	ng/ml
Methadone	5.668	518699	24286.87	53.2	3553.15	248446	94.4249	ng/ml
Methamphetamine	3.262	918177	13825.56	43.5	2351.94	437738	103.0041	ng/ml
Metoprolol	4.346	203557	∞	98.1	∞	1047199	101.5555	ng/ml
Mirtazapine	4.657	1220964	6069.74	49.1	61847.59	522353	83.0587	ng/ml
Mitragynine	5.247	104845	20855.44	37.5	163924.25	248446	88.2609	ng/ml
Morphine	1.273	52395	13775.29	20.4	1079.31	5705	100.0490	ng/ml
Norbuprenorphine	5.024	534	145.11	77.1	21.53	2343	10.0111	ng/ml
Nordiazepam	5.901	92529	∞	57.4	2810.06	29021	103.1100	ng/ml
Norfentanyl	4.108	135019	134040.78	37.7	2135.23	623365	9.3659	ng/ml
Norhydrocodone	3.100	12370	115.55	36.9	189.77	47818	94.4481	ng/ml
Noroxycodone	2.936	194549	774.52	49.1	3105.89	58355	100.8272	ng/ml
O-desmethyl-tramadol	3.401	1968738	52101.85	6.2	6431.93	1114640	99.0084	ng/ml
Oxazepam	5.758	32119	129.79	69.3	67.28	20632	104.6131	ng/ml
Oxycodone	2.854	482907	5459.15	31.3	3144.44	231633	98.7974	ng/ml
Oxymorphone	1.423	114836	∞	47.4	482.04	43107	98.3486	ng/ml
Phentermine	3.805	317969	3092.24	2.3	328.34	410982	105.3961	ng/ml
Promethazine	5.562	270385	15290.59	30.8	1370.54	123529	98.3769	ng/ml
Quetiapine	5.565	825632	170873.74	59.3	134441.09	111424	105.1371	ng/ml
Sertraline	5.791	37974	1335.33	90.3	318.49	17366	94.2685	ng/ml
Temazepam	5.818	319392	8946.51	29.2	1809.33	179178	97.0301	ng/ml
Tramadol	4.273	1876967	79817.09	3.4	317.51	1047199	102.3369	ng/ml
Trazodone	5.160	583298	47934.48	78.7	141743.29	244493	99.5304	ng/ml
Venlafaxine	5.067	1493735	1021.47	35.8	17678.30	849512	97.5998	ng/ml
Zolpidem	4.925	1753124	87192.06	31.0	112275.92	879417	102.2886	ng/ml

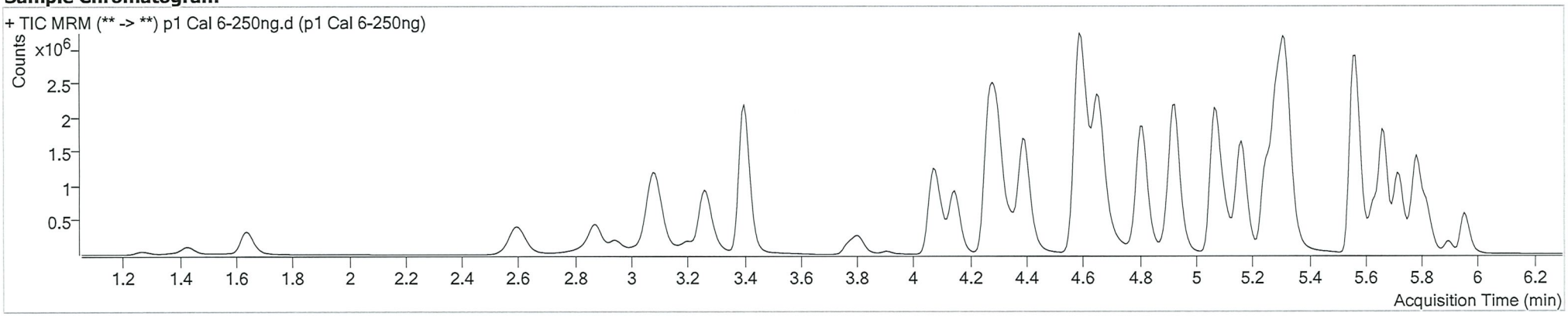
TS

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin
Calibration Last Update 10/16/2019 1:41:33 PM

