

















Worklist: 3675

<u>LAB_CASE</u>	<u>ITEM</u>	<u>TASK_ID</u>	<u>DESCRIPTION</u>	
M2019-3274	2	163130	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2019-3276	1	163131	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2019-3277	1	163132	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2019-3279	1	163133	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2019-3280	1	163134	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2019-3358	1	163135	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2019-3530	2	163136	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2019-2194	1	163146	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2019-2441	1	163137	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2019-2444	1	163138	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2019-2445	1	163139	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2019-2450	1	163140	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2019-2464	1	163141	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2019-2478	1	163142	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2019-2479	1	163143	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2019-2480	1	163144	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2019-2488	1	163145	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	

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

Extraction Date: 9/11/19 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: 445283-2 **Column:** Agilent 120 EC-C18 (2.1x 100-4um)
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\091119 MDQ 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:** benzoylcegonine 10-1000, buprenorphine 2.5-100, lamotrigine 5-500, lorazepam 25-1000, mirtazapine 5-100, oxazepam 25-1000, phentermine 10-1000

Did Not Evaluate: norbuprenorphine, norhydrocodone

Negative reinjected due to carryover from previous sample. Oxazepam reported qualitatively.

AM #28 Multi-Drug Quant. Results



Batch results

Calibration Last Update

D:\MassHunter\Data\2019\AM 28\091119 MDQ SP\QuantResults\MDQ.batch.bin
9/12/2019 10:10:17 AM

Instrument

Type

Acq. Method

Sample Position

Injection Volume

Acq. Date-Time

Sample Info.

Falco
QC
MDQ P1 Combined 082219.m
P1-A6
1
9/11/2019 12:56:31 PM

Data File

Sample

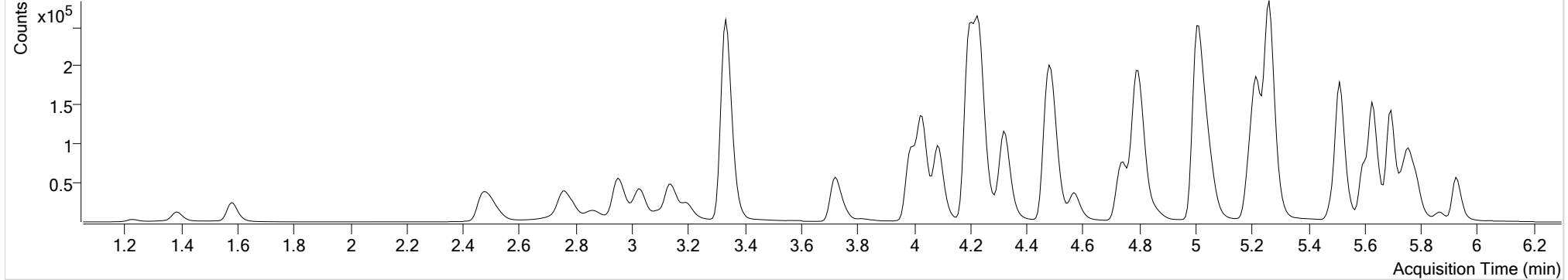
Operator

Comment

p1 QC 10.d
p1 QC 10

Sample Chromatogram

+ TIC MRM (** -> **) p1 QC 10.d (p1 QC 10)



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.103	951	4082.09	77.7	1318.21	22359	0.9909 ng/ml
7-aminoclonazepam	4.224	12341	288.76	78.4	114.12	51818	10.4823 ng/ml
a-hydroxyalprazolam	5.666	711	42.52	78.5	∞	4533	7.6305 ng/ml
alpha-PVP	4.330	52018	564.01	47.0	795.02	226497	10.1686 ng/ml
Alprazolam	5.742	22864	760.38	110.9	299.18	72414	10.7055 ng/ml
Amphetamine	3.034	62395	536.07	56.3	672.32	68499	10.3920 ng/ml
Benzoyllecgonine	3.840	1969	32.41	6.1	20.81	6393	11.4323 ng/ml
Buprenorphine	5.705	757	66.19	16.6	563.05	22882	0.2981 ng/ml outside curve range
Bupropion	4.752	48671	6550.53	57.6	147.65	165708	10.3772 ng/ml
Carisoprodol	5.698	16371	314.83	51.9	251.83	76859	10.3677 ng/ml
Citalopram	5.195	34428	1701.71	44.4	247.49	160551	9.9216 ng/ml
Clonazepam	5.579	2345	123.45	38.2	385.57	4145	9.6759 ng/ml
Cocaine	4.230	51493	9836.37	43.3	3070.16	415995	9.9610 ng/ml
Codeine	2.529	6501	561.59	108.5	265.60	29762	10.4111 ng/ml
Cyclobenzaprine	5.603	28312	65583.88	12.7	414.54	123981	10.3556 ng/ml
Dextromethorphan	5.231	21602	1045.96	83.3	74573.11	94058	9.6920 ng/ml
Dextrorphan	4.093	15687	710.64	200.4	12174.24	188703	10.6401 ng/ml
Diazepam	5.934	18877	1085.43	89.2	693.69	86186	10.3181 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
Dihydrocodeine	2.508	16763	397.32	68.0	591.30	96317	10.0265 ng/ml	
Diphenhydramine	5.265	84997	5837.28	32.0	2100.22	560421	10.0347 ng/ml	
Doxylamine	4.494	104705	343.82	99.4	4939.34	457791	10.1753 ng/ml	
EDDP	5.216	39483	1190.17	40.9	4708.77	210375	10.0371 ng/ml	
Fentanyl	5.052	2828	1046.21	77.0	6576.19	144264	0.9666 ng/ml	
Fluoxetine	5.695	41909	1500.88	8.3	∞	157755	10.3521 ng/ml	
Hydrocodone	2.978	15439	145.82	36.4	90.52	94894	10.1007 ng/ml	
Hydromorphone	1.587	12386	281.92	80.6	170.30	48328	9.4480 ng/ml	
Ketamine	4.006	47336	5334.91	36.6	516.75	204060	10.5743 ng/ml	
Lamotrigine	4.261	4856	549.97	82.1	2215.74	204060	8.6513 ng/ml	
Lorazepam	5.720	780	14.86	83.3 High	2.92 Low	4145	10.1952 ng/ml	outside curve range
Meprobamate	4.881	3596	523.08	28.9	45.79	19040	9.7615 ng/ml	
Methadone	5.634	49097	4043.49	53.1	215.89	228850	10.1089 ng/ml	
Methamphetamine	3.202	38083	272.04	45.0	203.48	131512	6.9063 ng/ml	
Metoprolol	4.292	11840	∞	93.0	1461.14	529530	13.4690 ng/ml	
Mirtazapine	4.569	59430	∞	49.9	4638.13	226497	22.3206 ng/ml	
Mitragynine	5.173	8369	3638.68	38.3	14856.55	228850	12.0702 ng/ml	
Morphine	1.233	3107	851.65	20.5	421.21	4155	9.5669 ng/ml	
Nordiazepam	5.874	4057	10741.95	60.0	860.99	13189	9.9569 ng/ml	
Norfentanyl	4.054	6614	1118.70	40.3	45.22	307612	0.9897 ng/ml	
Norhydrocodone	3.032	544	37.69	25.5	69.69	24301	11.8025 ng/ml	did not evaluate
Noroxycodone	2.876	9864	171.34	47.6	237.24	30611	10.0810 ng/ml	
O-desmethyl-tramadol	3.341	117440	1487.06	6.2	583.54	590340	10.3036 ng/ml	
Oxazepam	5.730	905	17.15	84.6	4.88 Low	5921	9.9323 ng/ml	outside curve range
Oxycodone	2.787	30183	1171.10	29.3	379.98	132525	10.6186 ng/ml	
Oxymorphone	1.390	7586	187.08	47.2	141.49	27458	10.4119 ng/ml	
Phentermine	3.758	15278	55.00	3.0	23.93	160122	10.1077 ng/ml	
Promethazine	5.513	57040	1895.67	30.0	285.57	244055	10.9084 ng/ml	
Quetiapine	5.510	52809	1305.41	54.2	75818.17	71100	9.6818 ng/ml	
Sertraline	5.763	20447	206.90	96.7	303.74	88240	9.7992 ng/ml	
Temazepam	5.791	11192	269.17	30.6	27.34	58451	10.2101 ng/ml	
Tramadol	4.212	110334	1253.91	3.4	233.40	529530	10.8156 ng/ml	
Trazodone	5.051	47306	8813.48	74.6	103712.91	193601	10.2949 ng/ml	
Venlafaxine	5.007	77023	625.97	35.6	392.82	379306	10.2863 ng/ml	
Zolpidem	4.810	99202	680.89	32.6	3488.28	462665	10.3709 ng/ml	

AM #28 Multi-Drug Quant. Results



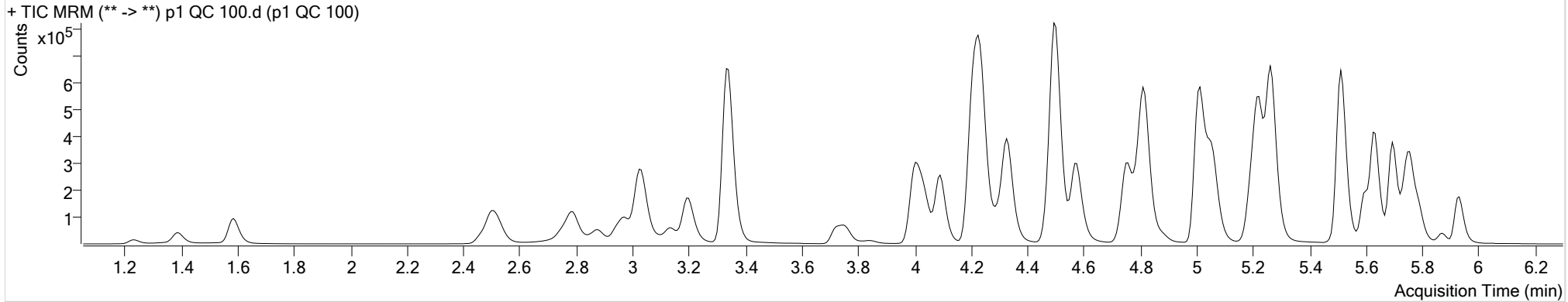
Batch results
Calibration Last Update

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9/12/2019 10:10:17 AM

Instrument Type Falco
Acq. Method MDQ P1 Combined 082219.m
Sample Position P1-B6
Injection Volume 1
Acq. Date-Time 9/11/2019 1:17:33 PM
Sample Info.

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

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.103	9497	63813.71	77.7	15986.87	22479	9.8171 ng/ml
7-aminoclonazepam	4.224	112374	330.24	80.3	388.83	51653	100.3676 ng/ml
a-hydroxyalprazolam	5.666	7434	336.70	64.7	∞	4614	92.1226 ng/ml
alpha-PVP	4.337	504889	20731.33	47.8	961.45	236412	96.4699 ng/ml
Alprazolam	5.742	210355	11598.78	109.1	1989.94	71000	94.7876 ng/ml
Amphetamine	3.034	534698	4691.82	56.6	4170.72	68689	97.1167 ng/ml
Benzoylcegonine	3.847	13480	184.77	7.7	384.95	15438	38.0084 ng/ml
Buprenorphine	5.705	5819	115.41	16.1	∞	22867	9.5630 ng/ml
Bupropion	4.759	466358	52996.97	57.6	931.95	169803	100.1645 ng/ml
Carisoprodol	5.705	145366	900.57	56.1	1209.28	75887	97.2840 ng/ml
Citalopram	5.201	298090	6933.42	44.7	5374.62	152649	94.2415 ng/ml
Clonazepam	5.579	23879	4570.39	31.2	482.14	4414	97.6996 ng/ml
Cocaine	4.237	495778	113839.13	43.6	70637.66	410406	96.2747 ng/ml
Codeine	2.529	60466	2374.57	107.7	3590.47	29395	99.8921 ng/ml
Cyclobenzaprine	5.603	249920	800321.26	11.9	1850.39	115754	103.0569 ng/ml
Dextromethorphan	5.231	186291	14780.08	82.9	14953.54	90234	95.0277 ng/ml
Dextrorphan	4.093	146401	1442490.47	206.5	13319.67	191038	99.5888 ng/ml
Diazepam	5.934	168501	21109.63	87.4	8606.82	82677	98.5786 ng/ml

AM #28 Multi-Drug Quant. Results



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Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Dihydrocodeine	2.501	167136	2314.40	67.2	1333.37	100683	103.3262 ng/ml
Diphenhydramine	5.265	749421	1034.19	31.9	13743.29	530926	96.8009 ng/ml
Doxylamine	4.500	1040560	1665.72	98.9	55907.97	472048	99.5095 ng/ml
EDDP	5.223	399159	59045.71	41.8	982.68	223660	97.6259 ng/ml
Fentanyl	5.052	24009	748.66	75.0	11941.42	139168	9.8450 ng/ml
Fluoxetine	5.695	342526	1689.95	8.7	907.86	145704	100.4657 ng/ml
Hydrocodone	2.978	150329	481.20	38.9	191.02	98584	98.3651 ng/ml
Hydromorphone	1.587	124381	2816.10	77.3	1985.97	49307	95.9896 ng/ml
Ketamine	4.006	446917	29867.39	38.0	1062.75	211923	99.6779 ng/ml
Lamotrigine	4.268	46095	5628.08	80.2	12079.36	211923	95.5182 ng/ml
Lorazepam	5.720	6671	146.00	54.0	22.65	4414	97.2613 ng/ml
Meprobamate	4.888	37715	6586.33	27.1	739.21	20239	95.8704 ng/ml
Methadone	5.634	424345	28950.40	53.7	3830.46	217559	96.1386 ng/ml
Methamphetamine	3.202	350931	2128.73	42.7	1256.93	145454	103.3568 ng/ml
Metoprolol	4.299	113528	437902.46	93.8	∞	553989	127.0428 ng/ml
Mirtazapine	4.576	518207	5140.97	49.7	5326.50	236412	207.9633 ng/ml
Mitragynine	5.179	73519	1023421.82	37.2	72490.94	217559	115.2015 ng/ml
Morphine	1.233	29396	10960.50	20.8	216.59	4052	98.5043 ng/ml
Norbuprenorphine	4.963	271	564.17	81.7	422.60	1503	7.9847 ng/ml did not evaluate
Nordiazepam	5.874	39657	1492.64	55.9	∞	12791	101.9636 ng/ml
Norfentanyl	4.061	66426	1363.38	36.7	377.25	323970	9.5646 ng/ml
Norhydrocodone	3.032	6780	232.47	30.1	142.99	27812	85.9066 ng/ml did not evaluate
Noroxycodone	2.876	98778	1069.66	46.4	1650.17	31884	99.0540 ng/ml
O-desmethyl-tramadol	3.341	1152874	∞	6.2	2213.02	623483	98.6235 ng/ml
Oxazepam	5.730	8485	67.85	70.4	35.66	5374	101.1071 ng/ml
Oxycodone	2.787	288231	4560.73	30.5	2074.88	137580	101.6938 ng/ml
Oxymorphone	1.390	71181	∞	46.1	∞	28515	97.9210 ng/ml
Phentermine	3.758	138096	1063.46	2.6	204.62	166326	99.2342 ng/ml
Promethazine	5.520	492010	3195.23	30.2	3181.46	235322	99.1968 ng/ml
Quetiapine	5.503	448174	7212.99	55.4	∞	65961	91.2087 ng/ml
Sertraline	5.763	165727	1355.03	91.1	2162.80	79646	94.3490 ng/ml
Temazepam	5.791	108602	2194.68	31.3	430.41	60346	101.2385 ng/ml
Tramadol	4.212	1041787	6907.07	3.4	1047.11	553989	103.2992 ng/ml
Trazodone	5.058	406152	611968.78	75.6	1279786.73	180172	88.2314 ng/ml
Venlafaxine	5.014	746383	3210.39	35.7	1287.73	399099	95.5561 ng/ml
Zolpidem	4.817	974283	83706.02	32.6	13603.47	479484	100.7978 ng/ml

AM #28 Multi-Drug Quant. Results



Batch results

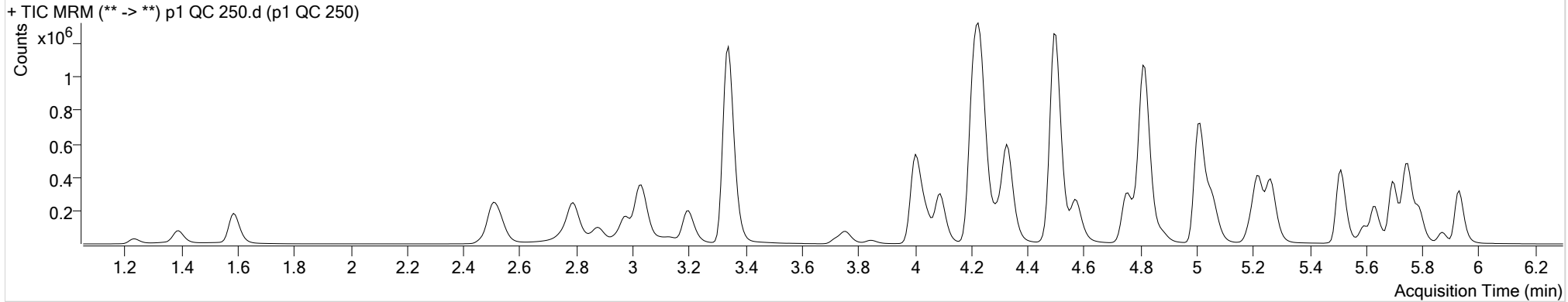
Calibration Last Update

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9/12/2019 10:10:17 AM

Instrument Type Falco
Acq. Method MDQ P1 Combined 082219.m
Sample Position P1-C6
Injection Volume 1
Acq. Date-Time 9/11/2019 1:38:28 PM
Sample Info.

