







REVIEWED

By Anne Nord at 11:36 am, Oct 24, 2019

§ 10/23/2019

Worklist: 3770

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2019-4380	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2019-4452	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2019-4565	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2019-4654	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2019-3113	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2019-3137	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2019-3138	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2019-3186	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2019-3187	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2019-3188	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2019-3195	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2019-3203	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2019-3208	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

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

Extraction Date: 10/23/19 Analyst: Sarah Pickle
 Plate lot#: 190729 Item #: IDP-111 Plate Expiration: 01/29/20

Mobile phase A: 5mM Amm Form + 0.01% FA **Mobile phase B:** 0.01% Formic Acid in MeOH
 0.5M Ammonium Hydroxide Ethyl Acetate 20% Methanol in Water
Blank Blood Lot: 445283-3 **Column:** Agilent 120 EC-C18 (2.1x 100-2.7um)
LCMS-QQQ ID: 069901

Pre-Analytic:

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

Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Pipette **250 µL 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 **250 µL 0.5M ammonium hydroxide** in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **300 µL 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 **900 µL ethyl acetate**.
- 10. Wait 5 minutes.
- 11. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.
- 12. Add **900 µL 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 **100 µL 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\102219 MDQ THCO SP* Batch Name: *MDQ*
- 2. Make necessary changes to integration limits
- 3. Integration linear and R² values ≥0.98 for each analyte.
- 4. For unknown samples and controls: response ratio within 20% of average of controls and standards, RT within +/- 5% (tramadol RT +/-2%), S/N for primary transition >10 and secondary transitions >5.
- 5. Did all QCs pass for each analyte? Y / N _____ Add Control data to QC tracking spreadsheet.
- 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports.

COMMENTS: **Curve Range Limited:** amphetamine 5-500, buprenorphine 0.5-25, lamotrigine 5-250, metoprolol 5-500, norbuprenorphine 2.5-100

AM #28 Multi-Drug Quant. Results

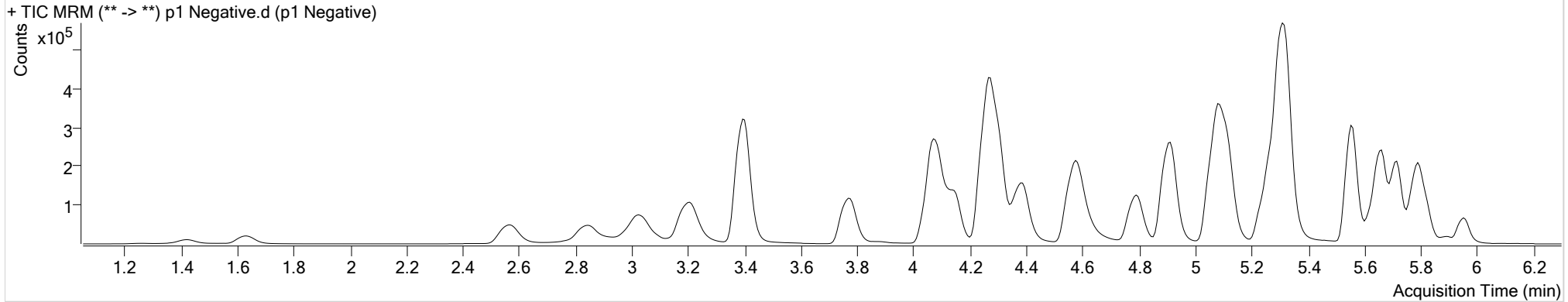
S



Batch results D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
Calibration Last Update 10/24/2019 8:50:29 AM

Instrument Type	Falco Sample	Data File	p1 Negative.d
Acq. Method	MDQ P1 Combined 092319.m	Sample Operator	p1 Negative
Sample Position	P2-E6	Comment	
Injection Volume	2		
Acq. Date-Time	10/23/2019 6:50:39 PM		
Sample Info.			

Sample Chromatogram



AM #28 Multi-Drug Quant. Results



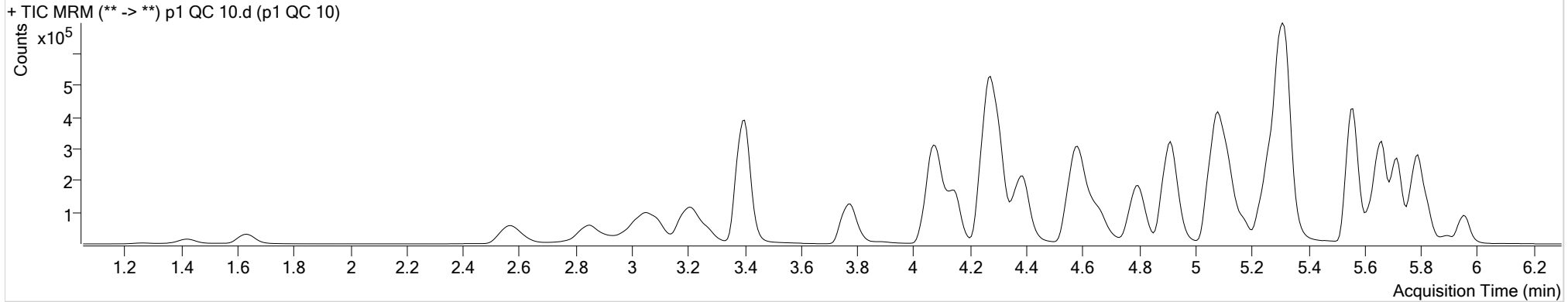
Batch results
Calibration Last Update

D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
10/24/2019 8:50:29 AM

Instrument Falco
Type QC
Acq. Method MDQ P1 Combined 092319.m
Sample Position P2-A6
Injection Volume 2
Acq. Date-Time 10/23/2019 5:05:27 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	1882	1032.47	72.2	2992.12	37919	0.9498 ng/ml
7-aminoclonazepam	4.285	22370	1415.99	82.8	8749.16	89640	9.8858 ng/ml
a-hydroxyalprazolam	5.707	1676	88.36	70.3	149.46	8996	10.1766 ng/ml
alpha-PVP	4.398	129794	7722.96	50.0	4958.08	574067	10.0106 ng/ml
Alprazolam	5.784	47035	458.59	110.0	396.13	118432	9.8388 ng/ml
Amphetamine	3.088	160954	306.97	55.2	647.01	171432	10.1707 ng/ml
Benzoylcegonine	3.907	2896	337.75	8.4	60.06	11415	10.1112 ng/ml
Buprenorphine	5.848	6370	367.06	15.3	∞	183377	1.0019 ng/ml
Bupropion	4.813	145029	6513.24	59.0	1891.85	476173	9.9987 ng/ml
Carisoprodol	5.733	32289	24323.78	53.9	163.99	160169	9.9349 ng/ml
Citalopram	5.249	96274	4205.87	42.0	956.85	437417	9.8326 ng/ml
Clonazepam	5.620	7870	428.68	35.2	5854.73	14271	10.0555 ng/ml
Cocaine	4.298	113478	5788.47	45.9	7055.25	903776	9.8757 ng/ml
Codeine	2.617	12980	3641.26	102.4	1380.27	54021	10.0133 ng/ml
Cyclobenzaprine	5.637	73707	145.28	9.7	116.21	266942	10.0804 ng/ml
Dextromethorphan	5.299	57977	114.96	78.9	1726.62	260399	10.1951 ng/ml
Dextrorphan	4.147	32529	869.06	211.7	2052.41	428065	10.2254 ng/ml
Diazepam	5.961	38076	1454.37	88.4	619.85	180368	10.0449 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Dihydrocodeine	2.595	34211	461563.66	65.8	6112.78	185239	10.1729 ng/ml
Diphenhydramine	5.320	216566	287.45	33.4	5585.62	1617026	10.2583 ng/ml
Doxylamine	4.594	263554	2246.02	98.2	1323.05	1083451	9.8357 ng/ml
EDDP	5.291	97195	726.86	41.9	828.19	519608	10.3182 ng/ml
Fentanyl	5.120	7389	∞	72.1	77.45	389208	1.0236 ng/ml
Fluoxetine	5.716	93790	3314.72	9.0	∞	377796	10.5361 ng/ml
Hydrocodone	3.065	29513	73.68	40.8	34.24	200986	9.5842 ng/ml
Hydromorphone	1.641	24245	763.85	75.8	281.59	91974	9.8038 ng/ml
Ketamine	4.074	100158	7734.39	37.5	203.38	446469	10.2736 ng/ml
Lamotrigine	4.315	8947	852.81	84.3	1462.28	446469	10.0744 ng/ml
Lorazepam	5.755	2840	24.94	51.1	9.04 Low	14271	8.9924 ng/ml
Meprobamate	4.929	7037	1142.95	23.6	53.80	37648	9.6873 ng/ml
Methadone	5.668	121377	27165.47	52.9	554.79	571269	9.7293 ng/ml
Methamphetamine	3.269	117779	402.33	43.2	430.11	479029	10.2646 ng/ml
Metoprolol	4.346	25421	6451.61	97.4	∞	1137281	10.3730 ng/ml
Mirtazapine	4.657	176248	10224.62	48.7	5679.37	574067	8.9365 ng/ml
Mitragynine	5.254	27341	6029.98	38.7	725.73	571269	9.8104 ng/ml
Morphine	1.266	4540	5777.28	21.1	581.82	4562	9.9161 ng/ml
Norbuprenorphine	5.003	130	23.23	78.9	49.17	5667	0.6107 ng/ml outside curve range
Nordiazepam	5.901	11530	7687.77	55.4	533.10	35152	10.3693 ng/ml
Norfentanyl	4.108	14581	866.14	38.3	382.34	693183	0.9987 ng/ml
Norhydrocodone	3.106	974	73.20	38.5	40.62	48955	9.8722 ng/ml
Noroxycodone	2.950	21877	591.66	48.9	904.89	63411	9.9067 ng/ml
O-desmethyl-tramadol	3.401	220994	689.30	6.3	227.67	1181592	10.1653 ng/ml
Oxazepam	5.758	3573	18.27	74.5	9.22 Low	22629	9.5373 ng/ml
Oxycodone	2.874	55635	4435.75	31.4	388.09	244783	10.3268 ng/ml
Oxymorphone	1.423	14027	241.15	47.0	228.43	49827	9.8301 ng/ml
Phentermine	3.805	42193	665.37	2.3	∞	478420	10.3159 ng/ml
Promethazine	5.562	167459	2760.66	30.8	410.23	747792	9.9901 ng/ml
Quetiapine	5.571	141133	2843.70	60.1	338.94	179998	10.4560 ng/ml
Sertraline	5.791	55861	1178.83	94.3	533.00	242520	10.0371 ng/ml
Temazepam	5.825	39825	235.82	33.4	138.98	199659	10.3722 ng/ml
Tramadol	4.273	234041	545.74	3.3	141.80	1137281	10.6147 ng/ml
Trazodone	5.167	130181	534.84	78.0	20509.07	520586	10.1312 ng/ml
Venlafaxine	5.067	170838	385.16	36.7	208.52	932062	10.2545 ng/ml
Zolpidem	4.932	197335	∞	30.9	14508.80	935769	10.1817 ng/ml

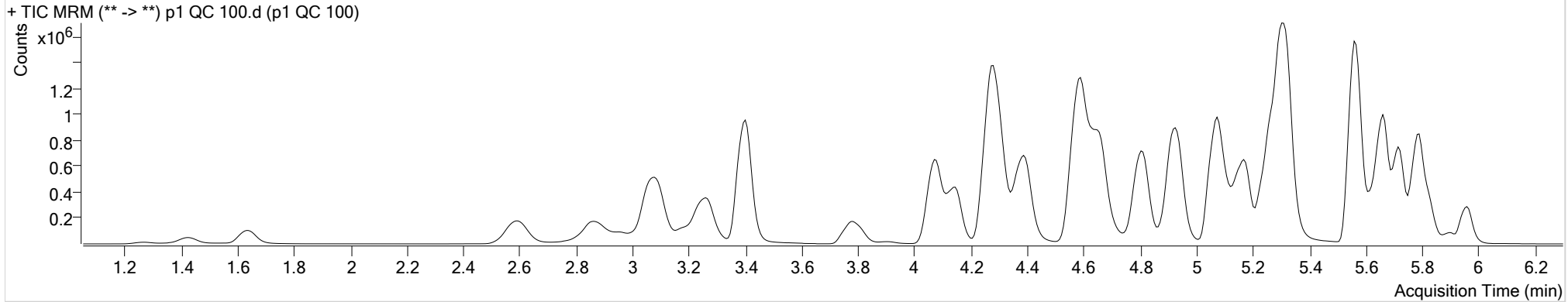
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
Calibration Last Update 10/24/2019 8:50:29 AM

Instrument Falco **Data File** p1 QC 100.d
Type QC **Sample** p1 QC 100
Acq. Method MDQ P1 Combined 092319.m **Operator**
Sample Position P2-B6 **Comment**
Injection Volume 2
Acq. Date-Time 10/23/2019 5:26:28 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.170	17656	8905.63	69.9	16407.50	36126	9.7118 ng/ml
7-aminoclonazepam	4.285	183004	28145.41	83.3	∞	79635	103.4737 ng/ml
a-hydroxyalprazolam	5.707	15926	367.79	68.6	609.17	9067	91.4127 ng/ml
alpha-PVP	4.398	1234965	35210.70	50.3	17052.74	562769	95.1590 ng/ml
Alprazolam	5.784	438580	11895.74	102.1	1943.27	108992	99.1767 ng/ml
Amphetamine	3.088	1408183	22139.45	52.9	∞	160835	106.4589 ng/ml
Benzoylcegonine	3.907	23087	∞	7.3	164.62	11181	102.7906 ng/ml
Buprenorphine	5.848	61979	2726.17	16.5	∞	171519	9.9486 ng/ml
Bupropion	4.813	1405456	126098.93	59.1	1400.00	473523	101.7217 ng/ml
Carisoprodol	5.733	279793	668.44	54.3	2218.58	138571	99.0979 ng/ml
Citalopram	5.249	914760	111128.45	41.9	30298.77	424827	100.3355 ng/ml
Clonazepam	5.620	75650	4069.39	33.1	88988.15	13541	109.2177 ng/ml
Cocaine	4.297	1050120	1594457.75	46.0	99104.19	855651	96.1584 ng/ml
Codeine	2.617	114629	340.44	101.0	12388.63	50460	105.0453 ng/ml
Cyclobenzaprine	5.637	697674	43101.11	9.7	5379.84	259996	98.8217 ng/ml
Dextromethorphan	5.299	537771	63572.14	79.8	27333.06	252154	98.4886 ng/ml
Dextrorphan	4.147	318732	3754.52	210.8	1300.44	424629	101.7407 ng/ml
Diazepam	5.961	353424	750.53	87.9	655.83	173615	99.3041 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Dihydrocodeine	2.595	321874	22517.62	66.0	680.74	183075	104.6431 ng/ml
Diphenhydramine	5.320	2031845	106886.40	33.1	5066.67	1562445	97.8829 ng/ml
Doxylamine	4.588	2643714	100207.72	96.0	175465.96	1098827	99.2520 ng/ml
EDDP	5.291	906748	11201.40	42.9	32290.31	516178	97.7637 ng/ml
Fentanyl	5.120	73232	892.99	72.0	148766.13	394326	9.8892 ng/ml
Fluoxetine	5.716	893578	15769.98	9.0	393.96	382678	97.6341 ng/ml
Hydrocodone	3.058	285198	407.03	41.8	261.10	194923	100.6747 ng/ml
Hydromorphone	1.641	209430	1453.96	75.9	1661.63	82626	95.0701 ng/ml
Ketamine	4.074	948400	1307.99	38.3	784.76	444286	102.3869 ng/ml
Lamotrigine	4.308	79149	3570.74	80.1	11365.47	444286	100.0186 ng/ml
Lorazepam	5.755	27376	463.92	52.0	46.91	13541	92.0885 ng/ml
Meprobamate	4.929	65107	19884.94	25.0	451.36	36793	100.4001 ng/ml
Methadone	5.668	1204320	2931.05	52.0	1687.22	571318	95.7102 ng/ml
Methamphetamine	3.262	1066568	1188.36	42.6	6012.92	483953	107.2546 ng/ml
Metoprolol	4.346	226583	323713.97	96.5	∞	1144791	102.1365 ng/ml
Mirtazapine	4.657	1741122	20750.27	48.9	∞	562769	90.8657 ng/ml
Mitragynine	5.247	258510	509515.15	39.8	164089.17	571318	101.8499 ng/ml
Morphine	1.266	38138	794.78	20.9	3159.34	3947	100.0868 ng/ml
Norbuprenorphine	5.017	1169	61.37	78.0	2039.60	5898	9.5122 ng/ml
Nordiazepam	5.908	107998	6033.51	57.6	1743.47	34316	101.6956 ng/ml
Norfentanyl	4.108	138172	546.38	37.4	539.63	668286	9.8169 ng/ml
Norhydrocodone	3.106	12119	444.44	36.5	101.75	51404	85.8197 ng/ml
Noroxycodone	2.950	204067	1044.66	48.1	261.49	60254	101.7042 ng/ml
O-desmethyl-tramadol	3.401	2151763	48611.83	6.2	5932.24	1190496	100.0485 ng/ml
Oxazepam	5.758	33612	264.53	74.5	693.62	20965	101.8268 ng/ml
Oxycodone	2.868	550833	5904.81	31.0	16412.38	249103	104.0120 ng/ml
Oxymorphone	1.423	125106	309.78	47.0	482.74	47138	97.7782 ng/ml
Phentermine	3.805	369965	∞	2.4	753.80	459851	105.1467 ng/ml
Promethazine	5.562	1635991	3990.08	30.6	1021.91	748410	98.1788 ng/ml
Quetiapine	5.571	1344931	1271.71	59.3	41302.54	178384	107.3356 ng/ml
Sertraline	5.791	498360	12297.35	91.2	2818.74	222458	97.4927 ng/ml
Temazepam	5.825	372376	1301.51	29.8	917.62	191526	101.0431 ng/ml
Tramadol	4.273	2148499	78468.19	3.4	765.90	1144791	104.2165 ng/ml
Trazodone	5.167	1309641	1770.74	78.0	900.47	541880	100.7836 ng/ml
Venlafaxine	5.067	1670704	31455.57	36.0	2049.15	942566	96.7136 ng/ml
Zolpidem	4.932	1944728	71582.79	30.9	54587.02	946317	102.3812 ng/ml

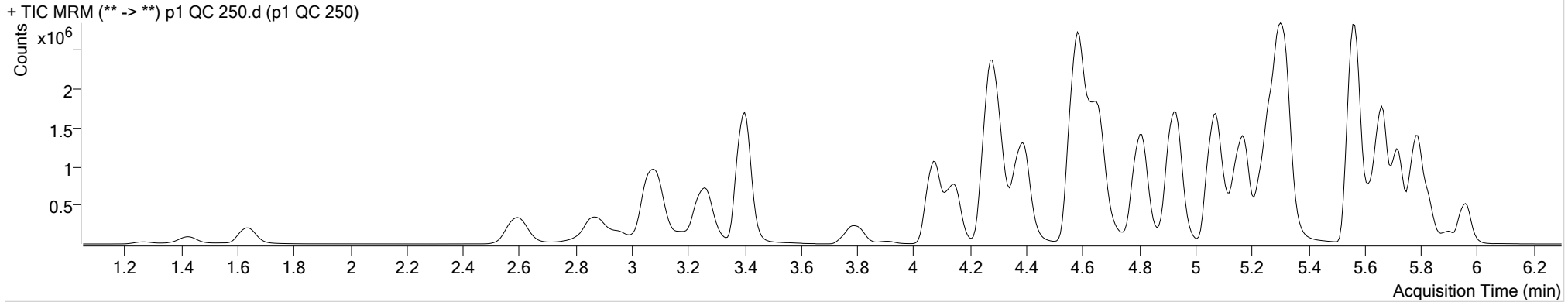
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
Calibration Last Update 10/24/2019 8:50:29 AM

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-C6 **Comment**
Injection Volume 2
Acq. Date-Time 10/23/2019 5:47:29 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.163	39824	26690.71	70.3	7997.76	31436	25.2395 ng/ml
7-aminoclonazepam	4.285	329830	34726.74	82.8	246399.32	60695	246.7534 ng/ml
a-hydroxyalprazolam	5.700	34556	1600.98	73.3	282.62	7814	229.3411 ng/ml
alpha-PVP	4.398	2761253	2230.49	50.1	1246.62	492829	242.6031 ng/ml
Alprazolam	5.784	918852	2420.78	104.8	9439.35	93261	242.7468 ng/ml
Amphetamine	3.088	2737463	80646.27	53.3	1504.26	135880	246.7745 ng/ml
Benzoylcegonine	3.907	53742	274.42	7.7	889.95	10586	256.9141 ng/ml
Buprenorphine	5.848	135052	38275.57	15.4	8118.93	136266	27.1981 ng/ml
Bupropion	4.813	3094177	552282.35	58.4	1374.55	414580	256.5269 ng/ml
Carisoprodol	5.733	555252	67104.90	53.4	319.00	108578	250.9169 ng/ml
Citalopram	5.249	1911821	102486.70	41.8	785.44	350355	254.9954 ng/ml
Clonazepam	5.620	160810	∞	33.3	63284.16	12205	258.6750 ng/ml
Cocaine	4.298	2255069	157439.91	45.9	358315.45	727844	242.6894 ng/ml
Codeine	2.617	247172	8038.17	100.9	10818.85	42378	271.6275 ng/ml
Cyclobenzaprine	5.637	1417795	196946.49	9.7	18525.93	207707	251.5297 ng/ml
Dextromethorphan	5.299	1083760	33141.41	79.5	57435.57	202326	247.5108 ng/ml
Dextrorphan	4.147	704157	139344.83	210.5	39069.04	369476	258.4513 ng/ml
Diazepam	5.961	757478	1845.46	87.7	8415.60	146539	252.5926 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Dihydrocodeine	2.595	698006	23394.63	65.5	1308.74	164323	254.1182 ng/ml
Diphenhydramine	5.327	4129685	346022.15	33.3	486.91	1247195	248.9260 ng/ml
Doxylamine	4.581	6052544	10976.41	96.8	∞	998410	250.4195 ng/ml
EDDP	5.291	2181936	87299.95	42.5	26002.74	489067	248.4513 ng/ml
Fentanyl	5.120	162227	1047.76	72.2	256.34	338331	25.5104 ng/ml
Fluoxetine	5.716	1765332	25209.56	9.0	4892902.9	293895	250.8777 ng/ml
					1		
Hydrocodone	3.058	638800	137.52	40.2	204.94	174456	252.8196 ng/ml
Hydromorphone	1.641	479059	5841.35	78.4	11897.17	75010	239.6892 ng/ml
Ketamine	4.074	2108863	229751.15	38.6	2091.04	398475	254.6460 ng/ml
Lamotrigine	4.308	150147	55510.91	80.7	4634.30	398475	213.0270 ng/ml
Lorazepam	5.755	60845	983.79	55.6	211.17	12205	227.2001 ng/ml
Meprobamate	4.929	139150	20408.31	25.1	2485.47	31762	250.0860 ng/ml
Methadone	5.668	2580984	39468.05	52.6	19201.64	479242	244.3830 ng/ml
Methamphetamine	3.262	2273968	5907.88	42.8	1146.82	428459	260.9850 ng/ml
Metoprolol	4.346	447909	8267397.47	97.7	∞	1012360	229.9328 ng/ml
Mirtazapine	4.657	3832516	278242.61	48.8	135896.85	492829	228.5316 ng/ml
Mitragynine	5.247	545568	3131805.97	39.7	13090.49	479242	257.8770 ng/ml
Morphine	1.266	85629	5587.05	20.6	9763.07	3478	255.6863 ng/ml
Norbuprenorphine	5.017	2687	134.41	83.8	31.82	5255	25.4325 ng/ml
Nordiazepam	5.908	233495	8028.08	58.1	35100.02	29667	254.7095 ng/ml
Norfentanyl	4.108	295424	23727.15	37.4	850.22	563759	24.8808 ng/ml
Norhydrocodone	3.106	25280	402.72	38.9	94.76	43850	205.7046 ng/ml
Noroxycodone	2.950	434093	1622.99	48.7	∞	51965	251.5978 ng/ml
O-desmethyl-tramadol	3.401	4912944	219919.24	6.2	29699.76	1056927	257.6292 ng/ml
Oxazepam	5.758	75474	256.86	69.7	506.75	18626	258.1901 ng/ml
Oxycodone	2.868	1274499	19401.77	31.2	3446.39	229597	261.7176 ng/ml
Oxymorphone	1.423	276427	569.41	48.3	∞	39800	256.8523 ng/ml
Phentermine	3.805	753861	∞	2.3	724.12	393569	252.2126 ng/ml
Promethazine	5.556	3450607	240618.92	30.4	3469.07	621697	249.3992 ng/ml
Quetiapine	5.571	2814387	1753.95	59.2	1132.19	149757	268.7228 ng/ml
Sertraline	5.791	896226	31705.26	90.8	4139.65	161293	241.7911 ng/ml
Temazepam	5.825	821455	15153.36	29.5	466.92	165528	257.8976 ng/ml
Tramadol	4.267	4616031	∞	3.4	678.70	1012360	254.5037 ng/ml
Trazodone	5.167	2897247	352717.85	79.4	2755.35	482378	250.9513 ng/ml
Venlafaxine	5.067	3730643	10318.44	36.7	4211.15	835198	243.2915 ng/ml
Zolpidem	4.932	4326318	428399.14	30.7	71618.74	865747	249.4746 ng/ml

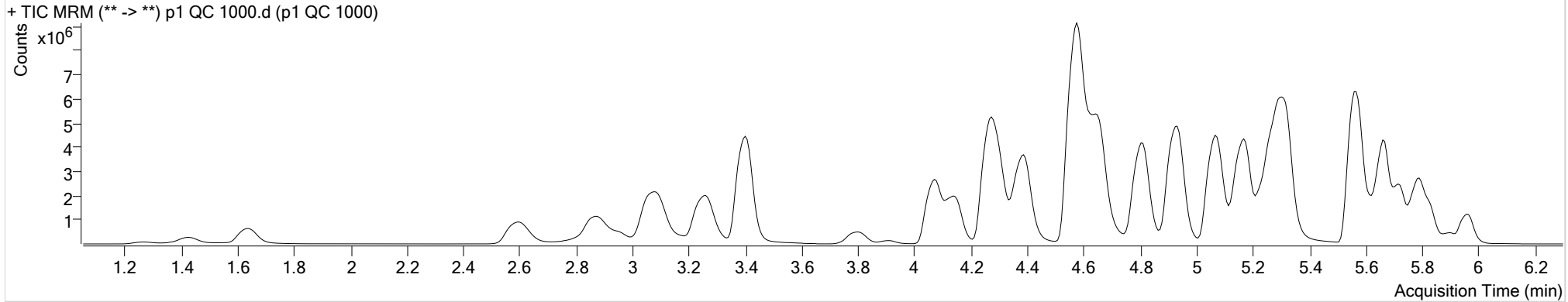
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
Calibration Last Update 10/24/2019 8:50:29 AM

Instrument Falco **Data File** p1 QC 1000.d
Type QC **Sample** p1 QC 1000
Acq. Method MDQ P1 Combined 092319.m **Operator**
Sample Position P2-D6 **Comment**
Injection Volume 2
Acq. Date-Time 10/23/2019 6:08:32 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.170	137452	∞	71.2	19790.29	25348	108.1693 ng/ml
7-aminoclonazepam	4.285	503642	25743.13	85.2	∞	29307	783.6005 ng/ml
a-hydroxyalprazolam	5.700	123445	305.64	70.7	658.50	6196	1031.3666 ng/ml
alpha-PVP	4.391	8894274	293312.96	49.8	106925.34	386900	994.6865 ng/ml
Alprazolam	5.784	2386912	∞	103.4	∞	57992	1013.9141 ng/ml
Amphetamine	3.095	6232000	75275.27	53.4	300515.28	106187	721.5608 ng/ml outside curve range
Benzoylcegonine	3.907	242155	33909.55	7.5	15236.67	10956	1128.2498 ng/ml
Buprenorphine	5.848	339219	30744.18	16.3	∞	62527	148.6537 ng/ml outside curve range
Bupropion	4.813	10003919	668018.54	58.1	97175.91	340589	1011.0061 ng/ml
Carisoprodol	5.733	1203480	85714.68	53.6	∞	57847	1020.6580 ng/ml
Citalopram	5.243	4531866	141444.79	41.5	31325.69	212116	999.7553 ng/ml
Clonazepam	5.614	439033	4185.43	33.0	7562.36	8976	962.3749 ng/ml
Cocaine	4.298	6253908	275951.58	45.0	138162.22	497465	984.6042 ng/ml
Codeine	2.623	679255	430.55	103.8	25779.81	30219	1050.2979 ng/ml
Cyclobenzaprine	5.631	3322207	130259.02	9.7	2838.84	121640	1006.7090 ng/ml
Dextromethorphan	5.299	2343311	74140.29	79.2	97422.75	108340	999.7264 ng/ml
Dextrorphan	4.147	2139431	1964.44	212.6	28525.23	281789	1029.8497 ng/ml
Diazepam	5.961	2078518	23955.39	88.6	8231.18	102218	994.4734 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
Dihydrocodeine	2.588	2135193	39028.63	66.5	39030.04	145593	879.5911 ng/ml	
Diphenhydramine	5.327	10050200	531861.96	33.0	56677.30	742890	1016.4285 ng/ml	
Doxylamine	4.574	21499516	590088.95	96.2	∞	889589	999.0023 ng/ml	
EDDP	5.284	7715141	201184.63	42.2	240287.73	419254	1025.1095 ng/ml	
Fentanyl	5.120	469261	3393.54	73.4	1162072.0 5	228489	109.2199 ng/ml	
Fluoxetine	5.716	3854790	43743.17	8.8	34463.15	161882	994.0374 ng/ml	
Hydrocodone	3.052	2203069	170.96	40.6	208.05	162899	935.3309 ng/ml	
Hydromorphone	1.641	1645519	∞	76.1	1577.28	65375	944.9173 ng/ml	
Ketamine	4.074	6721299	132780.57	38.2	9256.13	339390	954.3813 ng/ml	
Lamotrigine	4.315	261652	28084.20	78.5	74658.15	339390	437.2439 ng/ml	outside curve range
Lorazepam	5.748	229738	6455.79	54.2	4494.44	8976	1166.7029 ng/ml	
Meprobamate	4.929	344592	19614.34	25.6	10526.60	22638	871.4680 ng/ml	
Methadone	5.668	7349973	21927.89	50.9	32252.45	328945	1013.6313 ng/ml	
Methamphetamine	3.262	6840280	52759.23	42.6	∞	392408	861.5637 ng/ml	
Metoprolol	4.346	1016362	205399.42	96.7	105498.68	734185	722.2201 ng/ml	outside curve range
Mirtazapine	4.650	12072295	581456.51	48.9	259741.62	386900	917.2269 ng/ml	
Mitragynine	5.241	1352908	50607.30	40.2	24939.37	328945	934.4870 ng/ml	
Morphine	1.266	282412	609.55	20.6	7162.80	3003	978.0094 ng/ml	
Norbuprenorphine	5.017	8369	115.90	81.8	383.65	4634	91.2256 ng/ml	
Nordiazepam	5.908	717266	17363.30	58.0	1887.42	23286	997.5635 ng/ml	
Norfentanyl	4.102	834033	38997.46	37.1	4816.54	384514	102.9874 ng/ml	
Norhydrocodone	3.106	89725	638.01	38.0	331.14	30363	1042.5651 ng/ml	
Noroxycodone	2.950	1350500	13494.60	47.6	4028.79	42181	965.7251 ng/ml	
O-desmethyl-tramadol	3.401	16092852	291570.92	6.1	43539.11	859832	1037.9645 ng/ml	
Oxazepam	5.751	278445	571.95	72.0	296.52	17998	987.3312 ng/ml	
Oxycodone	2.868	4742671	3714.06	31.2	7430.21	215621	1038.2312 ng/ml	
Oxymorphone	1.423	911204	∞	46.7	∞	36517	924.3807 ng/ml	
Phentermine	3.805	2033275	∞	2.2	∞	316660	848.6692 ng/ml	
Promethazine	5.556	8864900	2325.66	29.6	17382.36	392475	1015.1715 ng/ml	
Quetiapine	5.578	7385826	8688.58	60.2	81736.20	111330	950.6130 ng/ml	
Sertraline	5.791	1559742	29234.85	90.3	1755.49	67789	1001.1789 ng/ml	
Temazepam	5.825	2569231	215554.22	29.8	4454.12	125128	1067.0253 ng/ml	
Tramadol	4.260	13064142	∞	3.4	687.65	734185	995.8487 ng/ml	
Trazodone	5.167	9490619	744218.89	78.0	462415.20	396756	1000.4404 ng/ml	
Venlafaxine	5.067	12329457	6252.53	35.5	5671.12	669677	1001.9107 ng/ml	
Zolpidem	4.932	14605260	∞	30.3	∞	749597	973.7514 ng/ml	

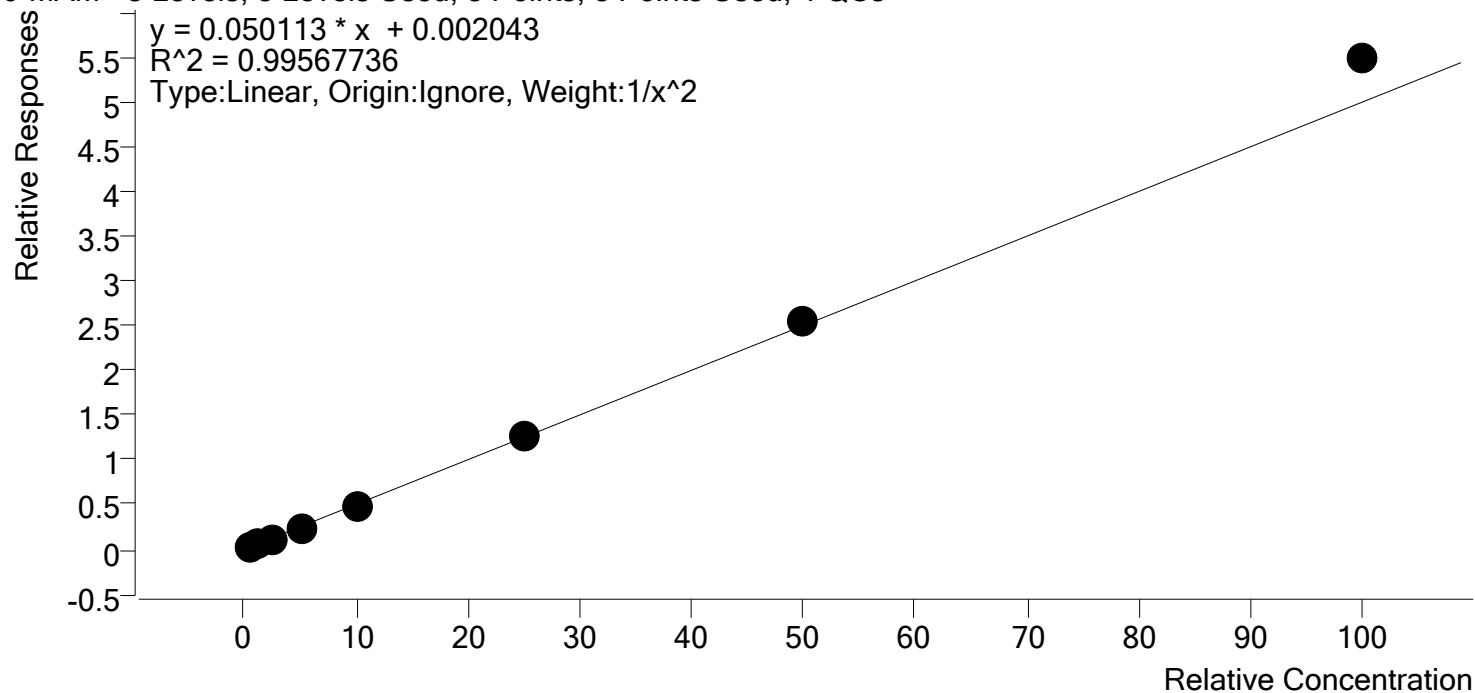
S



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 10/24/2019 8:50 AM
Analyst Name ISP\datastor
Analyte 6-MAM **Internal Standard** 6-MAM-D6

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

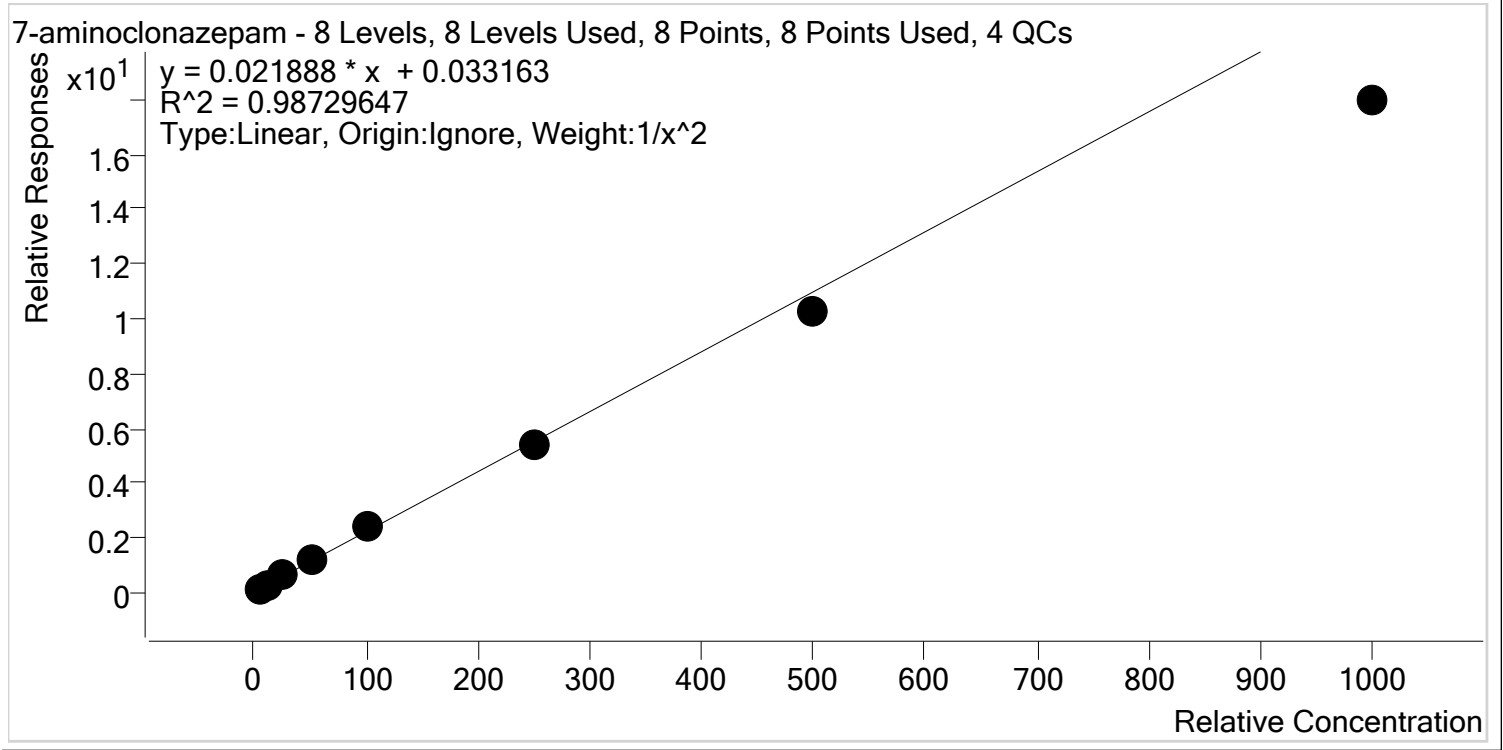


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	104.7
p1 Cal 2- 10ng	2	✓	1.0	0.9	93.8
p1 Cal 3 -25ng	3	✓	2.5	2.4	94.1
p1 Cal 4-50ng	4	✓	5.0	4.8	96.6
p1 Cal 5-100ng	5	✓	10.0	9.6	96.1
p1 Cal 6-250ng	6	✓	25.0	25.6	102.5
p1 Cal 7-500ng	7	✓	50.0	51.2	102.5
p1 Cal 8-1000ng	8	✓	100.0	109.7	109.7