Instrument	Falco	**Data File**	p1 Cal 6-250ng.d
Type	Cal	**Sample**	p1 Cal 6-250ng
Acq. Method	MDQ P1 Combined 092319.m	**Operator**	
Sample Position	P2-F1	**Comment**	
Injection Volume	2		
Acq. Date-Time	10/15/2019 7:25:30 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.163	43769	60517.01	71.4	149653.05	34815	25.4502 ng/ml
7-aminoclonazepam	4.278	313957	∞	81.1	∞	62440	233.2389 ng/ml
a-hydroxyalprazolam	5.700	38155	1314.15	75.2	964.96	8499	254.5864 ng/ml
alpha-PVP	4.398	2858857	217626.01	50.3	76174.44	510665	248.9002 ng/ml
Alprazolam	5.777	827148	3247.56	104.8	4215.07	81710	253.0693 ng/ml
Amphetamine	3.088	2490017	29802.18	53.3	19251.07	145531	210.1175 ng/ml
Benzoylecgonine	3.907	52229	∞	7.9	337.58	10553	246.5226 ng/ml
Buprenorphine	5.828	108462	6051.41	16.5	2144.18	114414	27.5077 ng/ml
Bupropion	4.813	3127505	174985.00	59.1	62663.00	425156	263.5795 ng/ml
Carisoprodol	5.733	475666	∞	55.9	2857.00	91328	247.8764 ng/ml
Citalopram	5.249	1797415	∞	41.2	499.55	327824	253.9196 ng/ml
Clonazepam	5.614	168910	761.79	33.4	15781.58	13773	243.5727 ng/ml
Cocaine	4.297	2265391	179118.53	46.2	9810359.13	716189	249.7327 ng/ml
Codeine	2.617	230190	1162.46	103.1	756.66	42922	265.1982 ng/ml
Cyclobenzaprine	5.637	1219109	265870.36	9.3	8286.32	182526	251.7761 ng/ml
Dextromethorphan	5.299	910529	77244.65	79.0	43309.72	166795	249.3204 ng/ml
Dextrorphan	4.147	656815	3532.83	210.0	4384.45	361511	246.1639 ng/ml

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AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
Diazepam	5.955	660094	25243.75	88.5	11176.19	131811	252.4333	ng/ml
Dihydrocodeine	2.588	683859	706.44	65.7	115191.40	169027	246.3368	ng/ml
Diphenhydramine	5.320	3793571	114928.56	33.1	46417.35	1169520	242.9507	ng/ml
Doxylamine	4.588	6160958	6568.84	96.4	∞	988877	257.5269	ng/ml
EDDP	5.291	2786736	301366.94	43.0	3647984.01	625026	244.9313	ng/ml
Fentanyl	5.120	142847	2041.06	72.9	∞	311640	24.5719	ng/ml
Fluoxetine	5.716	1420018	65278.60	8.7	127903.65	243753	248.8401	ng/ml
Hydrocodone	3.058	634872	78.06	39.7	323.45	180259	250.3729	ng/ml
Hydromorphone	1.641	601612	2073.98	75.3	6002.77	92456	254.6252	ng/ml
Ketamine	4.074	2057102	11582.20	38.1	38975.56	394473	253.4226	ng/ml
Lamotrigine	4.308	138988	10495.24	81.1	71637.83	394473	204.8368	ng/ml
Lorazepam	5.748	73416	1691.22	53.5	271.83	13773	242.9567	ng/ml
Meprobamate	4.922	125001	14869.30	25.2	9437.11	29477	226.6316	ng/ml
Methadone	5.668	2251518	40554.34	52.1	36294.56	409093	248.5180	ng/ml
Methamphetamine	3.262	2266316	30451.82	42.4	957.04	465395	241.2121	ng/ml
Metoprolol	4.346	446498	∞	97.2	∞	977682	240.5059	ng/ml
Mirtazapine	4.657	3781763	140818.22	49.2	94510.79	510665	265.5144	ng/ml
Mitragynine	5.247	501086	52359.63	39.1	1131314.42	409093	258.4208	ng/ml
Morphine	1.273	117287	2551.41	20.6	1973.53	5039	254.7588	ng/ml
Norbuprenorphine	5.024	2085	875.38	79.2	2702.65	3790	24.3622	ng/ml
Nordiazepam	5.901	213621	8462.62	57.9	1351.15	28176	245.7543	ng/ml
Norfentanyl	4.108	327288	49751.38	37.7	∞	570131	24.7436	ng/ml
Norhydrocodone	3.106	27733	269.70	35.7	126.62	41530	241.5076	ng/ml
Noroxycodone	2.943	427375	1849.09	49.0	694.85	52449	247.2942	ng/ml
O-desmethyl-tramadol	3.401	4759643	151426.99	6.1	1162.17	1065696	250.8350	ng/ml
Oxazepam	5.758	81033	307.01	72.6	146.38	22122	246.4668	ng/ml
Oxycodone	2.868	1231088	14767.84	31.3	2291.44	232022	252.4231	ng/ml
Oxymorphone	1.430	269754	∞	47.8	∞	38787	257.8877	ng/ml
Phentermine	3.805	718718	7625.58	2.2	656.34	417726	236.1520	ng/ml
Promethazine	5.556	2975990	2156.30	30.1	90246.96	529141	252.9754	ng/ml
Quetiapine	5.571	2265054	3557.88	60.7	4928337.28	136689	236.1523	ng/ml
Sertraline	5.791	772696	3601.46	90.4	264711.91	133037	250.6354	ng/ml
Temazepam	5.818	748467	14532.63	29.7	766.22	163336	249.4967	ng/ml
Tramadol	4.273	4336924	348359.02	3.4	2646.94	977682	255.0896	ng/ml
Trazodone	5.160	2563222	694550.36	79.1	206164.18	432839	247.8956	ng/ml
Venlafaxine	5.067	3800958	4227.83	35.1	2412.67	853086	247.0568	ng/ml
Zolpidem	4.925	4250644	377858.78	30.3	54938.19	852374	256.9628	ng/ml