Data File p1 QC 250.d
Sample p1 QC 250
Operator
Comment

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.103	21533	1648.60	74.6	3287.50	20432	24.4833 ng/ml
7-aminoclonazepam	4.224	222751	23924.52	81.8	292.34	42204	244.3059 ng/ml
a-hydroxyalprazolam	5.666	16860	520.92	68.7	298.94	4447	218.7874 ng/ml
alpha-PVP	4.337	881681	67178.45	48.1	2823.28	161105	247.5699 ng/ml
Alprazolam	5.742	459199	3099.55	107.0	2539.65	58002	252.1612 ng/ml
Amphetamine	3.034	680268	7198.84	55.8	8684.60	34253	249.4847 ng/ml
Benzoylcegonine	3.847	29549	3363.04	7.6	306.13	6339	216.1340 ng/ml
Buprenorphine	5.705	3558	417.19	15.2	1145.54	5787	24.6442 ng/ml
Bupropion	4.759	509446	175667.52	58.1	29332.04	74403	250.2758 ng/ml
Carisoprodol	5.698	342016	9701.48	56.3	1182.91	67405	258.5243 ng/ml
Citalopram	5.201	223992	2783.36	43.5	908.21	44070	246.0562 ng/ml
Clonazepam	5.586	54266	785.04	31.5	1803.05	3930	250.3358 ng/ml
Cocaine	4.237	1011782	85289.66	43.8	51227.81	329562	244.5090 ng/ml
Codeine	2.536	128030	699.97	107.5	4431.34	24356	255.6117 ng/ml
Cyclobenzaprine	5.603	137479	287373.17	11.5	1563.09	25339	259.9008 ng/ml
Dextromethorphan	5.231	122218	948.41	81.3	∞	23106	245.0063 ng/ml
Dextrorphan	4.093	208718	14785.00	205.1	16946.17	105312	257.8454 ng/ml
Diazepam	5.934	350753	2059.57	89.0	1425.98	67297	252.5790 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
Dihydrocodeine	2.508	366144	9800.77	67.5	4614.75	90607	252.8222 ng/ml	
Diphenhydramine	5.265	541897	18769.12	31.8	5577.66	150155	248.1321 ng/ml	
Doxylamine	4.500	1718878	160876.54	99.3	48049.06	310960	249.7821 ng/ml	
EDDP	5.223	415317	1653.24	41.2	445.79	93334	243.7968 ng/ml	
Fentanyl	5.052	13784	380.33	78.3	10471.29	31597	25.1584 ng/ml	
Fluoxetine	5.695	175494	1836.93	8.7	1566.87	30344	248.8118 ng/ml	
Hydrocodone	2.978	311390	250.35	39.5	∞	81996	245.6314 ng/ml	
Hydromorphone	1.587	275274	∞	76.7	4129.72	42976	244.2579 ng/ml	
Ketamine	4.006	934774	3701.83	38.0	7020.43	176177	251.4535 ng/ml	
Lamotrigine	4.268	92016	∞	80.8	∞	176177	232.1918 ng/ml	
Lorazepam	5.720	15195	504.92	51.1	95.26	3930	252.2308 ng/ml	
Meprobamate	4.888	86173	38064.12	27.0	1373.19	17797	249.0232 ng/ml	
Methadone	5.634	271273	2521.09	52.6	605.02	53065	252.8236 ng/ml	
Methamphetamine	3.202	414156	1186.37	42.8	793.74	69668	263.8170 ng/ml	
Metoprolol	4.299	207406	352328.15	92.7	∞	446600	288.4650 ng/ml	
Mirtazapine	4.576	425864	11250.57	49.4	21675.12	161105	251.3938 ng/ml	outside curve range
Mitragynine	5.179	43897	80263.71	37.6	76594.25	53065	282.6552 ng/ml	
Morphine	1.233	63918	560.63	20.5	195.06	3492	249.5429 ng/ml	
Norbuprenorphine	4.963	200	877.49	84.9	417.39	409	24.1806 ng/ml	did not evaluate
Nordiazepam	5.874	83283	1674.03	57.0	2183.61	10573	259.3320 ng/ml	
Norfentanyl	4.054	134777	35369.12	37.2	1572.11	250268	25.1457 ng/ml	
Norhydrocodone	3.032	17735	∞	27.9	523.55	22925	263.2256 ng/ml	did not evaluate
Noroxycodone	2.876	208373	1502.07	47.0	887.76	26275	253.9455 ng/ml	
O-desmethyl-tramadol	3.341	2623900	60422.11	6.2	∞	549225	255.3569 ng/ml	
Oxazepam	5.730	17685	340.68	75.4	39.57	4706	240.4598 ng/ml	
Oxycodone	2.787	653009	3605.72	30.7	2378.03	122132	260.2997 ng/ml	
Oxymorphone	1.390	157920	∞	46.0	∞	24672	251.8322 ng/ml	
Phentermine	3.758	185392	319.87	2.8	193.64	89099	250.8948 ng/ml	
Promethazine	5.513	276047	886.90	30.5	1954.74	52181	251.2994 ng/ml	
Quetiapine	5.503	437410	29036.33	54.5	15206.96	23299	252.5893 ng/ml	
Sertraline	5.763	83989	6524.32	92.4	1755.33	15463	247.5714 ng/ml	
Temazepam	5.791	241067	2491.93	30.8	1515.31	51793	262.8318 ng/ml	
Tramadol	4.212	2166662	117608.19	3.5	886.95	446600	267.6159 ng/ml	
Trazodone	5.058	336715	12125.42	75.4	∞	57589	227.5419 ng/ml	
Venlafaxine	5.014	1248492	39732.10	35.6	1579.84	256887	248.4856 ng/ml	
Zolpidem	4.817	2095770	5385.90	32.4	41206.06	403568	258.0743 ng/ml	

AM #28 Multi-Drug Quant. Results



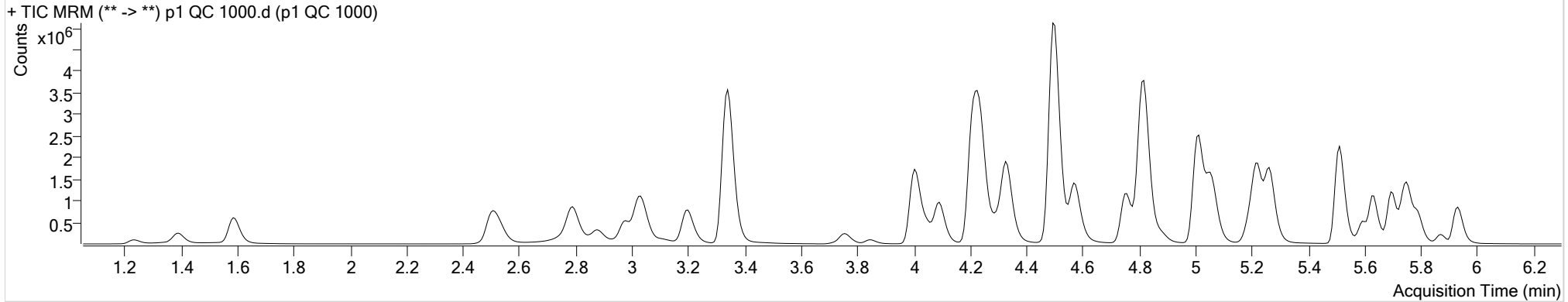
Batch results
Calibration Last Update

D:\MassHunter\Data\2019\AM 28\091119 MDQ SP\QuantResults\MDQ.batch.bin
9/12/2019 10:10:17 AM

Instrument Falco
Type QC
Acq. Method MDQ P1 Combined 082219.m
Sample Position P1-D6
Injection Volume 1
Acq. Date-Time 9/11/2019 1:59:22 PM
Sample Info.

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

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.103	81745	3264.62	74.6	12358.28	18423	103.0713 ng/ml
7-aminoclonazepam	4.224	558327	15101.14	81.6	248.98	31040	833.9595 ng/ml
a-hydroxyalprazolam	5.666	69069	1662.47	67.4	414.83	4041	991.5385 ng/ml
alpha-PVP	4.330	3121121	215290.85	48.9	49872.40	142339	992.6278 ng/ml
Alprazolam	5.749	1428766	5426.46	107.1	5516.95	44188	1027.7746 ng/ml
Amphetamine	3.034	2251843	14088.50	53.5	50972.62	29589	959.1198 ng/ml
Benzoylcegonine	3.847	142076	896.90	7.5	176.05	6239	1067.8520 ng/ml
Buprenorphine	5.705	12920	1888.34	15.5	∞	6575	81.1462 ng/ml
Bupropion	4.759	2068590	333499.55	58.2	177238.99	74165	1020.6584 ng/ml
Carisoprodol	5.705	1047177	933.57	56.4	1027.03	53283	1002.7902 ng/ml
Citalopram	5.195	1109011	∞	43.4	1013.29	51968	1034.6441 ng/ml
Clonazepam	5.579	228636	2680.59	32.4	23500.87	4279	970.3572 ng/ml
Cocaine	4.237	3339585	2160065.78	43.9	213842.57	269737	985.7212 ng/ml
Codeine	2.536	416791	7748.71	102.8	1117.66	19401	1045.3456 ng/ml
Cyclobenzaprine	5.603	795445	56824.09	11.4	43139.67	34661	1101.2675 ng/ml
Dextromethorphan	5.231	612687	2891.61	80.5	718.64	29181	975.4774 ng/ml
Dextrorphan	4.093	761265	3011.25	206.5	249432.63	96012	1032.0834 ng/ml
Diazepam	5.934	1106745	2193.94	87.0	10987.56	56487	950.3454 ng/ml

AM #28 Multi-Drug Quant. Results



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Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
Dihydrocodeine	2.501	1242267	109671.95	68.2	41409.32	89438	871.1883 ng/ml	
Diphenhydramine	5.265	2842057	147638.18	32.0	27265.36	192278	1017.5437 ng/ml	
Doxylamine	4.494	7352914	1086063.00	97.8	629707.73	330834	1004.8213 ng/ml	
EDDP	5.223	2183001	34799.39	42.0	1390911.46	119315	1003.2138 ng/ml	
Fentanyl	5.052	75251	1457.68	75.7	517.95	39510	110.4127 ng/ml	
Fluoxetine	5.695	881361	2925.99	8.6	∞	37956	1002.3818 ng/ml	
Hydrocodone	2.978	1135784	∞	41.0	351.50	78920	932.0776 ng/ml	
Hydromorphone	1.587	1007914	∞	76.4	1043.79	40463	950.8705 ng/ml	
Ketamine	4.006	3469342	15197.23	38.0	12790.05	174365	944.1533 ng/ml	
Lamotrigine	4.268	301120	18785.51	81.0	21062.33	174365	772.3931 ng/ml	outside curve range
Lorazepam	5.720	63381	1191.71	52.3	209.40	4279	972.4068 ng/ml	
Meprobamate	4.888	340567	44752.72	26.7	37217.47	17430	1004.7527 ng/ml	
Methadone	5.634	1494449	3720.08	52.6	46581.08	73707	1004.2844 ng/ml	
Methamphetamine	3.202	1684775	2674.29	43.0	3616.52	75282	1010.4399 ng/ml	
Metoprolol	4.299	613878	∞	96.0	25744.83	381019	1001.8403 ng/ml	
Mirtazapine	4.576	2387222	33612.99	49.3	214606.44	142339	1610.6317 ng/ml	outside curve range
Mitragynine	5.179	250432	314282.88	37.3	2685.09	73707	1162.3139 ng/ml	
Morphine	1.233	217111	2009.69	21.2	7051.29	3123	949.6306 ng/ml	
Norbuprenorphine	4.956	953	2599.76	92.4	1228.68	519	94.6574 ng/ml	did not evaluate
Nordiazepam	5.874	291952	29194.17	56.7	2150.81	9473	1015.1847 ng/ml	
Norfentanyl	4.054	537868	54378.96	37.2	2416.36	241377	104.0941 ng/ml	
Norhydrocodone	3.039	78490	446.59	33.4 High	323.92	21865	1205.7865 ng/ml	did not evaluate
Noroxycodone	2.876	728060	8069.51	45.8	2360.69	24568	949.5997 ng/ml	
O-desmethyl-tramadol	3.341	9402633	234395.27	6.4	∞	494016	1018.3512 ng/ml	
Oxazepam	5.723	73360	839.71	70.3	152.28	4651	1008.6606 ng/ml	
Oxycodone	2.787	2495860	30696.45	30.8	2942.72	119126	1021.4239 ng/ml	
Oxymorphone	1.390	572466	∞	46.2	∞	23975	940.7462 ng/ml	
Phentermine	3.758	682307	6865.67	2.7	9616.14	91329	904.6305 ng/ml	
Promethazine	5.520	1572842	80043.69	30.5	1517.70	72260	1034.6046 ng/ml	
Quetiapine	5.503	2333693	836327.57	56.3	∞	34043	923.1864 ng/ml	
Sertraline	5.763	380729	4798.38	92.4	12884.71	16955	1026.0009 ng/ml	
Temazepam	5.791	920430	1828.64	32.0	4071.46	49397	1054.0994 ng/ml	
Tramadol	4.212	6817925	131898.60	3.5	692.39	381019	988.9687 ng/ml	
Trazodone	5.058	2053547	365009.13	77.4	390791.24	77728	1025.2791 ng/ml	
Venlafaxine	5.014	5020486	7942.79	35.3	4505.51	258800	992.1323 ng/ml	
Zolpidem	4.817	8302816	226272.04	31.3	2264.46	415348	994.2626 ng/ml	

AM #28 Multi-Drug Quant. Results



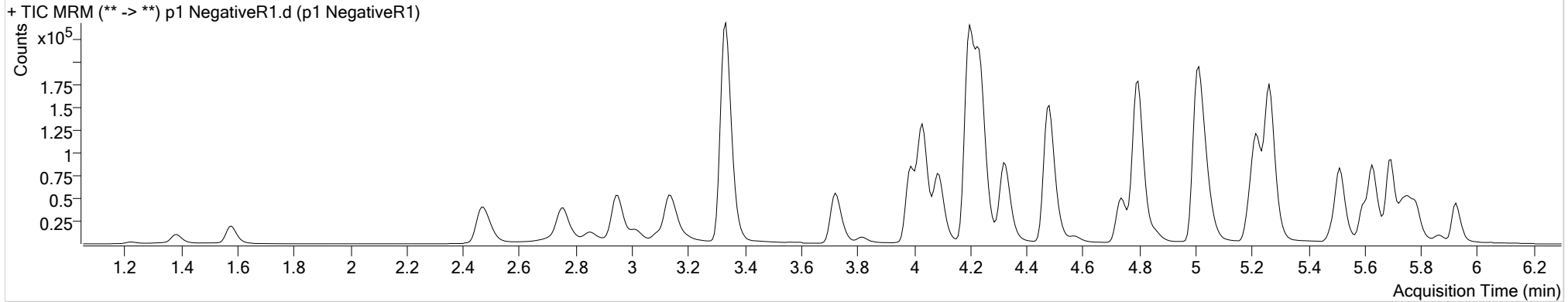
Batch results
Calibration Last Update

D:\MassHunter\Data\2019\AM 28\091119 MDQ SP\QuantResults\MDQ.batch.bin
9/12/2019 10:10:17 AM

Instrument Falco
Type Sample
Acq. Method MDQ P1 Combined 082219.m
Sample Position P1-E6
Injection Volume 1
Acq. Date-Time 9/11/2019 4:36:26 PM
Sample Info.