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 10/24/2019 8:50 AM
Analyst Name ISP\datastor
Analyte 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4

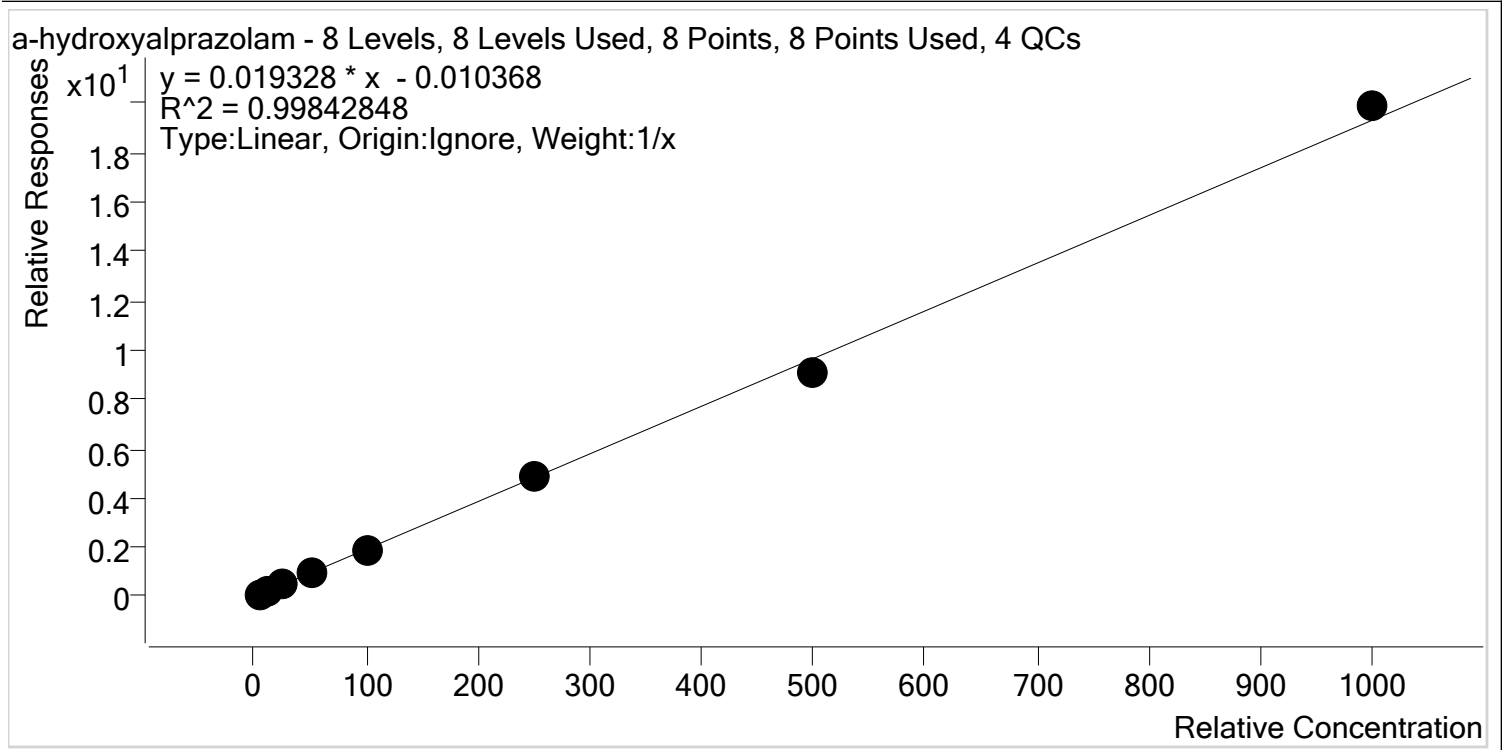


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.7
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.9
p1 Cal 3 -25ng	3	✓	25.0	27.4	109.7
p1 Cal 4-50ng	4	✓	50.0	55.8	111.6
p1 Cal 5-100ng	5	✓	100.0	107.5	107.5
p1 Cal 6-250ng	6	✓	250.0	244.6	97.8
p1 Cal 7-500ng	7	✓	500.0	468.9	93.8
p1 Cal 8-1000ng	8	✓	1000.0	818.9	81.9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 10/24/2019 8:50 AM
Analyst Name ISP\datastor
Analyte a-hydroxyalprazolam **Internal Standard** a-hydroxyalprazolam-D5

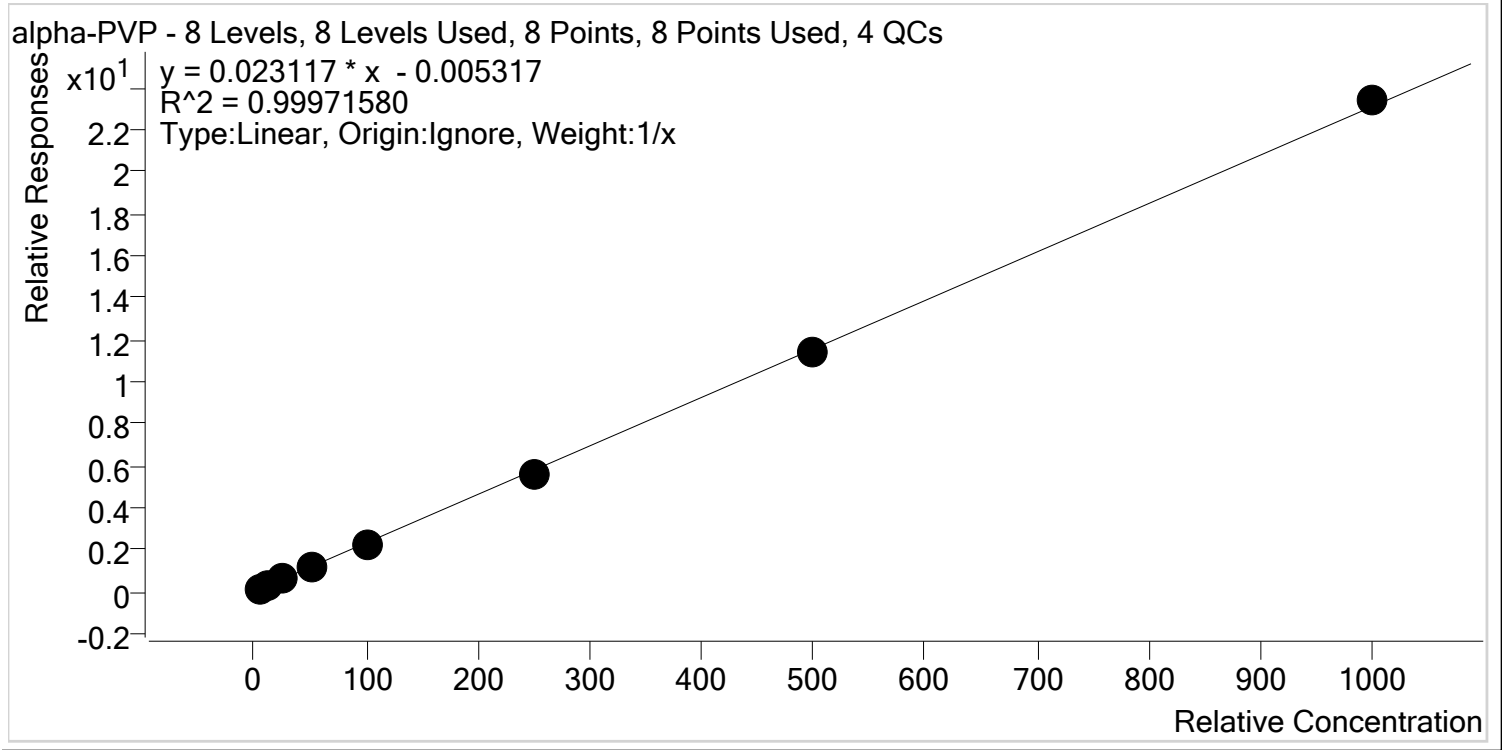


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	106.7
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.3
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.3
p1 Cal 4-50ng	4	✓	50.0	50.5	101.0
p1 Cal 5-100ng	5	✓	100.0	96.3	96.3
p1 Cal 6-250ng	6	✓	250.0	253.2	101.3
p1 Cal 7-500ng	7	✓	500.0	471.0	94.2
p1 Cal 8-1000ng	8	✓	1000.0	1029.4	102.9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 10/24/2019 8:50 AM
Analyst Name ISP\datastor
Analyte alpha-PVP **Internal Standard** alpha-PVP-d8

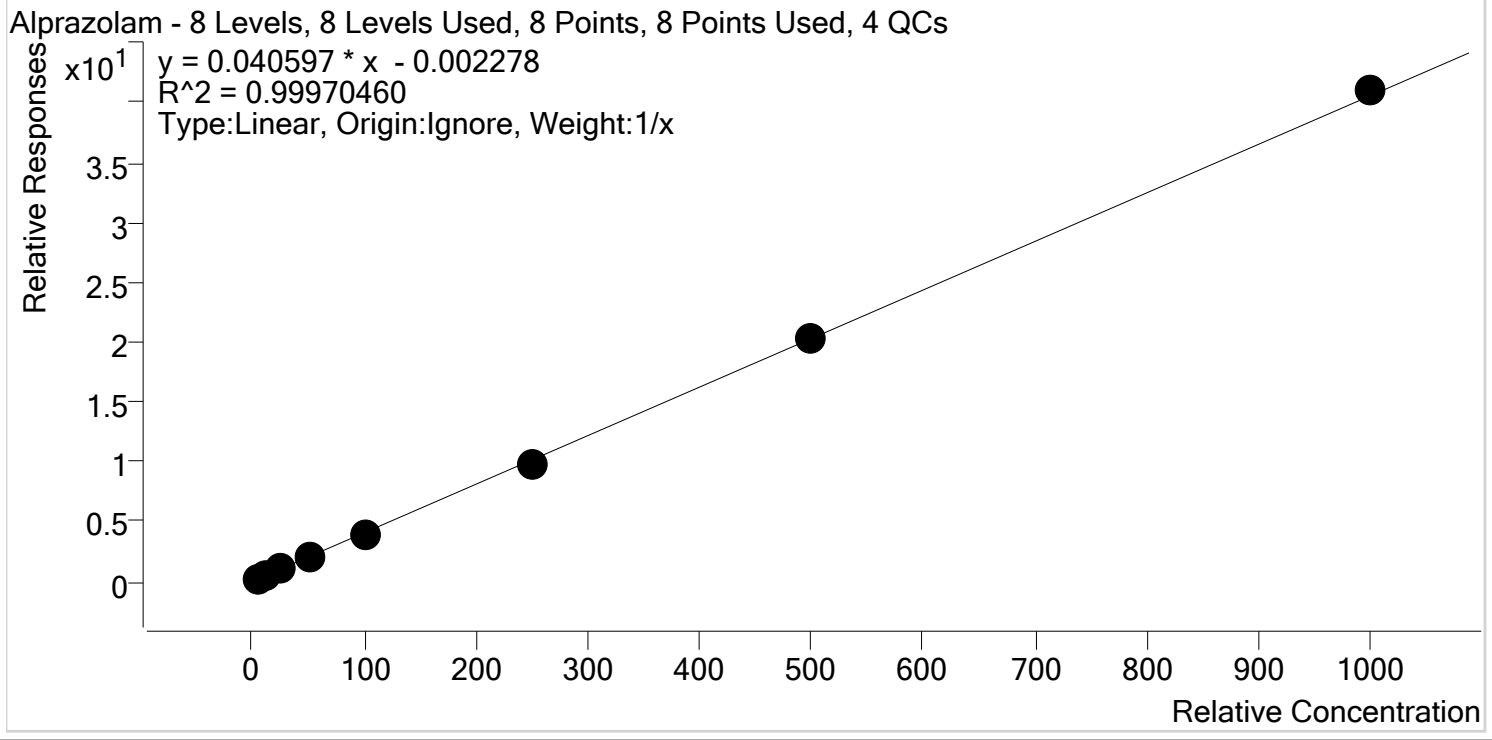


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	106.7
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.1
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.8
p1 Cal 4-50ng	4	✓	50.0	49.6	99.2
p1 Cal 5-100ng	5	✓	100.0	95.6	95.6
p1 Cal 6-250ng	6	✓	250.0	244.8	97.9
p1 Cal 7-500ng	7	✓	500.0	497.4	99.5
p1 Cal 8-1000ng	8	✓	1000.0	1012.5	101.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 10/24/2019 8:50 AM
Analyst Name ISP\datastor
Analyte Alprazolam **Internal Standard** Alprazolam-D5



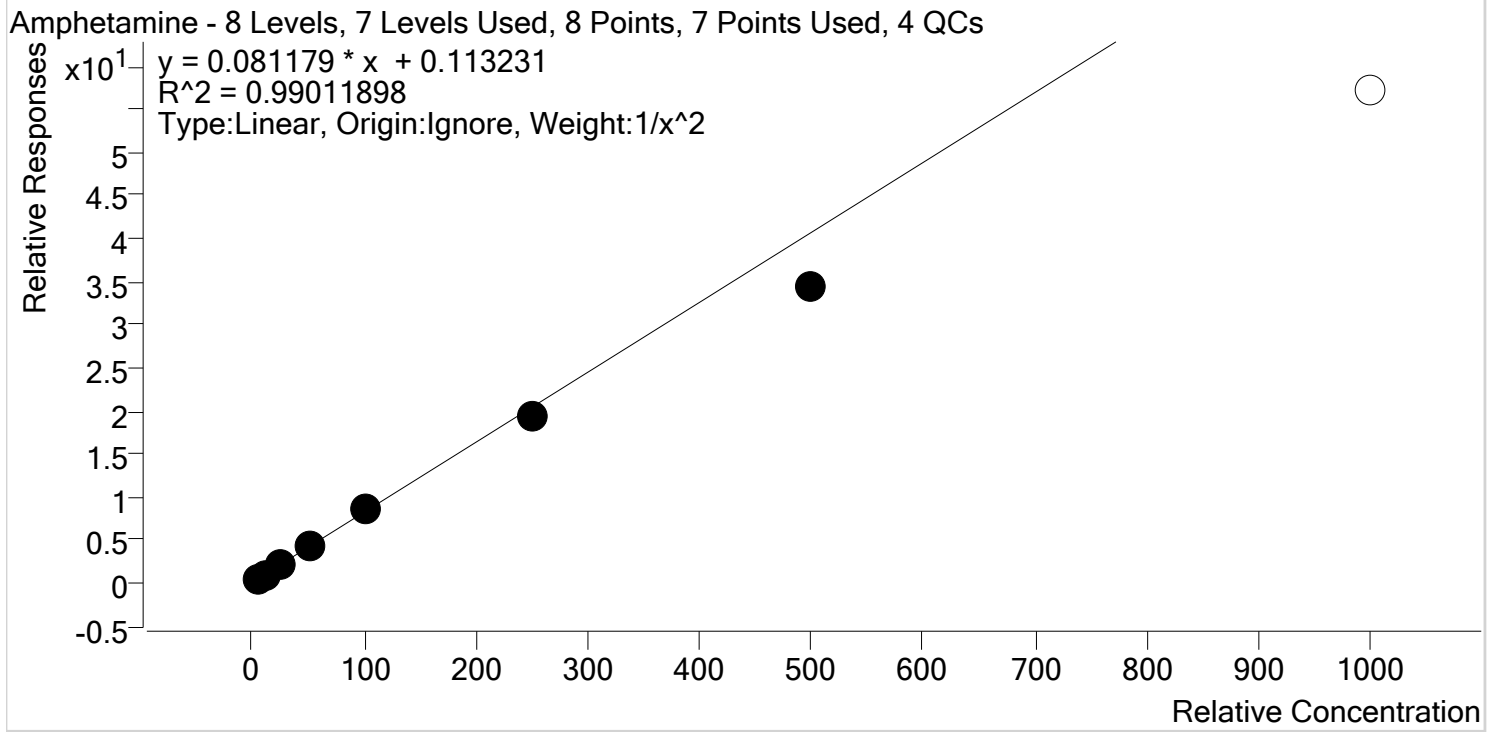
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	106.8
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.5
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.5
p1 Cal 4-50ng	4	✓	50.0	49.7	99.5
p1 Cal 5-100ng	5	✓	100.0	96.8	96.8
p1 Cal 6-250ng	6	✓	250.0	241.8	96.7
p1 Cal 7-500ng	7	✓	500.0	500.9	100.2
p1 Cal 8-1000ng	8	✓	1000.0	1010.8	101.1

8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 10/24/2019 8:50 AM
Analyst Name ISP\datastor
Analyte Amphetamine **Internal Standard** Amphetamine-D11



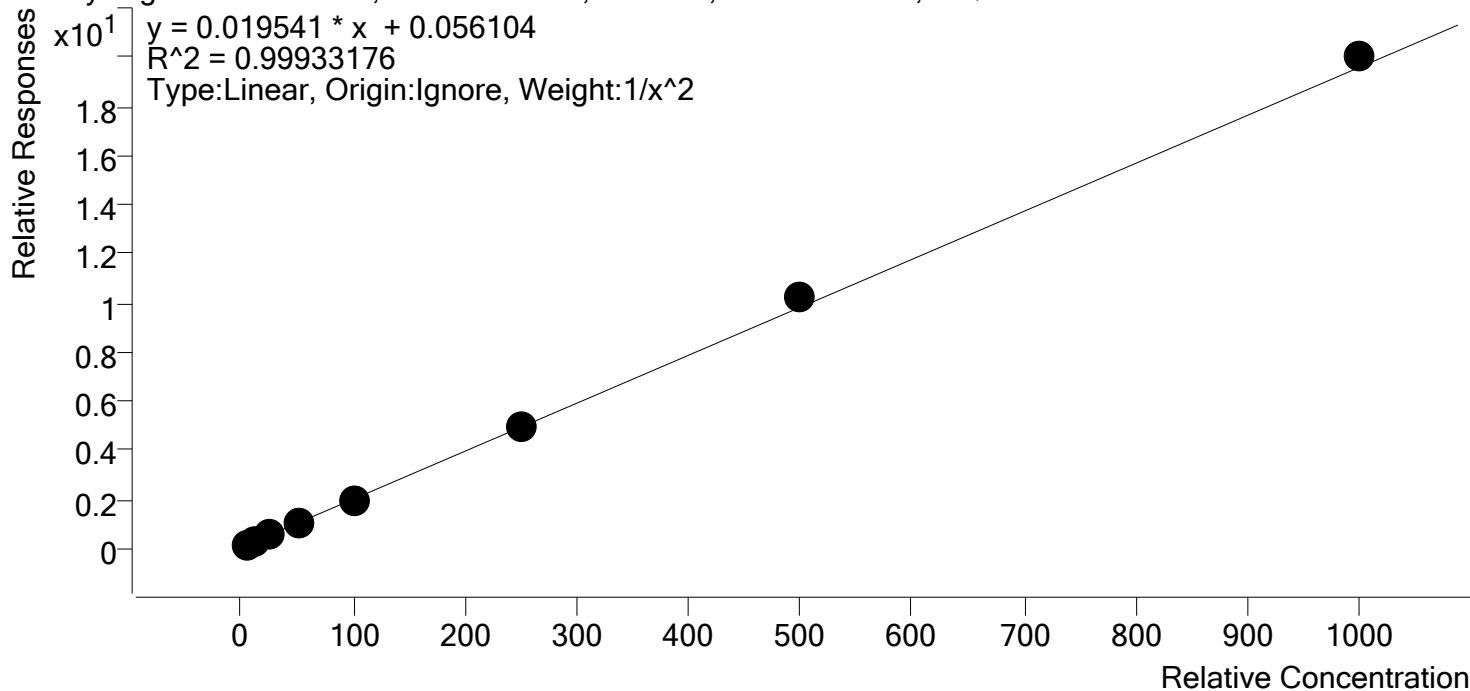
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.0
p1 Cal 2- 10ng	2	✓	10.0	10.4	103.6
p1 Cal 3 -25ng	3	✓	25.0	26.8	107.1
p1 Cal 4-50ng	4	✓	50.0	53.9	107.7
p1 Cal 5-100ng	5	✓	100.0	105.4	105.4
p1 Cal 6-250ng	6	✓	250.0	239.4	95.7
p1 Cal 7-500ng	7	✓	500.0	422.3	84.5
p1 Cal 8-1000ng	8	✗	1000.0	702.8	70.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 10/24/2019 8:50 AM
Analyst Name ISP\datastor
Analyte Benzoylecgonine **Internal Standard** Benzoylecgonine-d8

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.6
p1 Cal 2- 10ng	2	✓	10.0	9.8	97.8
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.2
p1 Cal 4-50ng	4	✓	50.0	49.3	98.5
p1 Cal 5-100ng	5	✓	100.0	98.3	98.3
p1 Cal 6-250ng	6	✓	250.0	248.6	99.4
p1 Cal 7-500ng	7	✓	500.0	518.9	103.8
p1 Cal 8-1000ng	8	✓	1000.0	1022.6	102.3

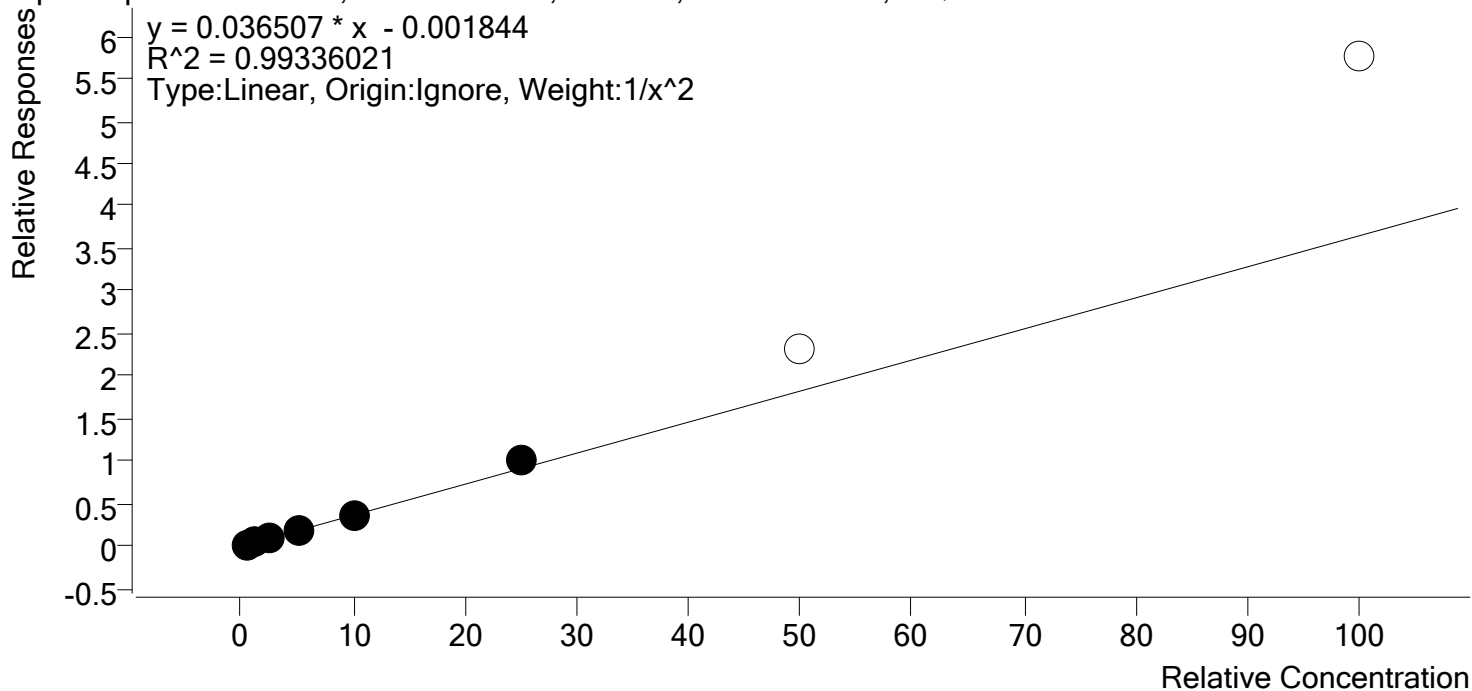
5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 10/24/2019 8:50 AM
Analyst Name ISP\datastor
Analyte Buprenorphine **Internal Standard** Buprenorphine-D4

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	103.5
p1 Cal 2- 10ng	2	✓	1.0	1.0	95.6
p1 Cal 3 -25ng	3	✓	2.5	2.4	94.5
p1 Cal 4-50ng	4	✓	5.0	4.8	96.9
p1 Cal 5-100ng	5	✓	10.0	9.8	97.5
p1 Cal 6-250ng	6	✓	25.0	28.0	112.0
p1 Cal 7-500ng	7	x	50.0	63.9	127.8
p1 Cal 8-1000ng	8	x	100.0	157.7	157.7

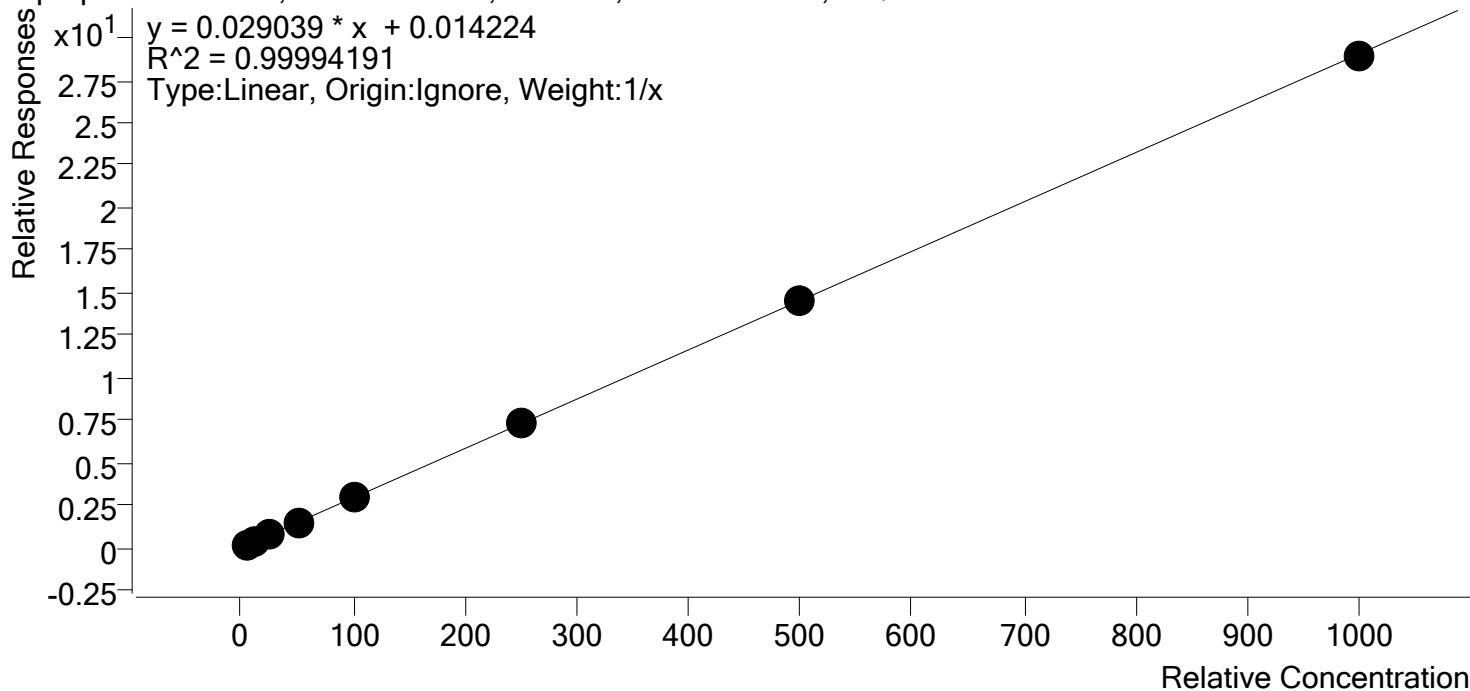
\$



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 10/24/2019 8:50 AM
Analyst Name ISP\datastor
Analyte Bupropion **Internal Standard** Bupropion-D9

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

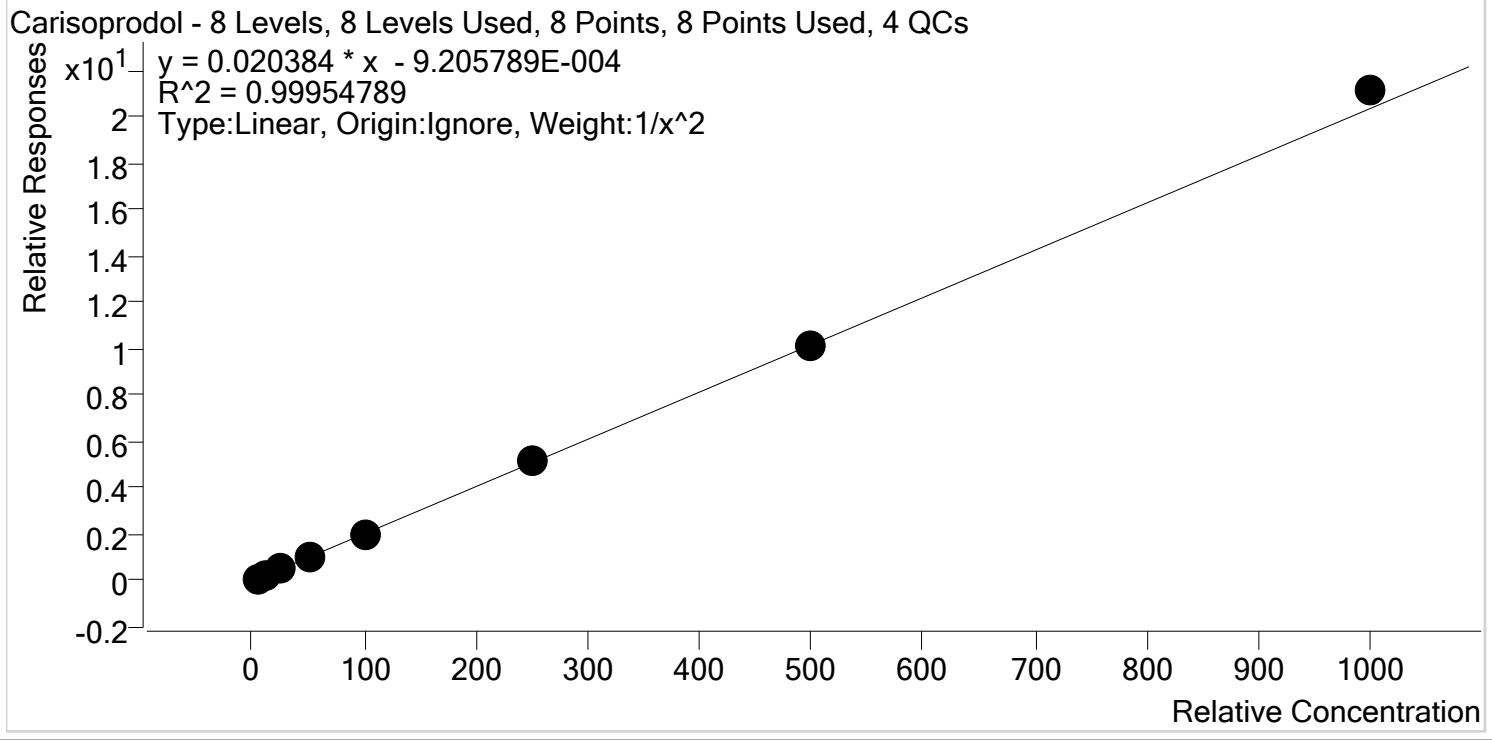


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.7
p1 Cal 2- 10ng	2	✓	10.0	9.9	98.9
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.1
p1 Cal 4-50ng	4	✓	50.0	51.4	102.8
p1 Cal 5-100ng	5	✓	100.0	99.8	99.8
p1 Cal 6-250ng	6	✓	250.0	252.4	101.0
p1 Cal 7-500ng	7	✓	500.0	501.9	100.4
p1 Cal 8-1000ng	8	✓	1000.0	994.7	99.5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 10/24/2019 8:50 AM
Analyst Name ISP\datastor
Analyte Carisoprodol **Internal Standard** Carisoprodol-D7

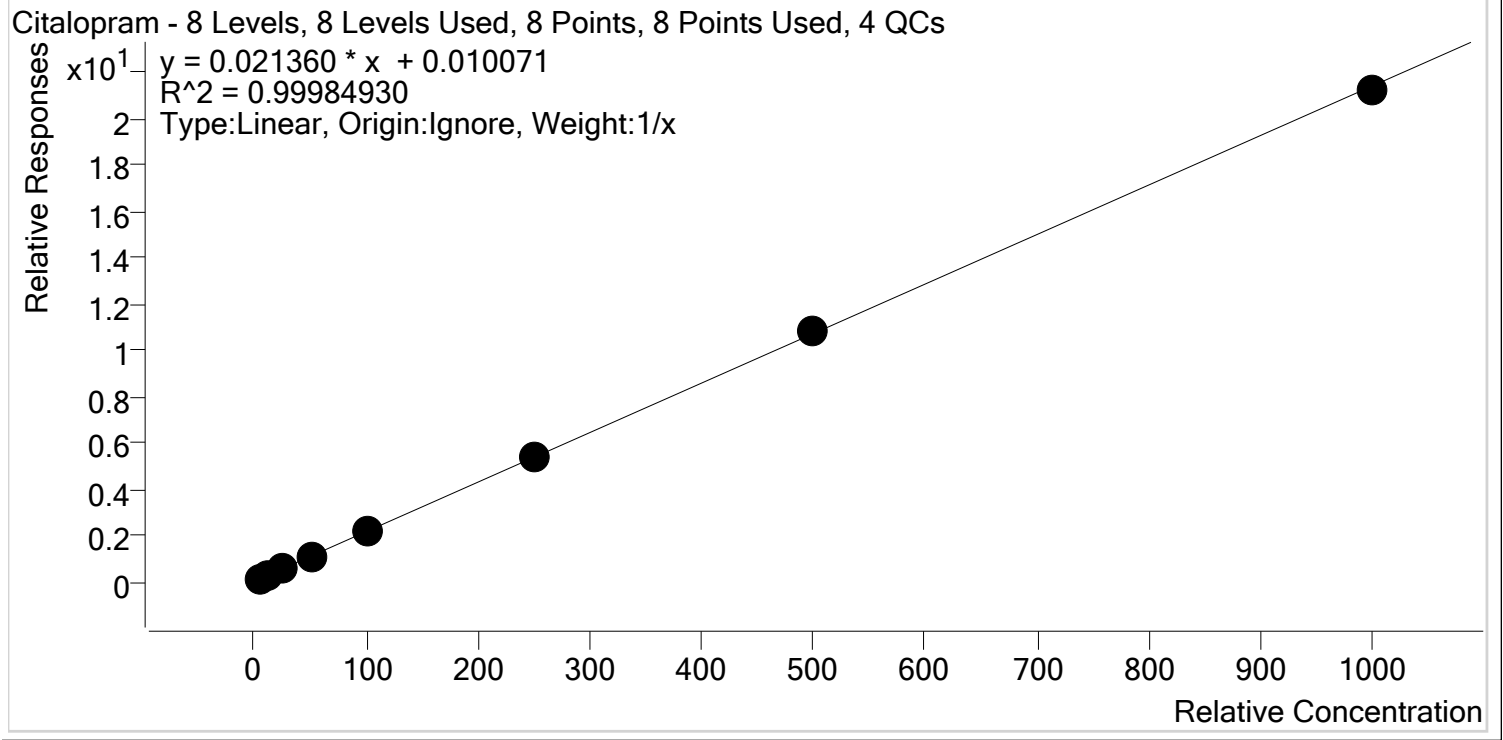


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.9
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.0
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.7
p1 Cal 4-50ng	4	✓	50.0	49.7	99.5
p1 Cal 5-100ng	5	✓	100.0	97.8	97.8
p1 Cal 6-250ng	6	✓	250.0	251.9	100.7
p1 Cal 7-500ng	7	✓	500.0	498.0	99.6
p1 Cal 8-1000ng	8	✓	1000.0	1038.0	103.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 10/24/2019 8:50 AM
Analyst Name ISP\datastor
Analyte Citalopram **Internal Standard** Citalopram-D6