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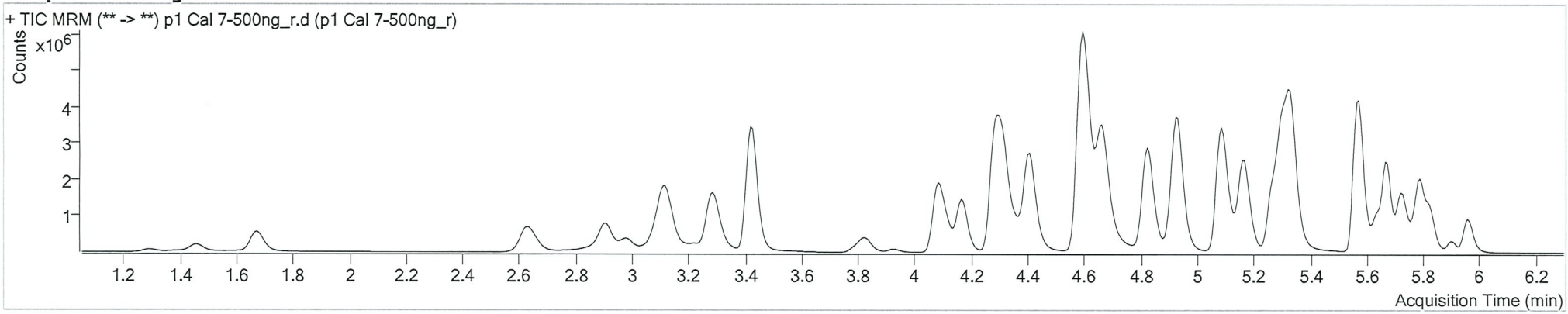
AM #28 Multi-Drug Quant. Results

Batch results	D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin
Calibration Last Update	10/16/2019 1:41:33 PM