Data File p1 NegativeR1.d
Sample p1 NegativeR1
Operator
Comment

Sample Chromatogram

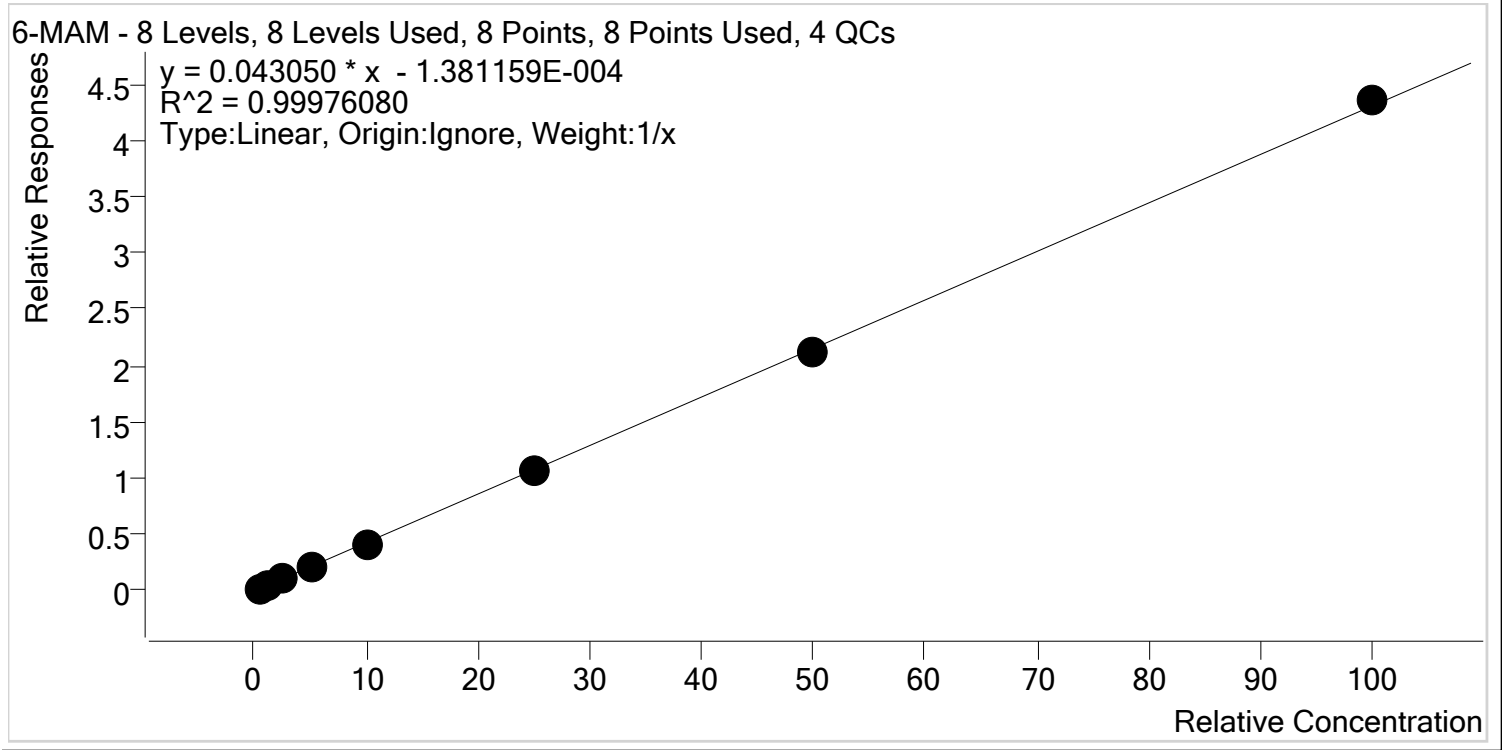


Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Cyclobenzaprine	5.603	4959	515.05	13.0	55.26	83647	2.2382 ng/ml <5
Dextromethorphan	5.231	4011	295.19	88.8	∞	65595	1.8548 ng/ml <5
Methadone	5.634	10077	1030.29	54.9	558.10	153973	2.7202 ng/ml <5
Mirtazapine	4.576	9769	549.01	50.1	335.57	229851	1.1658 ng/ml <5
Trazodone	5.058	8812	∞	74.2	16082.80	132913	3.3909 ng/ml <5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\091119 MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 9/12/2019 10:10 AM
Analyst Name ISP\datastor
Analyte 6-MAM **Internal Standard** 6-MAM-D6

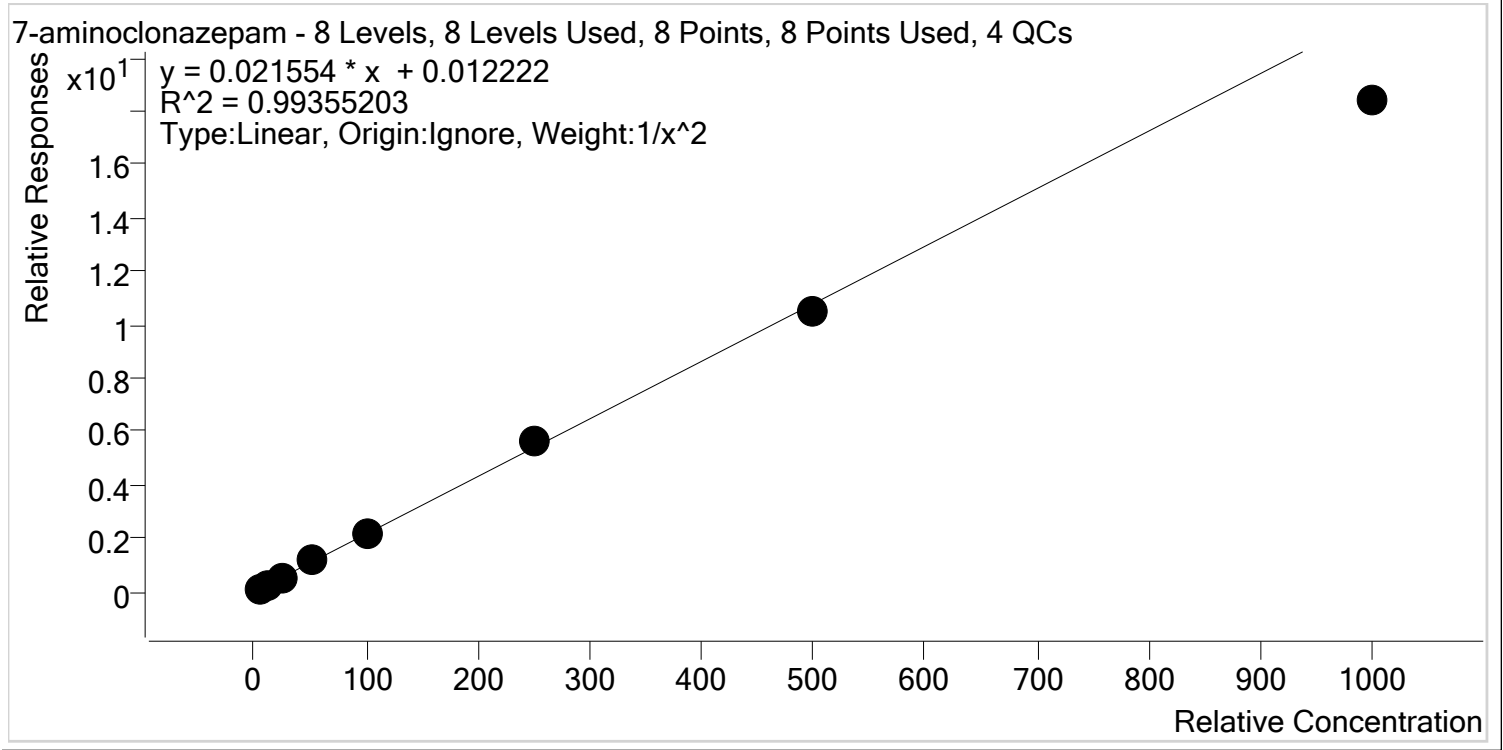


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	96.2
p1 Cal 2- 10ng	2	✓	1.0	1.1	107.8
p1 Cal 3 -25ng	3	✓	2.5	2.6	102.4
p1 Cal 4-50ng	4	✓	5.0	4.9	98.0
p1 Cal 5-100ng	5	✓	10.0	9.7	96.7
p1 Cal 6-250ng	6	✓	25.0	24.6	98.6
p1 Cal 7-500ng	7	✓	50.0	49.6	99.1
p1 Cal 8-1000ng	8	✓	100.0	101.1	101.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\091119 MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 9/12/2019 10:10 AM
Analyst Name ISP\datastor
Analyte 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4



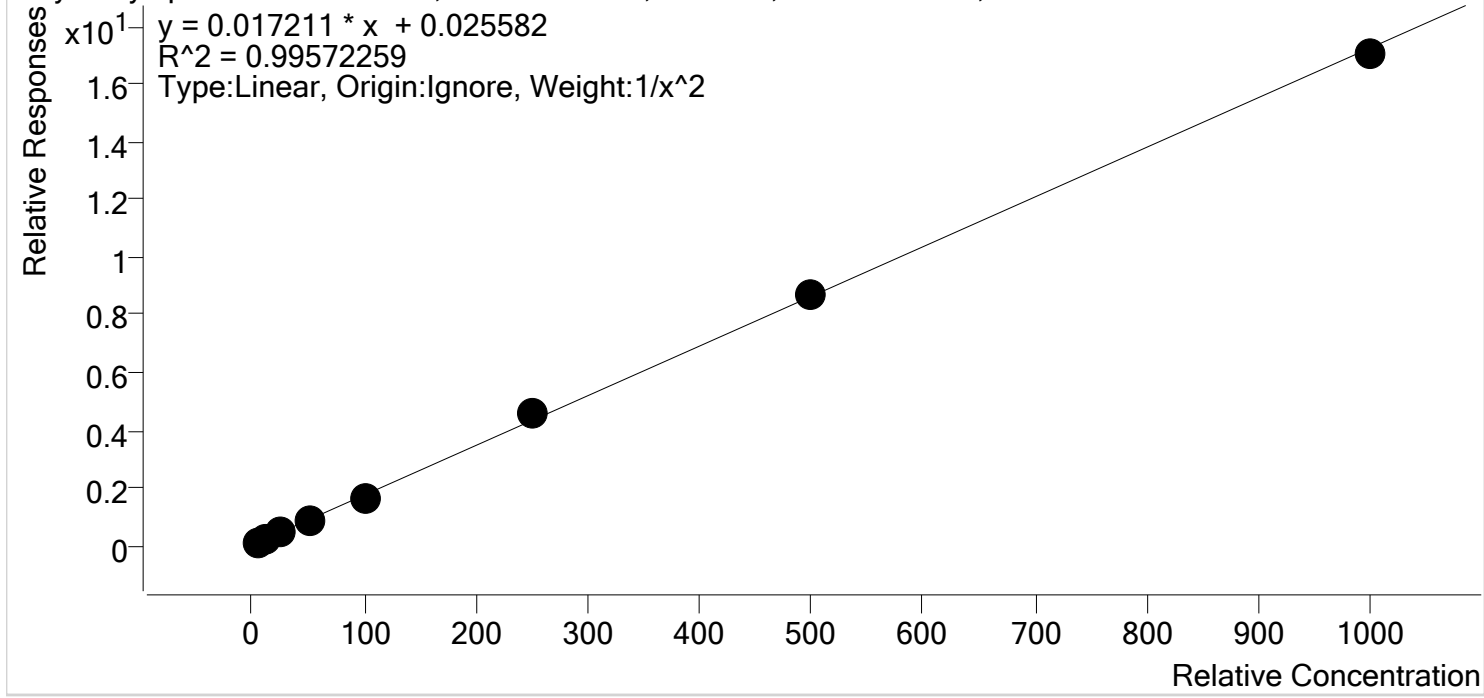
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.6
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.3
p1 Cal 3 -25ng	3	✓	25.0	26.0	104.0
p1 Cal 4-50ng	4	✓	50.0	54.2	108.4
p1 Cal 5-100ng	5	✓	100.0	102.9	102.9
p1 Cal 6-250ng	6	✓	250.0	261.3	104.5
p1 Cal 7-500ng	7	✓	500.0	485.2	97.0
p1 Cal 8-1000ng	8	✓	1000.0	853.1	85.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\091119 MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 9/12/2019 10:10 AM
Analyst Name ISP\datastor
Analyte a-hydroxyalprazolam **Internal Standard** a-hydroxyalprazolam-D5

a-hydroxyalprazolam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



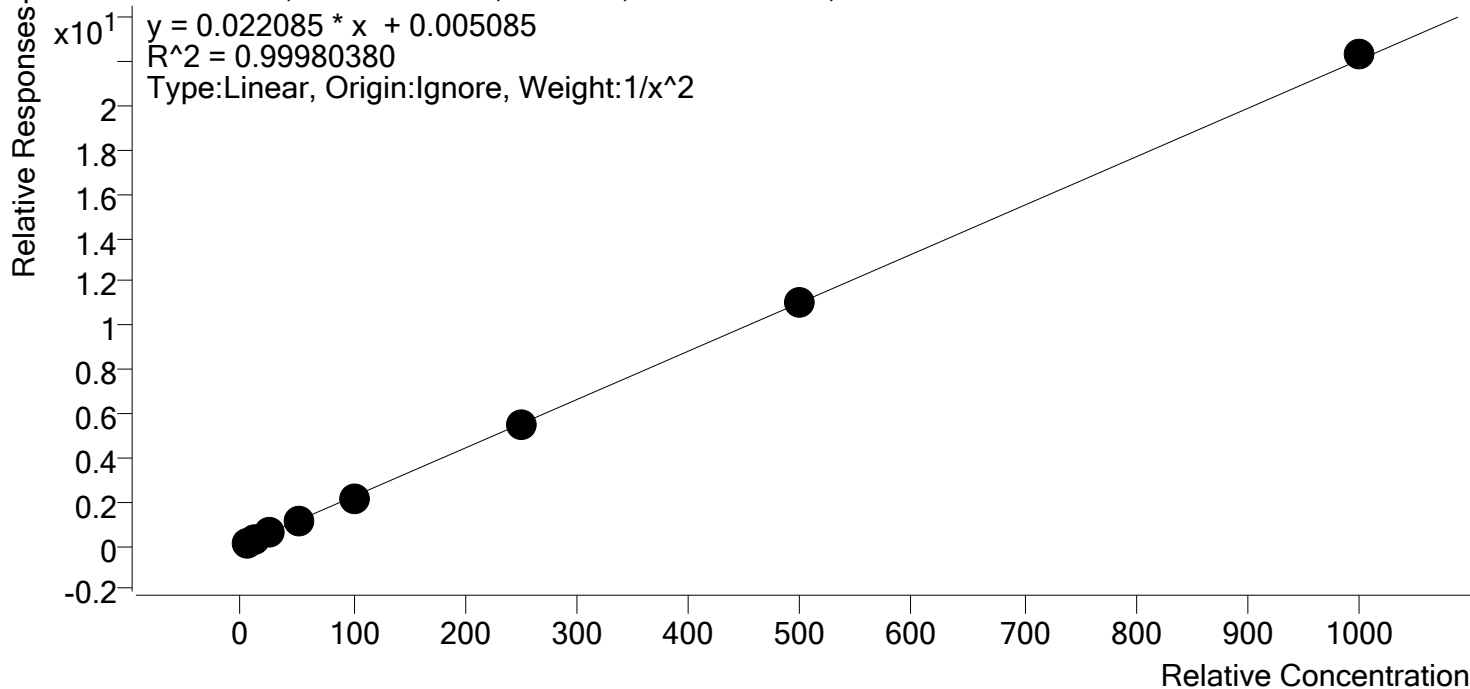
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.9
p1 Cal 2- 10ng	2	✓	10.0	11.0	109.6
p1 Cal 3 -25ng	3	✓	25.0	23.2	92.6
p1 Cal 4-50ng	4	✓	50.0	48.9	97.8
p1 Cal 5-100ng	5	✓	100.0	96.8	96.8
p1 Cal 6-250ng	6	✓	250.0	268.2	107.3
p1 Cal 7-500ng	7	✓	500.0	501.3	100.3
p1 Cal 8-1000ng	8	✓	1000.0	987.3	98.7