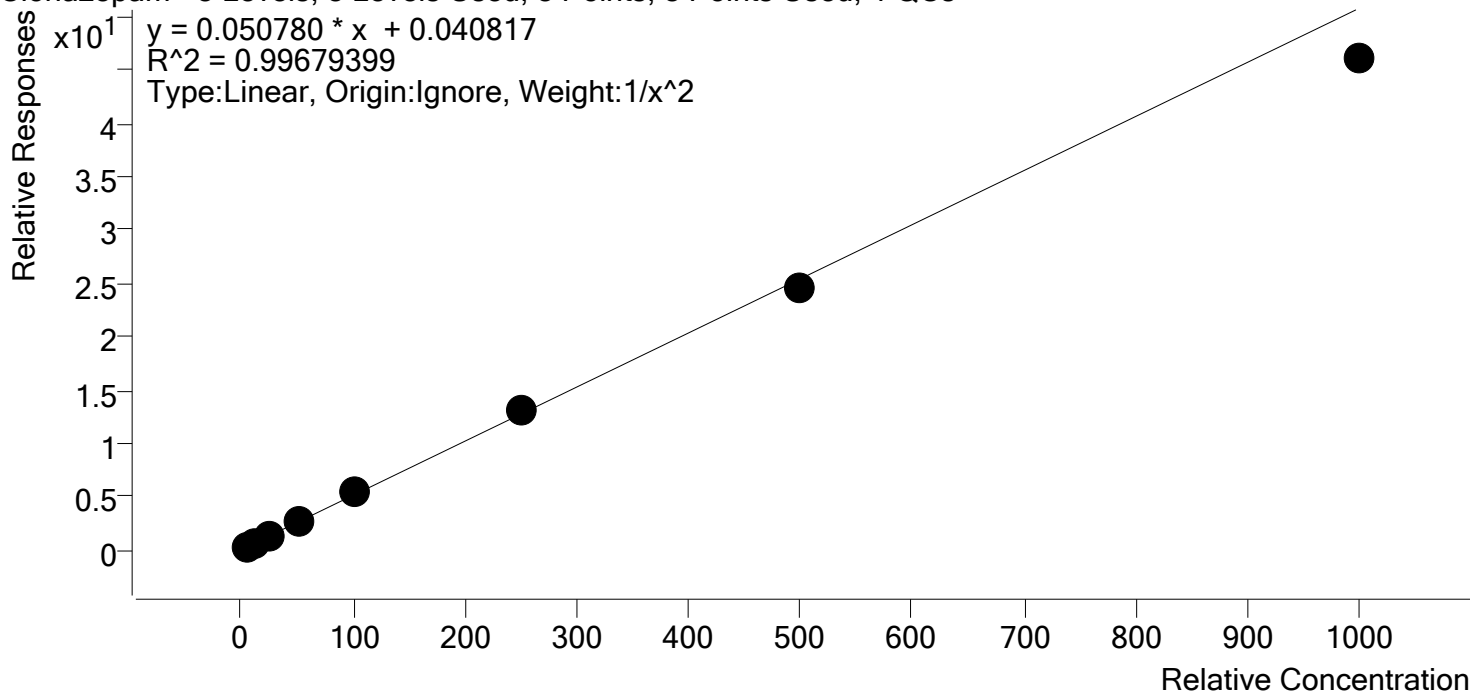
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.3
p1 Cal 2- 10ng	2	✓	10.0	9.9	98.9
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.6
p1 Cal 4-50ng	4	✓	50.0	51.2	102.4
p1 Cal 5-100ng	5	✓	100.0	100.2	100.2
p1 Cal 6-250ng	6	✓	250.0	249.4	99.8
p1 Cal 7-500ng	7	✓	500.0	508.6	101.7
p1 Cal 8-1000ng	8	✓	1000.0	990.8	99.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 10/24/2019 8:50 AM
Analyst Name ISP\datastor
Analyte Clonazepam **Internal Standard** Clonazepam-D4

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

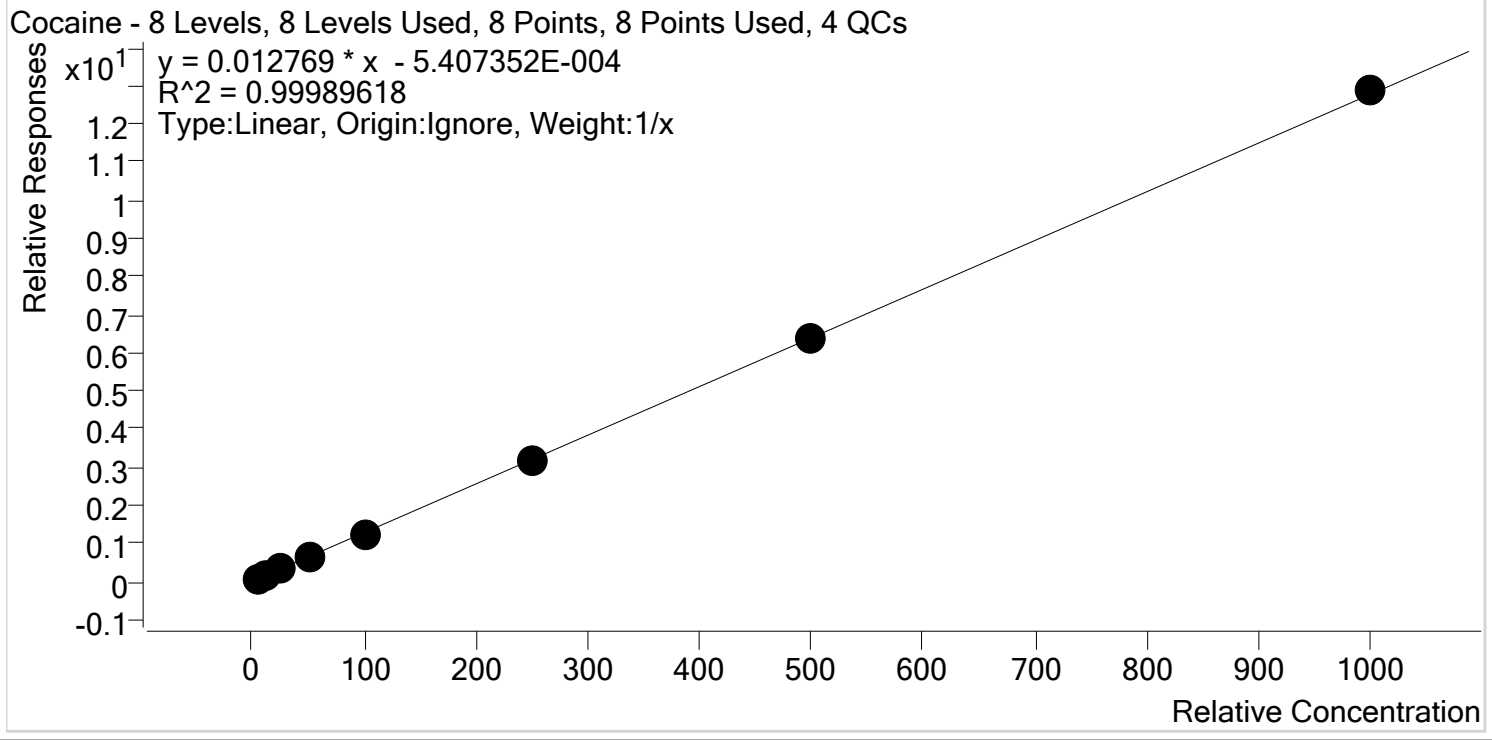


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.0
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.3
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.8
p1 Cal 4-50ng	4	✓	50.0	50.4	100.7
p1 Cal 5-100ng	5	✓	100.0	106.4	106.4
p1 Cal 6-250ng	6	✓	250.0	256.1	102.4
p1 Cal 7-500ng	7	✓	500.0	483.1	96.6
p1 Cal 8-1000ng	8	✓	1000.0	907.0	90.7



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 10/24/2019 8:50 AM
Analyst Name ISP\datastor
Analyte Cocaine **Internal Standard** Cocaine-d3



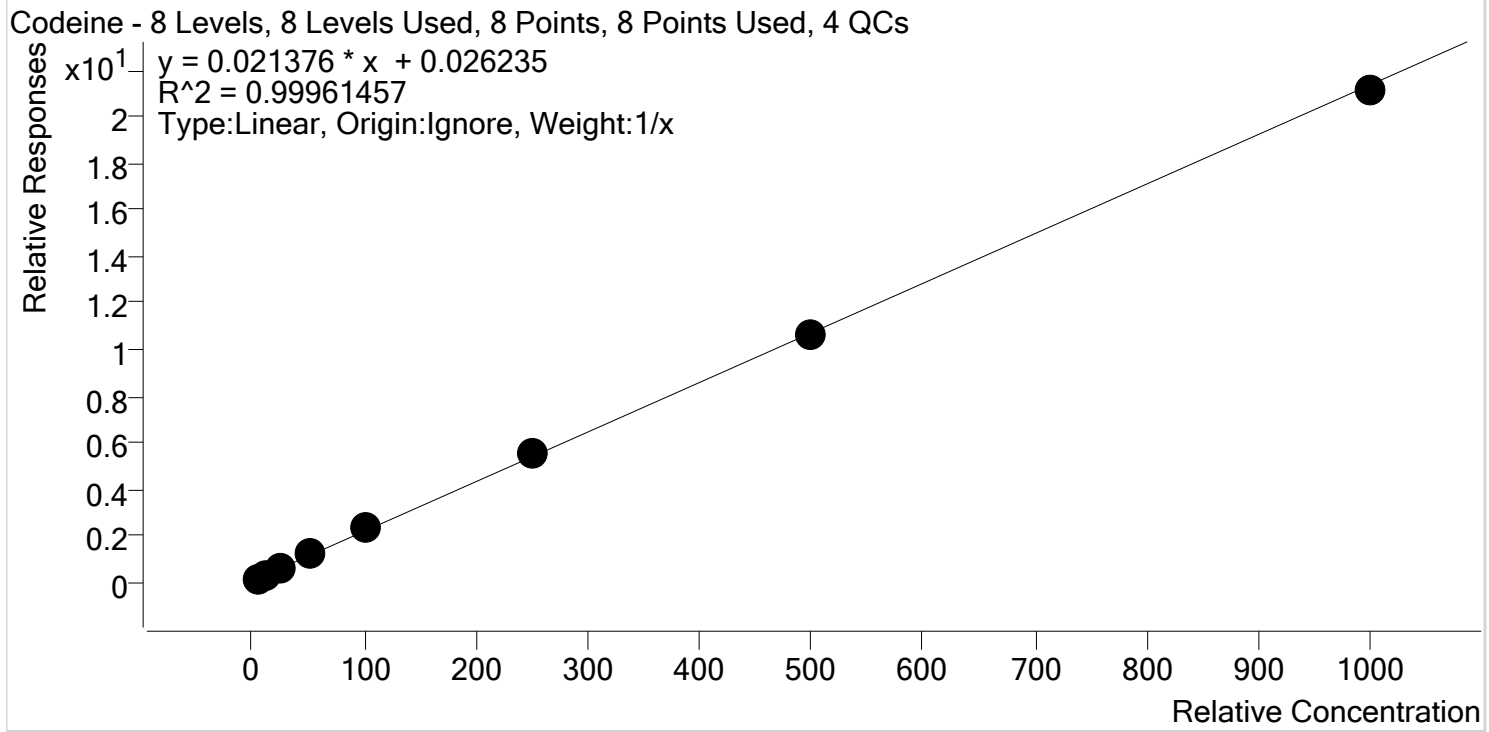
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	105.6
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.0
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.6
p1 Cal 4-50ng	4	✓	50.0	49.8	99.7
p1 Cal 5-100ng	5	✓	100.0	97.6	97.6
p1 Cal 6-250ng	6	✓	250.0	248.4	99.4
p1 Cal 7-500ng	7	✓	500.0	496.5	99.3
p1 Cal 8-1000ng	8	✓	1000.0	1007.9	100.8

5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 10/24/2019 8:50 AM
Analyst Name ISP\datastor
Analyte Codeine **Internal Standard** Codeine-D6



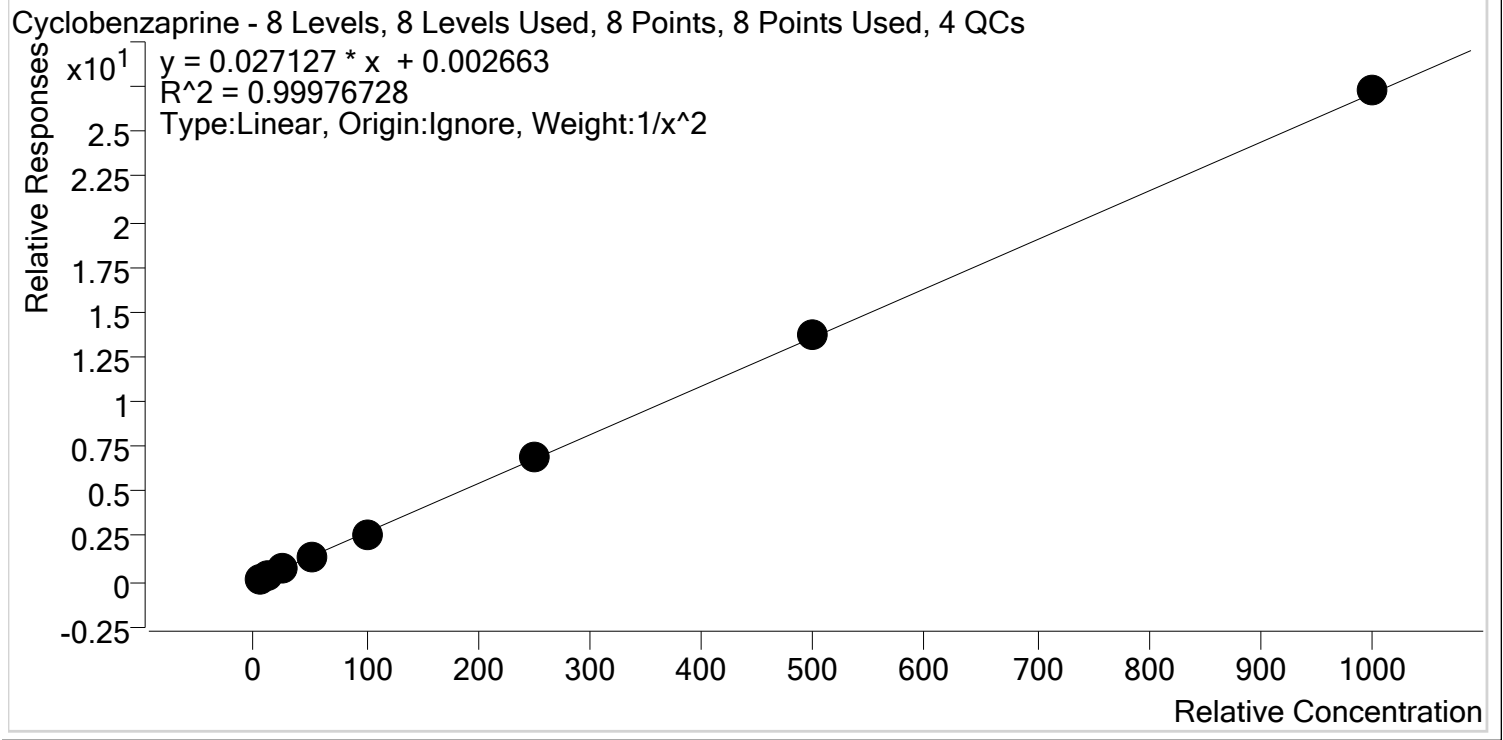
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.3	86.9
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.5
p1 Cal 3 -25ng	3	✓	25.0	25.7	102.8
p1 Cal 4-50ng	4	✓	50.0	52.9	105.8
p1 Cal 5-100ng	5	✓	100.0	104.3	104.3
p1 Cal 6-250ng	6	✓	250.0	254.8	101.9
p1 Cal 7-500ng	7	✓	500.0	499.6	99.9
p1 Cal 8-1000ng	8	✓	1000.0	988.5	98.8

8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 10/24/2019 8:50 AM
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	99.9
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.5
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.5
p1 Cal 4-50ng	4	✓	50.0	50.1	100.3
p1 Cal 5-100ng	5	✓	100.0	97.0	97.0
p1 Cal 6-250ng	6	✓	250.0	251.5	100.6
p1 Cal 7-500ng	7	✓	500.0	507.3	101.5
p1 Cal 8-1000ng	8	✓	1000.0	1006.2	100.6

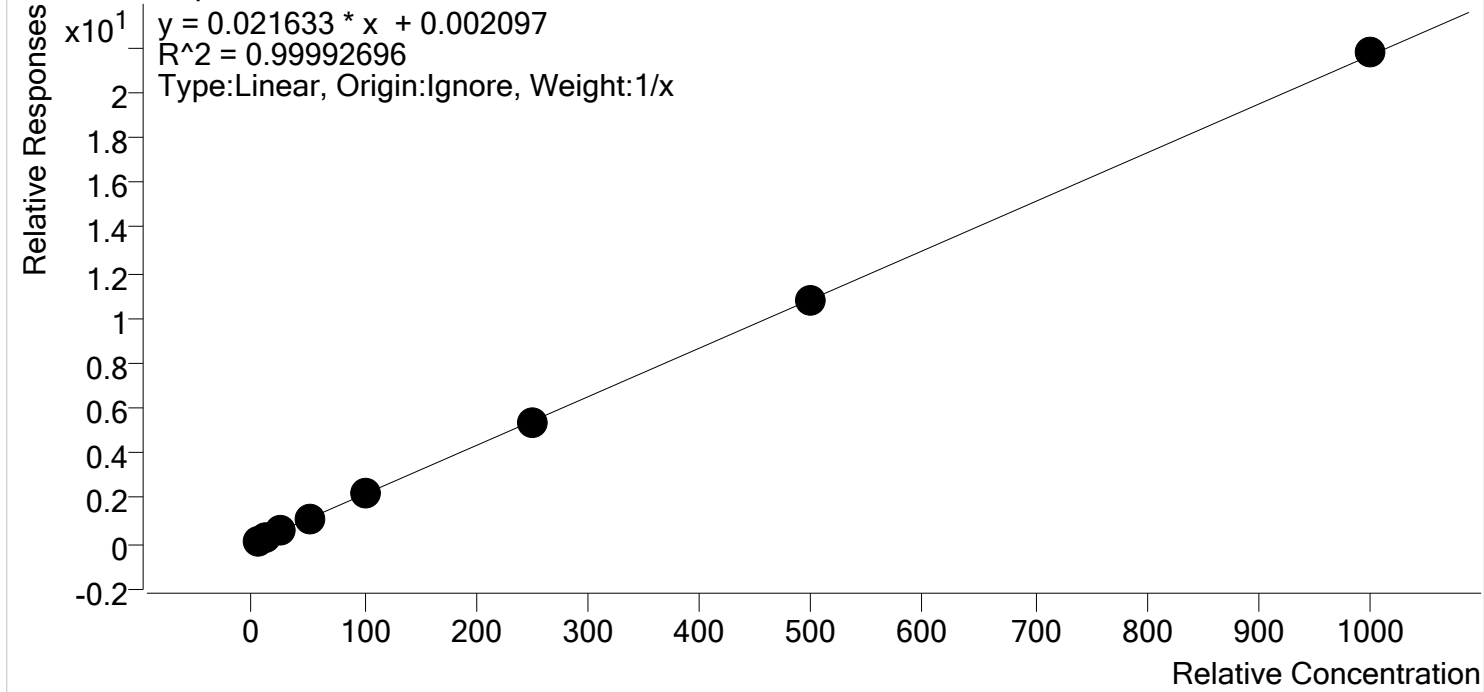
\$



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 10/24/2019 8:50 AM
Analyst Name ISP\datastor
Analyte Dextromethorphan **Internal Standard** Dextromethorphan-D3

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



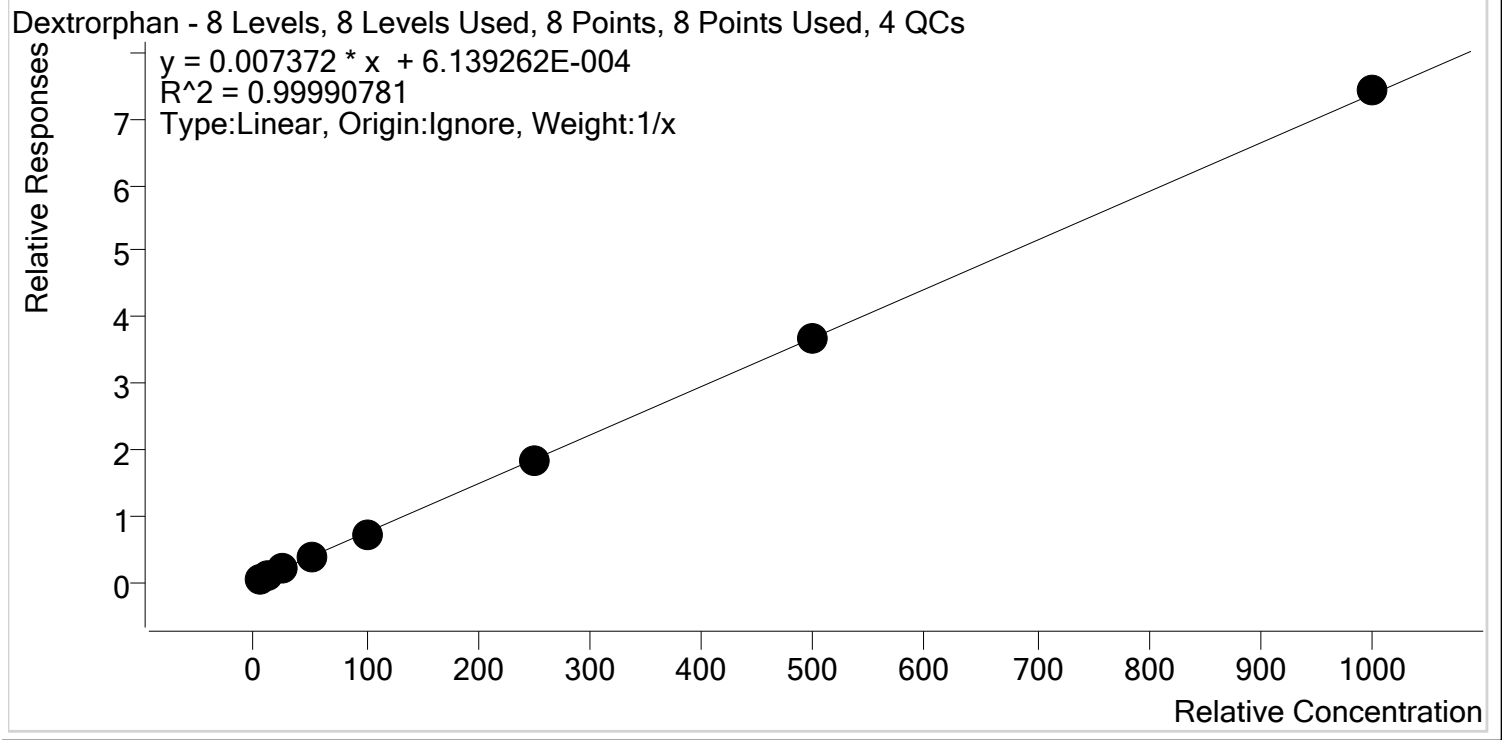
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.1
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.2
p1 Cal 4-50ng	4	✓	50.0	50.9	101.8
p1 Cal 5-100ng	5	✓	100.0	99.5	99.5
p1 Cal 6-250ng	6	✓	250.0	246.0	98.4
p1 Cal 7-500ng	7	✓	500.0	497.7	99.5
p1 Cal 8-1000ng	8	✓	1000.0	1005.9	100.6

\$



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 10/24/2019 8:50 AM
Analyst Name ISP\datastor
Analyte Dextrorphan **Internal Standard** Dextrorphan-D3

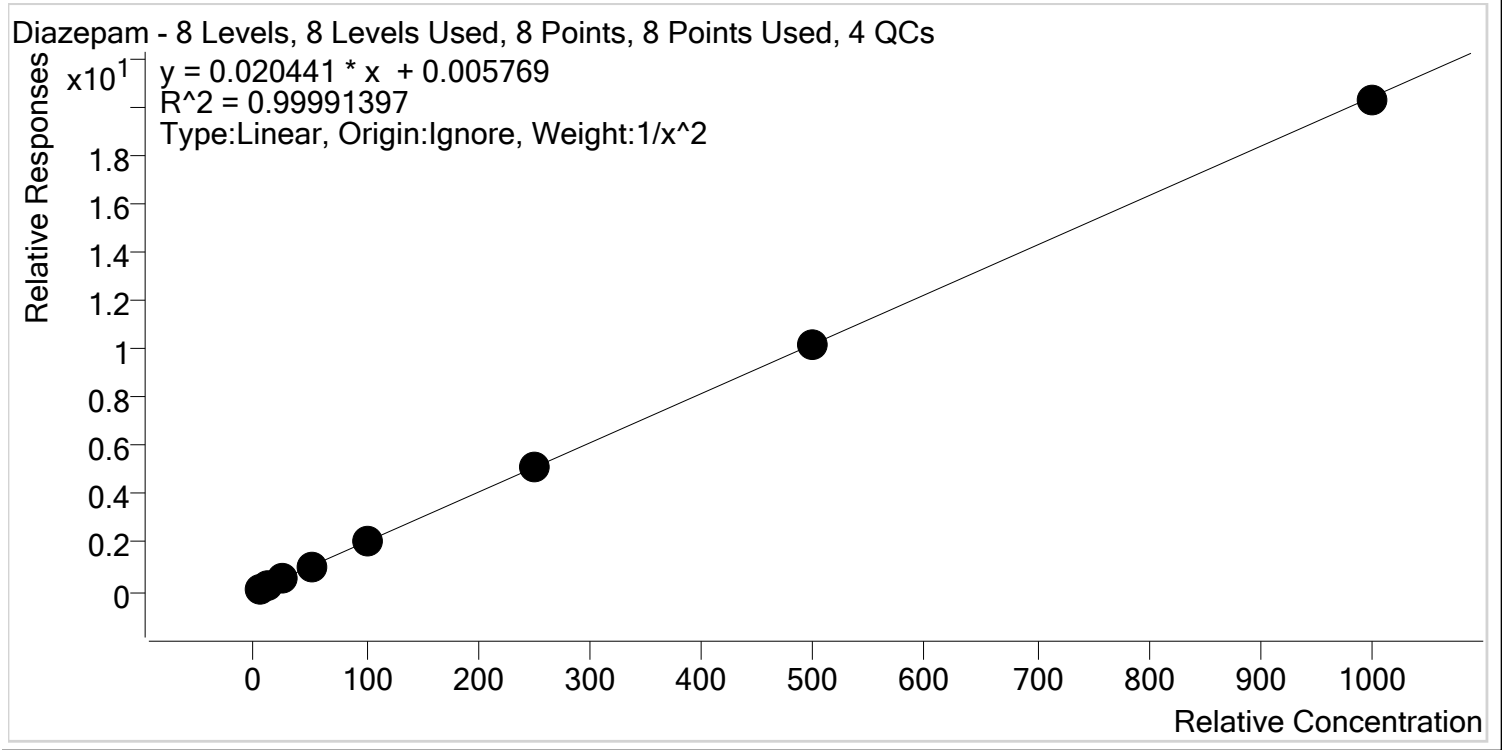


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.7
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.9
p1 Cal 4-50ng	4	✓	50.0	50.1	100.1
p1 Cal 5-100ng	5	✓	100.0	97.7	97.7
p1 Cal 6-250ng	6	✓	250.0	249.0	99.6
p1 Cal 7-500ng	7	✓	500.0	495.7	99.1
p1 Cal 8-1000ng	8	✓	1000.0	1007.7	100.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 10/24/2019 8:50 AM
Analyst Name ISP\datastor
Analyte Diazepam **Internal Standard** Diazepam-D5



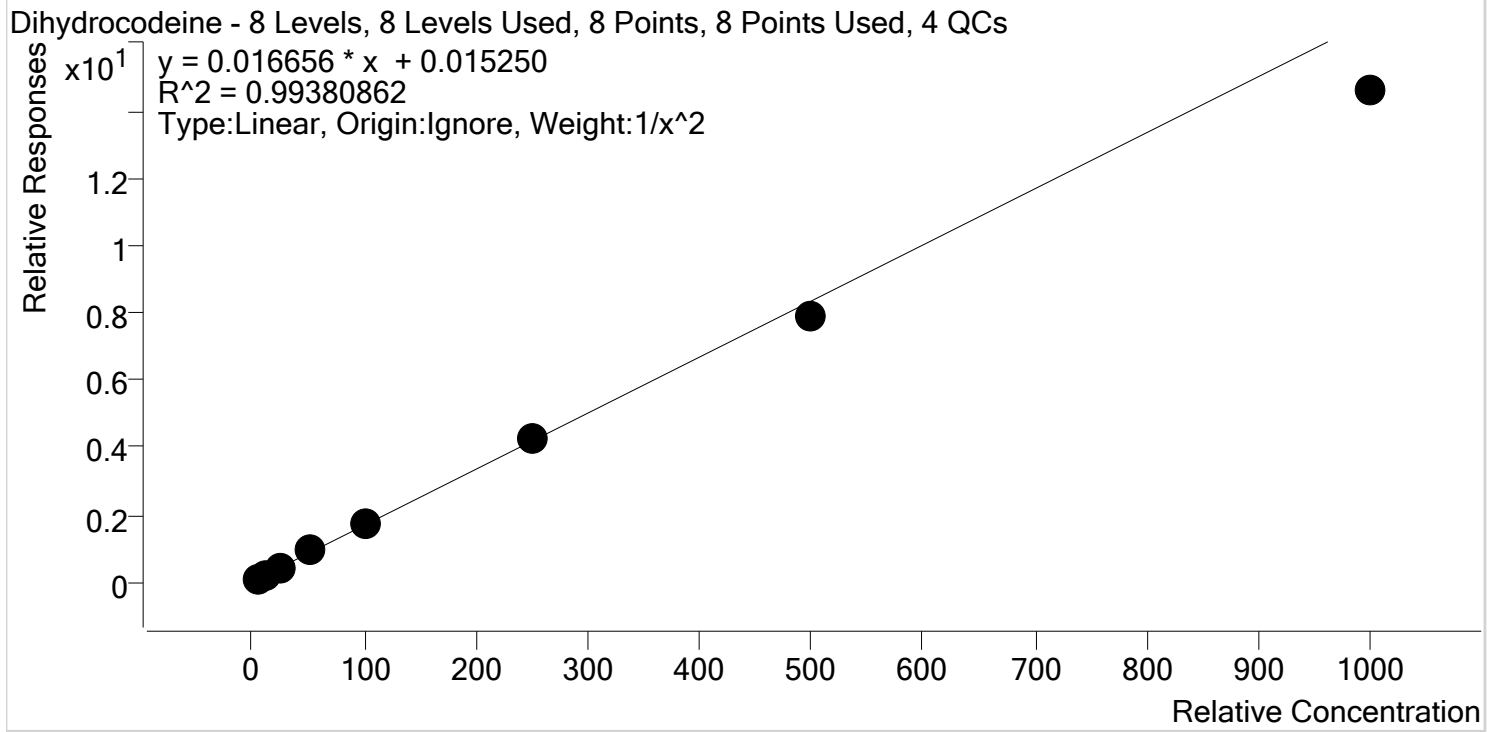
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.3
p1 Cal 2- 10ng	2	✓	10.0	9.9	98.9
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.4
p1 Cal 4-50ng	4	✓	50.0	50.8	101.5
p1 Cal 5-100ng	5	✓	100.0	99.6	99.6
p1 Cal 6-250ng	6	✓	250.0	250.4	100.2
p1 Cal 7-500ng	7	✓	500.0	499.0	99.8
p1 Cal 8-1000ng	8	✓	1000.0	992.7	99.3

5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 10/24/2019 8:50 AM
Analyst Name ISP\datastor
Analyte Dihydrocodeine **Internal Standard** Dihydrocodeine-D6



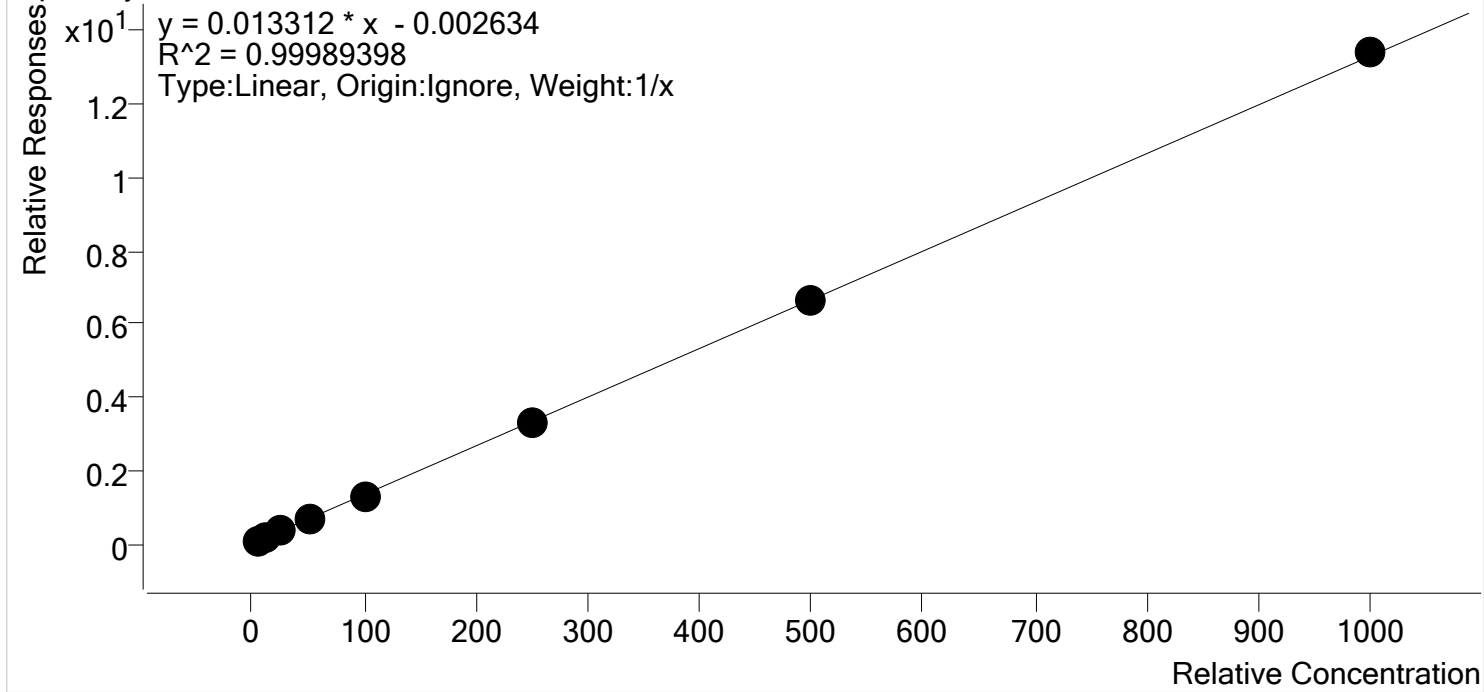
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.9
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.2
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.8
p1 Cal 4-50ng	4	✓	50.0	54.6	109.2
p1 Cal 5-100ng	5	✓	100.0	103.6	103.6
p1 Cal 6-250ng	6	✓	250.0	254.0	101.6
p1 Cal 7-500ng	7	✓	500.0	470.6	94.1
p1 Cal 8-1000ng	8	✓	1000.0	875.1	87.5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 10/24/2019 8:50 AM
Analyst Name ISP\datastor
Analyte Diphenhydramine **Internal Standard** Diphenhydramine-D3

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



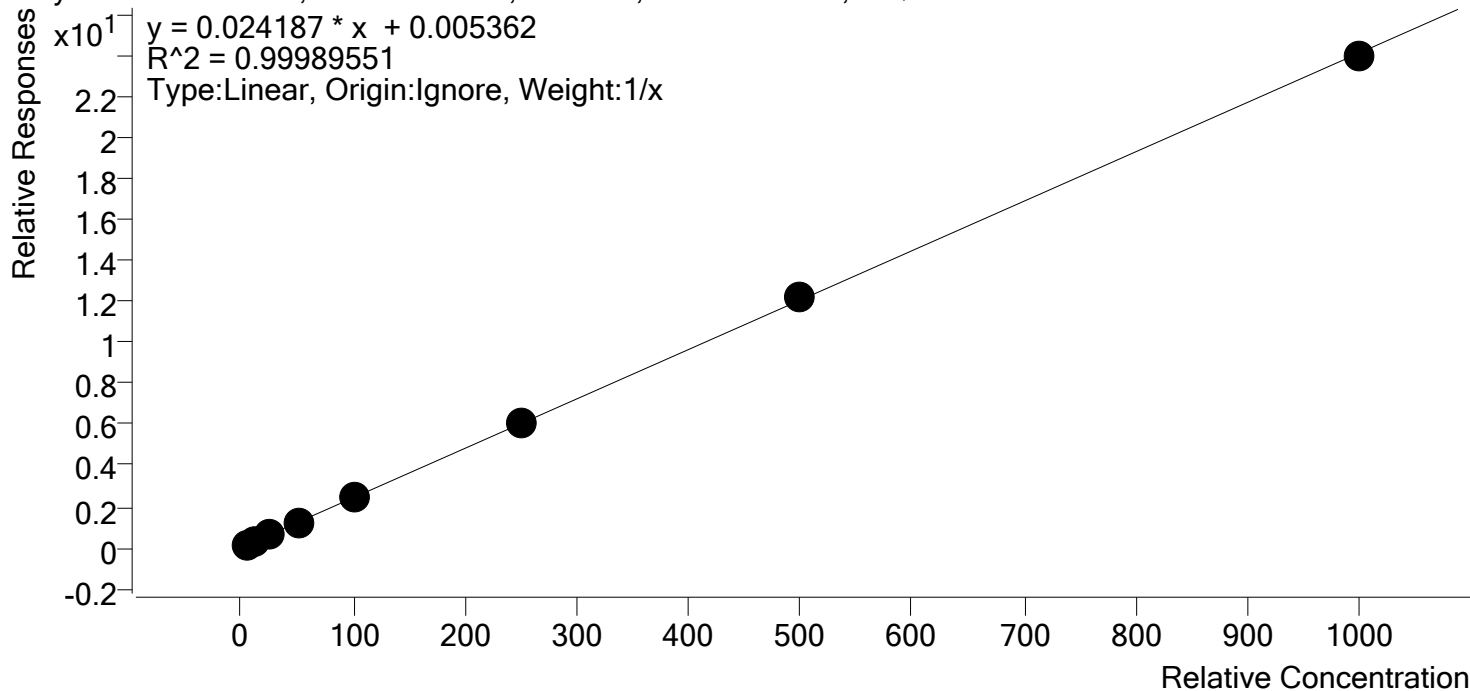
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	105.8
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.4
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.2
p1 Cal 4-50ng	4	✓	50.0	49.4	98.9
p1 Cal 5-100ng	5	✓	100.0	97.3	97.3
p1 Cal 6-250ng	6	✓	250.0	247.8	99.1
p1 Cal 7-500ng	7	✓	500.0	498.0	99.6
p1 Cal 8-1000ng	8	✓	1000.0	1007.5	100.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 10/24/2019 8:50 AM
Analyst Name ISP\datastor
Analyte Doxylamine **Internal Standard** Doxylamine-D5