Instrument	Falco	**Data File**	p1 Cal 7-500ng_r.d
Type	Cal	**Sample**	p1 Cal 7-500ng_r
Acq. Method	MDQ P1 Combined 092319.m	**Operator**	
Sample Position	P2-G1	**Comment**	
Injection Volume	2		
Acq. Date-Time	10/16/2019 9:23:53 AM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.190	85056	15644.01	70.8	668.79	34968	49.2655 ng/ml
7-aminoclonazepam	4.298	464118	20636.77	81.0	∞	52842	408.5157 ng/ml
a-hydroxyalprazolam	5.707	82084	1348.80	71.7	427.76	9033	515.4770 ng/ml
alpha-PVP	4.411	5051763	235635.12	50.2	163730.20	447264	502.3603 ng/ml
Alprazolam	5.784	1481335	4873.93	105.7	2400.46	75979	487.5992 ng/ml
Amphetamine	3.122	3659969	29351.61	53.5	55531.78	141114	319.2122 ng/ml
Benzoylecgonine	3.927	120746	29706.93	7.7	3106.79	10924	553.0979 ng/ml
Buprenorphine	5.815	127105	1888.24	16.7	9111.72	74969	49.2080 ng/ml
Bupropion	4.827	5080488	6406.33	59.2	162007.24	365729	498.9528 ng/ml
Carisoprodol	5.733	915419	71919.19	54.4	16856.61	85910	507.2322 ng/ml
Citalopram	5.269	2552589	∞	41.7	∞	236978	499.1816 ng/ml
Clonazepam	5.620	324573	66346.48	33.0	2451.74	13087	493.0911 ng/ml
Cocaine	4.311	3809047	418441.14	46.2	446904.29	615204	488.7408 ng/ml
Codeine	2.657	395826	7759.48	102.8	18056.22	39247	500.4690 ng/ml
Cyclobenzaprine	5.644	1691418	1618.62	9.1	32434.06	125977	506.2904 ng/ml
Dextromethorphan	5.312	1235141	89289.64	78.5	∞	113402	497.4475 ng/ml
Dextrorphan	4.166	1164388	1953.76	212.9	58884.01	313609	503.0731 ng/ml
Diazepam	5.961	1139443	12055.81	88.6	∞	117061	490.9415 ng/ml

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AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Dihydrocodeine	2.628	1197567	102260.49	66.5	23440.70	170792	427.7569 ng/ml
Diphenhydramine	5.340	5814449	511802.92	33.0	18704.58	839751	518.2191 ng/ml
Doxylamine	4.594	11600474	1405327.03	96.0	567904.13	958851	500.7198 ng/ml
EDDP	5.304	4872089	344626.38	42.3	105527.45	524869	510.0692 ng/ml
Fentanyl	5.127	211556	24454.77	73.1	334912.53	217460	52.1508 ng/ml
Fluoxetine	5.722	1820729	177086.47	8.7	∞	154366	503.7917 ng/ml
Hydrocodone	3.085	1246059	∞	39.8	843.88	182554	485.8864 ng/ml
Hydromorphone	1.672	1095299	∞	73.4	∞	87923	487.9366 ng/ml
Ketamine	4.088	3698299	460494.48	37.7	1863.54	372002	483.8288 ng/ml
Lamotrigine	4.335	217805	59106.78	81.3	208248.77	372002	341.1894 ng/ml
Lorazepam	5.755	159169	2718.56	53.3	166.47	13087	553.2176 ng/ml
Meprobamate	4.949	267540	3211.73	24.7	3086.77	26209	546.2624 ng/ml
Methadone	5.675	3379175	384896.66	51.4	6816.66	308688	494.0623 ng/ml
Methamphetamine	3.289	4110997	85725.28	43.4	41885.02	462630	441.4599 ng/ml
Metoprolol	4.367	705877	2350453.53	97.6	∞	902932	412.7033 ng/ml
Mirtazapine	4.664	5964548	771839.93	48.1	1188854.10	447264	479.0011 ng/ml
Mitragynine	5.260	732303	68251.29	39.7	347247.10	308688	501.6077 ng/ml
Morphine	1.293	211536	17937.13	20.1	13012.97	4865	476.4974 ng/ml
Norbuprenorphine	5.044	4554	434.34	82.0	7598.77	3589	56.3812 ng/ml
Nordiazepam	5.908	397140	1185.62	57.9	11802.33	26395	488.0988 ng/ml
Norfentanyl	4.128	622846	691229.94	37.6	26686.64	518794	51.6954 ng/ml
Norhydrocodone	3.133	60542	275.43	37.0	1057.87	41425	526.8469 ng/ml
Noroxycodone	2.984	800471	684.77	48.7	1339.26	50565	480.9930 ng/ml
O-desmethyl-tramadol	3.421	8694611	396059.56	6.1	15714.70	968712	504.3992 ng/ml
Oxazepam	5.765	182651	606.32	71.4	332.36	25252	486.9249 ng/ml
Oxycodone	2.901	2381628	29266.33	31.4	8118.59	231627	489.7575 ng/ml
Oxymorphone	1.457	538159	∞	49.8	∞	41824	477.7240 ng/ml
Phentermine	3.825	1189616	2240.13	2.5	2115.32	382176	428.4053 ng/ml
Promethazine	5.569	4055168	∞	30.3	2962.95	359667	507.2655 ng/ml
Quetiapine	5.571	3625539	10816.24	60.0	∞	119435	433.2959 ng/ml
Sertraline	5.798	928012	52801.05	90.6	3070.55	78470	510.4823 ng/ml
Temazepam	5.825	1491239	101646.49	29.2	3847.39	156966	517.3098 ng/ml
Tramadol	4.287	7507101	303654.80	3.4	∞	902932	479.1844 ng/ml
Trazodone	5.167	4093741	3285753.23	78.9	1353205.49	321756	533.2533 ng/ml
Venlafaxine	5.088	6882526	101961.75	34.8	45035.71	762748	500.1675 ng/ml
Zolpidem	4.932	8000843	∞	30.1	184758.38	835490	494.1115 ng/ml