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\091119 MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 9/12/2019 10:10 AM
Analyst Name ISP\datastor
Analyte alpha-PVP **Internal Standard** alpha-PVP-d8

alpha-PVP - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



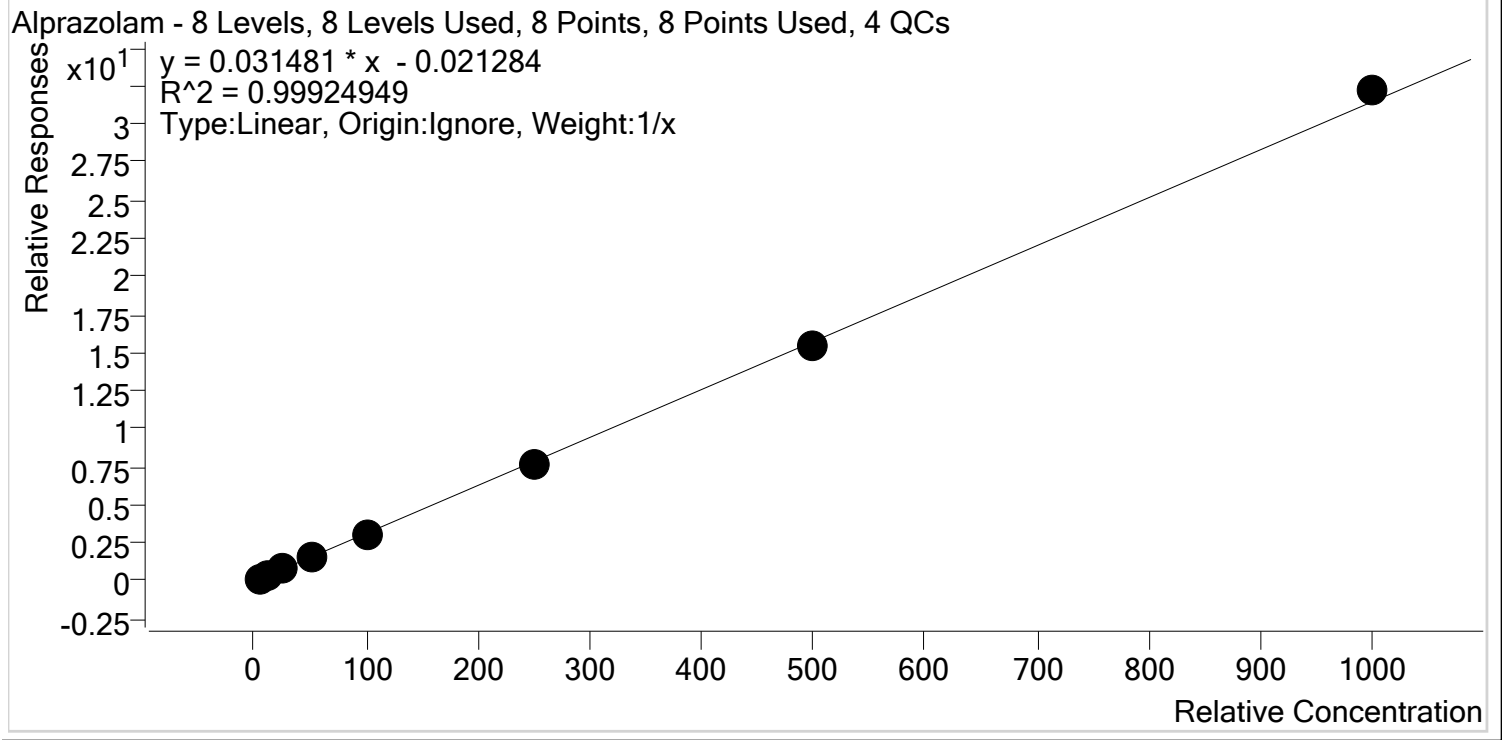
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.6
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.0
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.0
p1 Cal 4-50ng	4	✓	50.0	50.8	101.7
p1 Cal 5-100ng	5	✓	100.0	98.1	98.1
p1 Cal 6-250ng	6	✓	250.0	251.2	100.5
p1 Cal 7-500ng	7	✓	500.0	500.0	100.0
p1 Cal 8-1000ng	8	✓	1000.0	1011.1	101.1

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\091119 MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 9/12/2019 10:10 AM
Analyst Name ISP\datastor
Analyte Alprazolam **Internal Standard** Alprazolam-D5

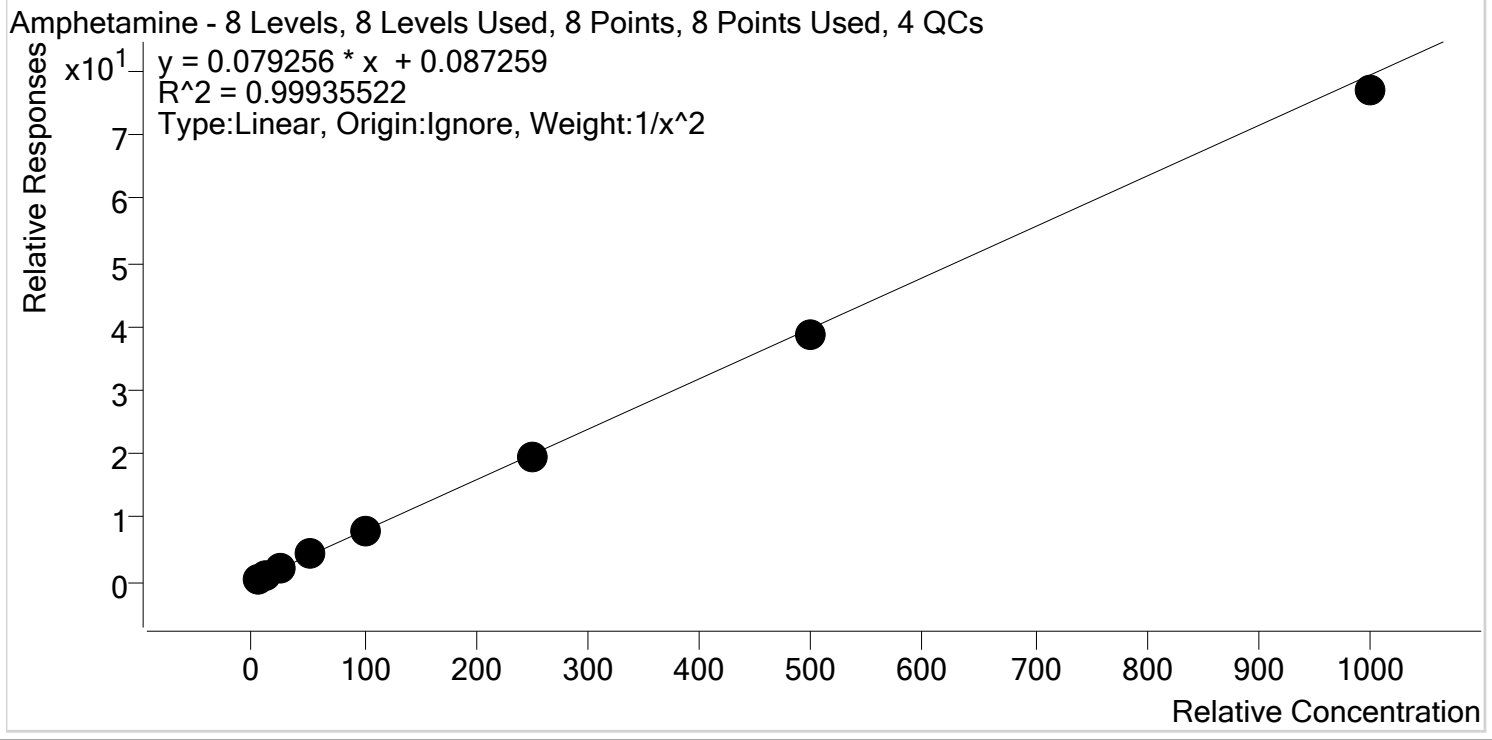


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.5	110.0
p1 Cal 2- 10ng	2	✓	10.0	10.4	103.9
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.2
p1 Cal 4-50ng	4	✓	50.0	49.0	98.1
p1 Cal 5-100ng	5	✓	100.0	95.7	95.7
p1 Cal 6-250ng	6	✓	250.0	241.9	96.7
p1 Cal 7-500ng	7	✓	500.0	490.3	98.1
p1 Cal 8-1000ng	8	✓	1000.0	1023.4	102.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\091119 MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 9/12/2019 10:10 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	5.0	99.1
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.5
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.6
p1 Cal 4-50ng	4	✓	50.0	51.8	103.6
p1 Cal 5-100ng	5	✓	100.0	101.3	101.3
p1 Cal 6-250ng	6	✓	250.0	248.5	99.4
p1 Cal 7-500ng	7	✓	500.0	488.0	97.6
p1 Cal 8-1000ng	8	✓	1000.0	969.2	96.9

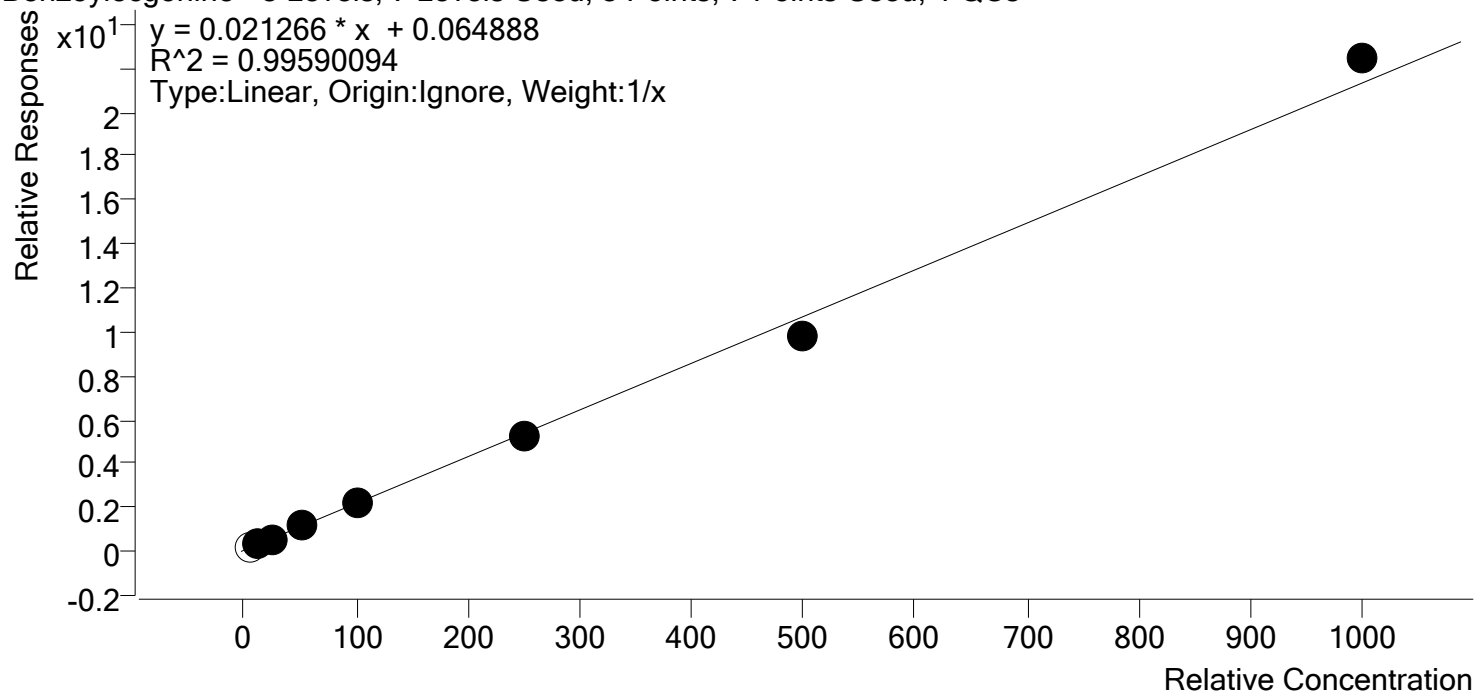
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\091119 MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 9/12/2019 10:10 AM
Analyst Name ISP\datastor
Analyte Benzoylecgonine **Internal Standard** Benzoylecgonine-d8

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	x	5.0	7.2	144.0
p1 Cal 2- 10ng	2	✓	10.0	11.1	111.2
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.0
p1 Cal 4-50ng	4	✓	50.0	49.7	99.4
p1 Cal 5-100ng	5	✓	100.0	97.7	97.7
p1 Cal 6-250ng	6	✓	250.0	242.5	97.0
p1 Cal 7-500ng	7	✓	500.0	457.1	91.4
p1 Cal 8-1000ng	8	✓	1000.0	1052.3	105.2