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

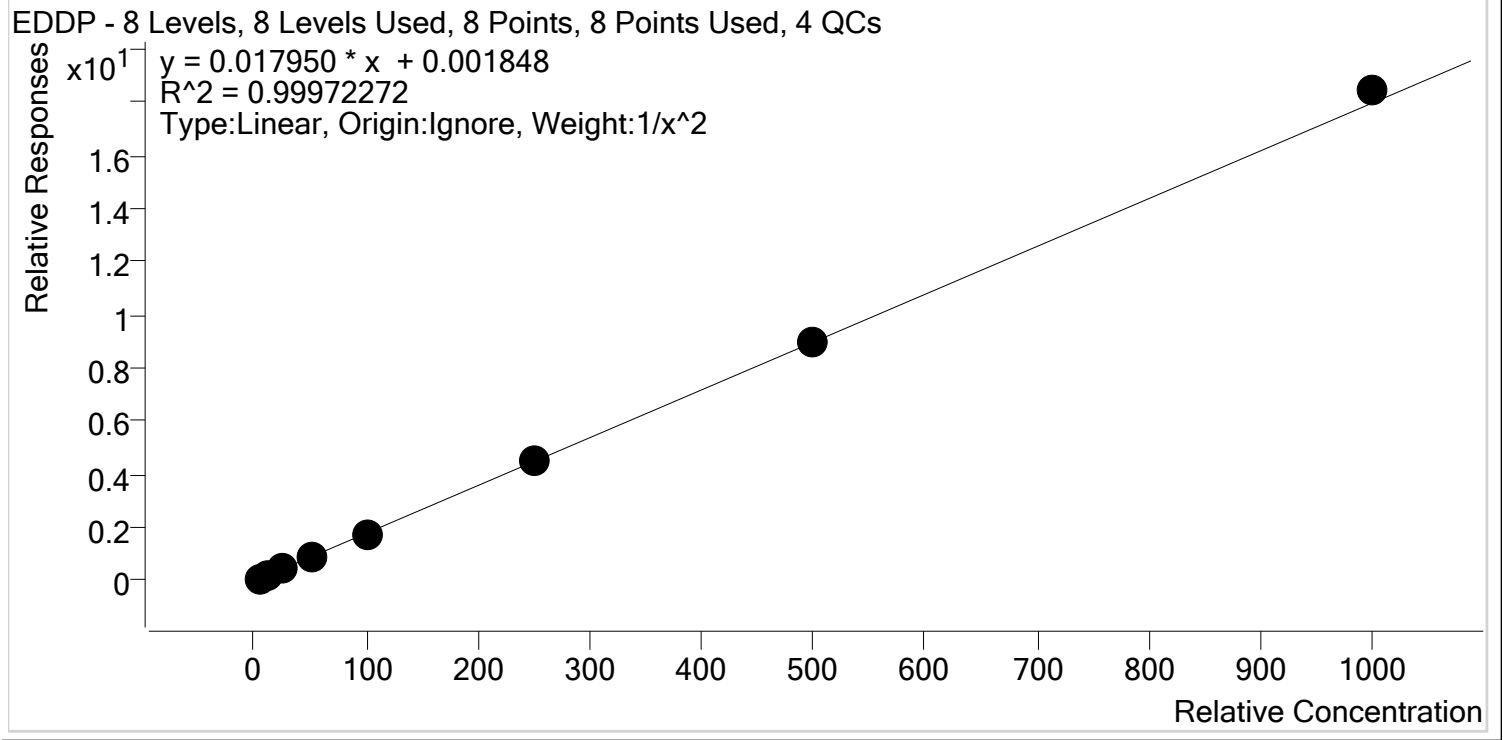


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.7
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.7
p1 Cal 4-50ng	4	✓	50.0	50.3	100.6
p1 Cal 5-100ng	5	✓	100.0	98.6	98.6
p1 Cal 6-250ng	6	✓	250.0	253.9	101.6
p1 Cal 7-500ng	7	✓	500.0	504.7	100.9
p1 Cal 8-1000ng	8	✓	1000.0	992.8	99.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 10/24/2019 8:50 AM
Analyst Name ISP\datastor
Analyte EDDP **Internal Standard** EDDP-D3

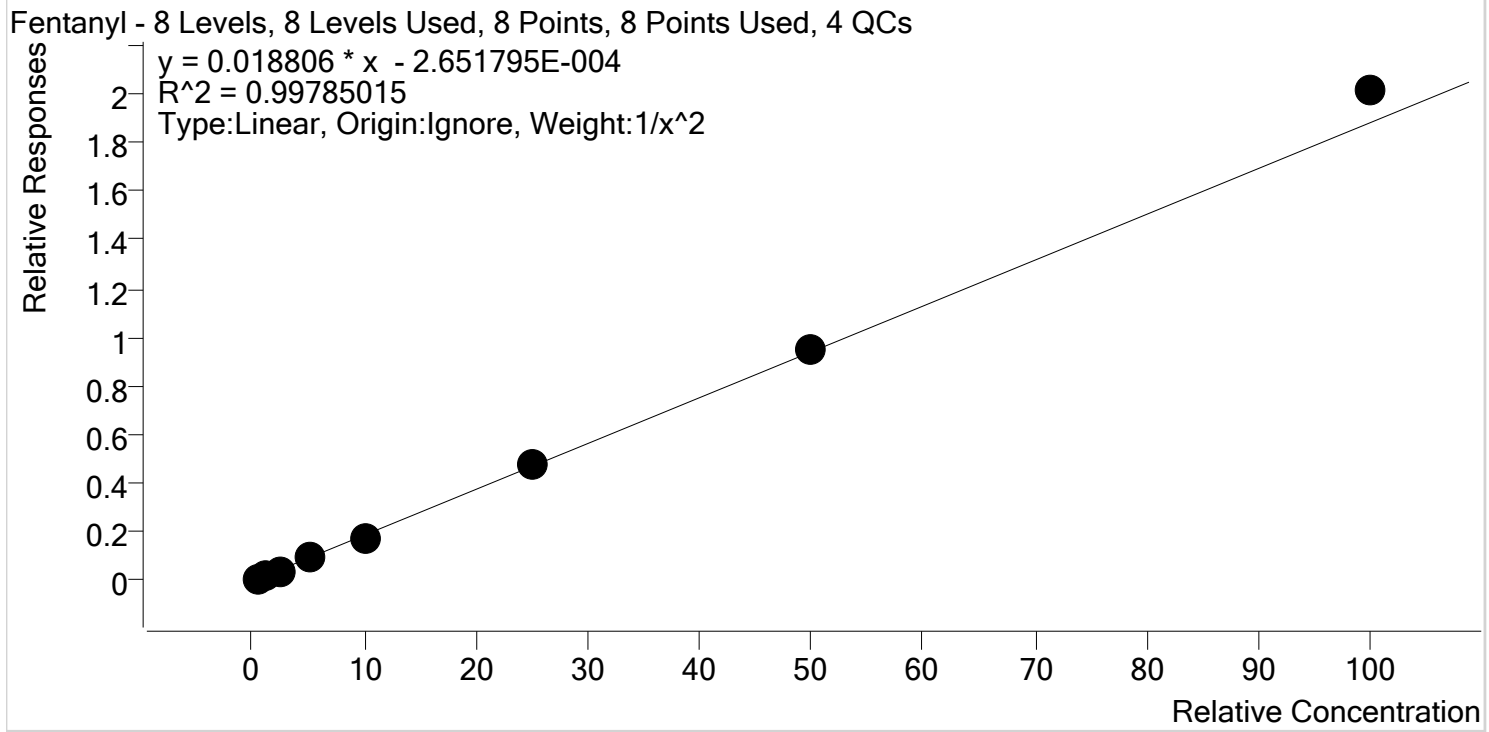


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.7
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.0
p1 Cal 3 -25ng	3	✓	25.0	24.7	99.0
p1 Cal 4-50ng	4	✓	50.0	50.5	100.9
p1 Cal 5-100ng	5	✓	100.0	97.9	97.9
p1 Cal 6-250ng	6	✓	250.0	250.6	100.2
p1 Cal 7-500ng	7	✓	500.0	497.8	99.6
p1 Cal 8-1000ng	8	✓	1000.0	1026.2	102.6



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 10/24/2019 8:50 AM
Analyst Name ISP\datastor
Analyte Fentanyl **Internal Standard** Fentanyl-D5

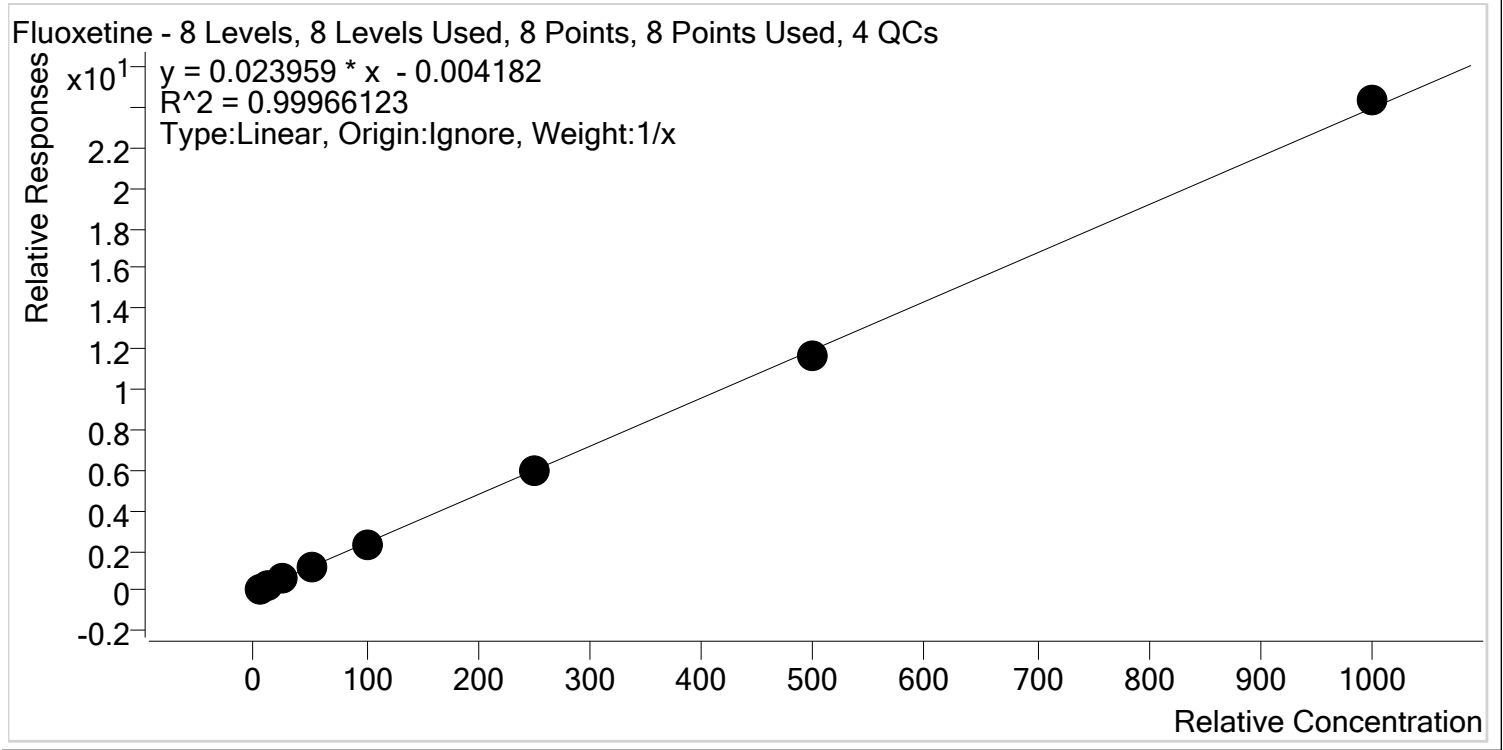


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	101.7
p1 Cal 2- 10ng	2	✓	1.0	1.0	98.8
p1 Cal 3 -25ng	3	✓	2.5	2.4	94.7
p1 Cal 4-50ng	4	✓	5.0	5.1	101.4
p1 Cal 5-100ng	5	✓	10.0	9.5	94.7
p1 Cal 6-250ng	6	✓	25.0	25.2	100.9
p1 Cal 7-500ng	7	✓	50.0	50.4	100.8
p1 Cal 8-1000ng	8	✓	100.0	107.0	107.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 10/24/2019 8:50 AM
Analyst Name ISP\datastor
Analyte Fluoxetine **Internal Standard** Fluoxetine-D6

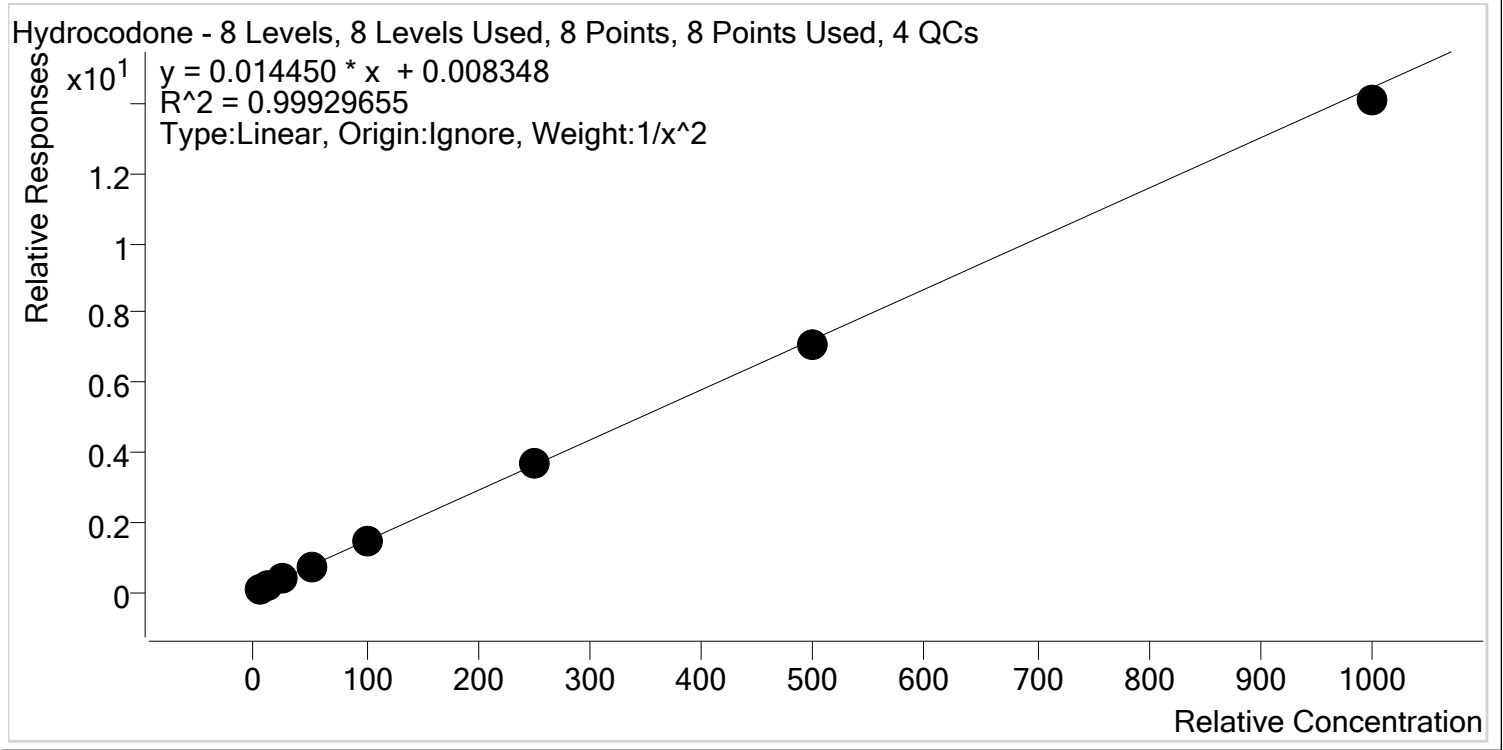


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.7
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.6
p1 Cal 4-50ng	4	✓	50.0	49.7	99.3
p1 Cal 5-100ng	5	✓	100.0	96.2	96.2
p1 Cal 6-250ng	6	✓	250.0	246.9	98.8
p1 Cal 7-500ng	7	✓	500.0	491.2	98.2
p1 Cal 8-1000ng	8	✓	1000.0	1015.6	101.6



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 10/24/2019 8:50 AM
Analyst Name ISP\datastor
Analyte Hydrocodone **Internal Standard** Hydrocodone-D6

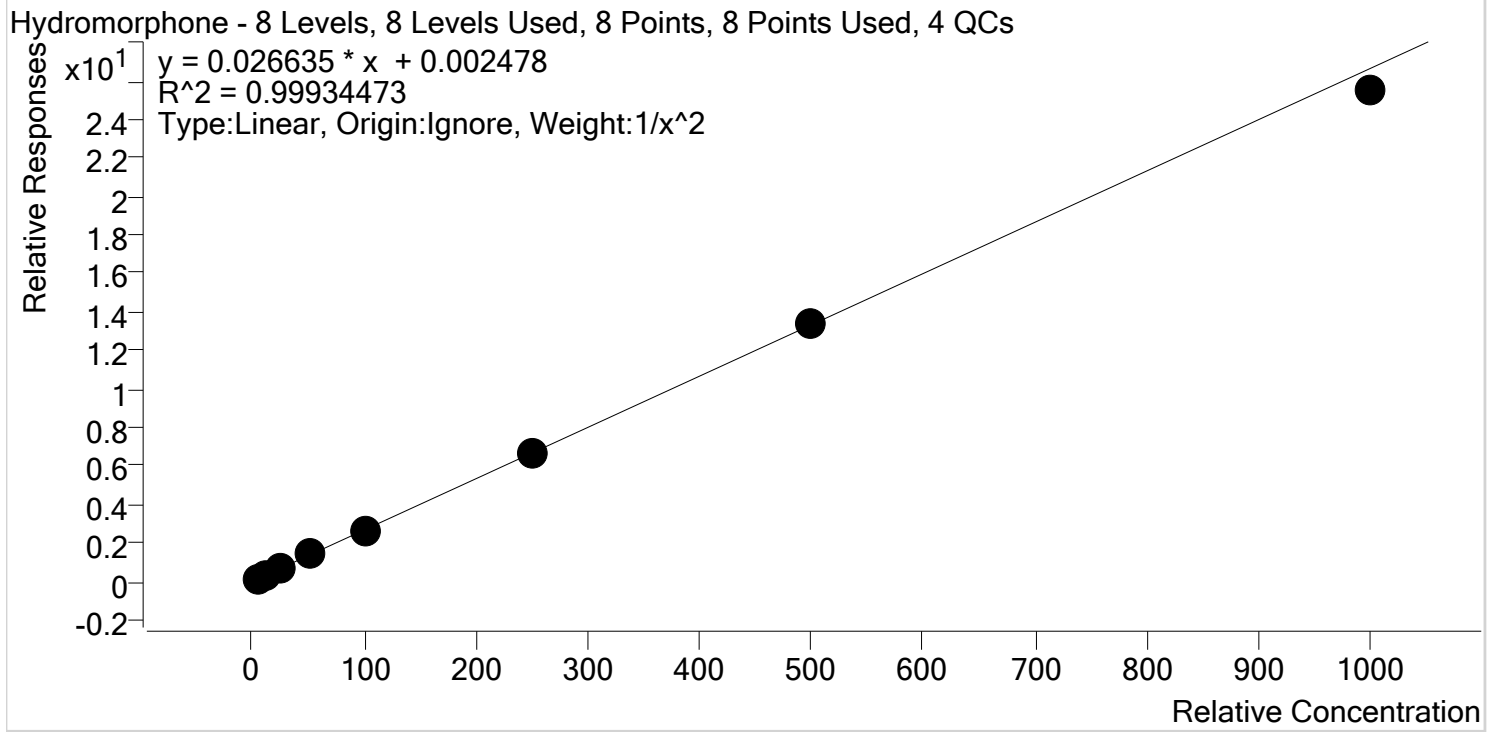


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.4
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.3
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.5
p1 Cal 4-50ng	4	✓	50.0	50.3	100.6
p1 Cal 5-100ng	5	✓	100.0	99.9	99.9
p1 Cal 6-250ng	6	✓	250.0	250.6	100.2
p1 Cal 7-500ng	7	✓	500.0	488.0	97.6
p1 Cal 8-1000ng	8	✓	1000.0	974.1	97.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 10/24/2019 8:50 AM
Analyst Name ISP\datastor
Analyte Hydromorphone **Internal Standard** Hydromorphone-D6

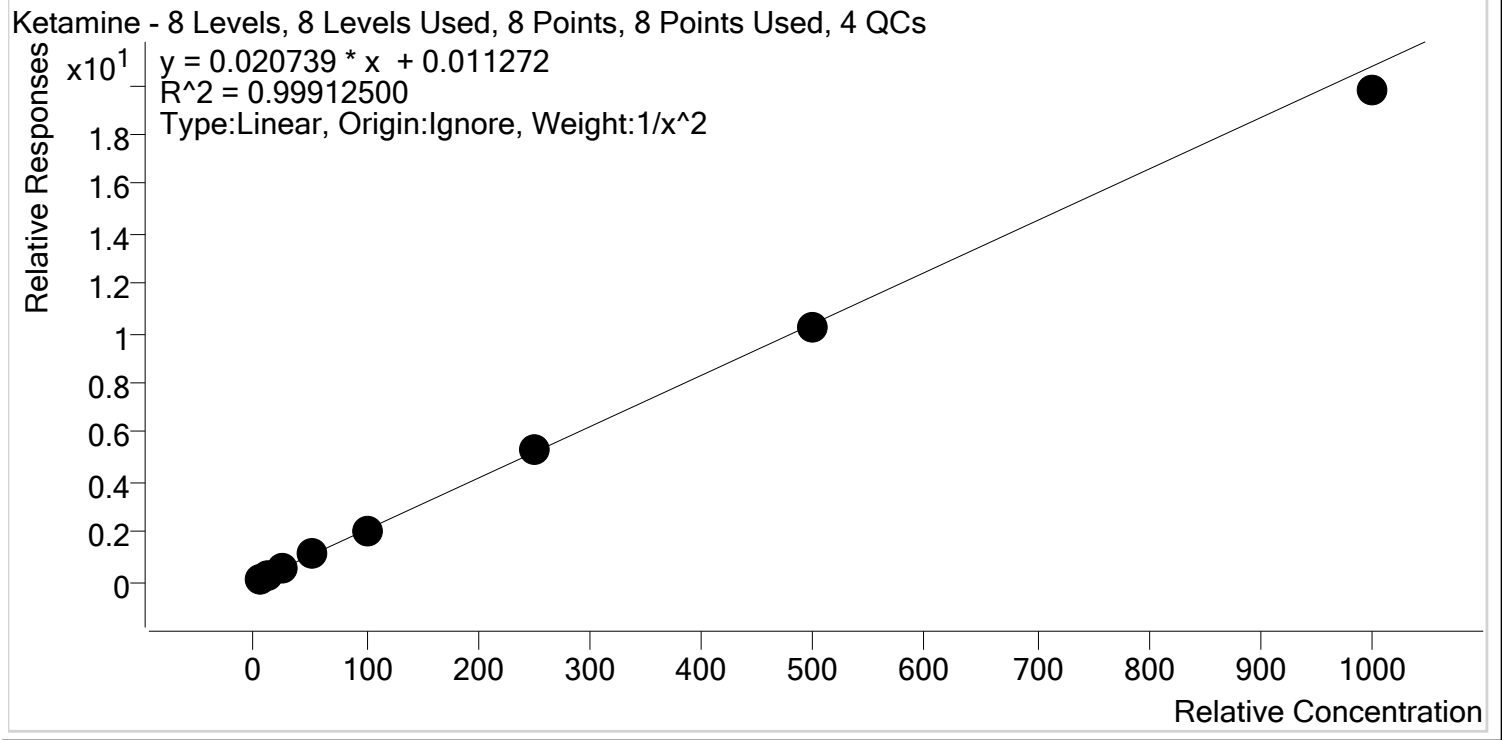


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.3
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.4
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.6
p1 Cal 4-50ng	4	✓	50.0	51.9	103.8
p1 Cal 5-100ng	5	✓	100.0	99.3	99.3
p1 Cal 6-250ng	6	✓	250.0	250.8	100.3
p1 Cal 7-500ng	7	✓	500.0	502.7	100.5
p1 Cal 8-1000ng	8	✓	1000.0	956.9	95.7



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 10/24/2019 8:50 AM
Analyst Name ISP\datastor
Analyte Ketamine **Internal Standard** Ketamine-D4

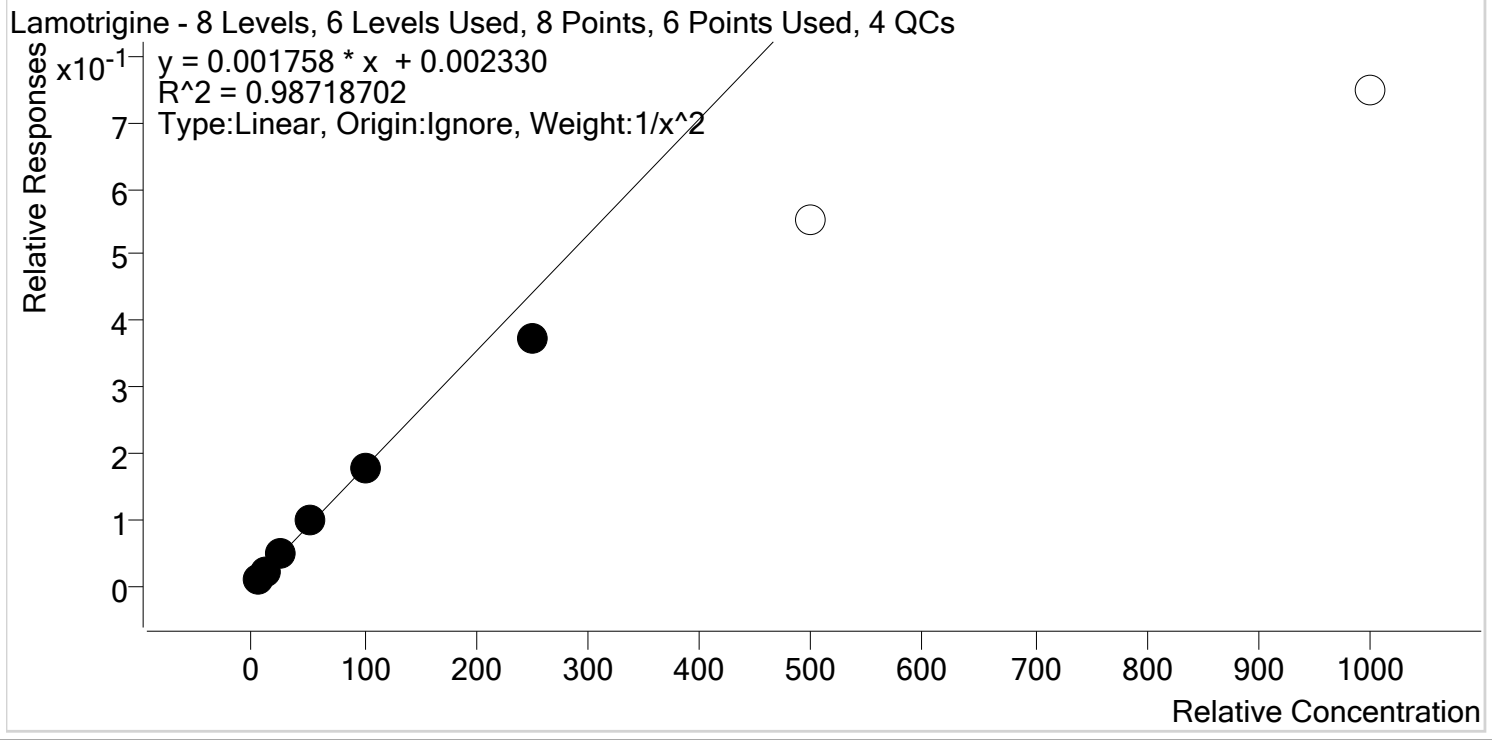


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.1
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.5
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.9
p1 Cal 4-50ng	4	✓	50.0	52.1	104.3
p1 Cal 5-100ng	5	✓	100.0	100.2	100.2
p1 Cal 6-250ng	6	✓	250.0	253.0	101.2
p1 Cal 7-500ng	7	✓	500.0	492.5	98.5
p1 Cal 8-1000ng	8	✓	1000.0	952.8	95.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 10/24/2019 8:50 AM
Analyst Name ISP\datastor
Analyte Lamotrigine **Internal Standard** Ketamine-D4



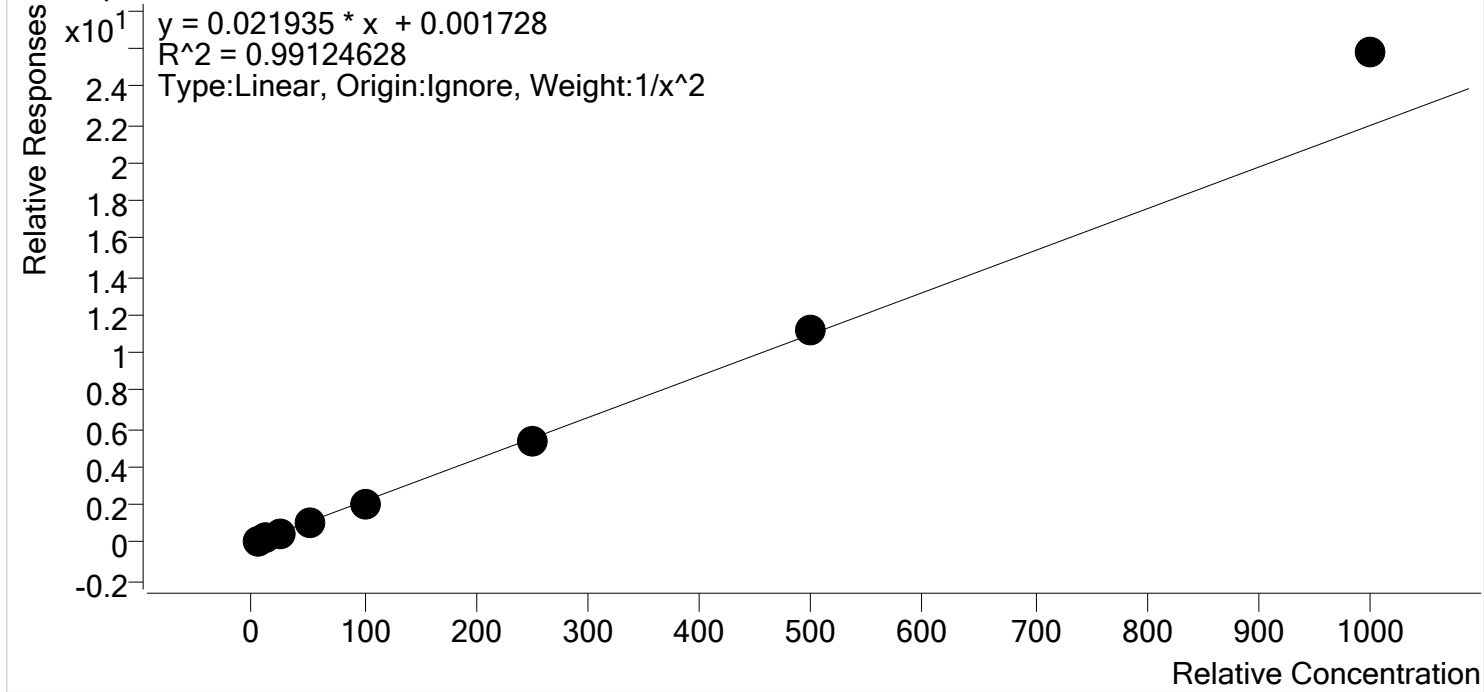
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.9
p1 Cal 2- 10ng	2	✓	10.0	10.6	106.3
p1 Cal 3 -25ng	3	✓	25.0	27.0	108.0
p1 Cal 4-50ng	4	✓	50.0	53.7	107.3
p1 Cal 5-100ng	5	✓	100.0	99.2	99.2
p1 Cal 6-250ng	6	✓	250.0	210.8	84.3
p1 Cal 7-500ng	7	x	500.0	312.6	62.5
p1 Cal 8-1000ng	8	x	1000.0	424.1	42.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 10/24/2019 8:50 AM
Analyst Name ISP\datastor
Analyte Lorazepam **Internal Standard** Clonazepam-D4

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

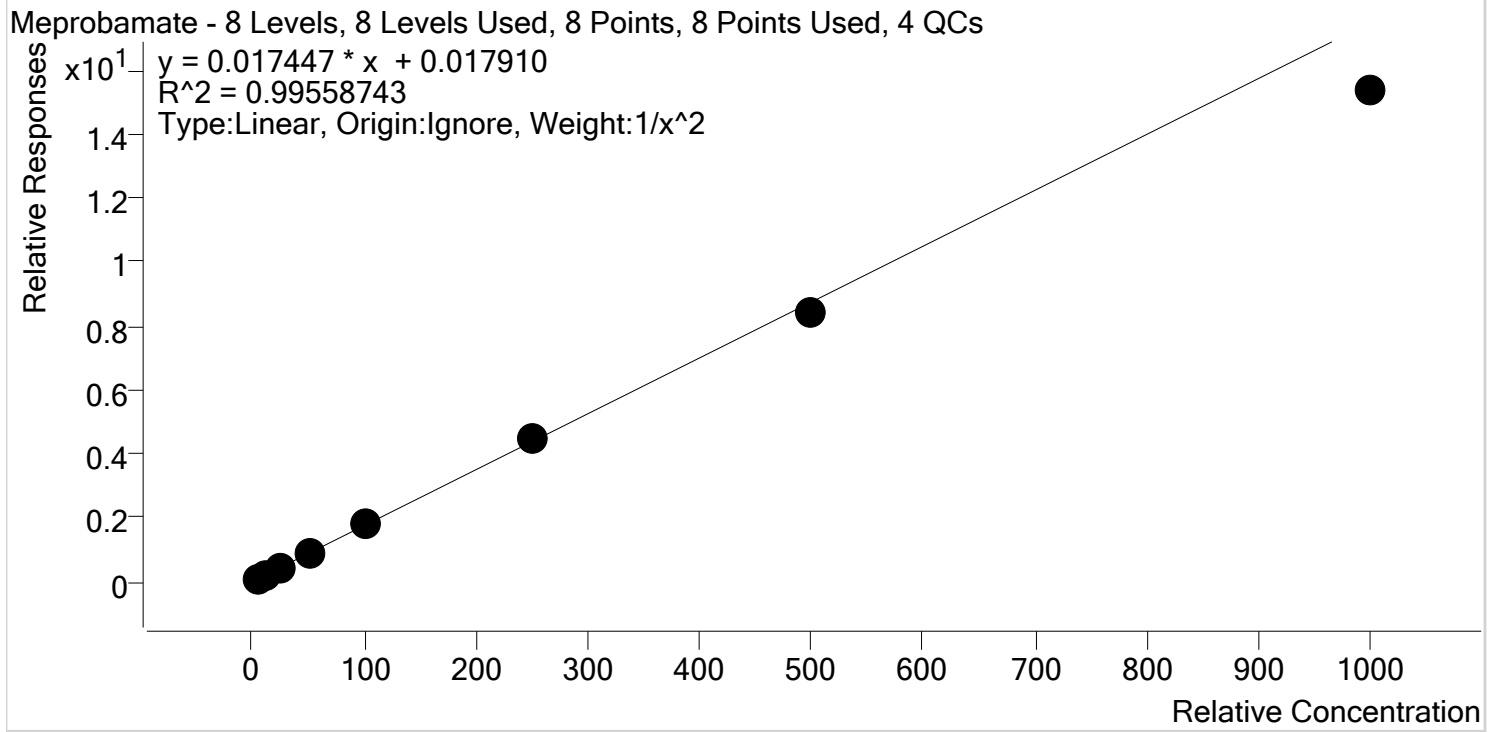


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.6
p1 Cal 2- 10ng	2	✓	10.0	9.7	97.5
p1 Cal 3 -25ng	3	✓	25.0	24.5	97.8
p1 Cal 4-50ng	4	✓	50.0	47.5	95.1
p1 Cal 5-100ng	5	✓	100.0	89.8	89.8
p1 Cal 6-250ng	6	✓	250.0	242.7	97.1
p1 Cal 7-500ng	7	✓	500.0	513.0	102.6
p1 Cal 8-1000ng	8	✓	1000.0	1174.6	117.5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 10/24/2019 8:50 AM
Analyst Name ISP\datastor
Analyte Meprobamate **Internal Standard** Meprobamate-D7