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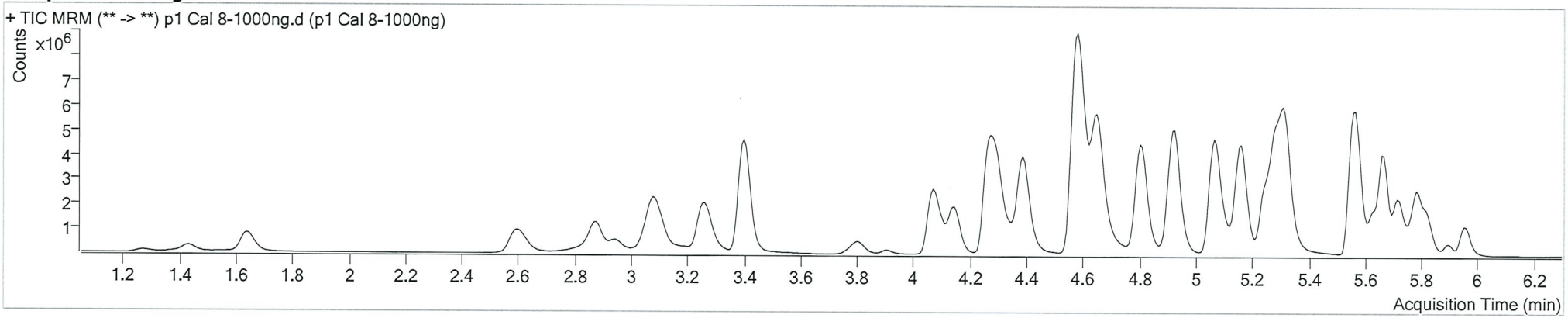
AM #28 Multi-Drug Quant. Results

Batch results	D:\MassHunter\Data\2019\AM 28\101519 MDQ P1 and P2_THCQ TS\QuantResults\MDQ P1 wklst 3754 TS.batch.bin
Calibration Last Update	10/16/2019 1:41:33 PM

Instrument	Falco	**Data File**	p1 Cal 8-1000ng.d
Type	Cal	**Sample**	p1 Cal 8-1000ng
Acq. Method	MDQ P1 Combined 092319.m	**Operator**	
Sample Position	P2-H1	**Comment**	
Injection Volume	2		
Acq. Date-Time	10/15/2019 7:46:30 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.163	136689	771687.29	70.1	38033.96	25910	106.8837 ng/ml
7-aminoclonazepam	4.278	419438	75591.94	82.1	24696.36	31804	614.1375 ng/ml
a-hydroxyalprazolam	5.700	127418	455.87	73.3	3180.60	6966	1037.7560 ng/ml
alpha-PVP	4.391	7717130	147053.36	50.0	106983.62	343337	999.8895 ng/ml
Alprazolam	5.777	1931421	∞	103.6	890.12	47885	1008.9795 ng/ml
Amphetamine	3.088	4870184	42434.42	53.1	2638156.80	101001	594.6261 ng/ml
Benzoylecgonine	3.907	224633	2891.85	7.7	4205.14	10885	1034.4357 ng/ml
Buprenorphine	5.835	239276	3872.63	15.8	3538.87	50845	136.6113 ng/ml
Bupropion	4.807	8236989	1352113.20	58.7	430087.36	301933	981.1889 ng/ml
Carisoprodol	5.733	938811	90528.49	55.9	2363.03	43733	1021.9771 ng/ml
Citalopram	5.249	3895801	6337.59	40.7	482.14	180918	998.2850 ng/ml
Clonazepam	5.614	435212	59435.88	33.1	158057.67	9579	903.7358 ng/ml
Cocaine	4.297	5498518	589164.91	45.7	446111.87	428172	1013.5999 ng/ml
Codeine	2.623	576157	744.18	99.9	43624.87	29317	977.1030 ng/ml
Cyclobenzaprine	5.637	2935818	1598.56	9.4	307.15	107960	1025.5992 ng/ml
Dextromethorphan	5.299	1801631	69639.88	79.0	∞	81899	1004.7177 ng/ml
Dextrorphan	4.147	1671128	1173227.80	211.1	∞	225942	1002.1797 ng/ml