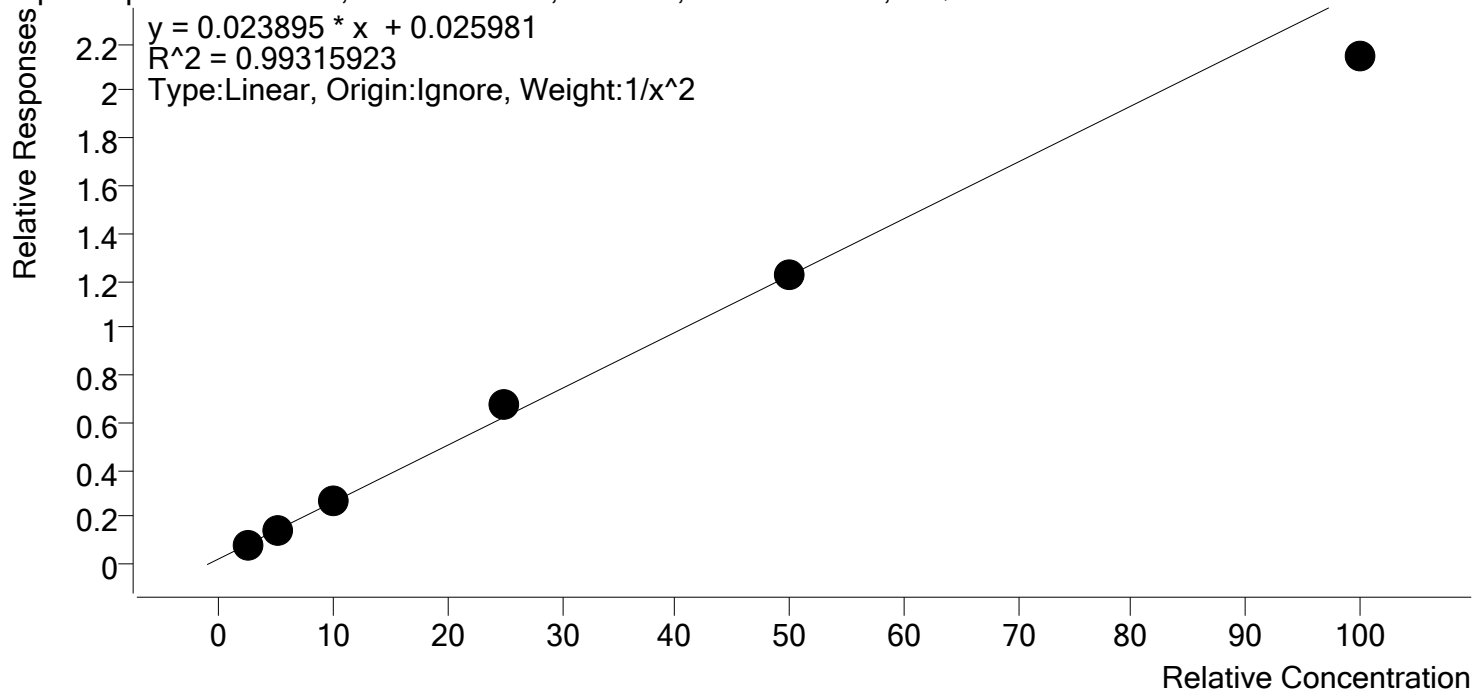
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\091119 MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 9/12/2019 10:10 AM
Analyst Name ISP\datastor
Analyte Buprenorphine **Internal Standard** Buprenorphine-D4

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



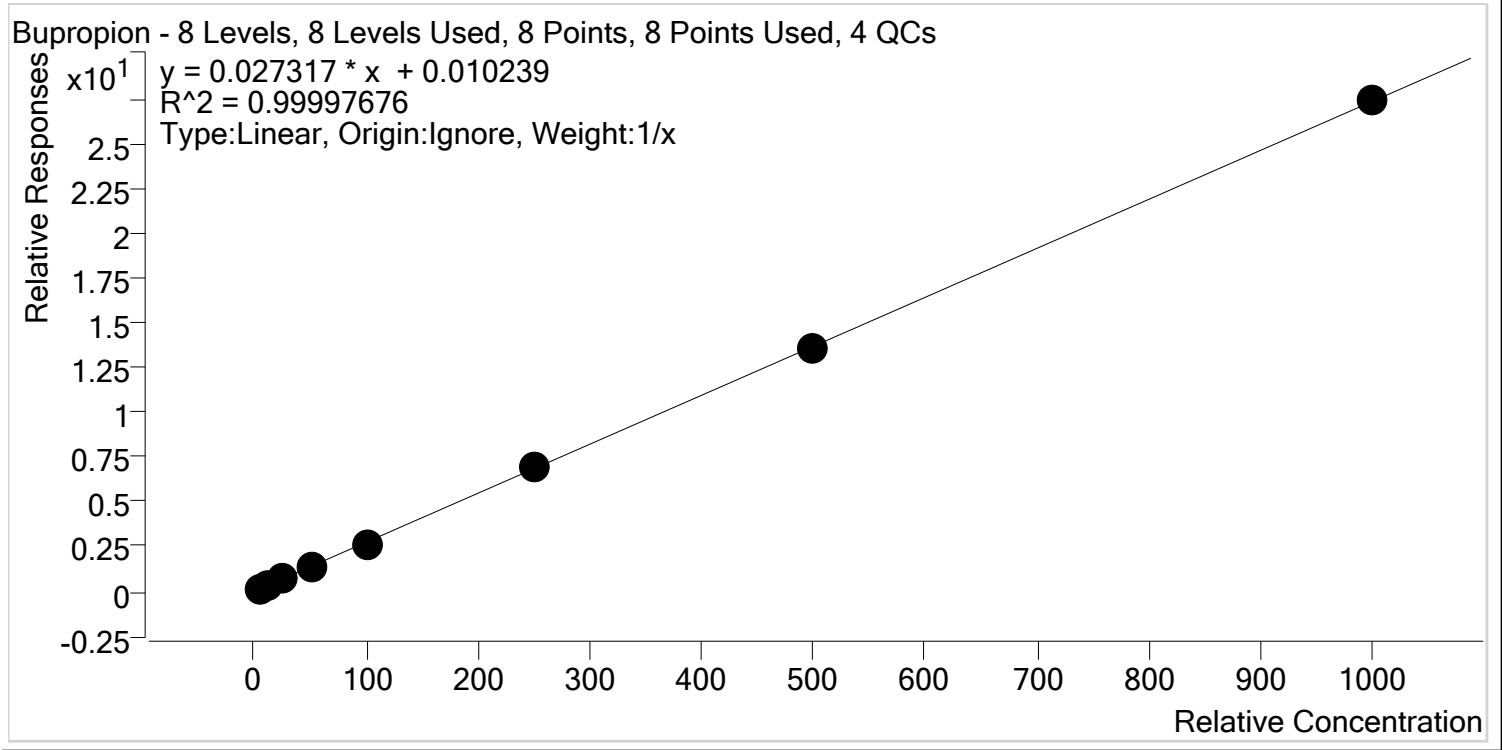
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 3 -25ng	3	✓	2.5	2.4	97.4
p1 Cal 4-50ng	4	✓	5.0	5.1	102.3
p1 Cal 5-100ng	5	✓	10.0	10.4	103.9
p1 Cal 6-250ng	6	✓	25.0	27.0	108.0
p1 Cal 7-500ng	7	✓	50.0	49.9	99.8
p1 Cal 8-1000ng	8	✓	100.0	88.6	88.6

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\091119 MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 9/12/2019 10:10 AM
Analyst Name ISP\datastor
Analyte Bupropion **Internal Standard** Bupropion-D9



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.9
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.9
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.2
p1 Cal 4-50ng	4	✓	50.0	50.2	100.4
p1 Cal 5-100ng	5	✓	100.0	98.3	98.3
p1 Cal 6-250ng	6	✓	250.0	250.7	100.3
p1 Cal 7-500ng	7	✓	500.0	499.1	99.8
p1 Cal 8-1000ng	8	✓	1000.0	1001.8	100.2

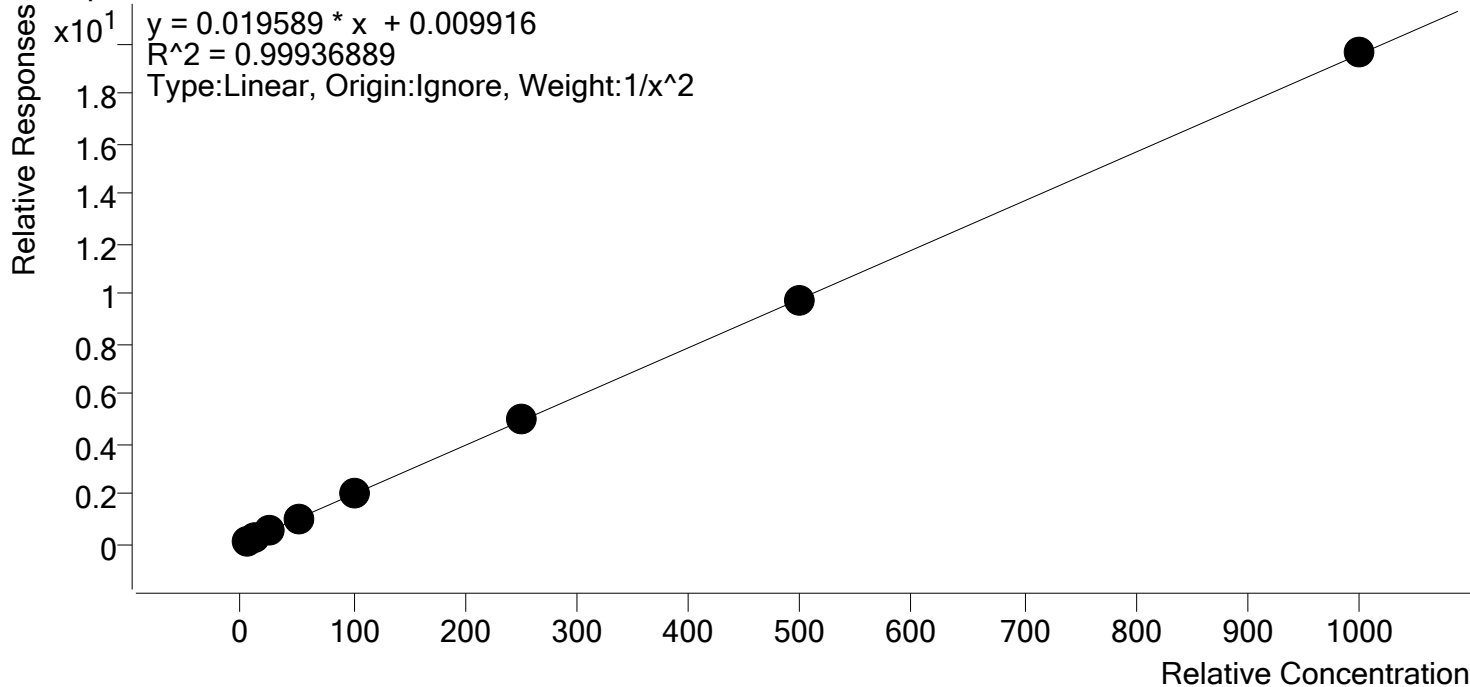
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\091119 MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 9/12/2019 10:10 AM
Analyst Name ISP\datastor
Analyte Carisoprodol **Internal Standard** Carisoprodol-D7

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



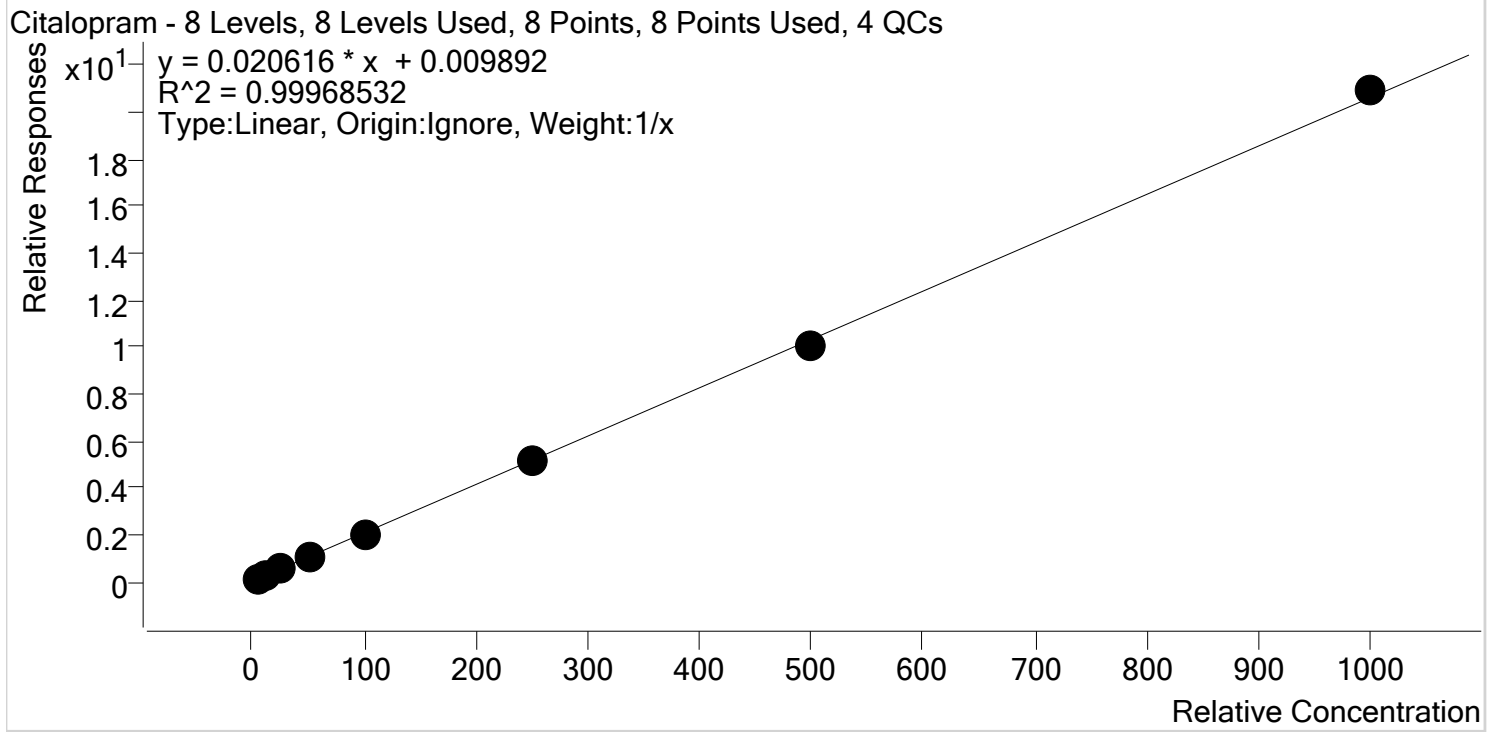
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.6
p1 Cal 2- 10ng	2	✓	10.0	9.8	97.7
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.3
p1 Cal 4-50ng	4	✓	50.0	51.5	102.9
p1 Cal 5-100ng	5	✓	100.0	99.9	99.9
p1 Cal 6-250ng	6	✓	250.0	254.3	101.7
p1 Cal 7-500ng	7	✓	500.0	497.3	99.5
p1 Cal 8-1000ng	8	✓	1000.0	1003.9	100.4

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\091119 MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 9/12/2019 10:10 AM
Analyst Name ISP\datastor
Analyte Citalopram **Internal Standard** Citalopram-D6