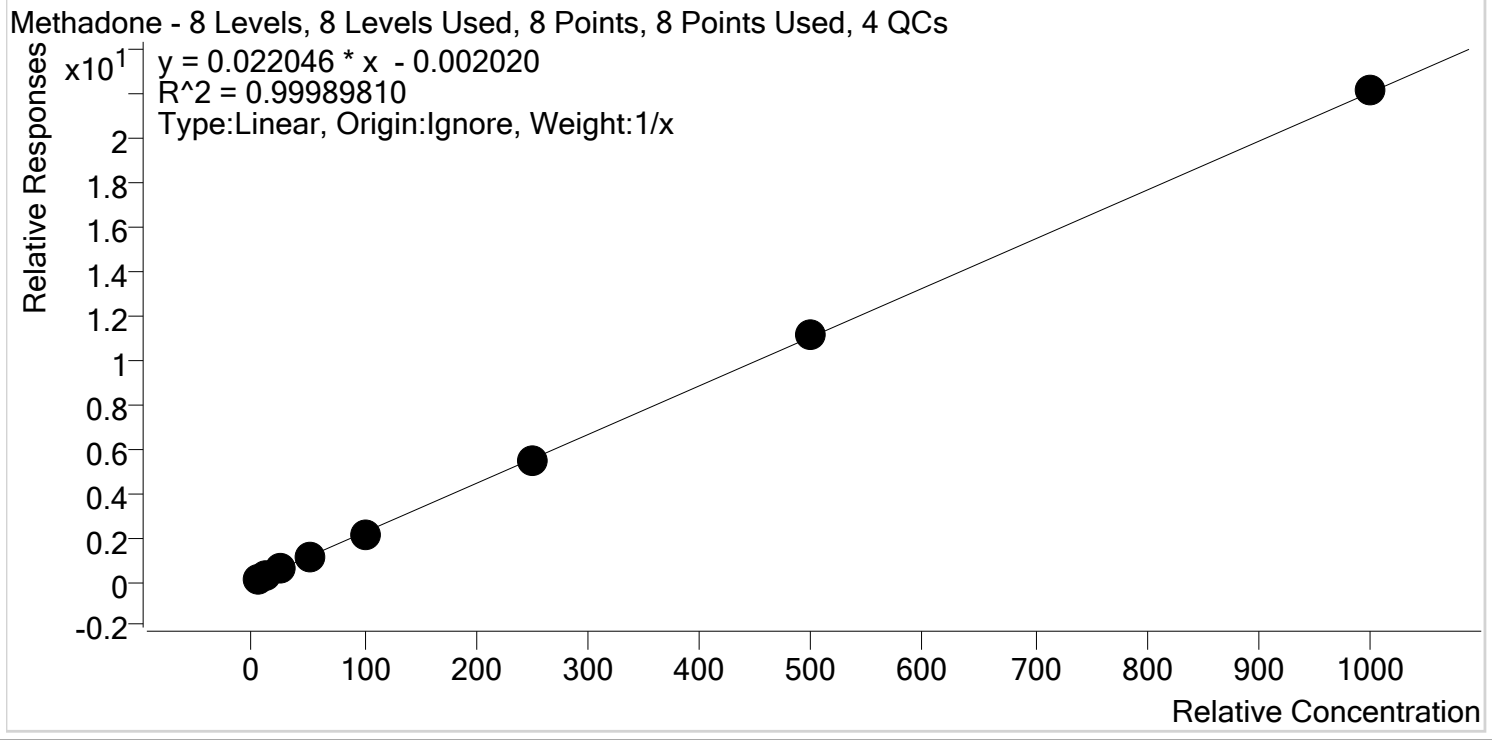


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.2
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.8
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.6
p1 Cal 4-50ng	4	✓	50.0	52.8	105.7
p1 Cal 5-100ng	5	✓	100.0	104.0	104.0
p1 Cal 6-250ng	6	✓	250.0	258.1	103.3
p1 Cal 7-500ng	7	✓	500.0	483.7	96.7
p1 Cal 8-1000ng	8	✓	1000.0	878.5	87.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 10/24/2019 8:50 AM
Analyst Name ISP\datastor
Analyte Methadone **Internal Standard** Methadone-D9



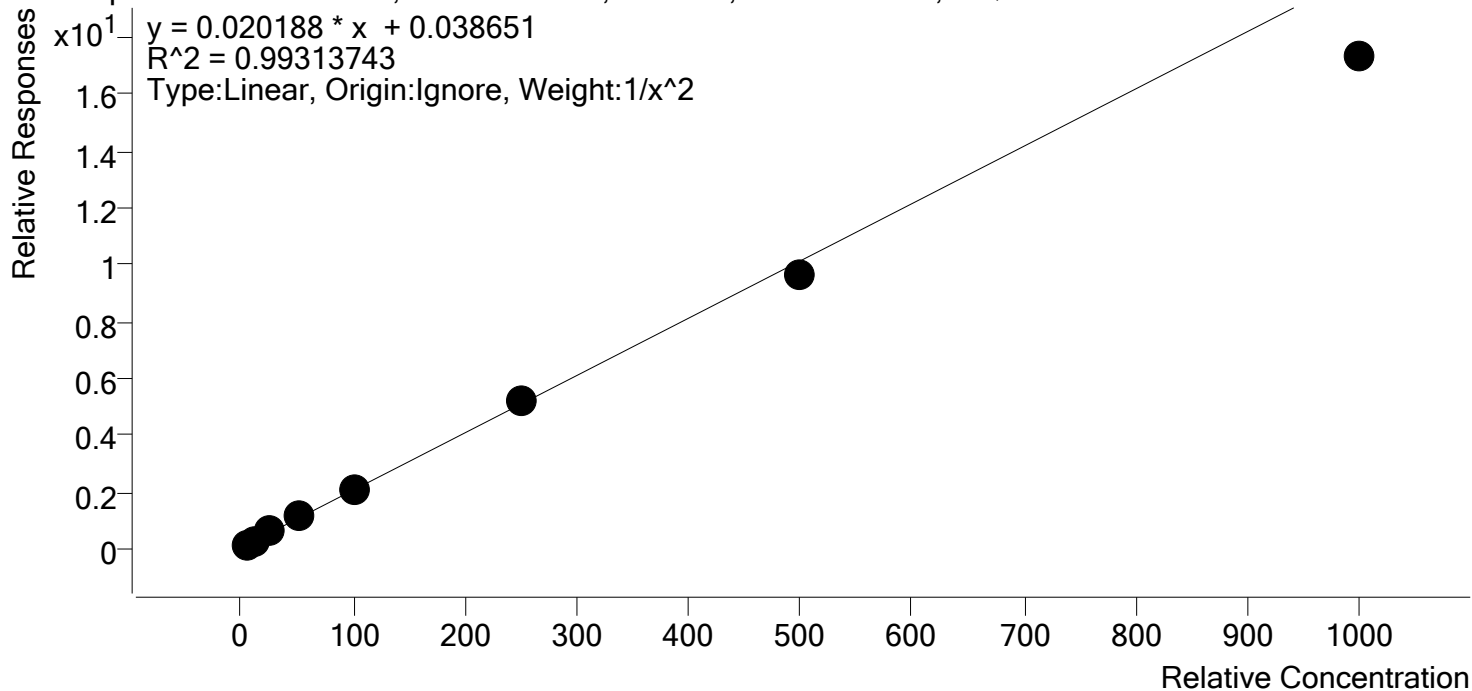
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.1
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.4
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.9
p1 Cal 4-50ng	4	✓	50.0	50.2	100.3
p1 Cal 5-100ng	5	✓	100.0	96.3	96.3
p1 Cal 6-250ng	6	✓	250.0	248.2	99.3
p1 Cal 7-500ng	7	✓	500.0	501.4	100.3
p1 Cal 8-1000ng	8	✓	1000.0	1004.0	100.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 10/24/2019 8:50 AM
Analyst Name ISP\datastor
Analyte Methamphetamine **Internal Standard** Methamphetamine-D11

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

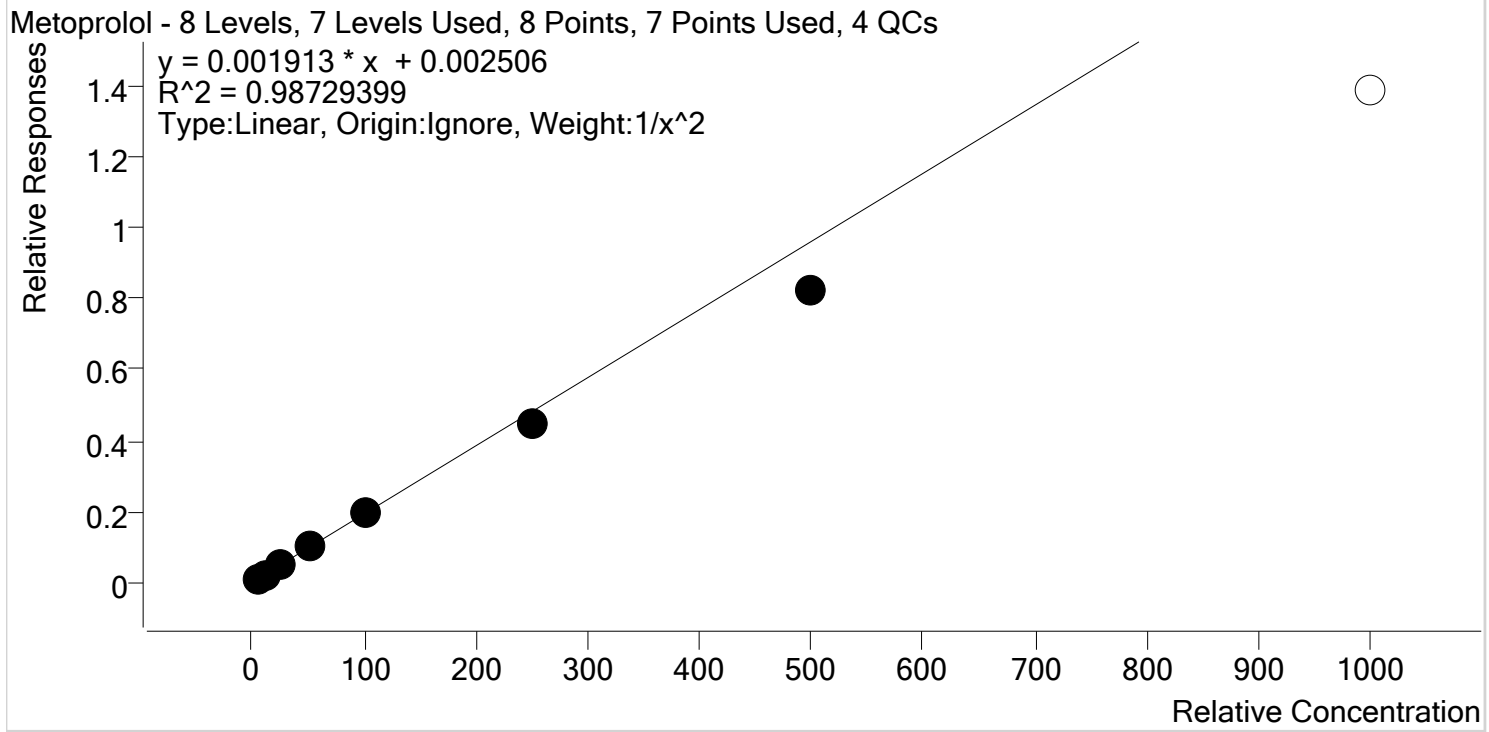


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.5
p1 Cal 2- 10ng	2	✓	10.0	10.3	102.6
p1 Cal 3 -25ng	3	✓	25.0	26.6	106.3
p1 Cal 4-50ng	4	✓	50.0	54.0	107.9
p1 Cal 5-100ng	5	✓	100.0	103.9	103.9
p1 Cal 6-250ng	6	✓	250.0	253.6	101.4
p1 Cal 7-500ng	7	✓	500.0	478.1	95.6
p1 Cal 8-1000ng	8	✓	1000.0	856.4	85.6



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 10/24/2019 8:50 AM
Analyst Name ISP\datastor
Analyte Metoprolol **Internal Standard** Tramadol-13C-D3

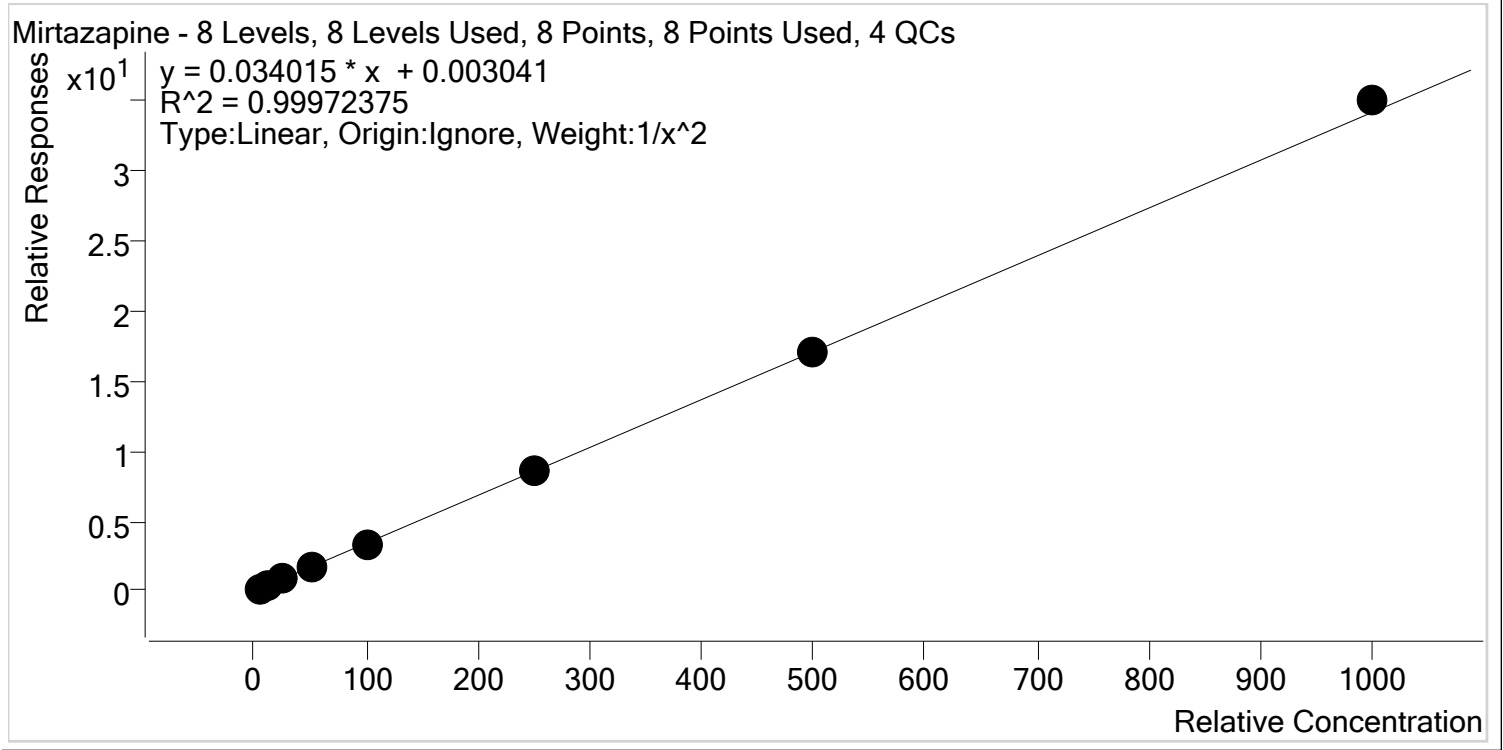


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.2
p1 Cal 2- 10ng	2	✓	10.0	10.6	106.1
p1 Cal 3 -25ng	3	✓	25.0	27.3	109.3
p1 Cal 4-50ng	4	✓	50.0	55.2	110.5
p1 Cal 5-100ng	5	✓	100.0	102.5	102.5
p1 Cal 6-250ng	6	✓	250.0	230.6	92.3
p1 Cal 7-500ng	7	✓	500.0	425.9	85.2
p1 Cal 8-1000ng	8	x	1000.0	721.5	72.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 10/24/2019 8:50 AM
Analyst Name ISP\datastor
Analyte Mirtazapine **Internal Standard** alpha-PVP-d8

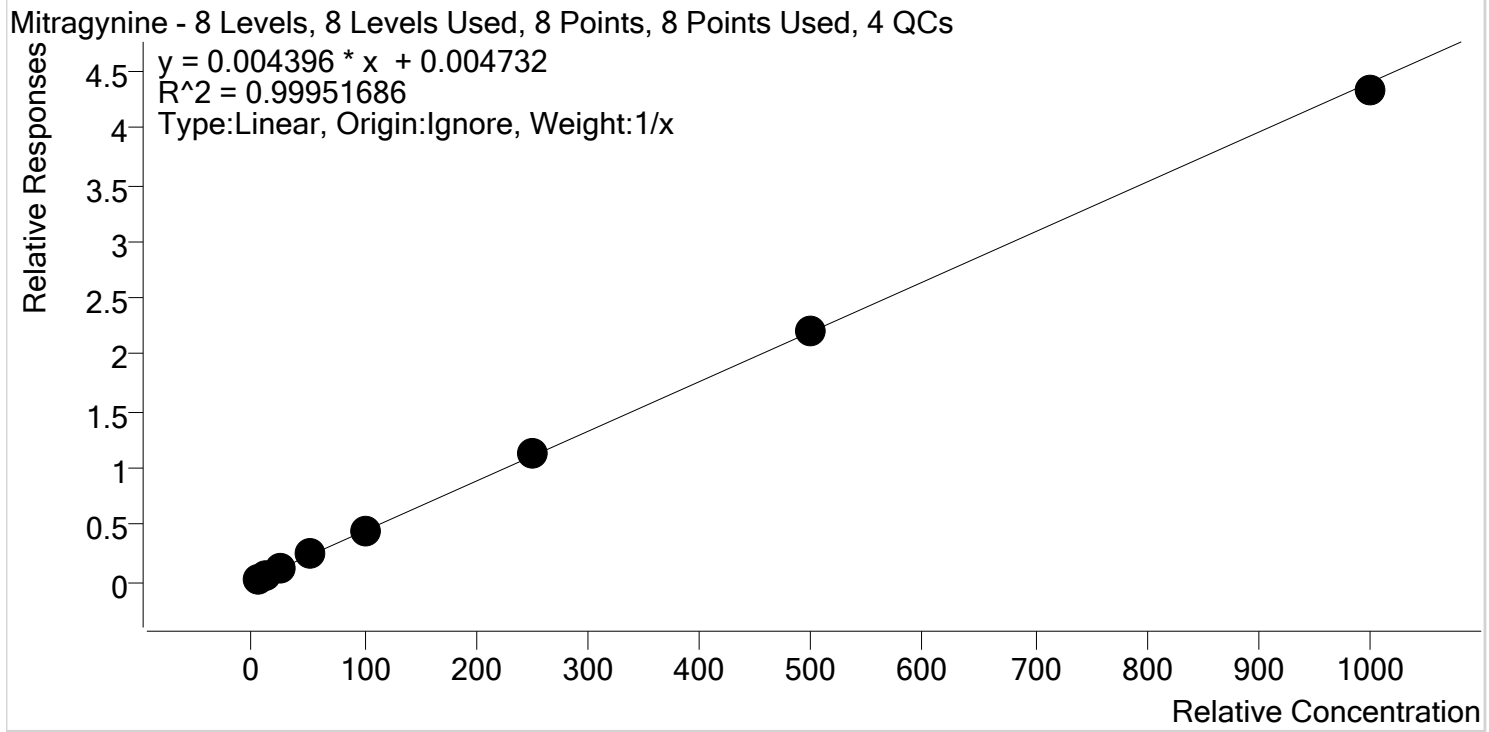


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.2
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.7
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.1
p1 Cal 4-50ng	4	✓	50.0	48.9	97.9
p1 Cal 5-100ng	5	✓	100.0	98.5	98.5
p1 Cal 6-250ng	6	✓	250.0	251.1	100.5
p1 Cal 7-500ng	7	✓	500.0	498.2	99.6
p1 Cal 8-1000ng	8	✓	1000.0	1024.6	102.5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 10/24/2019 8:50 AM
Analyst Name ISP\datastor
Analyte Mitragynine **Internal Standard** Methadone-D9



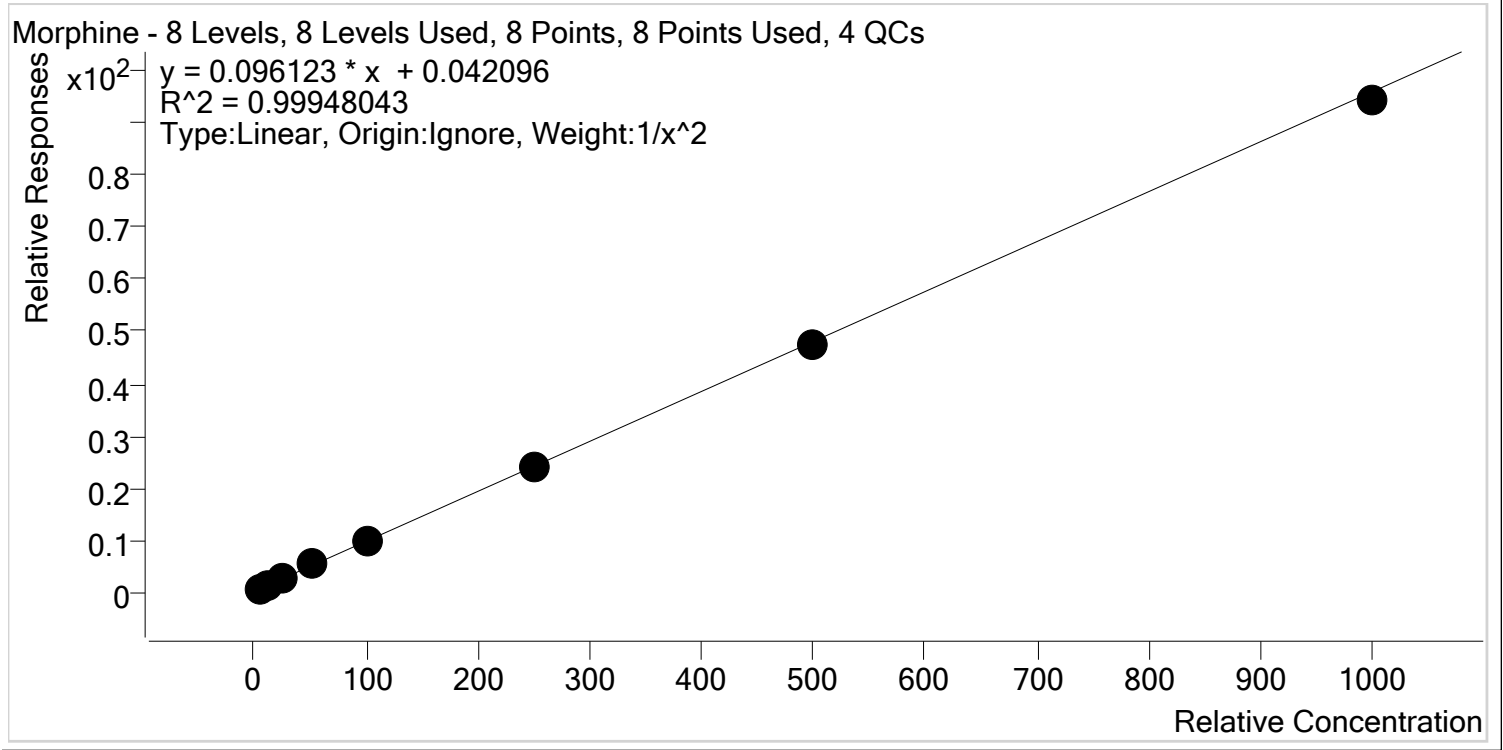
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.5	89.7
p1 Cal 2- 10ng	2	✓	10.0	9.8	98.3
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.3
p1 Cal 4-50ng	4	✓	50.0	52.5	104.9
p1 Cal 5-100ng	5	✓	100.0	102.2	102.2
p1 Cal 6-250ng	6	✓	250.0	259.2	103.7
p1 Cal 7-500ng	7	✓	500.0	502.6	100.5
p1 Cal 8-1000ng	8	✓	1000.0	983.7	98.4

5

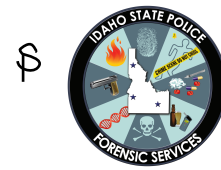


AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 10/24/2019 8:50 AM
Analyst Name ISP\datastor
Analyte Morphine **Internal Standard** Morphine-D6

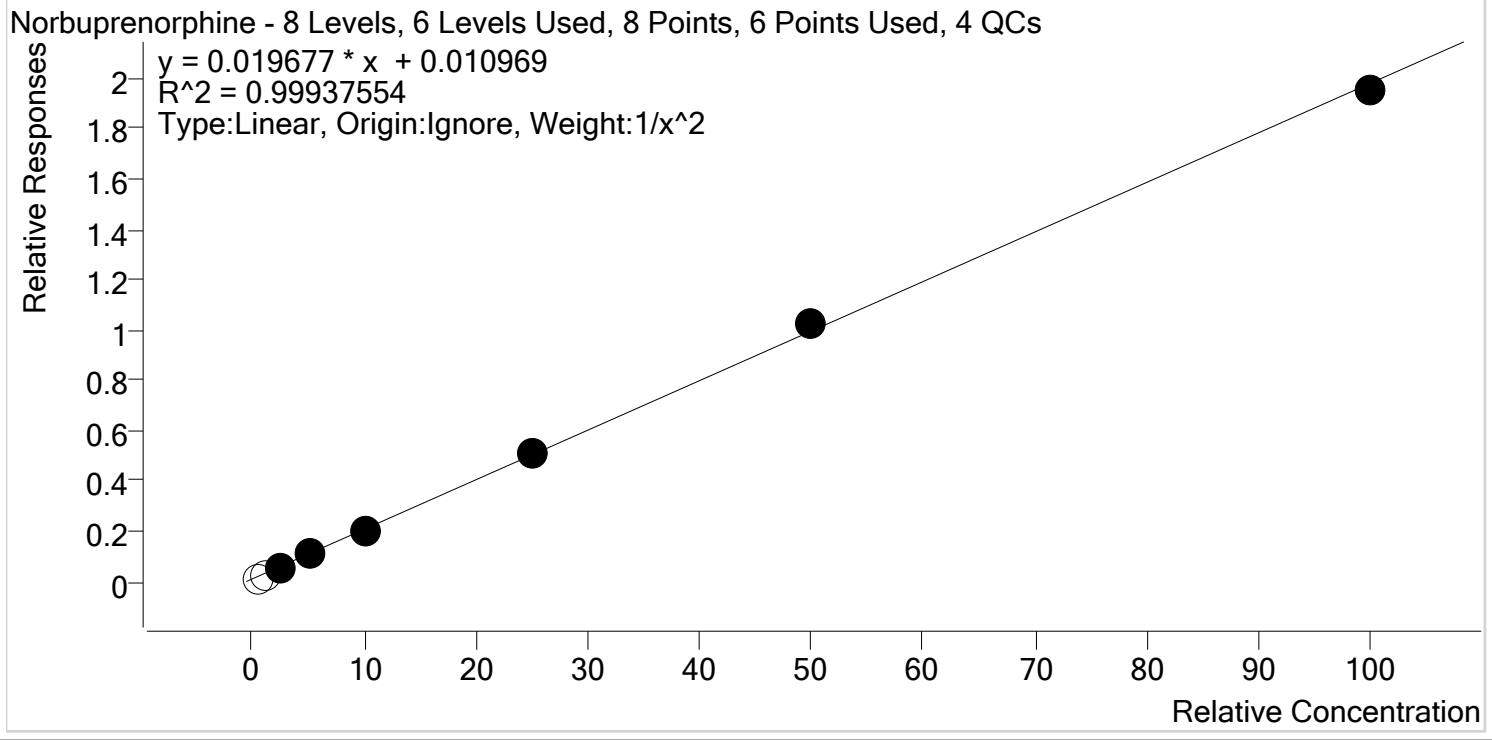


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.3
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.3
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.4
p1 Cal 4-50ng	4	✓	50.0	52.0	104.1
p1 Cal 5-100ng	5	✓	100.0	98.1	98.1
p1 Cal 6-250ng	6	✓	250.0	249.0	99.6
p1 Cal 7-500ng	7	✓	500.0	494.8	99.0
p1 Cal 8-1000ng	8	✓	1000.0	982.4	98.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 10/24/2019 8:50 AM
Analyst Name ISP\datastor
Analyte Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

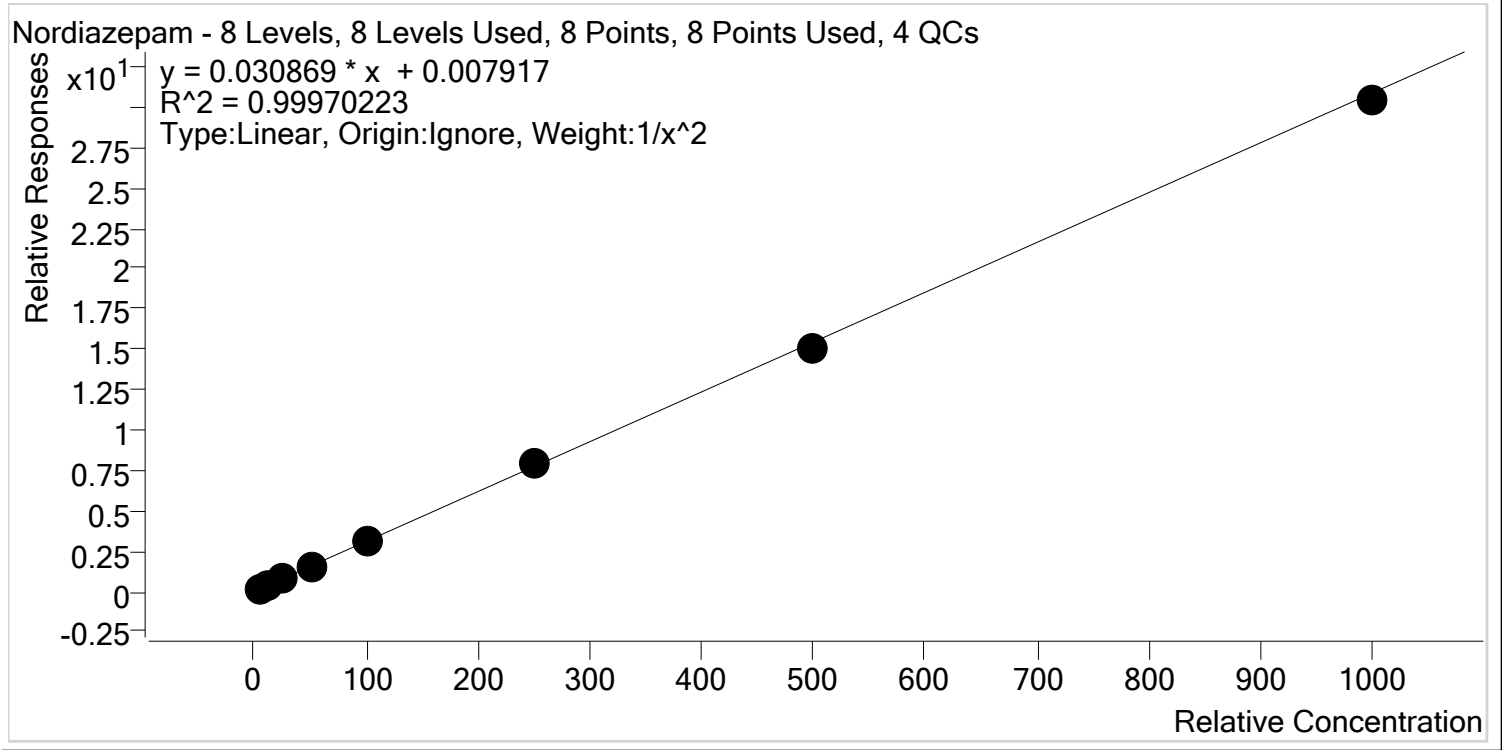


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	x	0.5	0.0	5.1
p1 Cal 2- 10ng	2	x	1.0	0.7	65.9
p1 Cal 3 -25ng	3	✓	2.5	2.5	100.6
p1 Cal 4-50ng	4	✓	5.0	5.0	99.8
p1 Cal 5-100ng	5	✓	10.0	9.8	97.6
p1 Cal 6-250ng	6	✓	25.0	25.0	100.0
p1 Cal 7-500ng	7	✓	50.0	51.7	103.5
p1 Cal 8-1000ng	8	✓	100.0	98.5	98.5

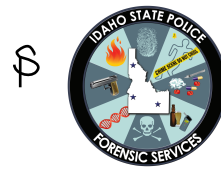


AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 10/24/2019 8:50 AM
Analyst Name ISP\datastor
Analyte Nordiazepam **Internal Standard** Nordiazepam-D5

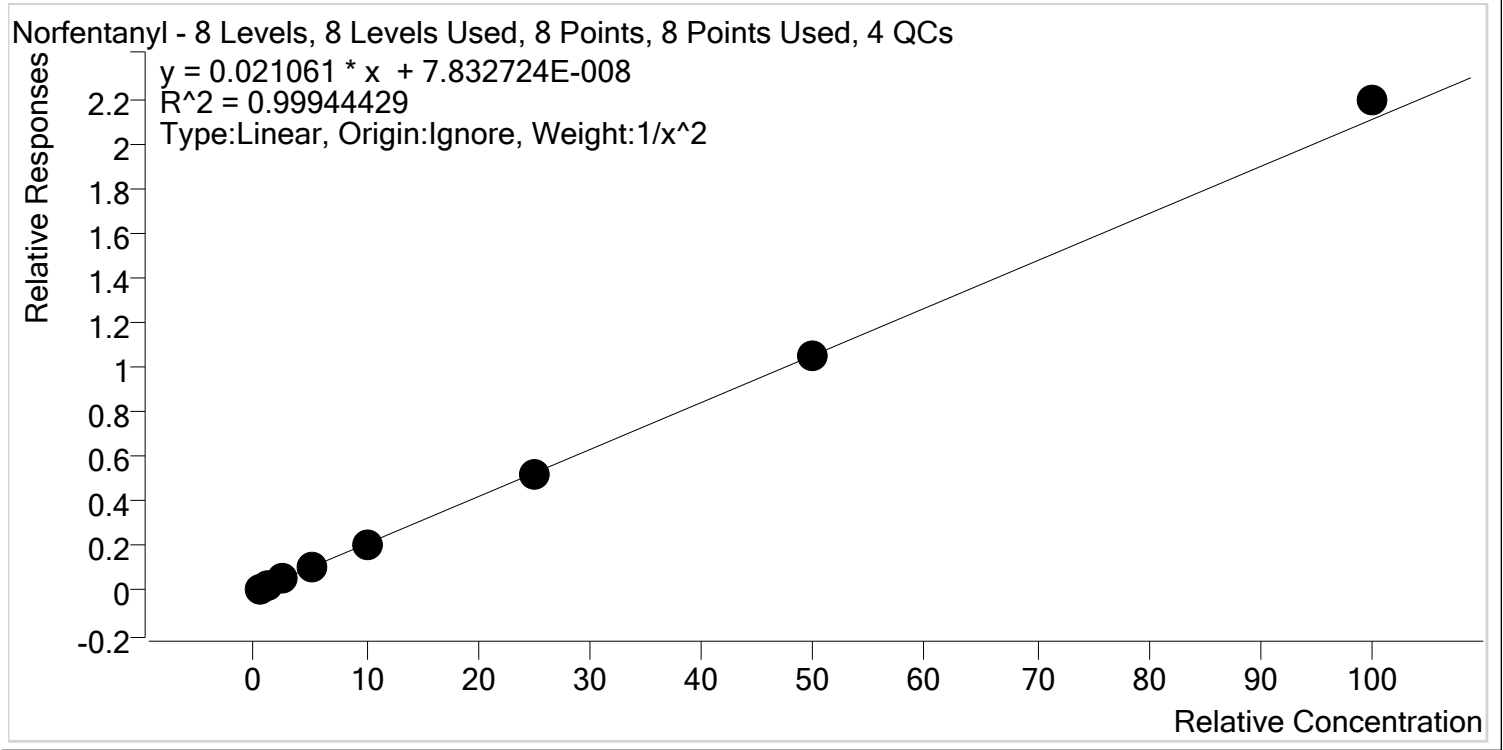


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.8
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.2
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.4
p1 Cal 4-50ng	4	✓	50.0	50.3	100.6
p1 Cal 5-100ng	5	✓	100.0	99.8	99.8
p1 Cal 6-250ng	6	✓	250.0	254.0	101.6
p1 Cal 7-500ng	7	✓	500.0	490.1	98.0
p1 Cal 8-1000ng	8	✓	1000.0	984.8	98.5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 10/24/2019 8:50 AM
Analyst Name ISP\datastor
Analyte Norfentanyl **Internal Standard** Norfentanyl-D5

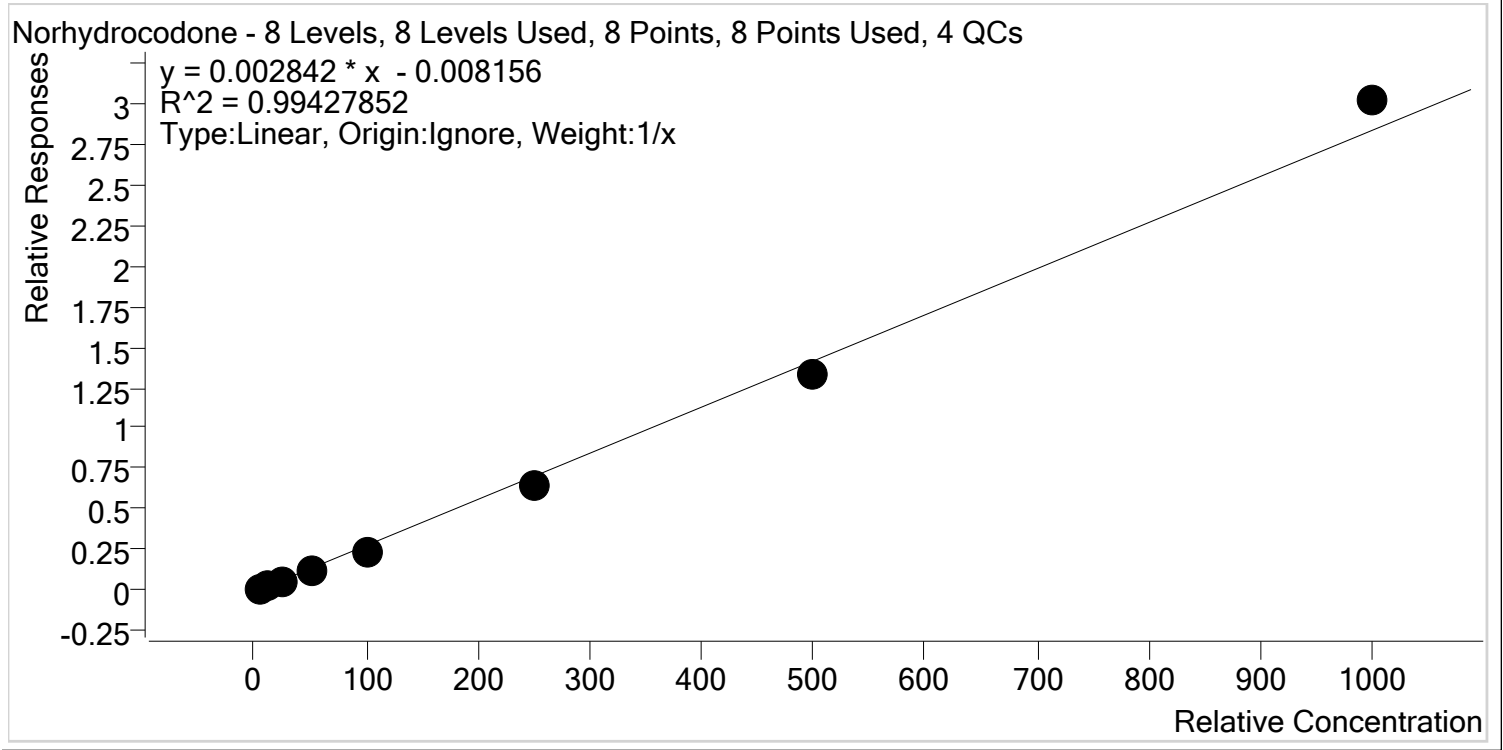


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	101.4
p1 Cal 2- 10ng	2	✓	1.0	1.0	98.1
p1 Cal 3 -25ng	3	✓	2.5	2.5	98.3
p1 Cal 4-50ng	4	✓	5.0	5.0	100.4
p1 Cal 5-100ng	5	✓	10.0	9.8	97.8
p1 Cal 6-250ng	6	✓	25.0	24.9	99.8
p1 Cal 7-500ng	7	✓	50.0	50.1	100.3
p1 Cal 8-1000ng	8	✓	100.0	104.0	104.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 10/24/2019 8:50 AM
Analyst Name ISP\datastor
Analyte Norhydrocodone **Internal Standard** Norhydrocodone-D3