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AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Diazepam	5.961	1580092	6465.34	87.6	20712.00	81612	976.8191 ng/ml
Dihydrocodeine	2.588	1775943	266083.60	66.4	55031.22	142975	758.6383 ng/ml
Diphenhydramine	5.320	8591250	703778.95	33.0	46773.86	646418	994.4037 ng/ml
Doxylamine	4.581	18192741	589681.16	95.4	∞	762261	988.4494 ng/ml
EDDP	5.284	7231010	298927.18	42.4	139281.23	394748	1006.6949 ng/ml
Fentanyl	5.113	453427	111128.99	72.9	26973.60	226201	107.4549 ng/ml
Fluoxetine	5.716	3062621	187978.66	8.7	287367.83	130517	1002.2466 ng/ml
Hydrocodone	3.052	1930204	368.55	40.2	312.74	151984	904.6563 ng/ml
Hydromorphone	1.641	1688430	∞	72.8	∞	67328	982.7540 ng/ml
Ketamine	4.074	5491874	486839.30	38.1	108482.17	292693	913.8370 ng/ml
Lamotrigine	4.315	227091	121750.14	77.7	88974.63	292693	452.5202 ng/ml
Lorazepam	5.748	251496	9490.06	54.5	424.35	9579	1193.2101 ng/ml
Meprobamate	4.929	259262	178.14	25.0	3350.57	20441	678.8367 ng/ml
Methadone	5.668	5922641	1573.96	51.7	116911.51	263854	1012.8211 ng/ml
Methamphetamine	3.263	5569334	63215.94	42.9	∞	380191	728.7650 ng/ml
Metoprolol	4.346	947118	∞	97.9	18336.24	679710	736.7097 ng/ml
Mirtazapine	4.650	10185648	541055.37	49.0	451914.72	343337	1066.9253 ng/ml
Mitragynine	5.247	1241281	43325.24	39.9	47376.33	263854	995.8763 ng/ml
Morphine	1.273	308521	6030.33	21.6	24786.48	3648	927.4379 ng/ml
Norbuprenorphine	5.024	6738	100.80	77.1	916.66	3092	96.9249 ng/ml
Nordiazepam	5.901	586699	597.32	57.3	8852.04	19358	983.6189 ng/ml
Norfentanyl	4.108	913838	19994.69	37.9	27204.76	345125	113.9564 ng/ml
Norhydrocodone	3.100	83239	∞	37.0	522.86	25412	1178.9696 ng/ml
Noroxycodone	2.943	1166055	8432.23	48.6	17017.92	37138	954.5866 ng/ml
O-desmethyl-tramadol	3.401	12989468	392897.73	6.1	106607.76	732725	996.5560 ng/ml
Oxazepam	5.751	303247	444.17	72.9	1047.25	21768	938.0281 ng/ml
Oxycodone	2.874	4062743	∞	31.1	7564.78	197625	979.8378 ng/ml
Oxymorphone	1.430	839513	∞	47.1	1684.69	32048	973.3045 ng/ml
Phentermine	3.805	1638702	9181.69	2.2	1653.93	309733	729.1654 ng/ml
Promethazine	5.556	7405423	565621.12	29.9	44768.55	336151	991.2780 ng/ml
Quetiapine	5.571	5140760	408455.97	59.2	∞	97013	756.9986 ng/ml
Sertraline	5.791	1384668	46966.74	92.6	1881.96	60158	993.6849 ng/ml
Temazepam	5.825	2139873	42787.08	29.6	5779.69	114803	1014.9824 ng/ml
Tramadol	4.267	10484917	205988.49	3.4	1501.96	679710	890.1042 ng/ml
Trazodone	5.160	7493088	1427513.10	78.1	725573.24	344230	912.7345 ng/ml
Venlafaxine	5.067	10219418	9616.95	35.0	10120.51	563099	1005.8137 ng/ml
Zolpidem	4.925	11697233	∞	30.4	∞	694851	869.1506 ng/ml