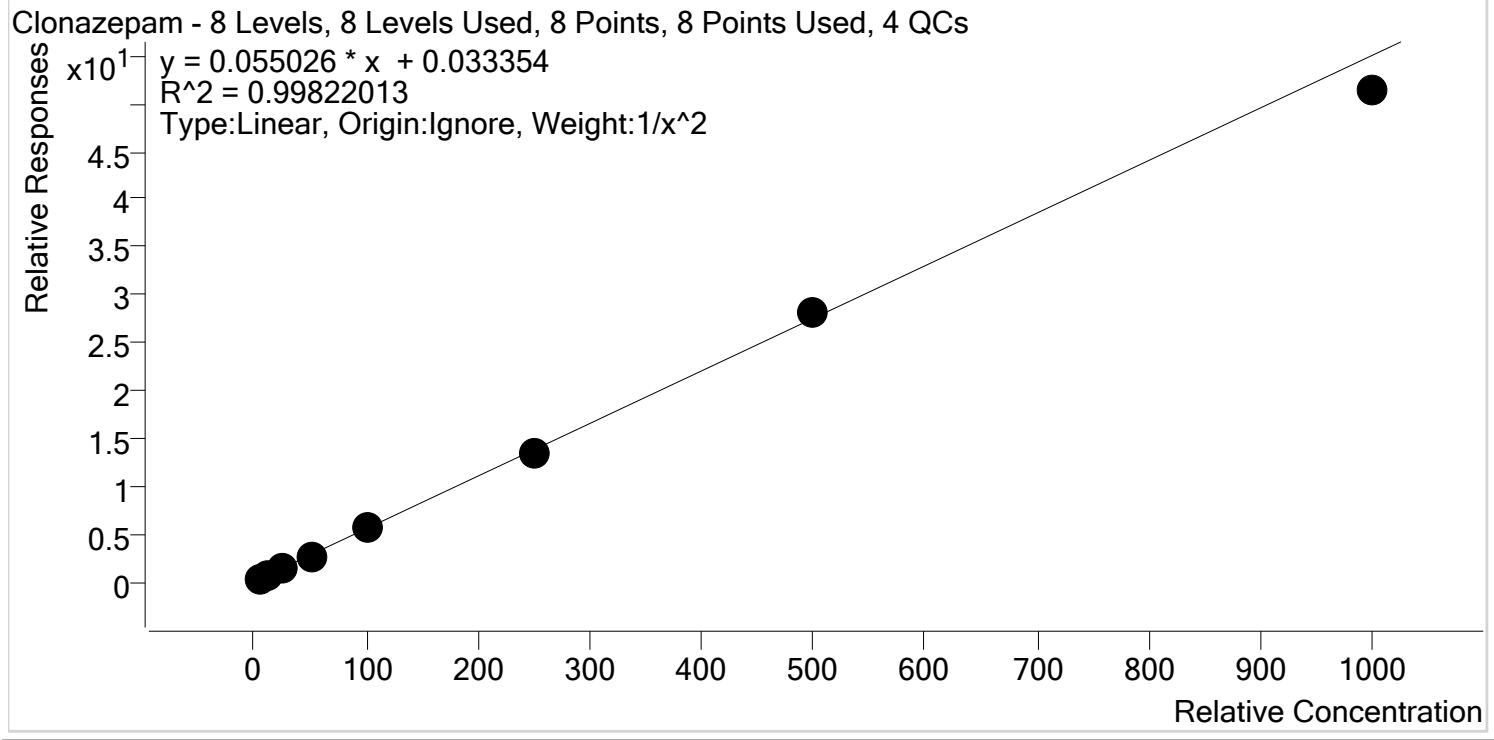
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.4
p1 Cal 2- 10ng	2	✓	10.0	10.5	105.2
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.5
p1 Cal 4-50ng	4	✓	50.0	50.6	101.2
p1 Cal 5-100ng	5	✓	100.0	97.5	97.5
p1 Cal 6-250ng	6	✓	250.0	246.7	98.7
p1 Cal 7-500ng	7	✓	500.0	490.5	98.1
p1 Cal 8-1000ng	8	✓	1000.0	1014.8	101.5

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\091119 MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 9/12/2019 10:10 AM
Analyst Name ISP\datastor
Analyte Clonazepam **Internal Standard** Clonazepam-D4

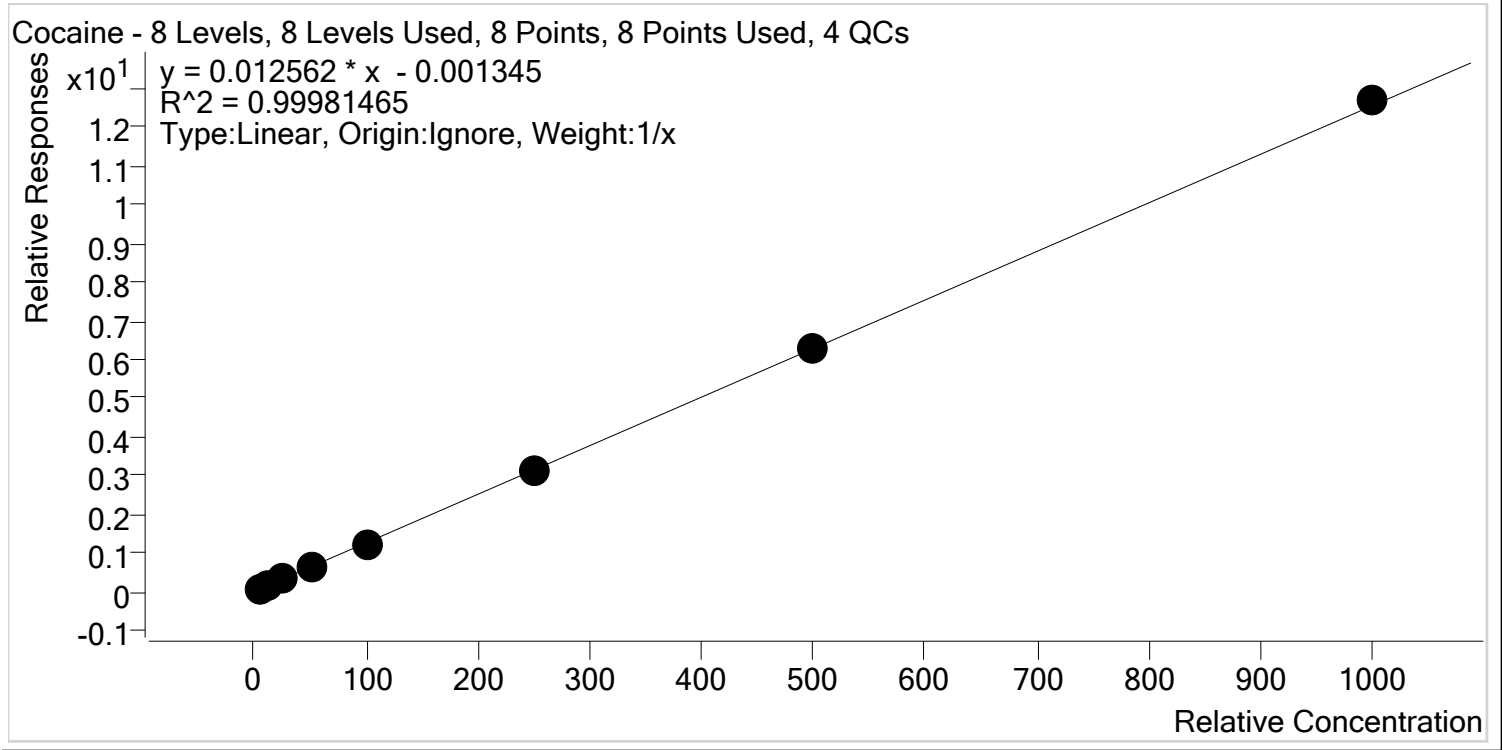


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.7
p1 Cal 2- 10ng	2	✓	10.0	10.4	103.7
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.5
p1 Cal 4-50ng	4	✓	50.0	49.2	98.4
p1 Cal 5-100ng	5	✓	100.0	103.8	103.8
p1 Cal 6-250ng	6	✓	250.0	246.2	98.5
p1 Cal 7-500ng	7	✓	500.0	510.7	102.1
p1 Cal 8-1000ng	8	✓	1000.0	933.0	93.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\091119 MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 9/12/2019 10:10 AM
Analyst Name ISP\datastor
Analyte Cocaine **Internal Standard** Cocaine-d3

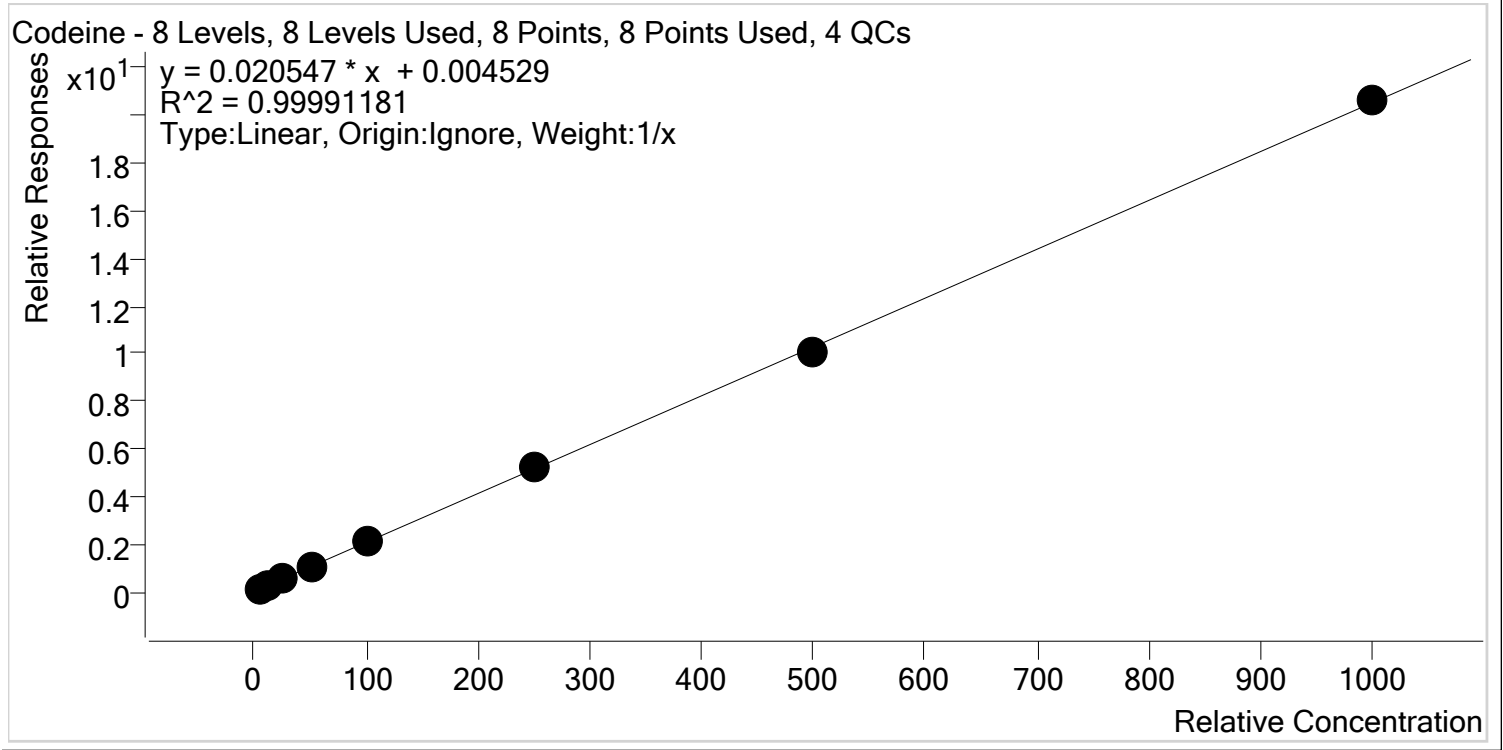


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.4	107.8
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.1
p1 Cal 3 -25ng	3	✓	25.0	24.7	99.0
p1 Cal 4-50ng	4	✓	50.0	49.0	98.0
p1 Cal 5-100ng	5	✓	100.0	97.5	97.5
p1 Cal 6-250ng	6	✓	250.0	245.6	98.2
p1 Cal 7-500ng	7	✓	500.0	497.2	99.4
p1 Cal 8-1000ng	8	✓	1000.0	1010.7	101.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\091119 MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 9/12/2019 10:10 AM
Analyst Name ISP\datastor
Analyte Codeine **Internal Standard** Codeine-D6



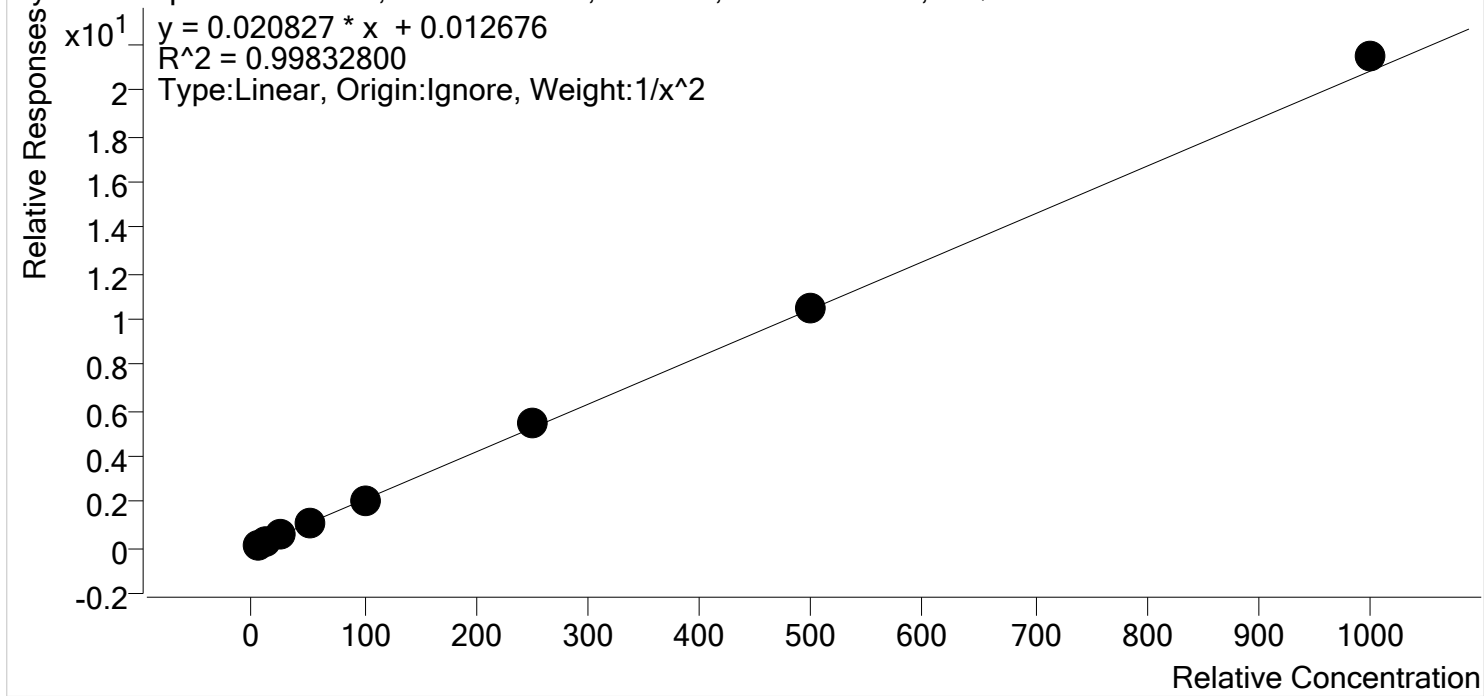
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.4
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.1
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.5
p1 Cal 4-50ng	4	✓	50.0	50.3	100.6
p1 Cal 5-100ng	5	✓	100.0	100.5	100.5
p1 Cal 6-250ng	6	✓	250.0	252.3	100.9
p1 Cal 7-500ng	7	✓	500.0	492.8	98.6
p1 Cal 8-1000ng	8	✓	1000.0	1004.5	100.4



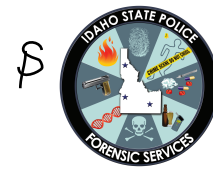
AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\091119 MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 9/12/2019 10:10 AM
Analyst Name ISP\datastor
Analyte Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