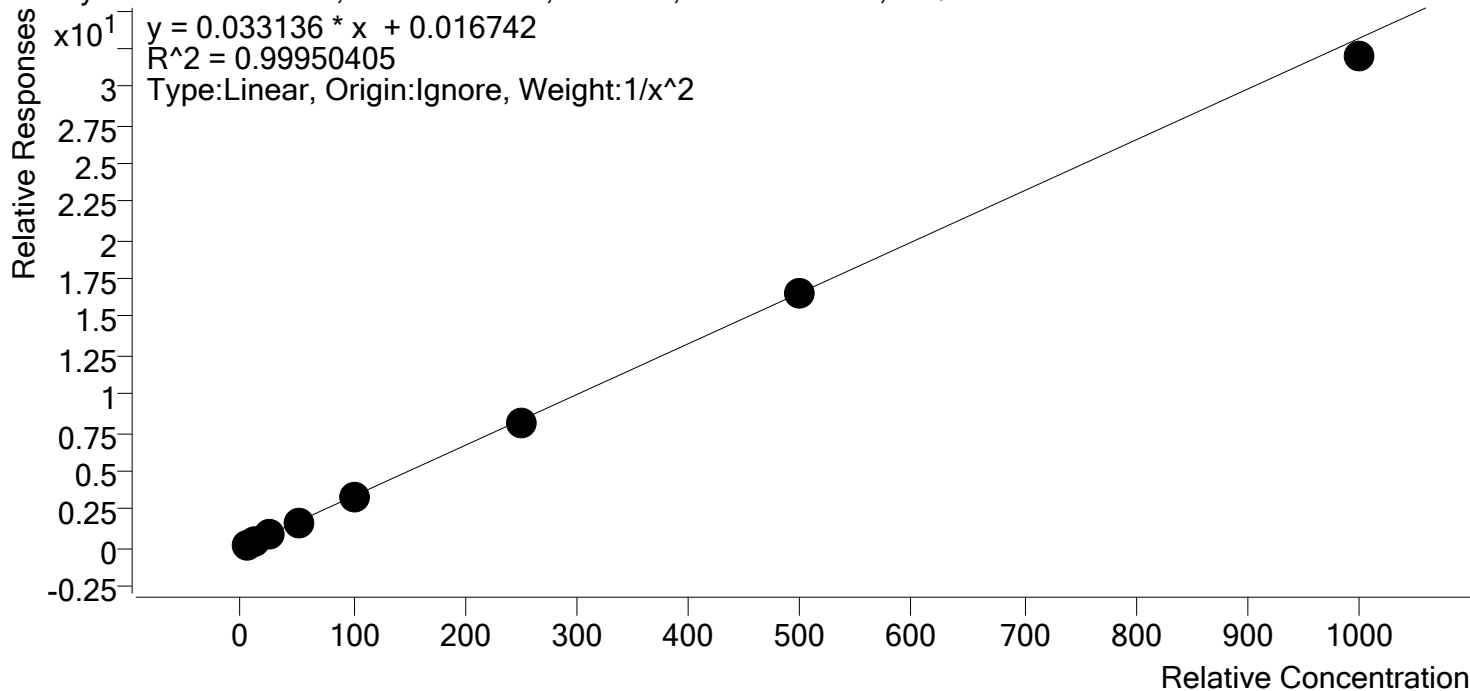
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	6.4	127.9
p1 Cal 2- 10ng	2	✓	10.0	11.1	111.3
p1 Cal 3 -25ng	3	✓	25.0	22.5	90.2
p1 Cal 4-50ng	4	✓	50.0	45.4	90.8
p1 Cal 5-100ng	5	✓	100.0	87.3	87.3
p1 Cal 6-250ng	6	✓	250.0	227.7	91.1
p1 Cal 7-500ng	7	✓	500.0	475.0	95.0
p1 Cal 8-1000ng	8	✓	1000.0	1064.5	106.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 10/24/2019 8:50 AM
Analyst Name ISP\datastor
Analyte Noroxycodone **Internal Standard** Noroxycodone-D3

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

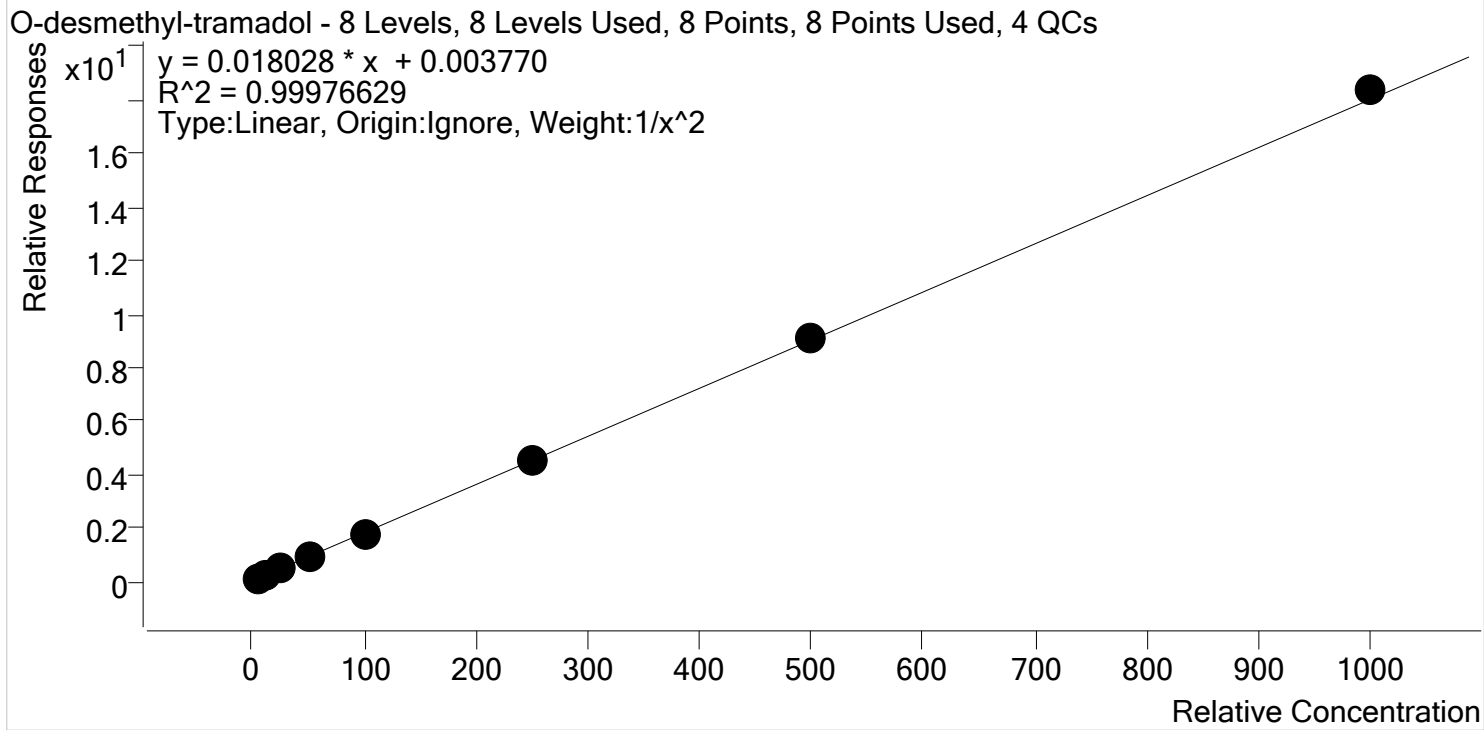


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.8
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.1
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.2
p1 Cal 4-50ng	4	✓	50.0	50.9	101.8
p1 Cal 5-100ng	5	✓	100.0	101.1	101.1
p1 Cal 6-250ng	6	✓	250.0	247.1	98.8
p1 Cal 7-500ng	7	✓	500.0	498.9	99.8
p1 Cal 8-1000ng	8	✓	1000.0	964.0	96.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 10/24/2019 8:50 AM
Analyst Name ISP\datastor
Analyte O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6

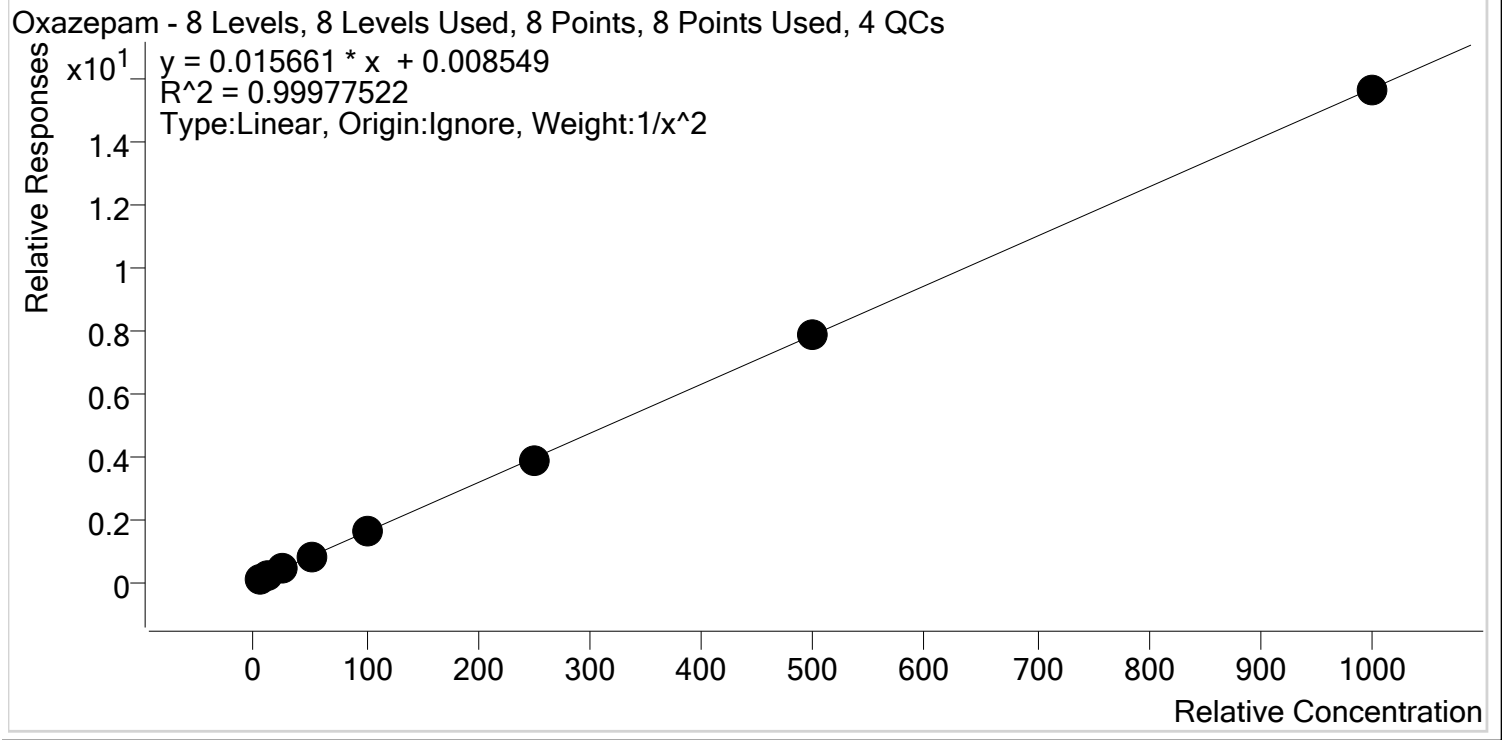


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.8
p1 Cal 2- 10ng	2	✓	10.0	9.9	98.9
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.9
p1 Cal 4-50ng	4	✓	50.0	50.3	100.5
p1 Cal 5-100ng	5	✓	100.0	98.0	98.0
p1 Cal 6-250ng	6	✓	250.0	249.5	99.8
p1 Cal 7-500ng	7	✓	500.0	505.6	101.1
p1 Cal 8-1000ng	8	✓	1000.0	1019.2	101.9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 10/24/2019 8:50 AM
Analyst Name ISP\datastor
Analyte Oxazepam **Internal Standard** Oxazepam-D5

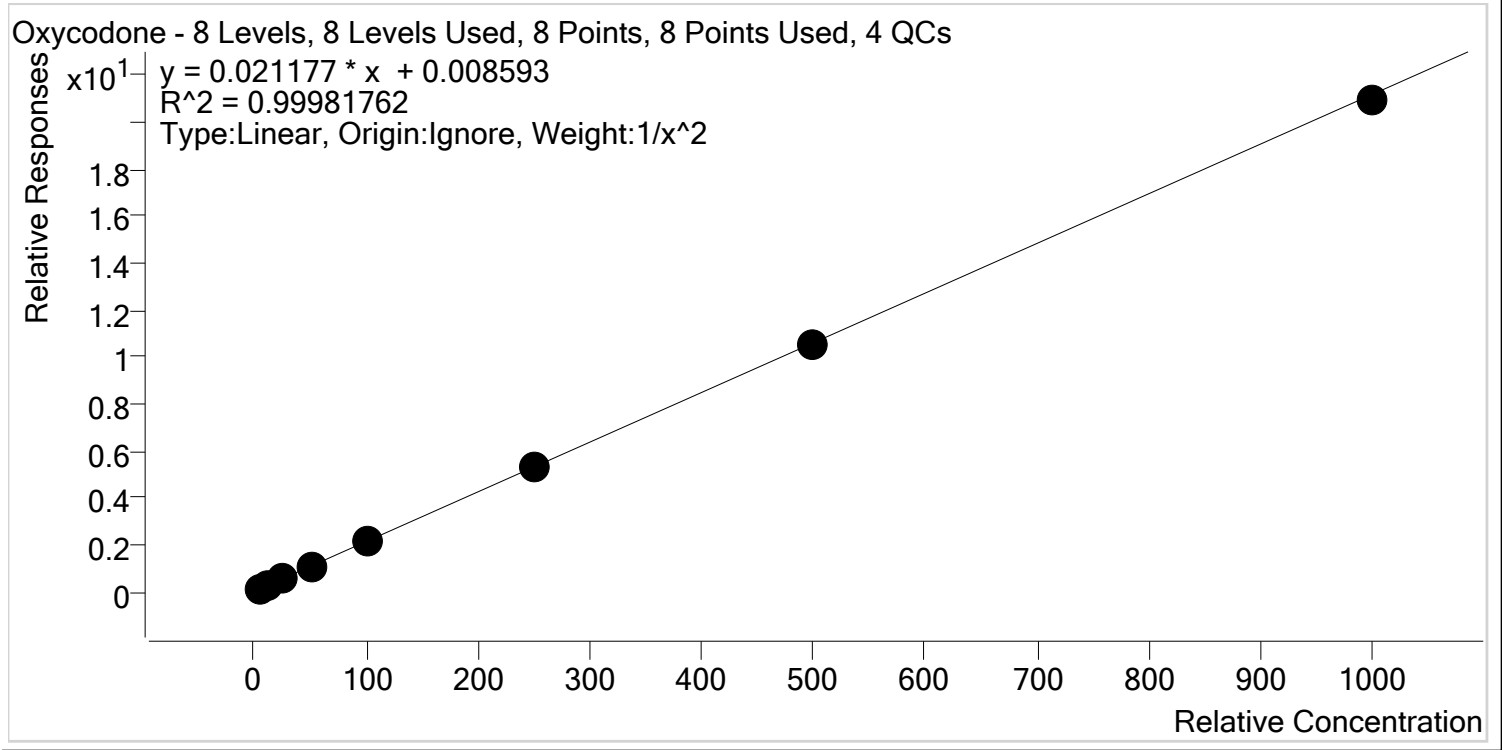


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.8
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.6
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.2
p1 Cal 4-50ng	4	✓	50.0	49.6	99.1
p1 Cal 5-100ng	5	✓	100.0	100.9	100.9
p1 Cal 6-250ng	6	✓	250.0	244.9	98.0
p1 Cal 7-500ng	7	✓	500.0	503.9	100.8
p1 Cal 8-1000ng	8	✓	1000.0	995.9	99.6



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 10/24/2019 8:50 AM
Analyst Name ISP\datastor
Analyte Oxycodone **Internal Standard** Oxycodone-D6



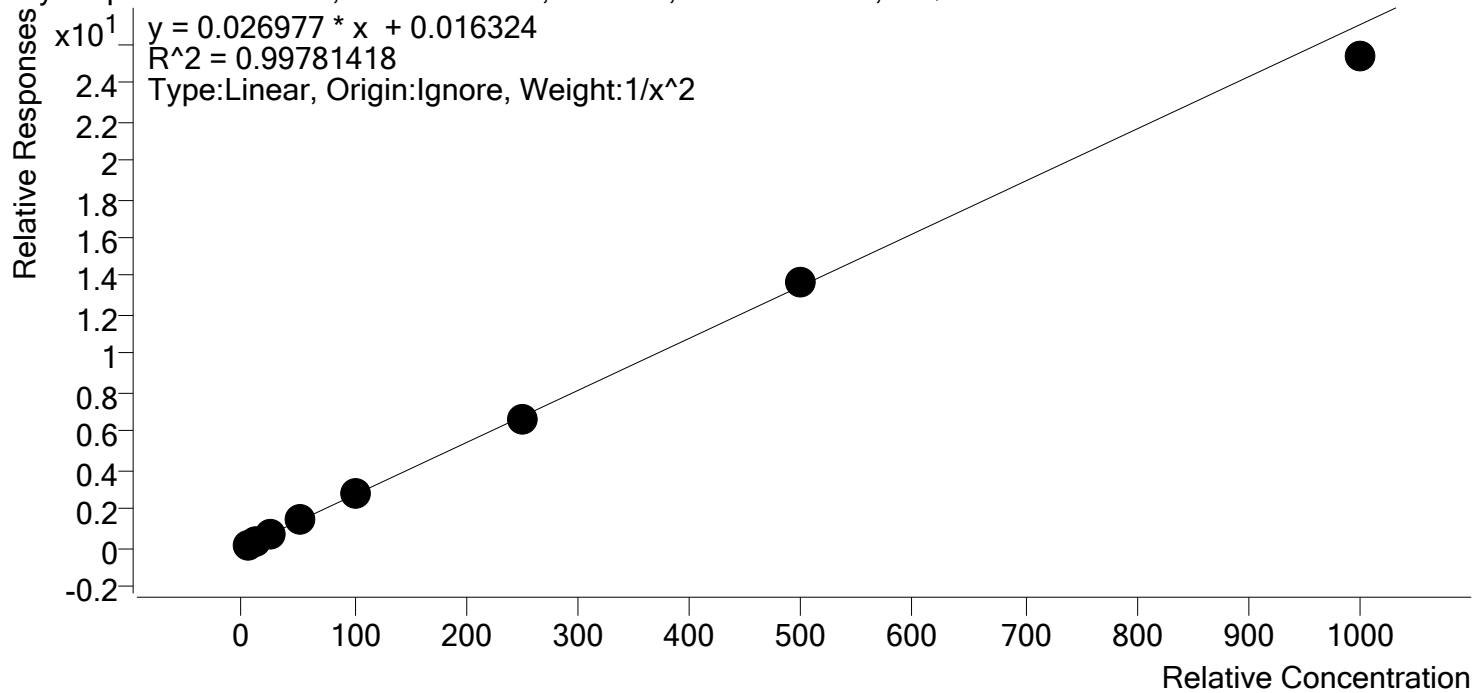
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.1
p1 Cal 2- 10ng	2	✓	10.0	9.9	98.9
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.2
p1 Cal 4-50ng	4	✓	50.0	51.0	102.0
p1 Cal 5-100ng	5	✓	100.0	99.0	99.0
p1 Cal 6-250ng	6	✓	250.0	250.8	100.3
p1 Cal 7-500ng	7	✓	500.0	498.0	99.6
p1 Cal 8-1000ng	8	✓	1000.0	987.6	98.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 10/24/2019 8:50 AM
Analyst Name ISP\datastor
Analyte Oxymorphone **Internal Standard** Oxymorphone-D3

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



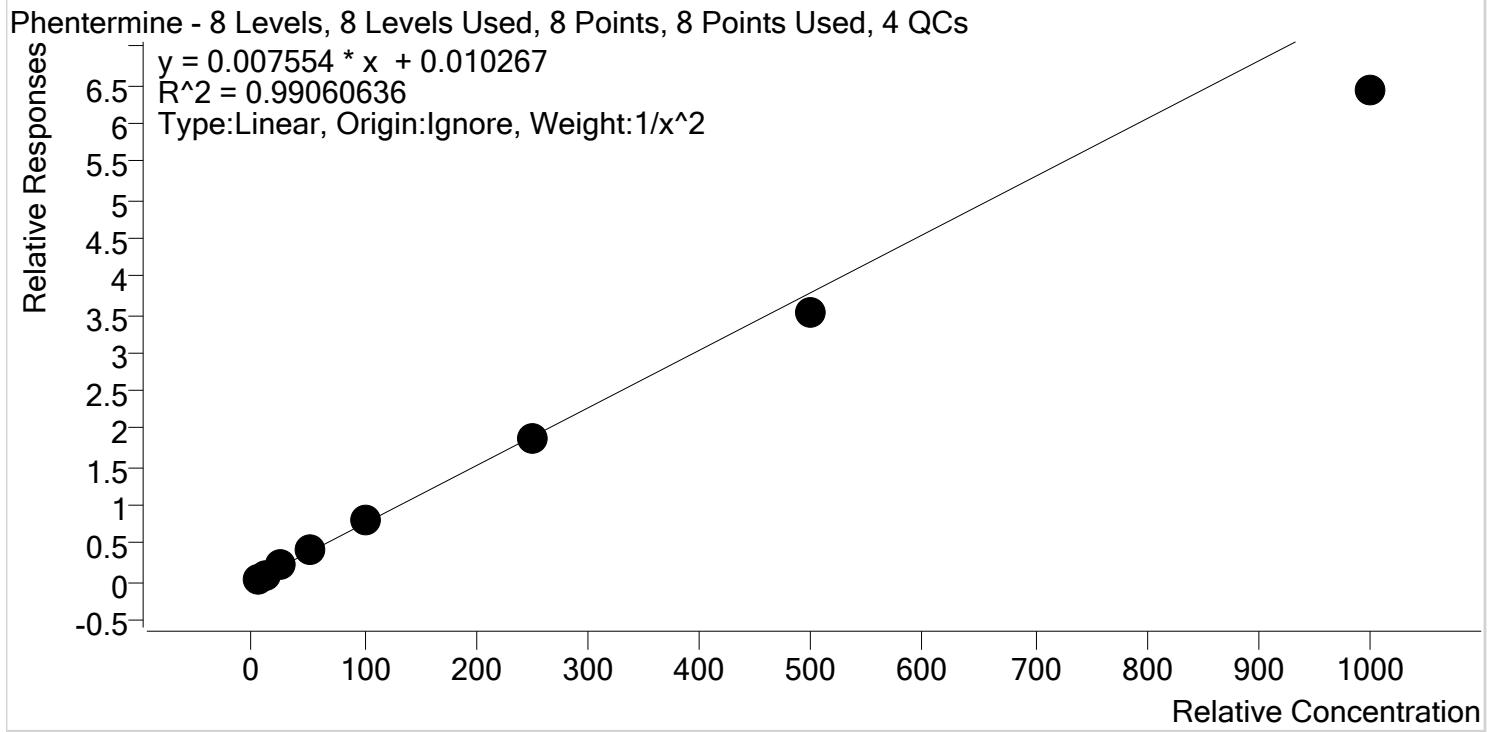
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.0
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.4
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.6
p1 Cal 4-50ng	4	✓	50.0	54.0	107.9
p1 Cal 5-100ng	5	✓	100.0	101.6	101.6
p1 Cal 6-250ng	6	✓	250.0	245.2	98.1
p1 Cal 7-500ng	7	✓	500.0	508.0	101.6
p1 Cal 8-1000ng	8	✓	1000.0	938.7	93.9

15



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 10/24/2019 8:50 AM
Analyst Name ISP\datastor
Analyte Phentermine **Internal Standard** Phentermine-D5

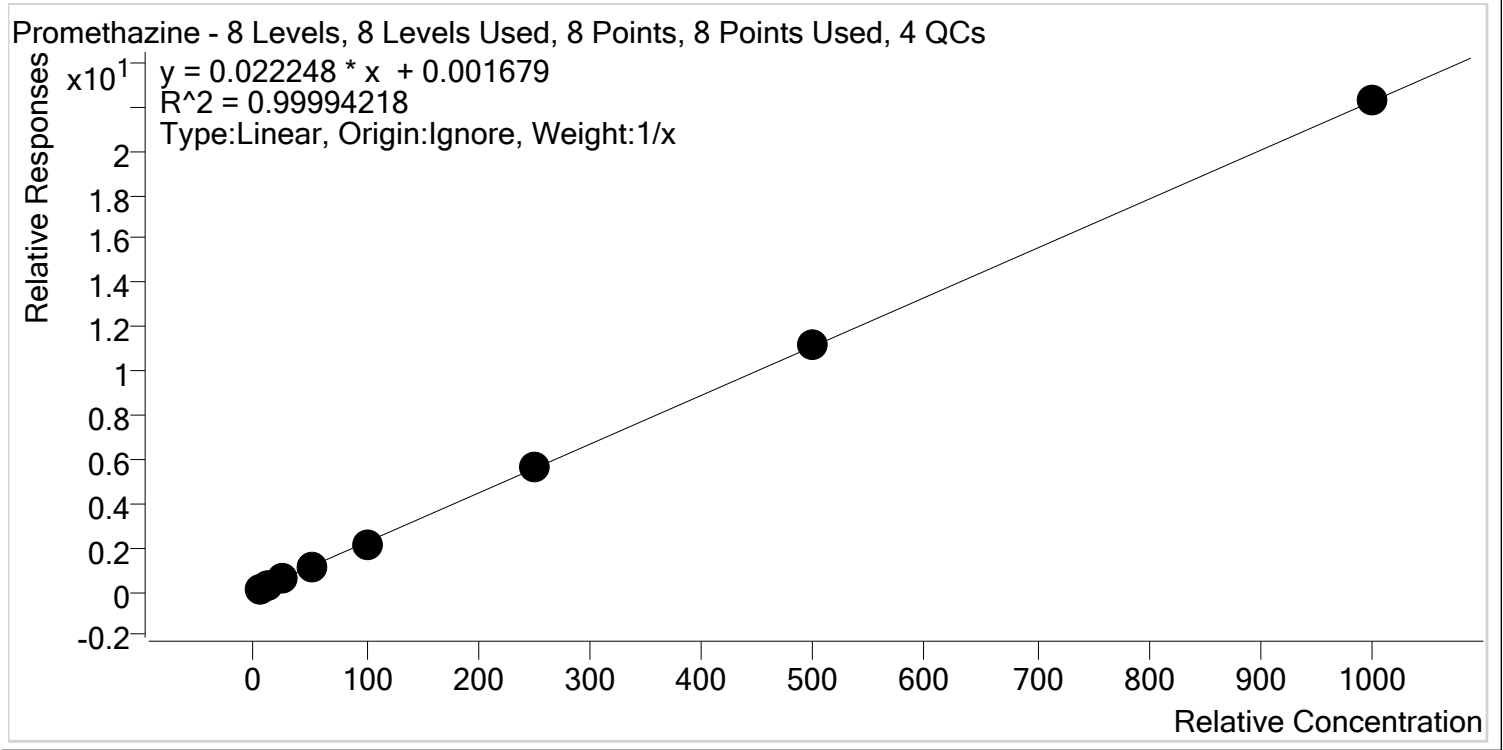


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.5
p1 Cal 2- 10ng	2	✓	10.0	10.4	103.7
p1 Cal 3 -25ng	3	✓	25.0	27.0	108.0
p1 Cal 4-50ng	4	✓	50.0	55.0	109.9
p1 Cal 5-100ng	5	✓	100.0	105.0	105.0
p1 Cal 6-250ng	6	✓	250.0	250.4	100.2
p1 Cal 7-500ng	7	✓	500.0	464.5	92.9
p1 Cal 8-1000ng	8	✓	1000.0	848.9	84.9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 10/24/2019 8:50 AM
Analyst Name ISP\datastor
Analyte Promethazine **Internal Standard** Promethazine-D3

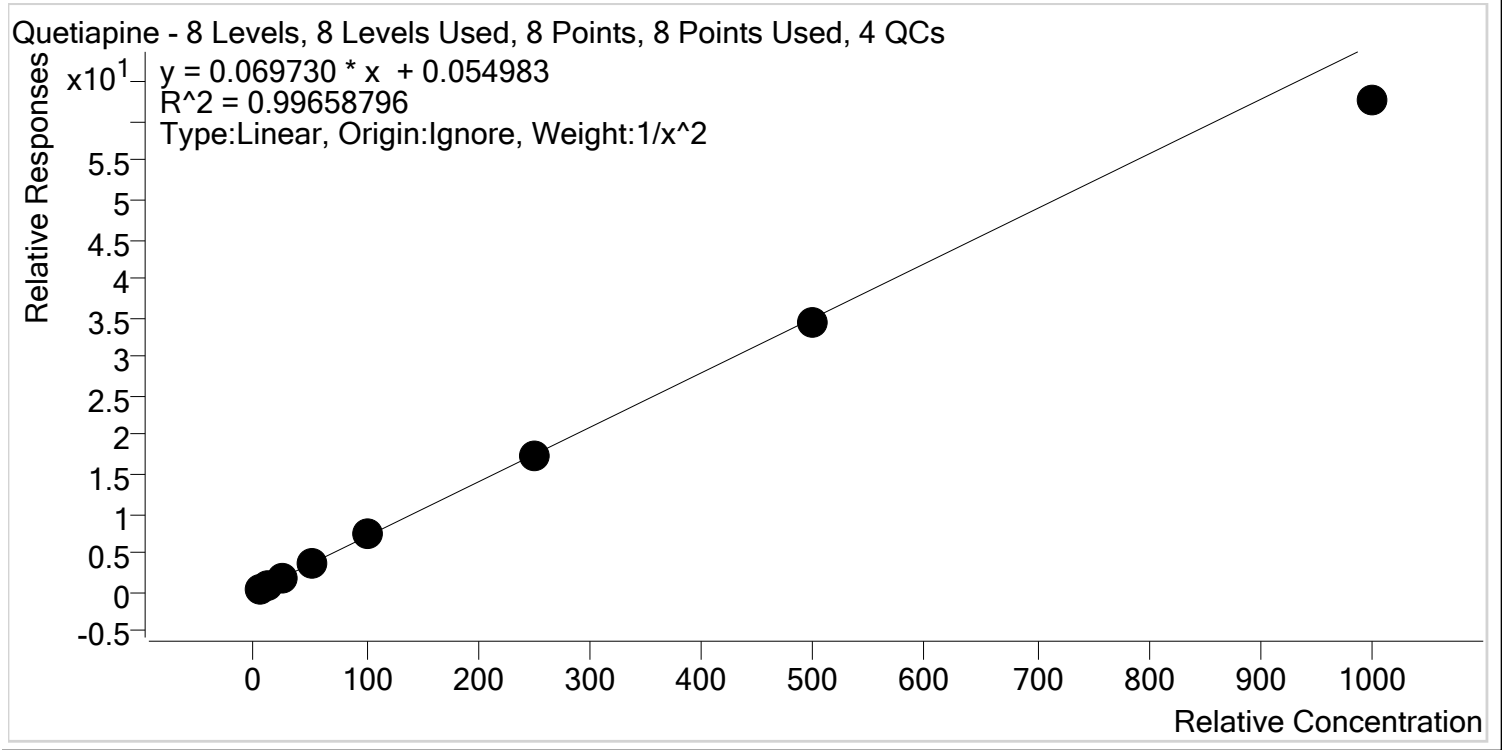


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.0
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.7
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.4
p1 Cal 4-50ng	4	✓	50.0	50.1	100.2
p1 Cal 5-100ng	5	✓	100.0	97.1	97.1
p1 Cal 6-250ng	6	✓	250.0	250.8	100.3
p1 Cal 7-500ng	7	✓	500.0	500.6	100.1
p1 Cal 8-1000ng	8	✓	1000.0	1001.6	100.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 10/24/2019 8:50 AM
Analyst Name ISP\datastor
Analyte Quetiapine **Internal Standard** Quetiapine-D8



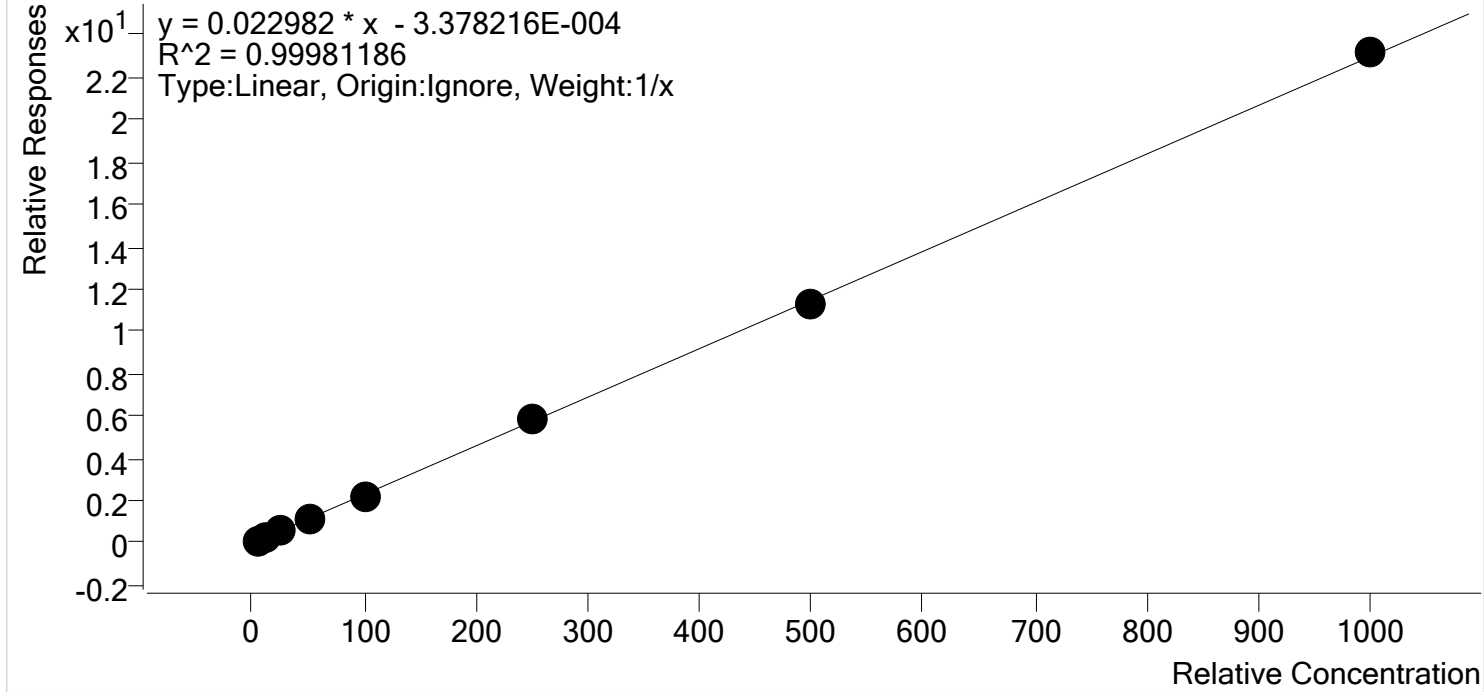
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.1
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.9
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.3
p1 Cal 4-50ng	4	✓	50.0	53.6	107.2
p1 Cal 5-100ng	5	✓	100.0	102.3	102.3
p1 Cal 6-250ng	6	✓	250.0	251.1	100.4
p1 Cal 7-500ng	7	✓	500.0	489.9	98.0
p1 Cal 8-1000ng	8	✓	1000.0	897.9	89.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 10/24/2019 8:50 AM
Analyst Name ISP\datastor
Analyte Sertraline **Internal Standard** Sertraline-D3

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

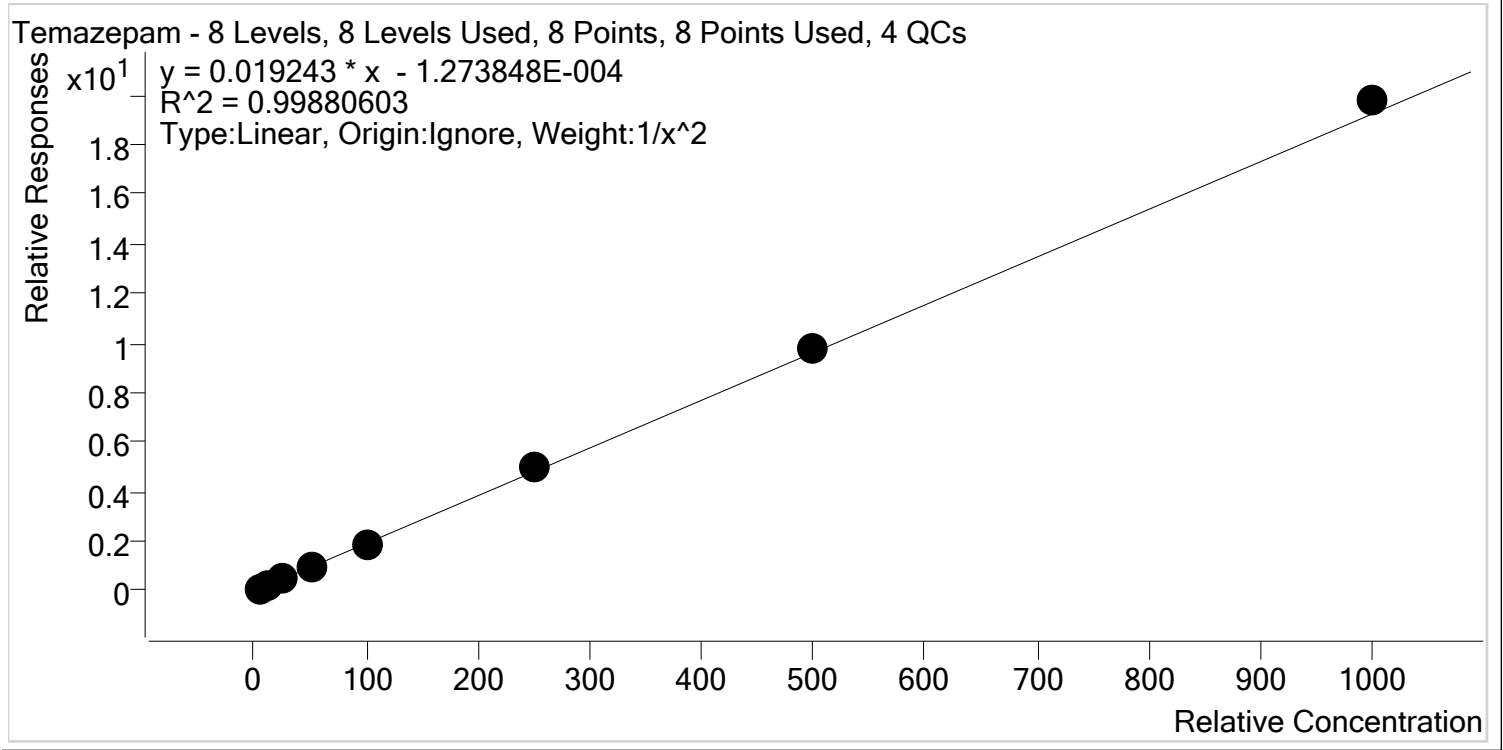


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.7
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.1
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.6
p1 Cal 4-50ng	4	✓	50.0	50.4	100.8
p1 Cal 5-100ng	5	✓	100.0	98.0	98.0
p1 Cal 6-250ng	6	✓	250.0	252.4	101.0
p1 Cal 7-500ng	7	✓	500.0	490.3	98.1
p1 Cal 8-1000ng	8	✓	1000.0	1008.7	100.9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 10/24/2019 8:50 AM
Analyst Name ISP\datastor
Analyte Temazepam **Internal Standard** Temazepam-D5



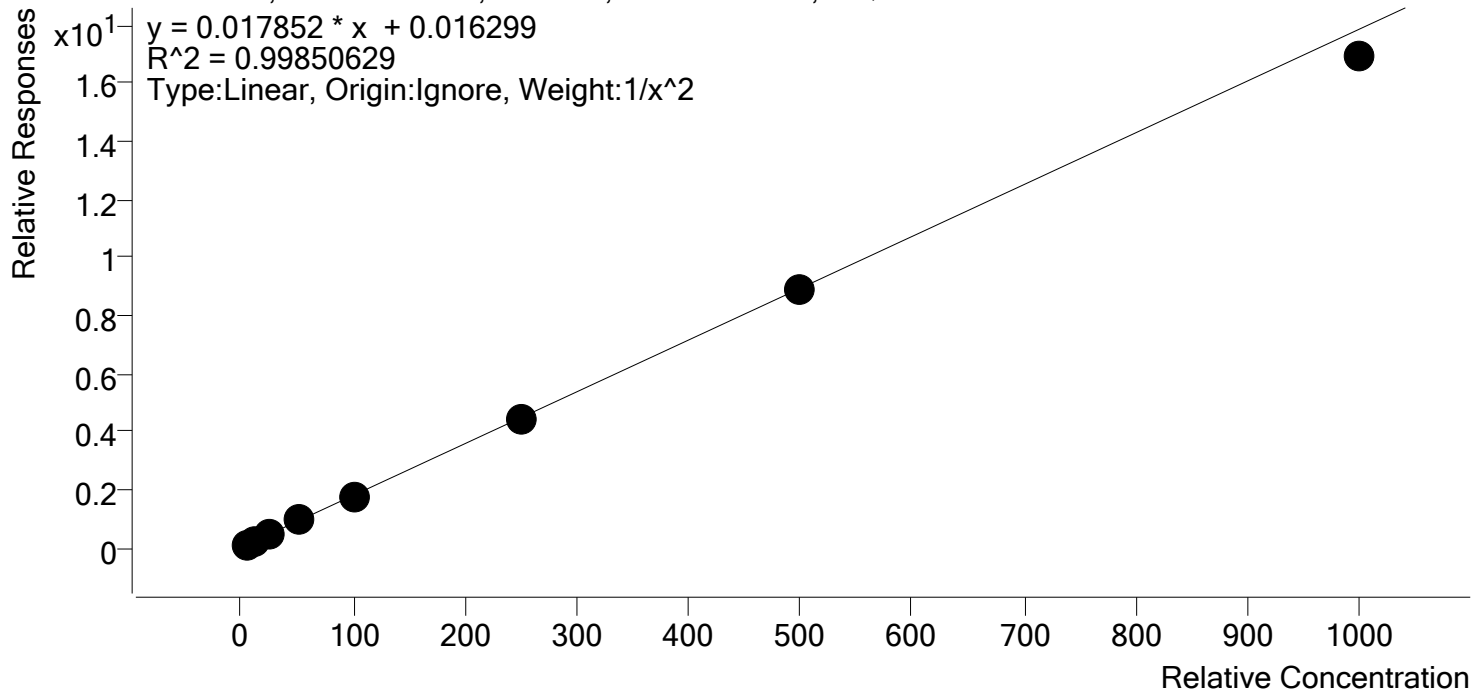
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.1
p1 Cal 2- 10ng	2	✓	10.0	9.7	97.2
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.5
p1 Cal 4-50ng	4	✓	50.0	49.6	99.3
p1 Cal 5-100ng	5	✓	100.0	95.5	95.5
p1 Cal 6-250ng	6	✓	250.0	257.9	103.2
p1 Cal 7-500ng	7	✓	500.0	512.2	102.4
p1 Cal 8-1000ng	8	✓	1000.0	1028.1	102.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 10/24/2019 8:50 AM
Analyst Name ISP\datastor
Analyte Tramadol **Internal Standard** Tramadol-13C-D3

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



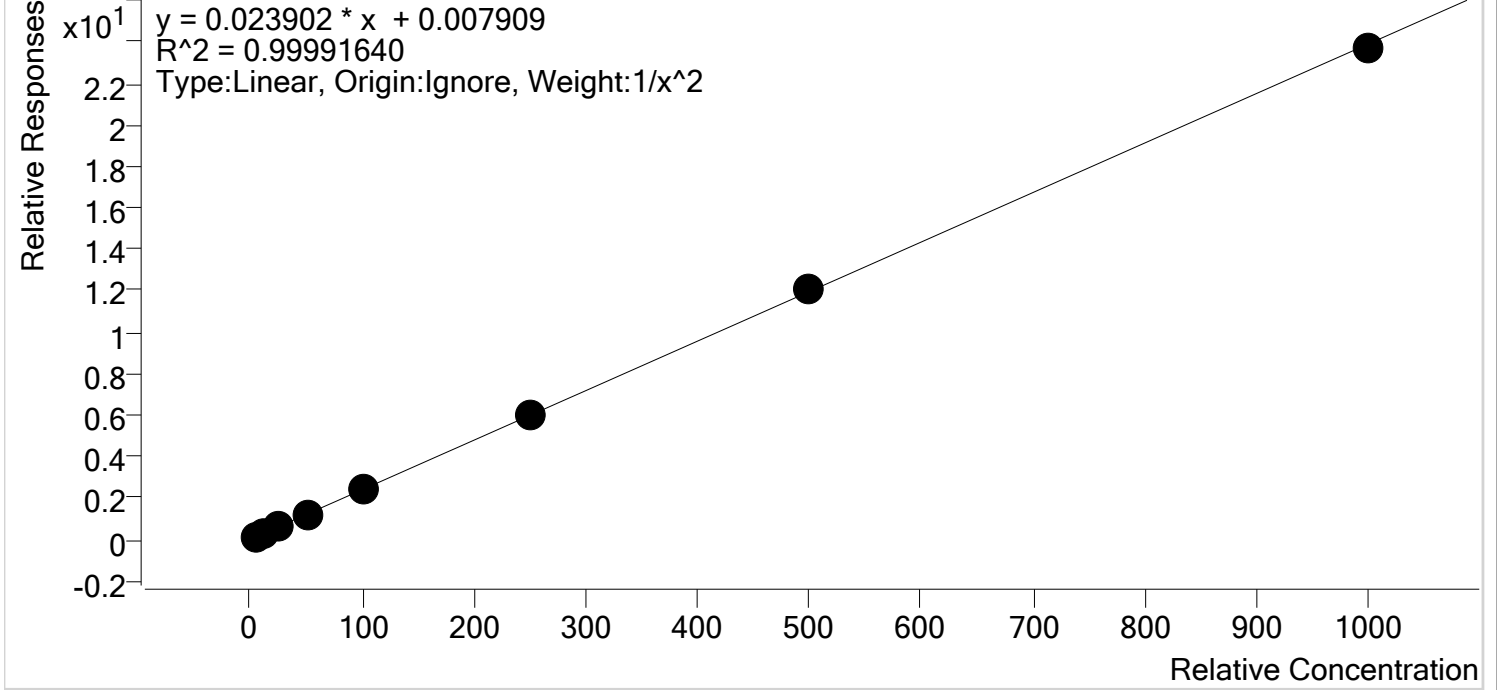
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.0
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.1
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.6
p1 Cal 4-50ng	4	✓	50.0	52.7	105.4
p1 Cal 5-100ng	5	✓	100.0	100.1	100.1
p1 Cal 6-250ng	6	✓	250.0	243.9	97.5
p1 Cal 7-500ng	7	✓	500.0	497.6	99.5
p1 Cal 8-1000ng	8	✓	1000.0	947.2	94.7



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 10/24/2019 8:50 AM
Analyst Name ISP\datastor
Analyte Trazodone **Internal Standard** Trazodone-D6

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

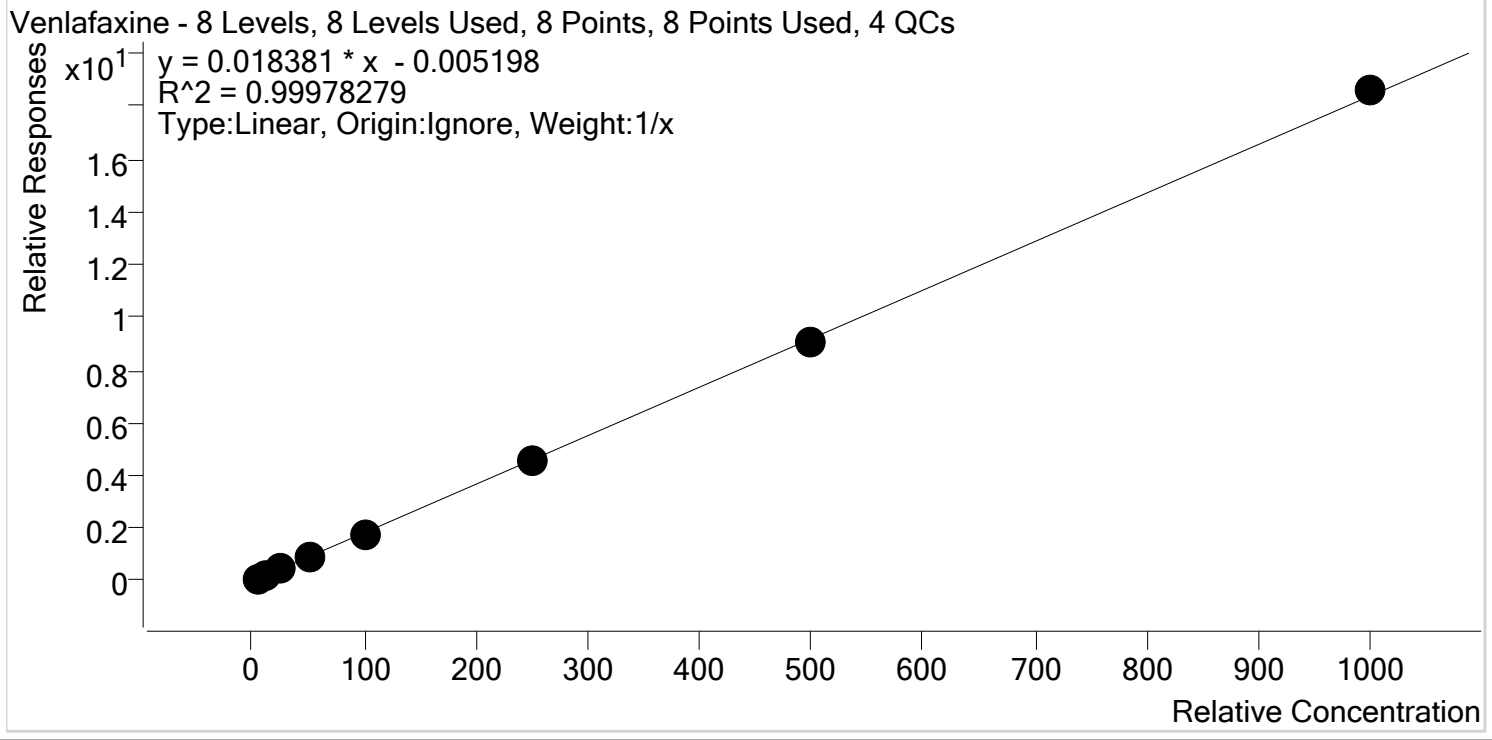


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.6
p1 Cal 2- 10ng	2	✓	10.0	9.9	98.7
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.0
p1 Cal 4-50ng	4	✓	50.0	50.5	101.0
p1 Cal 5-100ng	5	✓	100.0	100.4	100.4
p1 Cal 6-250ng	6	✓	250.0	249.7	99.9
p1 Cal 7-500ng	7	✓	500.0	502.2	100.4
p1 Cal 8-1000ng	8	✓	1000.0	990.8	99.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 10/24/2019 8:50 AM
Analyst Name ISP\datastor
Analyte Venlafaxine **Internal Standard** Venlafaxine-D6

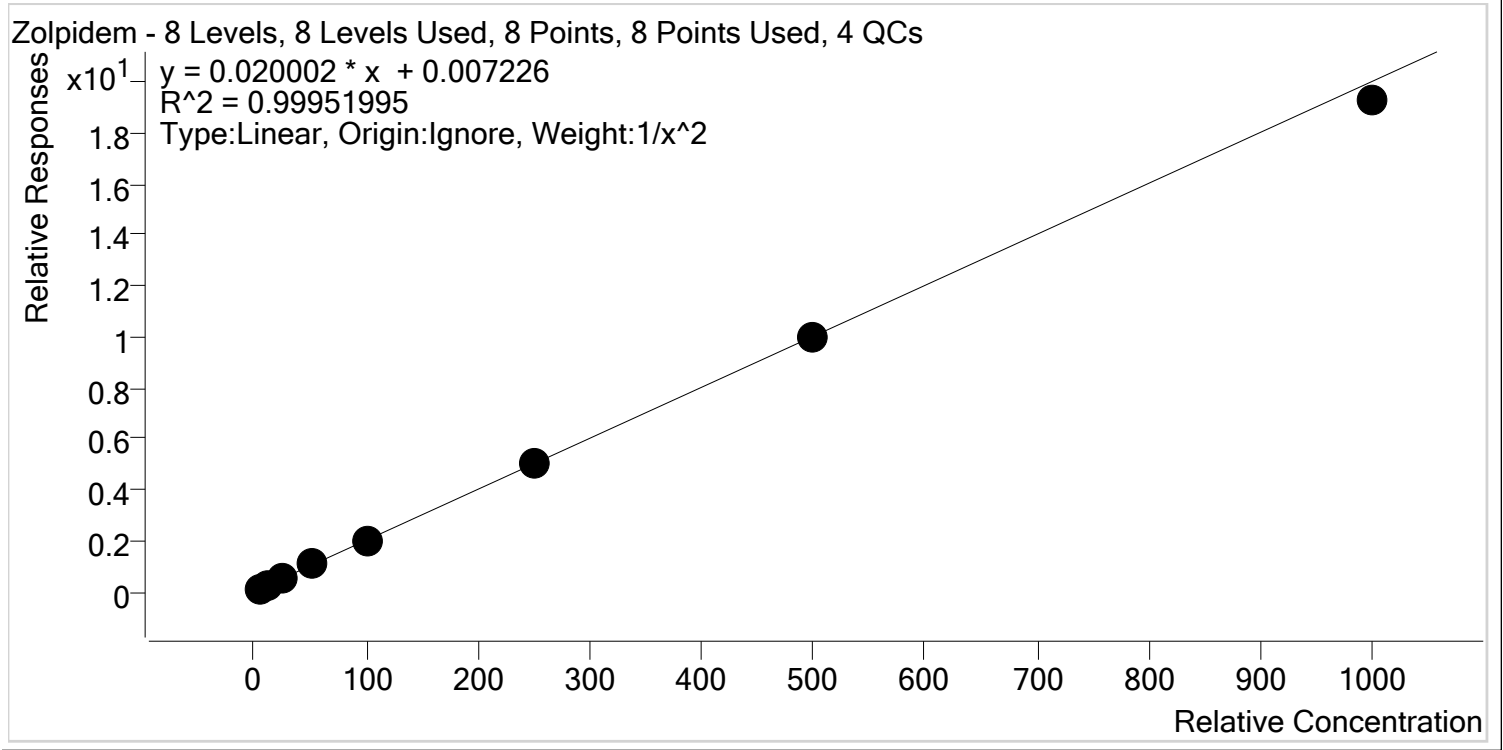


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.4	107.1
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.8
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.7
p1 Cal 4-50ng	4	✓	50.0	50.1	100.2
p1 Cal 5-100ng	5	✓	100.0	96.2	96.2
p1 Cal 6-250ng	6	✓	250.0	246.4	98.6
p1 Cal 7-500ng	7	✓	500.0	496.5	99.3
p1 Cal 8-1000ng	8	✓	1000.0	1011.1	101.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 10/24/2019 8:50 AM
Analyst Name ISP\datastor
Analyte Zolpidem **Internal Standard** Zolpidem-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.7
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.4
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.6
p1 Cal 4-50ng	4	✓	50.0	51.3	102.7
p1 Cal 5-100ng	5	✓	100.0	100.4	100.4
p1 Cal 6-250ng	6	✓	250.0	251.5	100.6
p1 Cal 7-500ng	7	✓	500.0	496.8	99.4
p1 Cal 8-1000ng	8	✓	1000.0	962.3	96.2

AM #28 Multi-Drug Quant. Results



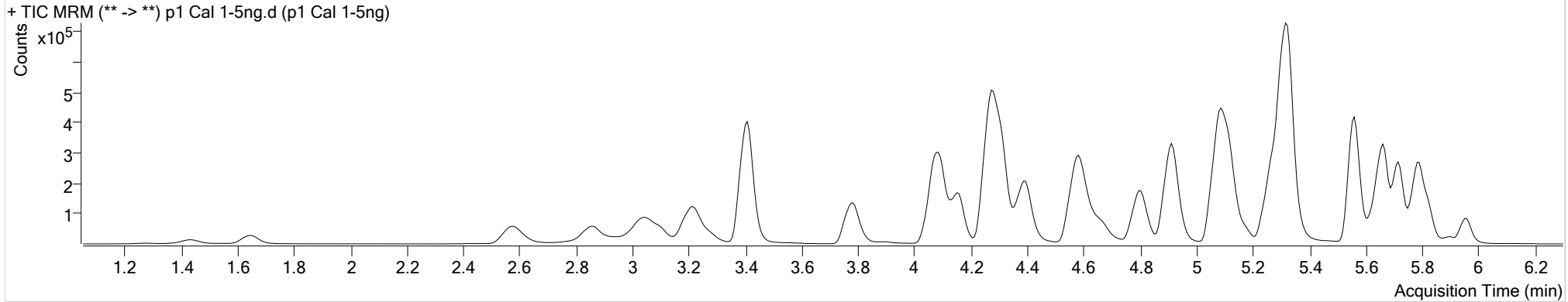
Batch results
Calibration Last Update

D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
10/24/2019 8:50:29 AM

Instrument Falco
Type Cal
Acq. Method MDQ P1 Combined 092319.m
Sample Position P2-A5
Injection Volume 2
Acq. Date-Time 10/23/2019 3:09:35 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	3.177	1100	5892.60	69.2	4137.73	38902	0.5235 ng/ml
7-aminoclonazepam	4.298	12967	87.53	81.3	12864.31	93994	4.7874 ng/ml
a-hydroxyalprazolam	5.707	878	101.28	77.2	∞	9471	5.3349 ng/ml
alpha-PVP	4.404	71335	191.64	49.9	1247.65	604313	5.3364 ng/ml
Alprazolam	5.784	26197	697.53	100.3	383.50	122137	5.3396 ng/ml
Amphetamine	3.101	87745	3063.60	55.2	∞	174493	4.7995 ng/ml
Benzoyllecgonine	3.927	1897	676.75	6.1	51.05	12205	5.0817 ng/ml
Buprenorphine	5.835	3530	101.89	17.2	33.85	207071	0.5175 ng/ml
Bupropion	4.820	79636	15593.62	57.9	256.11	510352	4.8838 ng/ml
Carisoprodol	5.733	16986	70709.83	51.3	102.31	166654	5.0452 ng/ml
Citalopram	5.262	56040	∞	40.6	747.27	487183	4.9137 ng/ml
Clonazepam	5.620	4426	416.91	33.7	38.72	15148	4.9505 ng/ml
Cocaine	4.304	63813	1368.86	45.2	5544.70	953796	5.2820 ng/ml
Codeine	2.630	6869	637.94	102.1	104.73	57669	4.3445 ng/ml
Cyclobenzaprine	5.637	40914	2548.79	9.9	∞	296054	4.9963 ng/ml
Dextromethorphan	5.306	32244	1325.72	79.2	425.05	292219	5.0037 ng/ml
Dextrorphan	4.160	17812	12163.12	206.4	1552.65	458839	5.1827 ng/ml
Diazepam	5.961	20302	396.32	86.6	1114.50	187444	5.0163 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Dihydrocodeine	2.608	18757	1007.15	66.2	1061.99	195472	4.8458 ng/ml
Diphenhydramine	5.327	121380	8180.86	32.6	2254.10	1791327	5.2878 ng/ml
Doxylamine	4.594	144296	1031.78	96.1	10324.07	1146222	4.9832 ng/ml
EDDP	5.298	48870	6186.43	43.5	51008.60	530047	5.0337 ng/ml
Fentanyl	5.127	4075	∞	74.5	8358.93	438134	0.5086 ng/ml
Fluoxetine	5.716	51692	3101.21	8.9	20405.74	426310	5.2354 ng/ml
Hydrocodone	3.072	16259	108.35	37.8	34.64	204579	4.9222 ng/ml
Hydromorphone	1.654	12823	∞	78.1	281.97	95142	4.9673 ng/ml
Ketamine	4.081	53252	3140.28	37.3	135.33	466825	4.9569 ng/ml
Lamotrigine	4.322	4980	890.46	82.4	4059.91	466825	4.7430 ng/ml
Lorazepam	5.755	1731	62.04	55.8	7.19 Low	15148	5.1318 ng/ml
Meprobamate	4.942	4026	412.12	25.9	32.69	38883	4.9082 ng/ml
Methadone	5.668	71425	2268.64	50.3	521.70	633520	5.2057 ng/ml
Methamphetamine	3.275	67230	557.88	42.7	400.59	493957	4.8274 ng/ml
Metoprolol	4.354	13876	∞	98.4	1141.75	1204351	4.7122 ng/ml
Mirtazapine	4.664	104795	42662.28	49.3	3496.58	604313	5.0087 ng/ml
Mitragynine	5.254	15489	19809.42	39.7	19728.36	633520	4.4849 ng/ml
Morphine	1.280	2507	∞	21.1	346.99	4830	4.9628 ng/ml
Nordiazepam	5.908	6011	6077.56	58.7	271.54	37102	4.9923 ng/ml
Norfentanyl	4.115	7629	630.76	40.5	140.64	714800	0.5068 ng/ml
Norhydrocodone	3.106	507	52.41	41.1	481.95	50621	6.3956 ng/ml
Noroxycodone	2.964	11967	456.09	47.1	642.89	66321	4.9404 ng/ml
O-desmethyl-tramadol	3.414	117978	1206.45	6.3	210.77	1246542	5.0407 ng/ml
Oxazepam	5.765	2065	12.45	73.0	72.54	23810	4.9922 ng/ml
Oxycodone	2.888	29423	2252.69	30.0	787.47	256680	5.0071 ng/ml
Oxymorphone	1.437	7636	∞	47.9	122.26	50514	4.9985 ng/ml
Phentermine	3.818	23006	463.09	2.4	54.31	496640	4.7731 ng/ml
Promethazine	5.562	97203	1754.55	30.7	812.65	835795	5.1520 ng/ml
Quetiapine	5.571	76190	1810.42	60.2	188614.05	191863	4.9064 ng/ml
Sertraline	5.791	31914	286.36	93.2	2789.80	279476	4.9834 ng/ml
Temazepam	5.825	22123	102.46	33.5	32.18	225491	5.1051 ng/ml
Tramadol	4.280	124944	3269.63	3.3	32.81	1204351	4.8984 ng/ml
Trazodone	5.174	73495	11590.95	78.0	131112.16	573809	5.0278 ng/ml
Venlafaxine	5.074	94041	2434.04	35.8	90.72	1008194	5.3574 ng/ml
Zolpidem	4.932	107571	339.79	30.4	2546.20	1006005	4.9847 ng/ml

AM #28 Multi-Drug Quant. Results



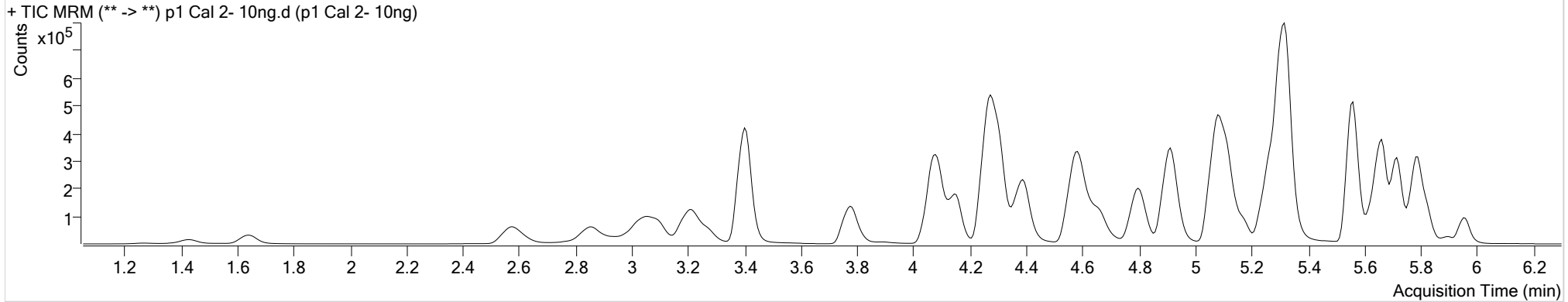
Batch results
Calibration Last Update

D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
10/24/2019 8:50:29 AM

Instrument Type Falco
Acq. Method MDQ P1 Combined 092319.m
Sample Position P2-B5
Injection Volume 2
Acq. Date-Time 10/23/2019 3:20:16 PM
Sample Info.

Data File p1 Cal 2- 10ng.d
Sample p1 Cal 2- 10ng
Operator
Comment

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.170	1894	7105.10	72.6	7229.91	38625	0.9377 ng/ml
7-aminoclonazepam	4.291	23586	6633.65	79.0	∞	92023	10.1944 ng/ml
a-hydroxyalprazolam	5.707	1768	∞	77.5	112.71	9536	10.1284 ng/ml
alpha-PVP	4.398	136389	24837.07	49.6	284.15	596984	10.1130 ng/ml
Alprazolam	5.784	47279	302.98	105.8	604.20	116538	10.0493 ng/ml
Amphetamine	3.095	165381	2671.89	55.1	5422.54	173363	10.3565 ng/ml
Benzoylcegonine	3.914	2927	42.62	7.7	92.46	11836	9.7837 ng/ml
Buprenorphine	5.835	6939	257.23	16.1	73.02	209902	0.9561 ng/ml
Bupropion	4.813	152665	673.67	58.9	421.51	506695	9.8858 ng/ml
Carisoprodol	5.733	32697	6043.66	52.9	52.13	162829	9.8962 ng/ml
Citalopram	5.256	108287	14007.73	41.8	∞	489223	9.8910 ng/ml
Clonazepam	5.620	7748	98.21	34.0	∞	14209	9.9344 ng/ml
Cocaine	4.298	118418	4190.36	45.9	10217.22	931342	10.0001 ng/ml
Codeine	2.630	12937	116.22	102.8	308.55	54138	9.9513 ng/ml
Cyclobenzaprine	5.637	87353	450.13	9.5	∞	317258	10.0517 ng/ml
Dextromethorphan	5.299	65605	3725.85	79.1	196.99	300538	9.9938 ng/ml
Dextrorphan	4.154	33307	110716.16	213.5	326.43	447705	10.0087 ng/ml
Diazepam	5.961	38090	679.96	87.0	4079.11	183141	9.8925 ng/ml

AM #28 Multi-Drug Quant. Results

§



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Dihydrocodeine	2.601	35229	93.62	65.7	3025.37	189919	10.2214 ng/ml
Diphenhydramine	5.327	238163	1119.45	33.3	647.28	1818350	10.0366 ng/ml
Doxylamine	4.594	279448	3943.14	96.9	15226.86	1123219	10.0647 ng/ml
EDDP	5.291	95681	∞	43.0	109.30	532642	9.9048 ng/ml
Fentanyl	5.120	8486	194.43	68.2	5686.30	463321	0.9880 ng/ml
Fluoxetine	5.716	107670	5586.62	9.2	149.62	454615	10.0596 ng/ml
Hydrocodone	3.065	30831	66.01	40.5	102.57	199334	10.1258 ng/ml
Hydromorphone	1.648	24949	824.67	76.0	498.22	92450	10.0391 ng/ml
Ketamine	4.074	100332	3286.16	38.3	2303.56	456534	10.0535 ng/ml
Lamotrigine	4.315	9597	602.98	79.1	808.35	456534	10.6334 ng/ml
Lorazepam	5.755	3063	53.52	48.8	8.45 Low	14209	9.7483 ng/ml
Meprobamate	4.935	7122	1248.60	26.9	59.19	36770	10.0753 ng/ml
Methadone	5.668	141671	22824.55	52.4	2058.22	645934	10.0404 ng/ml
Methamphetamine	3.269	121488	470.74	42.7	473.61	494461	10.2562 ng/ml
Metoprolol	4.354	26549	33303.81	95.7	1225.67	1164516	10.6061 ng/ml
Mirtazapine	4.664	204342	4198.37	49.3	2507.80	596984	9.9735 ng/ml
Mitragynine	5.254	30973	4724.27	39.0	∞	645934	9.8308 ng/ml
Morphine	1.273	4645	4415.55	20.7	496.28	4614	10.0342 ng/ml
Norbuprenorphine	5.030	144	174.28	94.6 High	10.69	6002	0.6587 ng/ml
Nordiazepam	5.908	11136	∞	55.9	424.35	35439	9.9229 ng/ml
Norfentanyl	4.115	14638	2008.83	40.5	138.34	708697	0.9807 ng/ml
Norhydrocodone	3.106	1157	57.55	29.0	140.94	49295	11.1288 ng/ml
Noroxycodone	2.957	22414	188.08	45.9	214.67	63700	10.1138 ng/ml
O-desmethyl-tramadol	3.408	220136	809.02	6.2	425.14	1209605	9.8857 ng/ml
Oxazepam	5.765	3731	14.64	80.9	5.09 Low	22683	9.9570 ng/ml
Oxycodone	2.881	54911	918.00	31.0	545.77	251766	9.8933 ng/ml
Oxymorphone	1.430	14383	522.04	47.1	172.48	50559	9.9401 ng/ml
Phentermine	3.812	43530	628.69	2.3	16.76	491400	10.3678 ng/ml
Promethazine	5.562	202235	8958.13	30.2	2471.25	896351	10.0657 ng/ml
Quetiapine	5.571	148502	544.38	59.5	444.88	195815	10.0874 ng/ml
Sertraline	5.791	66877	378.50	92.0	1562.54	288213	10.1113 ng/ml
Temazepam	5.825	38824	319.55	29.4	71.48	207726	9.7193 ng/ml
Tramadol	4.273	231207	699.94	3.3	32.73	1164516	10.2087 ng/ml
Trazodone	5.167	143717	139015.61	79.1	∞	589645	9.8664 ng/ml
Venlafaxine	5.074	175675	3707.93	37.4	767.65	985680	9.9790 ng/ml
Zolpidem	4.932	202360	∞	30.7	5297.78	982017	9.9410 ng/ml

AM #28 Multi-Drug Quant. Results



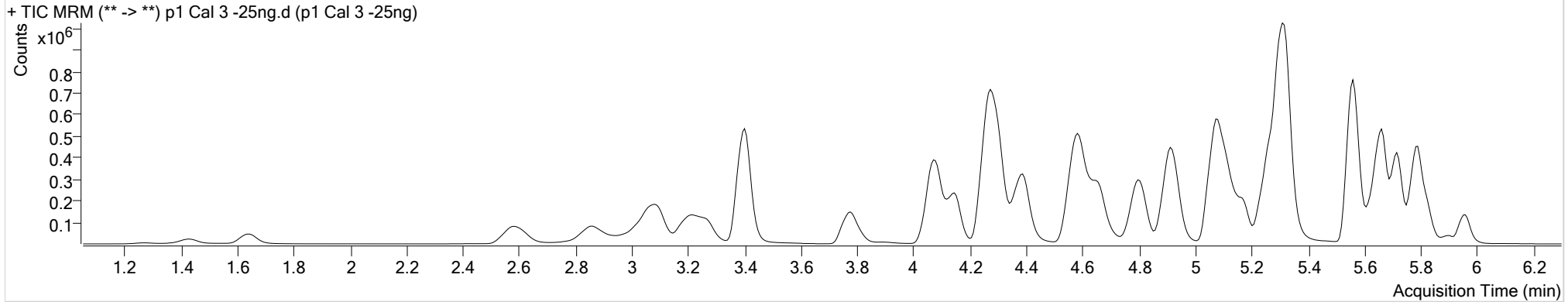
Batch results
Calibration Last Update

D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
10/24/2019 8:50:29 AM

Instrument Falco
Type Cal
Acq. Method MDQ P1 Combined 092319.m
Sample Position P2-C5
Injection Volume 2
Acq. Date-Time 10/23/2019 3:30:47 PM
Sample Info.