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

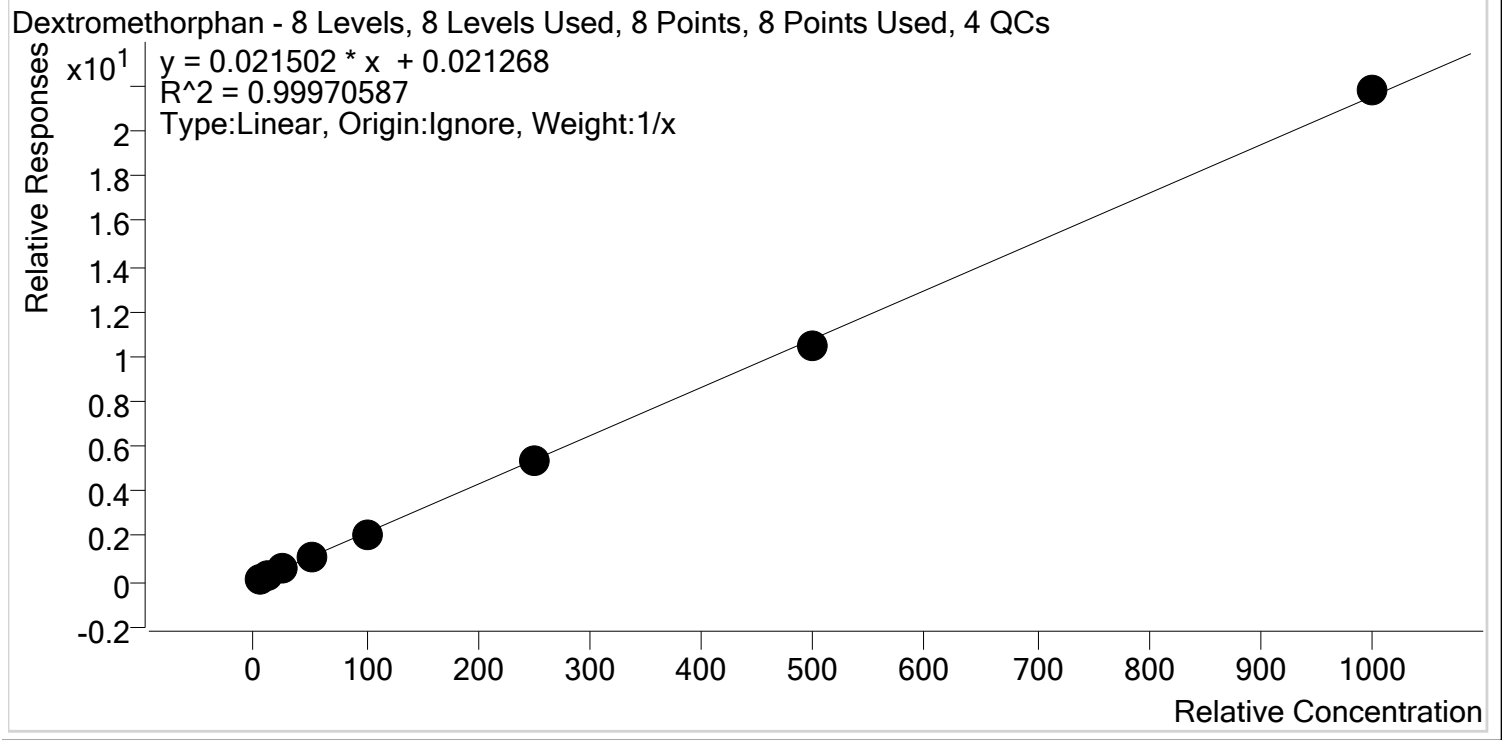


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.8
p1 Cal 2- 10ng	2	✓	10.0	9.3	92.9
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.5
p1 Cal 4-50ng	4	✓	50.0	49.3	98.6
p1 Cal 5-100ng	5	✓	100.0	98.4	98.4
p1 Cal 6-250ng	6	✓	250.0	257.7	103.1
p1 Cal 7-500ng	7	✓	500.0	503.4	100.7
p1 Cal 8-1000ng	8	✓	1000.0	1030.5	103.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\091119 MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 9/12/2019 10:10 AM
Analyst Name ISP\datastor
Analyte Dextromethorphan **Internal Standard** Dextromethorphan-D3

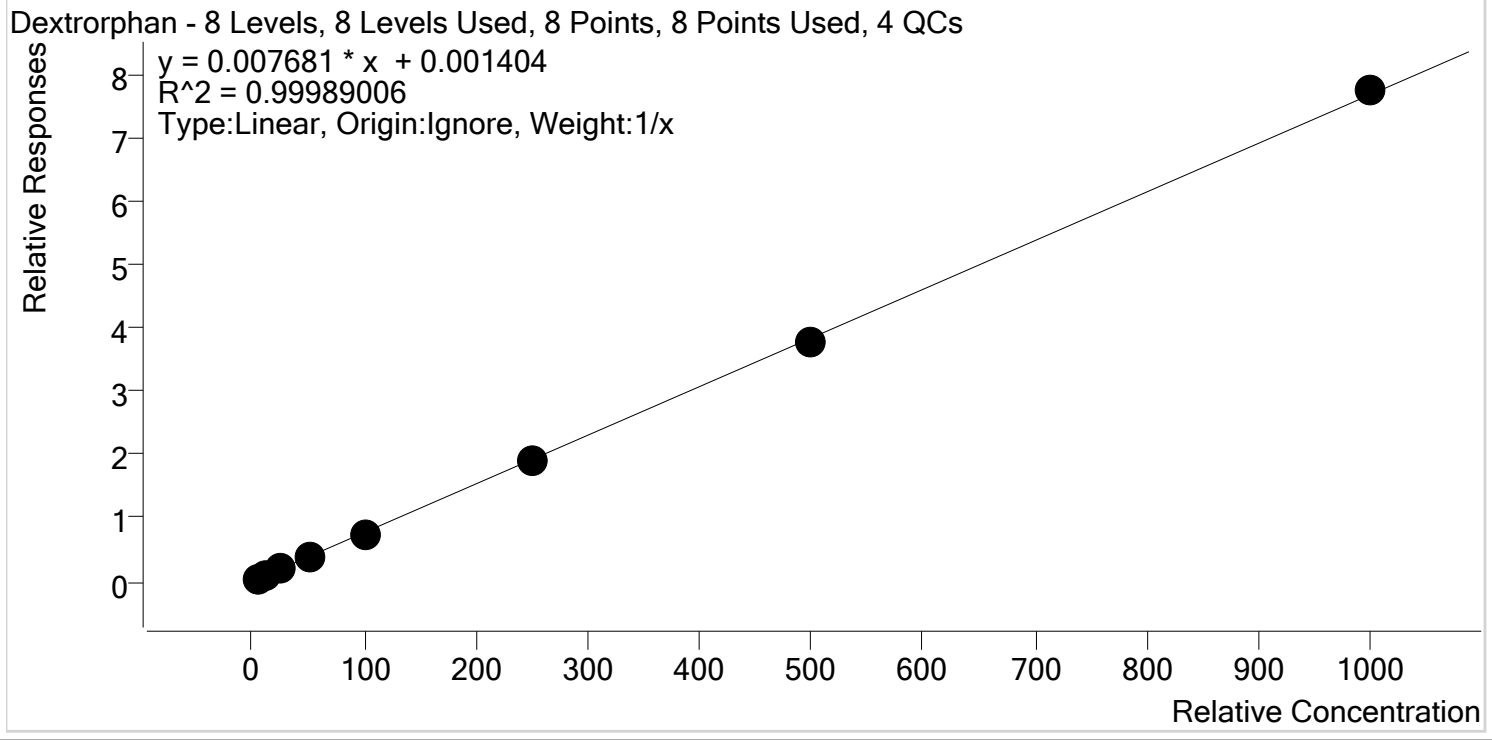


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.1
p1 Cal 2- 10ng	2	✓	10.0	9.8	97.9
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.3
p1 Cal 4-50ng	4	✓	50.0	50.9	101.8
p1 Cal 5-100ng	5	✓	100.0	98.8	98.8
p1 Cal 6-250ng	6	✓	250.0	251.1	100.5
p1 Cal 7-500ng	7	✓	500.0	487.3	97.5
p1 Cal 8-1000ng	8	✓	1000.0	1012.2	101.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\091119 MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 9/12/2019 10:10 AM
Analyst Name ISP\datastor
Analyte Dextrorphan **Internal Standard** Dextrorphan-D3

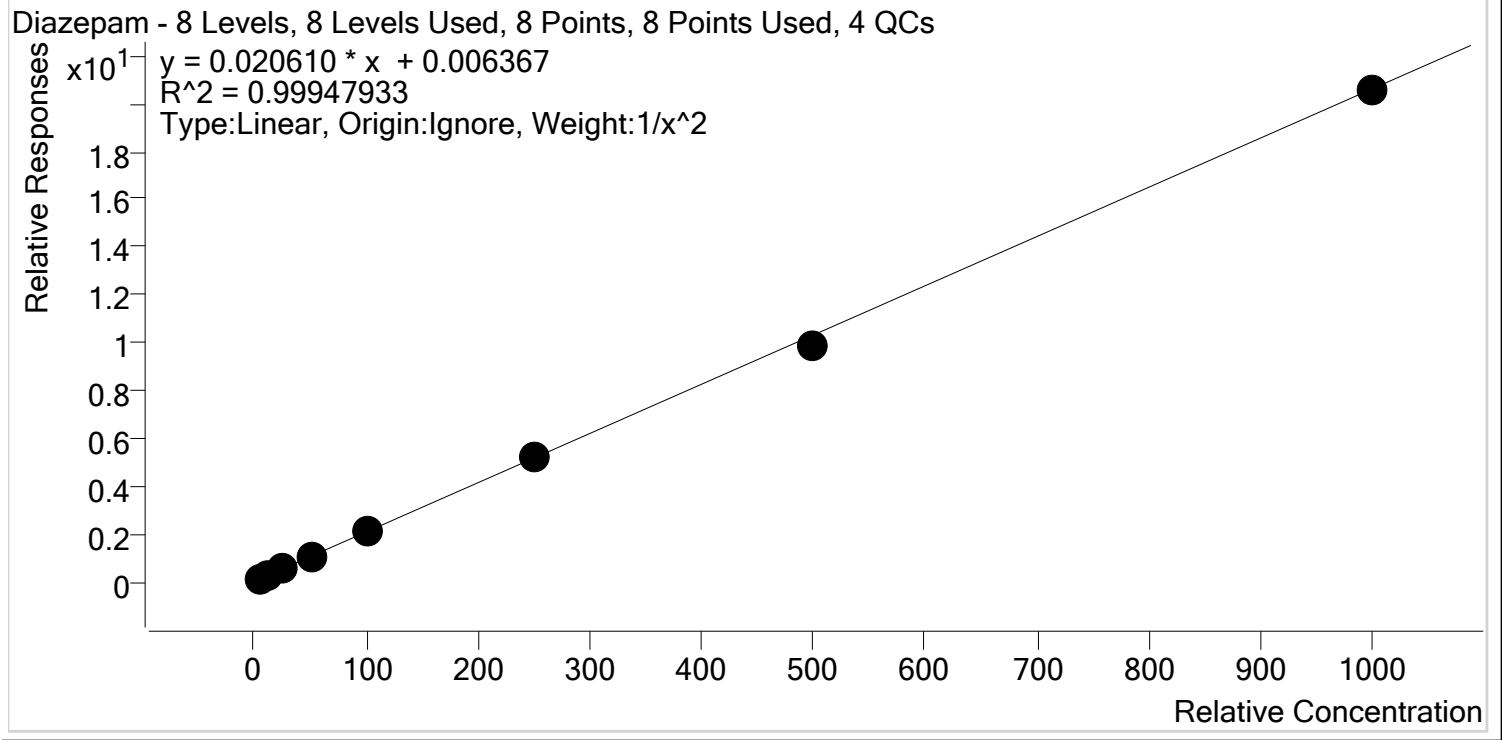


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.0
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.6
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.6
p1 Cal 4-50ng	4	✓	50.0	50.0	100.0
p1 Cal 5-100ng	5	✓	100.0	98.3	98.3
p1 Cal 6-250ng	6	✓	250.0	249.8	99.9
p1 Cal 7-500ng	7	✓	500.0	493.5	98.7
p1 Cal 8-1000ng	8	✓	1000.0	1008.5	100.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\091119 MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 9/12/2019 10:10 AM
Analyst Name ISP\datastor
Analyte Diazepam **Internal Standard** Diazepam-D5

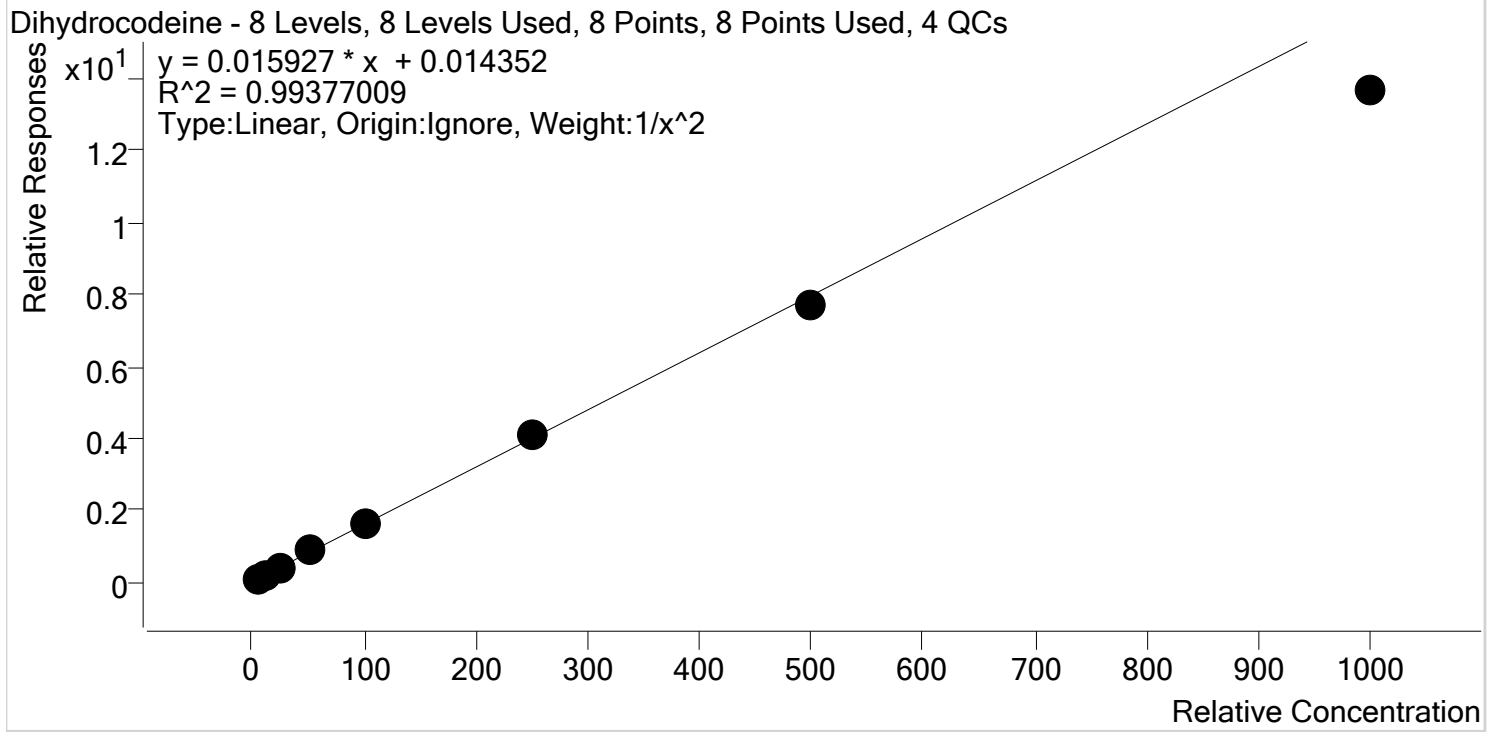


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.4
p1 Cal 2- 10ng	2	✓	10.0	9.8	98.5
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.5
p1 Cal 4-50ng	4	✓	50.0	51.4	102.7
p1 Cal 5-100ng	5	✓	100.0	100.7	100.7
p1 Cal 6-250ng	6	✓	250.0	253.6	101.4
p1 Cal 7-500ng	7	✓	500.0	480.8	96.2
p1 Cal 8-1000ng	8	✓	1000.0	996.5	99.7



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\091119 MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 9/12/2019 10:10 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	4.9	97.1
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.1
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.6
p1 Cal 4-50ng	4	✓	50.0	53.9	107.8
p1 Cal 5-100ng	5	✓	100.0	104.2	104.2
p1 Cal 6-250ng	6	✓	250.0	255.1	102.1
p1 Cal 7-500ng	7	✓	500.0	481.6	96.3
p1 Cal 8-1000ng	8	✓	1000.0	858.3	85.8