Data File p1 Cal 3 -25ng.d
Sample p1 Cal 3 -25ng
Operator
Comment

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.170	4805	∞	73.2	863.82	40063	2.3527 ng/ml
7-aminoclonazepam	4.285	60128	15037.70	79.2	175.71	94917	27.4263 ng/ml
a-hydroxyalprazolam	5.707	4452	∞	70.5	185.92	9789	24.0652 ng/ml
alpha-PVP	4.398	345844	14980.36	49.9	5875.32	611696	24.6879 ng/ml
Alprazolam	5.784	121899	719.17	104.9	1232.69	122231	24.6217 ng/ml
Amphetamine	3.095	402224	9970.17	55.1	6450.91	175846	26.7819 ng/ml
Benzoylcegonine	3.914	6057	1565.15	7.6	∞	11304	24.5508 ng/ml
Buprenorphine	5.842	18596	∞	17.3	188.61	220395	2.3617 ng/ml
Bupropion	4.813	386203	28196.86	58.5	7419.40	521468	25.0144 ng/ml
Carisoprodol	5.733	81867	∞	54.4	239.10	162991	24.6856 ng/ml
Citalopram	5.249	277275	8506.12	42.2	∞	511450	24.9092 ng/ml
Clonazepam	5.620	20995	1642.08	33.5	695.94	15312	26.1967 ng/ml
Cocaine	4.298	297530	88666.53	46.3	∞	956923	24.3929 ng/ml
Codeine	2.623	32693	1920.06	101.6	314.62	56782	25.7074 ng/ml
Cyclobenzaprine	5.637	224700	47290.90	9.5	1571.34	331595	24.8818 ng/ml
Dextromethorphan	5.299	169989	5145.93	79.6	9485.73	312382	25.0576 ng/ml
Dextrorphan	4.147	85040	15240.37	214.9	570.18	464885	24.7316 ng/ml
Diazepam	5.961	98711	375.76	87.8	896.77	190227	25.1032 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Dihydrocodeine	2.601	87962	398.49	67.0	148.74	194704	26.2085 ng/ml
Diphenhydramine	5.327	608848	9592.20	33.3	1073.37	1877553	24.5568 ng/ml
Doxylamine	4.588	713682	6140.04	96.1	2244.23	1184786	24.6834 ng/ml
EDDP	5.291	244508	6846.68	42.9	16764.00	548104	24.7500 ng/ml
Fentanyl	5.120	21575	583.94	70.7	∞	487536	2.3673 ng/ml
Fluoxetine	5.716	282154	765.80	8.7	69615.03	471348	25.1590 ng/ml
Hydrocodone	3.065	80249	524.31	39.1	27.92	207990	26.1231 ng/ml
Hydromorphone	1.648	61173	1401.81	75.2	874.67	90961	25.1562 ng/ml
Ketamine	4.074	252454	3245.07	38.3	2801.54	472616	25.2131 ng/ml
Lamotrigine	4.315	23527	807.70	81.5	∞	472616	26.9928 ng/ml
Lorazepam	5.755	8242	∞	52.3	61.76	15312	24.4596 ng/ml
Meprobamate	4.935	18727	2522.50	25.2	105.41	39861	25.9025 ng/ml
Methadone	5.668	367901	13973.96	52.3	1198.52	677592	24.7203 ng/ml
Methamphetamine	3.269	289769	499.58	42.4	1156.86	503641	26.5855 ng/ml
Metoprolol	4.346	67042	391870.84	96.7	12981.14	1223955	27.3188 ng/ml
Mirtazapine	4.657	528000	8251.60	49.1	22322.82	611696	25.2868 ng/ml
Mitragynine	5.247	79410	93553.03	38.5	19688.41	677592	25.5819 ng/ml
Morphine	1.273	11134	7492.92	20.8	1334.52	4490	25.3591 ng/ml
Norbuprenorphine	5.010	399	64.36	75.1	15.86	6607	2.5139 ng/ml
Nordiazepam	5.908	29454	3067.94	57.8	464.10	36895	25.6054 ng/ml
Norfentanyl	4.108	36622	526.61	38.3	2352.77	707588	2.4574 ng/ml
Norhydrocodone	3.106	2940	91.42	35.8	142.16	52583	22.5407 ng/ml
Noroxycodone	2.957	56719	390.83	47.9	22.57	65721	25.5399 ng/ml
O-desmethyl-tramadol	3.408	564653	17370.17	6.3	409.60	1255840	24.7310 ng/ml
Oxazepam	5.758	9357	90.22	74.5	20.51	22884	25.5625 ng/ml
Oxycodone	2.874	142811	2940.17	31.3	1045.46	262321	25.3017 ng/ml
Oxymorphone	1.430	35210	∞	47.4	210.71	52221	24.3889 ng/ml
Phentermine	3.812	108724	1616.16	2.4	95.93	507530	27.0000 ng/ml
Promethazine	5.562	519431	2625.31	30.5	1974.83	945761	24.6109 ng/ml
Quetiapine	5.571	375881	423.77	59.7	897361.31	202482	25.8337 ng/ml
Sertraline	5.791	171825	1692.75	89.9	7193.18	297517	25.1444 ng/ml
Temazepam	5.825	102716	1032.07	29.6	226.29	219094	24.3697 ng/ml
Tramadol	4.274	580366	1793.25	3.3	203.17	1223955	25.6485 ng/ml
Trazodone	5.167	375403	∞	78.1	∞	620316	24.9882 ng/ml
Venlafaxine	5.067	455746	749.23	36.2	551.08	1026783	24.4303 ng/ml
Zolpidem	4.932	520915	369.31	31.0	333.05	1010495	25.4114 ng/ml

AM #28 Multi-Drug Quant. Results



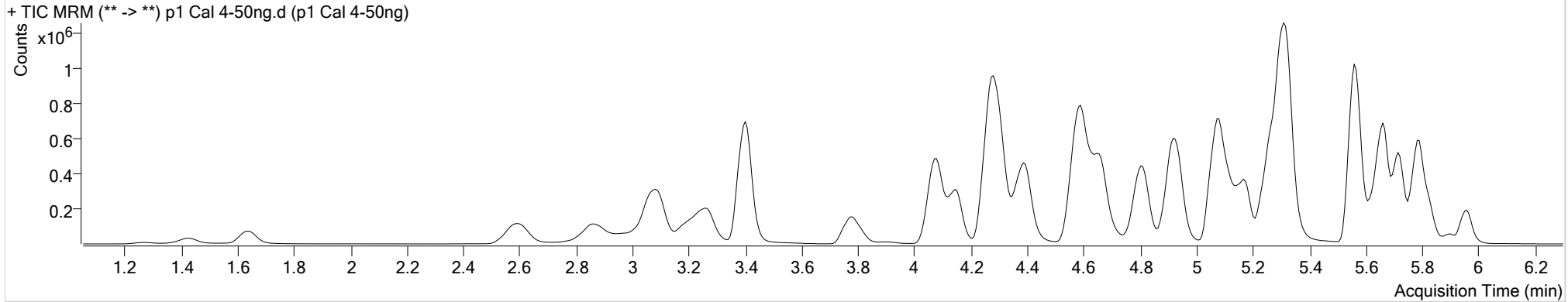
Batch results
Calibration Last Update

D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
10/24/2019 8:50:29 AM

Instrument Type Falco
Acq. Method MDQ P1 Combined 092319.m
Sample Position P2-D5
Injection Volume 2
Acq. Date-Time 10/23/2019 3:41:18 PM
Sample Info.

Data File p1 Cal 4-50ng.d
Sample p1 Cal 4-50ng
Operator
Comment

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.170	9569	45324.04	73.3	13411.84	39200	4.8306 ng/ml
7-aminoclonazepam	4.291	112623	19796.74	82.2	85304.43	89774	55.7991 ng/ml
a-hydroxyalprazolam	5.707	9254	155.72	66.1	174.89	9581	50.5111 ng/ml
alpha-PVP	4.398	677621	∞	49.9	2135.93	593985	49.5798 ng/ml
Alprazolam	5.784	238869	1917.28	104.7	3370.90	118431	49.7387 ng/ml
Amphetamine	3.095	751764	∞	54.8	7708.59	167592	53.8616 ng/ml
Benzoylcegonine	3.914	11935	1920.90	7.8	84.88	11714	49.2722 ng/ml
Buprenorphine	5.842	34007	∞	16.4	11304.08	194276	4.8452 ng/ml
Bupropion	4.813	745161	778.04	58.9	1947.09	494442	51.4092 ng/ml
Carisoprodol	5.733	160672	424.54	53.8	570.39	158586	49.7475 ng/ml
Citalopram	5.256	516859	11833.28	42.0	876.33	468340	51.1946 ng/ml
Clonazepam	5.620	40823	7977.07	32.9	21647.43	15713	50.3581 ng/ml
Cocaine	4.298	589004	27889.03	45.6	86944.05	926203	49.8465 ng/ml
Codeine	2.623	62151	11889.33	101.1	∞	53700	52.9166 ng/ml
Cyclobenzaprine	5.637	384981	27788.89	9.7	1802.71	282470	50.1436 ng/ml
Dextromethorphan	5.299	304169	186.00	79.2	86402.40	275777	50.8877 ng/ml
Dextrorphan	4.154	166502	1474.47	212.2	29707.40	450358	50.0695 ng/ml
Diazepam	5.961	190209	1004.50	89.3	2041.71	182301	50.7602 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Dihydrocodeine	2.601	176599	471.70	64.9	11394.72	190999	54.5973 ng/ml
Diphenhydramine	5.327	1115658	389.96	33.3	5939.14	1702163	49.4327 ng/ml
Doxylamine	4.588	1400710	37962.79	96.8	9338.33	1146165	50.3054 ng/ml
EDDP	5.291	477570	43959.51	43.0	126485.98	526166	50.4634 ng/ml
Fentanyl	5.120	39985	6907.73	70.2	59153.17	420679	5.0683 ng/ml
Fluoxetine	5.716	476098	15592.19	8.9	∞	401540	49.6617 ng/ml
Hydrocodone	3.065	154919	272.37	41.4	163.13	210622	50.3232 ng/ml
Hydromorphone	1.641	127713	1266.39	75.5	562.06	92254	51.8822 ng/ml
Ketamine	4.074	503952	3516.62	38.2	2466.99	461203	52.1445 ng/ml
Lamotrigine	4.315	44581	4252.57	81.4	8245.44	461203	53.6634 ng/ml
Lorazepam	5.755	16412	192.38	51.9	68.22	15713	47.5383 ng/ml
Meprobamate	4.935	36205	5993.20	25.6	177.11	38526	52.8375 ng/ml
Methadone	5.668	670011	1565.41	51.8	2667.81	606945	50.1654 ng/ml
Methamphetamine	3.269	553182	935.55	43.1	4096.52	490405	53.9618 ng/ml
Metoprolol	4.354	128095	276094.96	98.0	∞	1183892	55.2404 ng/ml
Mirtazapine	4.657	990392	5768.18	48.9	31800.62	593985	48.9291 ng/ml
Mitragynine	5.254	142878	10890.62	39.1	164402.40	606945	52.4716 ng/ml
Morphine	1.273	23772	2596.32	20.0	42.17	4713	52.0413 ng/ml
Norbuprenorphine	5.017	639	42.67	74.9	28.82	5857	4.9898 ng/ml
Nordiazepam	5.908	57099	5605.55	58.8	628.50	36581	50.3072 ng/ml
Norfentanyl	4.108	74291	349.18	36.8	329.13	702526	5.0209 ng/ml
Norhydrocodone	3.106	6416	135.08	34.1	80.37	53073	45.4029 ng/ml
Noroxycodone	2.950	110418	964.58	47.1	760.43	64826	50.8978 ng/ml
O-desmethyl-tramadol	3.401	1130844	44730.54	6.2	3230.72	1242541	50.2736 ng/ml
Oxazepam	5.758	17547	44.38	69.1	40.50	22363	49.5548 ng/ml
Oxycodone	2.874	283047	4233.08	31.2	3536.41	259883	51.0238 ng/ml
Oxymorphone	1.423	71779	2583.73	45.5	644.80	48760	53.9631 ng/ml
Phentermine	3.812	205961	∞	2.4	184.61	484081	54.9653 ng/ml
Promethazine	5.562	894033	32876.01	30.4	1821.04	801152	50.0835 ng/ml
Quetiapine	5.571	720065	914.82	59.2	1828.01	189906	53.5880 ng/ml
Sertraline	5.791	286491	10204.53	89.5	13536.42	247477	50.3866 ng/ml
Temazepam	5.825	201080	2654.52	30.1	228.05	210546	49.6369 ng/ml
Tramadol	4.274	1133436	1038.68	3.4	399.62	1183892	52.7161 ng/ml
Trazodone	5.167	689754	344.69	78.2	41192.09	567474	50.5216 ng/ml
Venlafaxine	5.074	899850	60795.80	35.8	510.80	982703	50.0996 ng/ml
Zolpidem	4.932	1024881	76784.11	30.9	26623.76	991300	51.3275 ng/ml

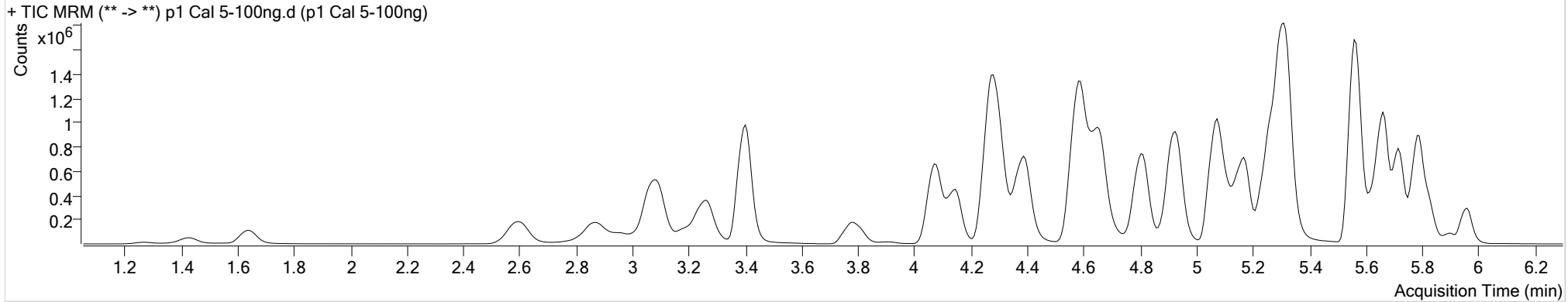
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
Calibration Last Update 10/24/2019 8:50:29 AM

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-E5 **Comment**
Injection Volume 2
Acq. Date-Time 10/23/2019 3:51:48 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.170	17828	∞	70.2	869.88	36845	9.6147 ng/ml
7-aminoclonazepam	4.285	192760	12683.12	82.1	20531.52	80773	107.5121 ng/ml
a-hydroxyalprazolam	5.707	17048	217.99	70.0	199.61	9211	96.2982 ng/ml
alpha-PVP	4.398	1281975	18222.05	50.4	8872.15	581682	95.5686 ng/ml
Alprazolam	5.784	439053	41121.67	104.4	4518.00	111809	96.7832 ng/ml
Amphetamine	3.088	1408364	∞	52.5	59449.63	162468	105.3883 ng/ml
Benzoylcegonine	3.914	21880	6307.35	7.9	206.05	11067	98.2988 ng/ml
Buprenorphine	5.842	65947	1536.64	16.4	358.63	186174	9.7533 ng/ml
Bupropion	4.813	1430888	48660.69	58.7	25257.03	491464	99.7726 ng/ml
Carisoprodol	5.733	280463	∞	54.4	3117.16	140802	97.7617 ng/ml
Citalopram	5.249	979587	13862.79	42.0	527.68	455511	100.2078 ng/ml
Clonazepam	5.620	76824	5111.27	31.8	60872.32	14112	106.3989 ng/ml
Cocaine	4.298	1095873	349966.71	45.7	∞	879410	97.6361 ng/ml
Codeine	2.623	114704	6535.72	101.7	4007.67	50869	104.2602 ng/ml
Cyclobenzaprine	5.637	748525	66913.35	9.8	2495.70	284070	97.0374 ng/ml
Dextromethorphan	5.299	586514	49722.09	79.8	23589.18	272327	99.4596 ng/ml
Dextrorphan	4.147	318391	1907.59	210.2	20709.54	441668	97.7080 ng/ml
Diazepam	5.961	354656	1858.04	88.3	5938.93	173759	99.5684 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Dihydrocodeine	2.595	325414	185.05	65.3	11891.79	186902	103.6188 ng/ml
Diphenhydramine	5.320	2142546	77371.03	33.3	∞	1657640	97.2896 ng/ml
Doxylamine	4.588	2685670	3403.04	97.2	8837.93	1124061	98.5622 ng/ml
EDDP	5.291	931654	899.61	43.3	40775.32	529474	97.9267 ng/ml
Fentanyl	5.120	79181	3380.27	72.9	3922.62	445463	9.4657 ng/ml
Fluoxetine	5.716	939269	∞	8.8	∞	408315	96.1853 ng/ml
Hydrocodone	3.058	290513	93.28	41.5	∞	200061	99.9128 ng/ml
Hydromorphone	1.641	222360	2210.73	77.7	942.61	83964	99.3359 ng/ml
Ketamine	4.074	947014	46511.09	38.5	906.61	453230	100.2083 ng/ml
Lamotrigine	4.308	80084	1766.64	79.9	19236.38	453230	99.1922 ng/ml
Lorazepam	5.755	27833	454.85	57.2	49.37	14112	89.8326 ng/ml
Meprobamate	4.935	66858	19759.07	25.3	638.45	36503	103.9546 ng/ml
Methadone	5.668	1305451	37097.82	52.3	44126.39	615352	96.3226 ng/ml
Methamphetamine	3.262	1037634	3864.21	43.0	2516.33	485555	103.9427 ng/ml
Metoprolol	4.346	231153	494985.66	96.9	8961.38	1163724	102.5059 ng/ml
Mirtazapine	4.657	1951284	95160.24	48.9	38374.65	581682	98.5302 ng/ml
Mitragynine	5.247	279270	404017.71	39.3	20530.31	615352	102.1588 ng/ml
Morphine	1.266	40855	12144.45	20.0	495.12	4314	98.0818 ng/ml
Norbuprenorphine	5.024	1278	90.06	79.8	25.99	6290	9.7639 ng/ml
Nordiazepam	5.901	107339	33722.16	57.3	1192.70	34758	99.7845 ng/ml
Norfentanyl	4.108	136324	305.69	37.7	2832.58	661556	9.7841 ng/ml
Norhydrocodone	3.106	12339	∞	35.4	53.56	51429	87.2826 ng/ml
Noroxycodone	2.950	207104	2044.20	48.3	223.77	61520	101.0908 ng/ml
O-desmethyl-tramadol	3.401	2128878	76563.69	6.2	513.03	1202069	98.0271 ng/ml
Oxazepam	5.758	34095	127.12	68.9	73.59	21460	100.9029 ng/ml
Oxycodone	2.874	539029	2025.10	31.6	1734.37	256090	98.9866 ng/ml
Oxymorphone	1.423	128674	∞	47.4	802.76	46673	101.5916 ng/ml
Phentermine	3.805	376284	3012.91	2.4	1022.00	468496	104.9669 ng/ml
Promethazine	5.562	1783253	3842.41	30.9	59637.27	824980	97.0828 ng/ml
Quetiapine	5.571	1353889	11113.24	60.1	∞	188393	102.2732 ng/ml
Sertraline	5.791	530090	25701.72	91.6	27526.38	235439	97.9824 ng/ml
Temazepam	5.825	372351	2274.85	30.1	∞	202561	95.5322 ng/ml
Tramadol	4.274	2099275	92820.16	3.3	∞	1163724	100.1367 ng/ml
Trazodone	5.167	1400593	176399.86	77.7	788.76	581647	100.4124 ng/ml
Venlafaxine	5.067	1719016	33046.51	36.3	∞	975177	96.1841 ng/ml
Zolpidem	4.932	1962701	95615.46	30.5	64238.58	973821	100.4021 ng/ml

AM #28 Multi-Drug Quant. Results



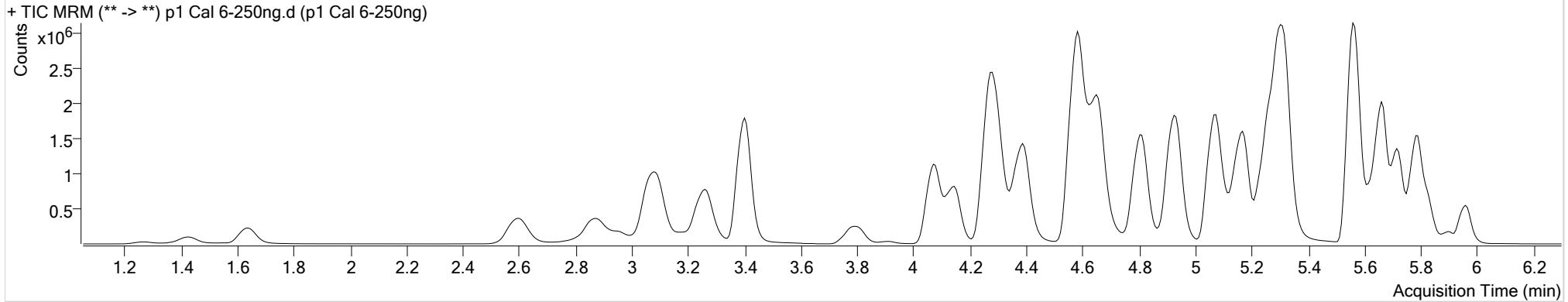
Batch results
Calibration Last Update

D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
10/24/2019 8:50:29 AM

Instrument Type Falco
Acq. Method MDQ P1 Combined 092319.m
Sample Position P2-F5
Injection Volume 2
Acq. Date-Time 10/23/2019 4:02:18 PM
Sample Info.

Data File p1 Cal 6-250ng.d
Sample p1 Cal 6-250ng
Operator
Comment

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.170	42183	1314266.15	70.3	∞	32812	25.6138 ng/ml
7-aminoclonazepam	4.285	340861	29854.19	83.4	29716.87	63283	244.5662 ng/ml
a-hydroxyalprazolam	5.707	38178	865.71	69.9	1578.76	7817	253.2284 ng/ml
alpha-PVP	4.391	2966001	78109.78	50.1	111099.09	524557	244.8281 ng/ml
Alprazolam	5.784	932410	∞	106.1	2377.88	95022	241.7657 ng/ml
Amphetamine	3.088	2831654	1284.57	53.0	47928.23	144882	239.3643 ng/ml
Benzoylcegonine	3.914	53540	790.78	7.6	514.35	10895	248.6157 ng/ml
Buprenorphine	5.842	147678	2200.35	16.6	3257.27	144740	27.9982 ng/ml
Bupropion	4.813	3316394	154045.50	58.8	53528.16	451587	252.4101 ng/ml
Carisoprodol	5.733	570215	86953.41	52.5	2865.03	111090	251.8504 ng/ml
Citalopram	5.249	2071533	458200.99	42.1	26964.59	388075	249.4316 ng/ml
Clonazepam	5.620	166298	697.61	33.0	110063.56	12749	256.0657 ng/ml
Cocaine	4.298	2404128	∞	45.4	165271.11	758118	248.3981 ng/ml
Codeine	2.617	250449	619.88	100.1	297.65	45765	254.7861 ng/ml
Cyclobenzaprine	5.637	1623199	392.10	9.7	14722.23	237790	251.5393 ng/ml
Dextromethorphan	5.299	1227482	1208.87	79.2	106950.90	230580	245.9831 ng/ml
Dextrorphan	4.147	731092	21784.06	210.4	56386.11	398219	248.9657 ng/ml
Diazepam	5.961	775238	10566.49	88.4	1153.11	151269	250.4303 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Dihydrocodeine	2.595	729503	17335.90	65.6	37392.78	171830	253.9823 ng/ml
Diphenhydramine	5.320	4557594	336994.13	33.3	37631.32	1382438	247.8444 ng/ml
Doxylamine	4.581	6505927	195023.75	96.5	11376.05	1058511	253.8974 ng/ml
EDDP	5.284	2302499	281077.70	42.7	8374.96	511661	250.6027 ng/ml
Fentanyl	5.120	187422	104919.54	72.1	∞	395283	25.2262 ng/ml
Fluoxetine	5.716	2000484	44157.01	8.8	23120.11	338431	246.8866 ng/ml
Hydrocodone	3.058	675587	129.13	40.2	161.51	186144	250.5847 ng/ml
Hydromorphone	1.641	528860	7231.22	75.5	2472.46	79149	250.7747 ng/ml
Ketamine	4.074	2187481	106568.01	38.5	11795.03	416019	252.9963 ng/ml
Lamotrigine	4.308	155121	42106.45	79.6	∞	416019	210.7895 ng/ml
Lorazepam	5.755	67895	1179.98	53.7	126.79	12749	242.7012 ng/ml
Meprobamate	4.929	146130	257.70	25.0	1569.60	32319	258.1364 ng/ml
Methadone	5.668	2936210	186942.04	51.7	57453.35	536851	248.1828 ng/ml
Methamphetamine	3.262	2351665	1212.57	42.9	11992.24	455977	253.5597 ng/ml
Metoprolol	4.346	470922	∞	97.0	∞	1061083	230.6500 ng/ml
Mirtazapine	4.657	4482675	15114.64	48.5	18164.64	524557	251.1415 ng/ml
Mitragynine	5.247	614270	20110.46	38.8	299702.95	536851	259.1992 ng/ml
Morphine	1.266	90403	2450.25	20.5	1299.98	3771	248.9891 ng/ml
Norbuprenorphine	5.017	2989	172.83	83.6	293.62	5944	25.0033 ng/ml
Nordiazepam	5.901	243755	9024.00	57.7	1581.98	31056	254.0102 ng/ml
Norfentanyl	4.108	310423	1136.90	37.8	831.61	590871	24.9444 ng/ml
Norhydrocodone	3.106	29371	345.99	33.9	∞	45953	227.7430 ng/ml
Noroxycodone	2.950	454775	2103.72	49.0	434.71	55432	247.0900 ng/ml
O-desmethyl-tramadol	3.401	4999905	∞	6.2	1281.46	1110849	249.4557 ng/ml
Oxazepam	5.758	79583	1051.40	69.4	77.74	20706	244.8753 ng/ml
Oxycodone	2.868	1290355	5667.07	31.1	4035.91	242566	250.7898 ng/ml
Oxymorphone	1.423	290559	671.63	48.7	∞	43821	245.1840 ng/ml
Phentermine	3.805	795519	∞	2.3	1085.72	418282	250.4149 ng/ml
Promethazine	5.556	3971930	17814.15	30.3	109019.72	711516	250.8395 ng/ml
Quetiapine	5.571	2887453	∞	59.2	58056.47	164380	251.1218 ng/ml
Sertraline	5.791	1036936	3899.13	90.8	7242.93	178776	252.3937 ng/ml
Temazepam	5.825	852499	1513.57	29.6	1323.35	171781	257.9015 ng/ml
Tramadol	4.267	4636774	231605.27	3.5	∞	1061083	243.8706 ng/ml
Trazodone	5.167	3240061	∞	78.9	∞	542251	249.6557 ng/ml
Venlafaxine	5.067	4022003	45723.24	36.1	4807.61	889100	246.3873 ng/ml
Zolpidem	4.932	4547227	240081.37	30.8	41041.36	902586	251.5141 ng/ml

AM #28 Multi-Drug Quant. Results



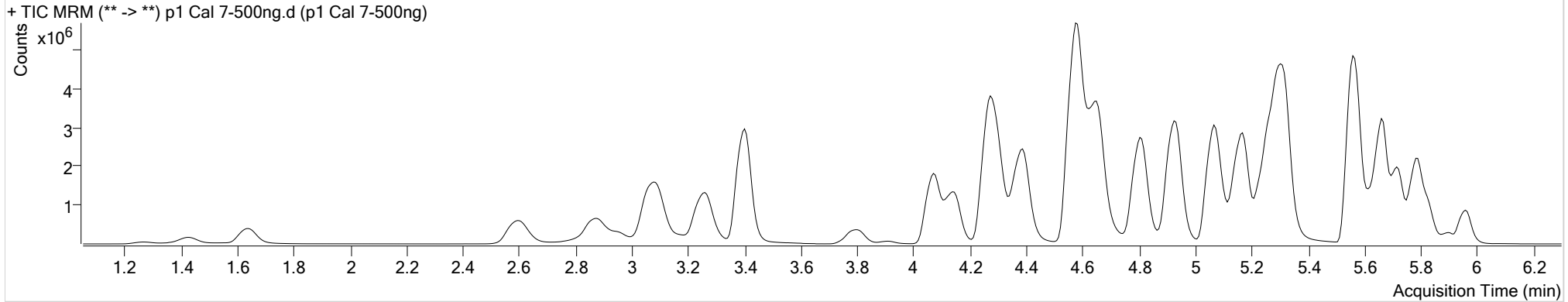
Batch results
Calibration Last Update

D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
10/24/2019 8:50:29 AM

Instrument Falco
Type Cal
Acq. Method MDQ P1 Combined 092319.m
Sample Position P2-G5
Injection Volume 2
Acq. Date-Time 10/23/2019 4:12:49 PM
Sample Info.

Data File p1 Cal 7-500ng.d
Sample p1 Cal 7-500ng
Operator
Comment

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.170	77253	252942.47	71.1	11888.21	30066	51.2328 ng/ml
7-aminoclonazepam	4.285	478366	28527.04	81.9	48658.52	46459	468.8958 ng/ml
a-hydroxyalprazolam	5.700	70071	189.90	70.1	469.22	7705	471.0285 ng/ml
alpha-PVP	4.391	5454111	2026.66	50.1	67997.65	474539	497.4249 ng/ml
Alprazolam	5.784	1565720	1704.23	104.6	∞	77003	500.9175 ng/ml
Amphetamine	3.088	4464501	103795.97	52.8	∞	129801	422.2972 ng/ml
Benzoylcegonine	3.907	114609	15563.38	7.7	1203.07	11241	518.8769 ng/ml
Buprenorphine	5.848	255881	19446.72	16.2	3633.10	109780	63.8963 ng/ml
Bupropion	4.807	6113392	∞	58.5	2506.36	419036	501.9166 ng/ml
Carisoprodol	5.733	843672	62231.53	53.7	505.71	83116	498.0007 ng/ml
Citalopram	5.243	3361662	88593.89	41.7	17817.03	309129	508.6368 ng/ml
Clonazepam	5.614	279757	13073.22	33.6	11294.20	11385	483.0842 ng/ml
Cocaine	4.298	4152258	76688.11	45.3	95874.11	654974	496.5362 ng/ml
Codeine	2.623	424299	508.32	100.7	23393.88	39637	499.5551 ng/ml
Cyclobenzaprine	5.631	2600081	1365.60	9.7	28486.13	188889	507.3331 ng/ml
Dextromethorphan	5.292	1916699	45887.19	78.8	65015.55	177992	497.6816 ng/ml
Dextrorphan	4.147	1327133	57232.97	211.3	3871.29	363159	495.6542 ng/ml
Diazepam	5.961	1334184	34678.83	88.1	3422.53	130713	499.0462 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Dihydrocodeine	2.595	1300099	103540.07	66.0	48143.12	165547	470.5955 ng/ml
Diphenhydramine	5.320	7362021	567178.43	33.1	465.57	1110884	498.0161 ng/ml
Doxylamine	4.574	12562351	10206.89	96.0	187486.68	1028581	504.7370 ng/ml
EDDP	5.284	4356363	68192.24	42.9	45218.01	487423	497.8237 ng/ml
Fentanyl	5.113	331695	1312451.67	73.7	3580.66	349886	50.4233 ng/ml
Fluoxetine	5.716	3158877	42150.32	8.8	12863.97	268524	491.1661 ng/ml
Hydrocodone	3.058	1258318	∞	40.6	156.86	178222	488.0212 ng/ml
Hydromorphone	1.641	991263	1993.24	72.8	11919.30	74019	502.7060 ng/ml
Ketamine	4.074	4019967	1526.64	38.1	7360.54	393135	492.5116 ng/ml
Lamotrigine	4.308	216927	18046.08	80.9	58110.88	393135	312.5701 ng/ml
Lorazepam	5.748	128128	∞	55.2	715.03	11385	512.9634 ng/ml
Meprobamate	4.929	240067	16120.70	25.3	4109.37	28387	483.7001 ng/ml
Methadone	5.668	5120585	3993.90	51.2	1388.39	463348	501.3826 ng/ml
Methamphetamine	3.262	4194473	2974.21	42.6	∞	432882	478.0651 ng/ml
Metoprolol	4.346	745176	148133.16	96.3	∞	911733	425.8640 ng/ml
Mirtazapine	4.657	8042895	18676.41	48.9	152998.86	474539	498.1856 ng/ml
Mitragynine	5.247	1025907	28077.47	39.5	2553847.06	463348	502.5732 ng/ml
Morphine	1.266	163465	5856.62	20.4	3124.46	3434	494.8265 ng/ml
Norbuprenorphine	5.010	5464	754.19	79.3	109.20	5310	51.7295 ng/ml
Nordiazepam	5.908	427570	12352.77	58.2	1435.04	28246	490.1101 ng/ml
Norfentanyl	4.108	544445	50713.87	37.4	799.46	515701	50.1267 ng/ml
Norhydrocodone	3.106	52664	308.85	37.4	377.35	39243	475.0207 ng/ml
Noroxycodone	2.950	822808	486.84	47.7	568.55	49726	498.8597 ng/ml
O-desmethyl-tramadol	3.401	9363422	300831.54	6.1	2183.93	1026755	505.6371 ng/ml
Oxazepam	5.758	151761	1289.29	72.0	630.52	19210	503.9001 ng/ml
Oxycodone	2.874	2499680	15521.72	31.0	3269.01	236819	498.0198 ng/ml
Oxymorphone	1.423	529567	∞	47.5	∞	38593	508.0421 ng/ml
Phentermine	3.805	1339319	2510.21	2.3	2228.78	380577	464.5186 ng/ml
Promethazine	5.556	6671670	2225.84	30.0	1126.37	598981	500.5712 ng/ml
Quetiapine	5.571	4809264	2859.07	59.7	4356.77	140567	489.8626 ng/ml
Sertraline	5.791	1467705	13427.40	91.3	596823.53	130260	490.2904 ng/ml
Temazepam	5.825	1511286	49542.78	29.7	1252.07	153323	512.2336 ng/ml
Tramadol	4.267	8113502	54951.59	3.4	376.87	911733	497.5771 ng/ml
Trazodone	5.167	5942594	114467.87	77.4	625213.00	494784	502.1553 ng/ml
Venlafaxine	5.067	7410209	42729.87	35.8	3565.46	812482	496.4687 ng/ml
Zolpidem	4.932	8523368	268576.37	30.3	73308.44	857174	496.7684 ng/ml

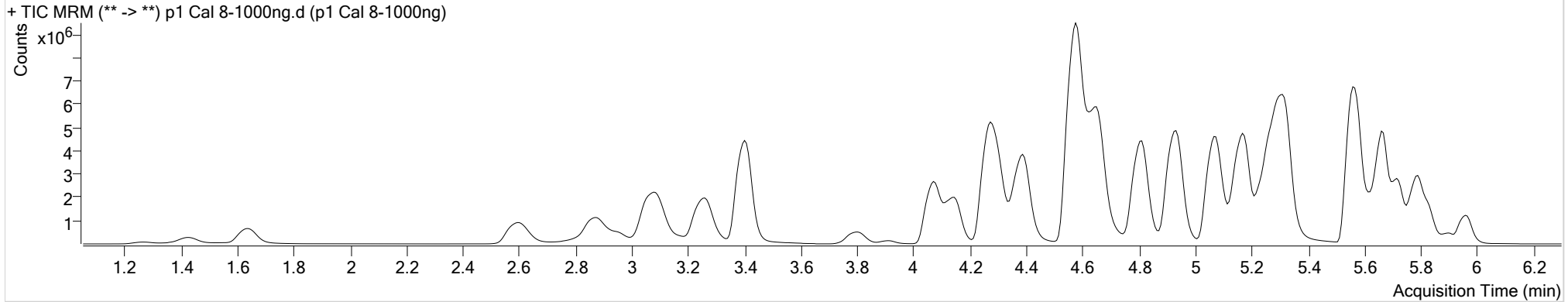
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2019\AM 28\102219 MDQ THCQ SP\QuantResults\MDQ.batch.bin
Calibration Last Update 10/24/2019 8:50:29 AM

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-H5 **Comment**
Injection Volume 2
Acq. Date-Time 10/23/2019 4:23:19 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.170	136735	344835.67	70.7	239584.49	24855	109.7399 ng/ml
7-aminoclonazepam	4.291	512928	21418.46	84.8	∞	28564	818.8734 ng/ml
a-hydroxyalprazolam	5.707	118609	613.62	69.4	458.20	5964	1029.4053 ng/ml
alpha-PVP	4.391	9120062	694402.47	49.9	174678.11	389756	1012.4613 ng/ml
Alprazolam	5.784	2327932	∞	103.7	∞	56734	1010.7844 ng/ml
Amphetamine	3.088	6301557	49162.35	52.9	173309.59	110231	702.8099 ng/ml
Benzoylcegonine	3.907	239075	1087.62	7.6	3802.85	11930	1022.6134 ng/ml
Buprenorphine	5.848	420544	∞	16.1	35847.64	73059	157.7237 ng/ml
Bupropion	4.813	10446910	406899.09	58.2	112021.51	361495	994.7075 ng/ml
Carisoprodol	5.733	1113279	83817.35	53.2	19898.10	52620	1037.9528 ng/ml
Citalopram	5.243	4763618	258631.29	41.9	36937.49	224974	990.8152 ng/ml
Clonazepam	5.614	396719	3044.12	33.9	10931.58	8606	907.0022 ng/ml
Cocaine	4.298	6346613	275947.78	45.0	68977.74	493166	1007.9080 ng/ml
Codeine	2.623	674396	354.99	100.3	24836.00	31877	988.4789 ng/ml
Cyclobenzaprine	5.631	3857133	95079.48	9.6	537.93	141293	1006.2341 ng/ml
Dextromethorphan	5.299	2688735	178561.22	79.3	∞	123543	1005.9329 ng/ml
Dextrorphan	4.147	2163992	12841.93	211.4	29820.92	291294	1007.6795 ng/ml
Diazepam	5.961	2037382	7117.25	88.0	14741.24	100378	992.6563 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Dihydrocodeine	2.595	2118210	94735.27	66.4	25536.49	145174	875.1136 ng/ml
Diphenhydramine	5.327	10811605	438884.68	32.9	33250.39	806227	1007.5359 ng/ml
Doxylamine	4.574	21676808	253652.58	97.0	7082.03	902557	992.7666 ng/ml
EDDP	5.284	7637616	90371.54	42.4	45094.74	414603	1026.1929 ng/ml
Fentanyl	5.120	616652	15834.03	73.2	4690.30	306476	107.0033 ng/ml
Fluoxetine	5.716	4708714	71291.03	8.7	14267.04	193535	1015.6464 ng/ml
Hydrocodone	3.052	2202879	208.73	40.5	193.87	156409	974.0808 ng/ml
Hydromorphone	1.641	1684964	1886.32	76.0	1540.14	66107	956.8668 ng/ml
Ketamine	4.074	6622183	185682.76	38.1	5951.50	334950	952.7721 ng/ml
Lamotrigine	4.315	250506	27659.86	79.0	40287.28	334950	424.1277 ng/ml
Lorazepam	5.748	221749	2178.94	53.4	1939.60	8606	1174.5976 ng/ml
Meprobamate	4.935	345910	43298.98	25.5	3353.96	22543	878.4786 ng/ml
Methadone	5.668	8307253	699189.98	51.2	3698.26	375361	1003.9802 ng/ml
Methamphetamine	3.262	6578197	57665.12	42.7	57562.47	379622	856.4473 ng/ml
Metoprolol	4.346	1029149	560653.66	97.4	14451.81	744135	721.5263 ng/ml
Mirtazapine	4.650	13585290	∞	48.6	120407.89	389756	1024.6298 ng/ml
Mitragynine	5.247	1625022	77928.23	39.9	38282.20	375361	983.6996 ng/ml
Morphine	1.266	279464	∞	21.8	154.53	2958	982.3989 ng/ml
Norbuprenorphine	5.017	10628	773.55	77.7	588.65	5451	98.5385 ng/ml
Nordiazepam	5.908	698844	16592.56	58.5	20551.12	22983	984.7877 ng/ml
Norfentanyl	4.108	848028	74810.16	37.5	5656.31	387201	103.9889 ng/ml
Norhydrocodone	3.106	91402	236.15	38.9	943.63	30291	1064.4857 ng/ml
Noroxycodone	2.943	1353144	1715.31	46.7	965.03	42339	963.9938 ng/ml
O-desmethyl-tramadol	3.401	15709084	190658.77	6.1	43367.70	854769	1019.2091 ng/ml
Oxazepam	5.758	265549	390.06	71.5	274.78	17016	995.9307 ng/ml
Oxycodone	2.868	4566100	11688.90	31.1	∞	218223	987.6426 ng/ml
Oxymorphone	1.423	922282	∞	46.6	486.15	36395	938.7452 ng/ml
Phentermine	3.805	2066447	∞	2.2	∞	321731	848.9210 ng/ml
Promethazine	5.556	10658540	395139.42	30.0	7265.46	478281	1001.5944 ng/ml
Quetiapine	5.578	6871157	88645.24	60.0	156128.13	109643	897.9368 ng/ml
Sertraline	5.791	1946030	75605.57	90.7	1636.16	83946	1008.7078 ng/ml
Temazepam	5.825	2460462	24521.78	29.7	8295.91	124364	1028.1312 ng/ml
Tramadol	4.267	12594731	∞	3.4	2571.21	744135	947.1845 ng/ml
Trazodone	5.167	10198355	331947.86	78.2	∞	430495	990.7878 ng/ml
Venlafaxine	5.067	12436651	168950.63	35.4	5694.69	669362	1011.0937 ng/ml
Zolpidem	4.932	14280053	∞	30.1	90823.42	741591	962.3433 ng/ml