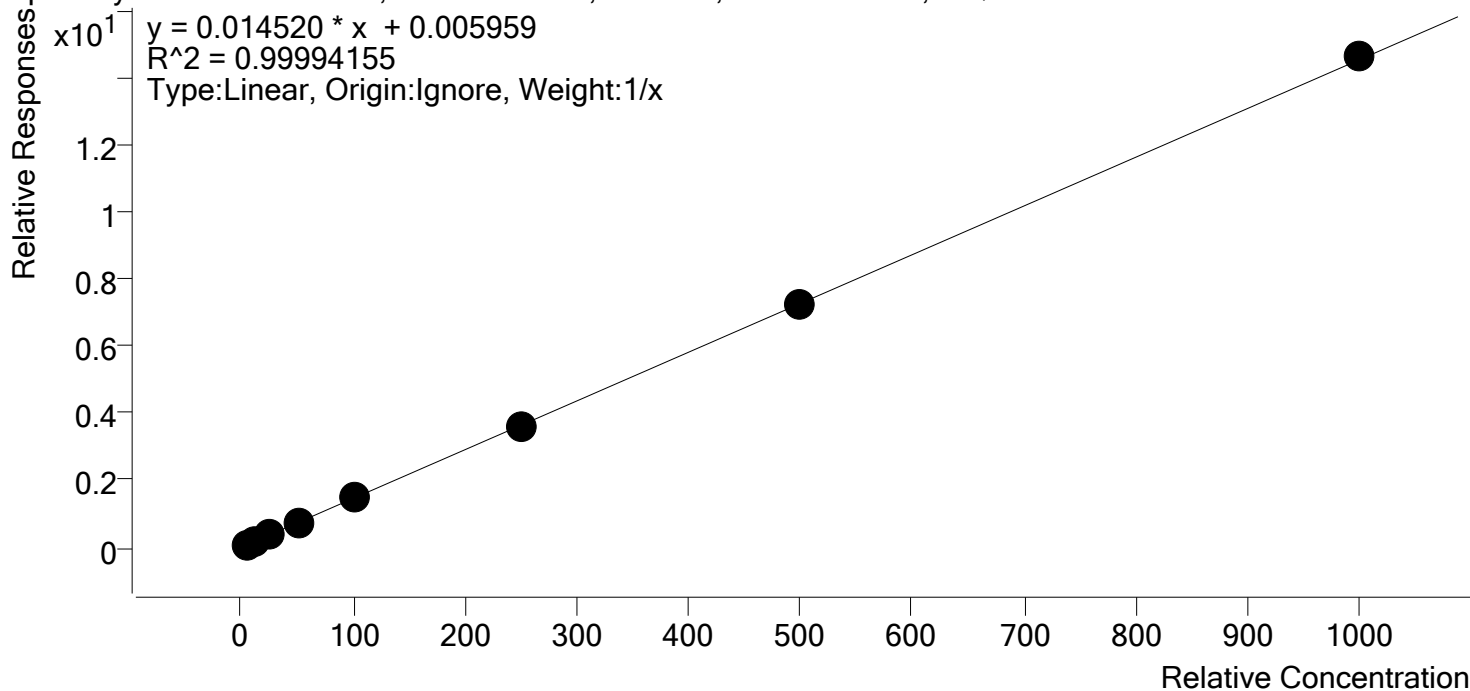
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\091119 MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 9/12/2019 10:10 AM
Analyst Name ISP\datastor
Analyte Diphenhydramine **Internal Standard** Diphenhydramine-D3

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

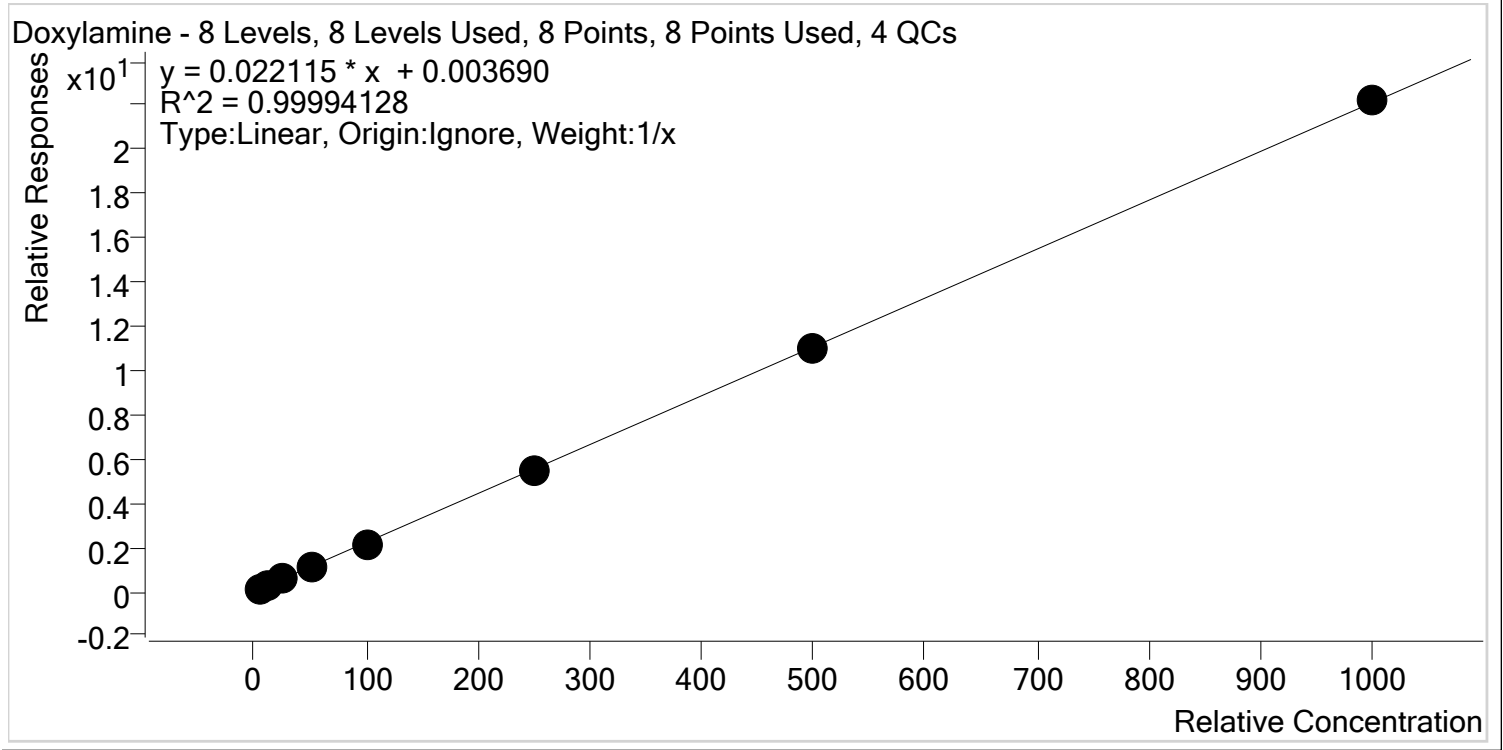


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.2
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.7
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.5
p1 Cal 4-50ng	4	✓	50.0	50.2	100.4
p1 Cal 5-100ng	5	✓	100.0	99.0	99.0
p1 Cal 6-250ng	6	✓	250.0	248.5	99.4
p1 Cal 7-500ng	7	✓	500.0	495.6	99.1
p1 Cal 8-1000ng	8	✓	1000.0	1006.6	100.7

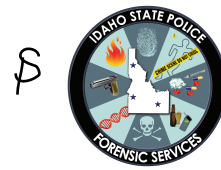


AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\091119 MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 9/12/2019 10:10 AM
Analyst Name ISP\datastor
Analyte Doxylamine **Internal Standard** Doxylamine-D5

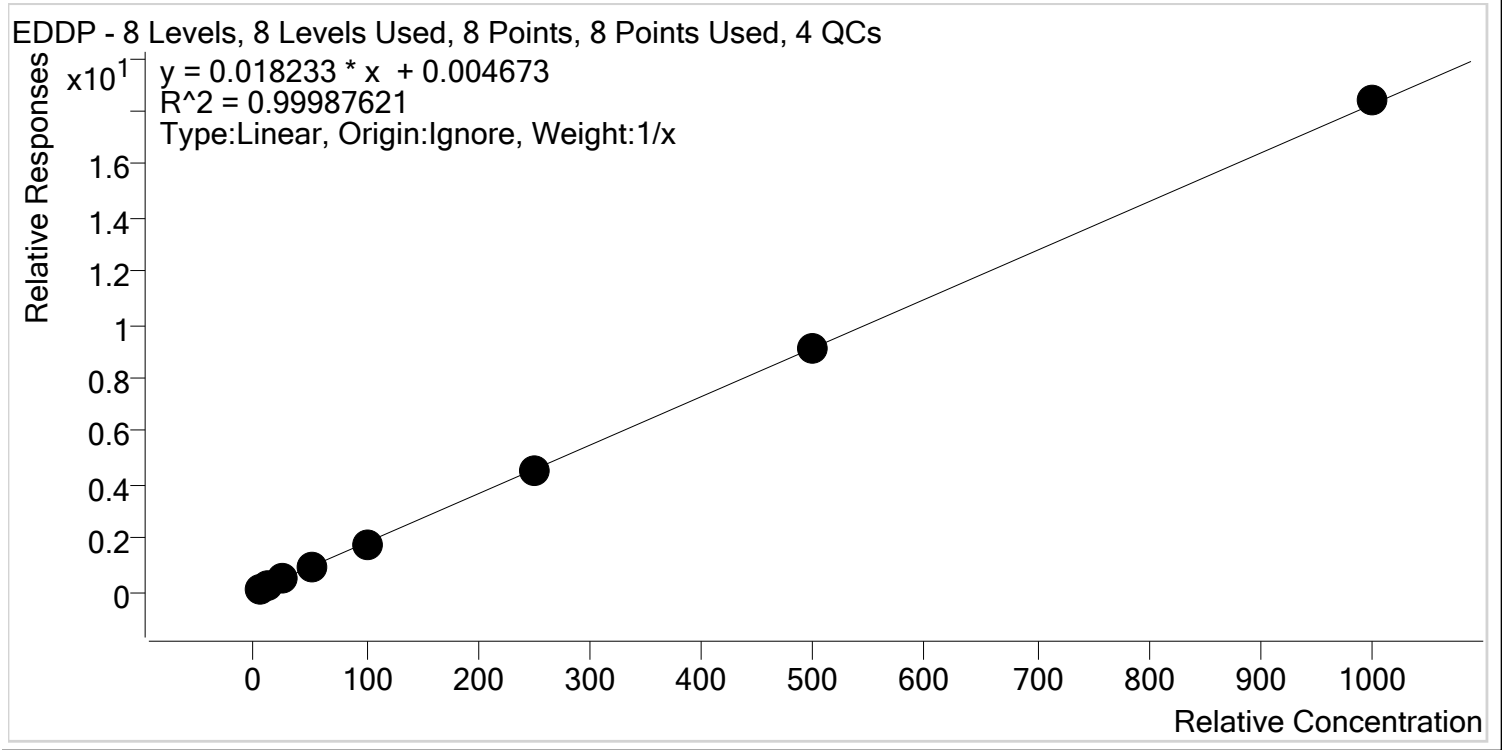


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.9
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.0
p1 Cal 3 -25ng	3	✓	25.0	24.5	97.8
p1 Cal 4-50ng	4	✓	50.0	50.9	101.7
p1 Cal 5-100ng	5	✓	100.0	97.9	97.9
p1 Cal 6-250ng	6	✓	250.0	248.4	99.3
p1 Cal 7-500ng	7	✓	500.0	499.1	99.8
p1 Cal 8-1000ng	8	✓	1000.0	1004.2	100.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\091119 MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 9/12/2019 10:10 AM
Analyst Name ISP\datastor
Analyte EDDP **Internal Standard** EDDP-D3

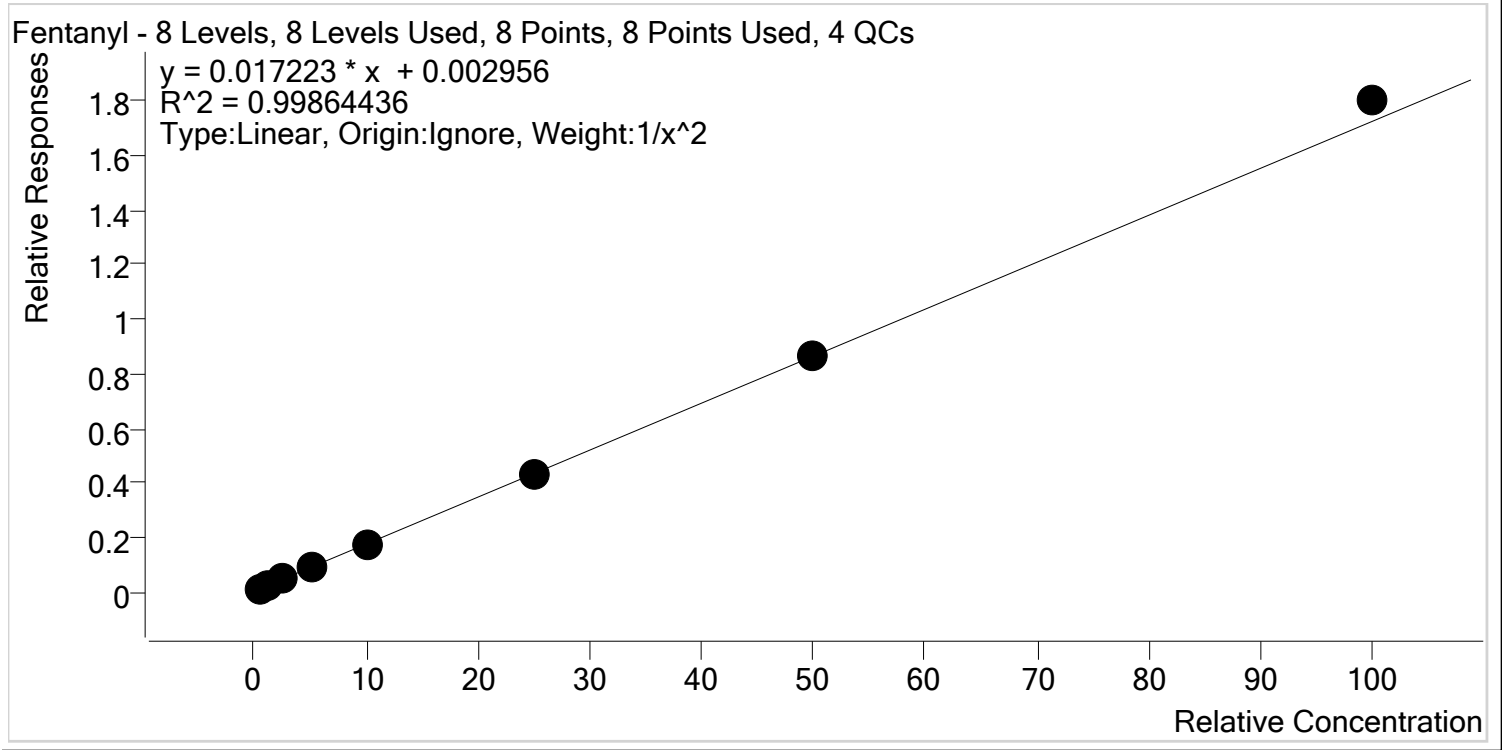


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.7
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.8
p1 Cal 4-50ng	4	✓	50.0	50.6	101.2
p1 Cal 5-100ng	5	✓	100.0	96.8	96.8
p1 Cal 6-250ng	6	✓	250.0	248.3	99.3
p1 Cal 7-500ng	7	✓	500.0	496.4	99.3
p1 Cal 8-1000ng	8	✓	1000.0	1008.0	100.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\091119 MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 9/12/2019 10:10 AM
Analyst Name ISP\datastor
Analyte Fentanyl **Internal Standard** Fentanyl-D5

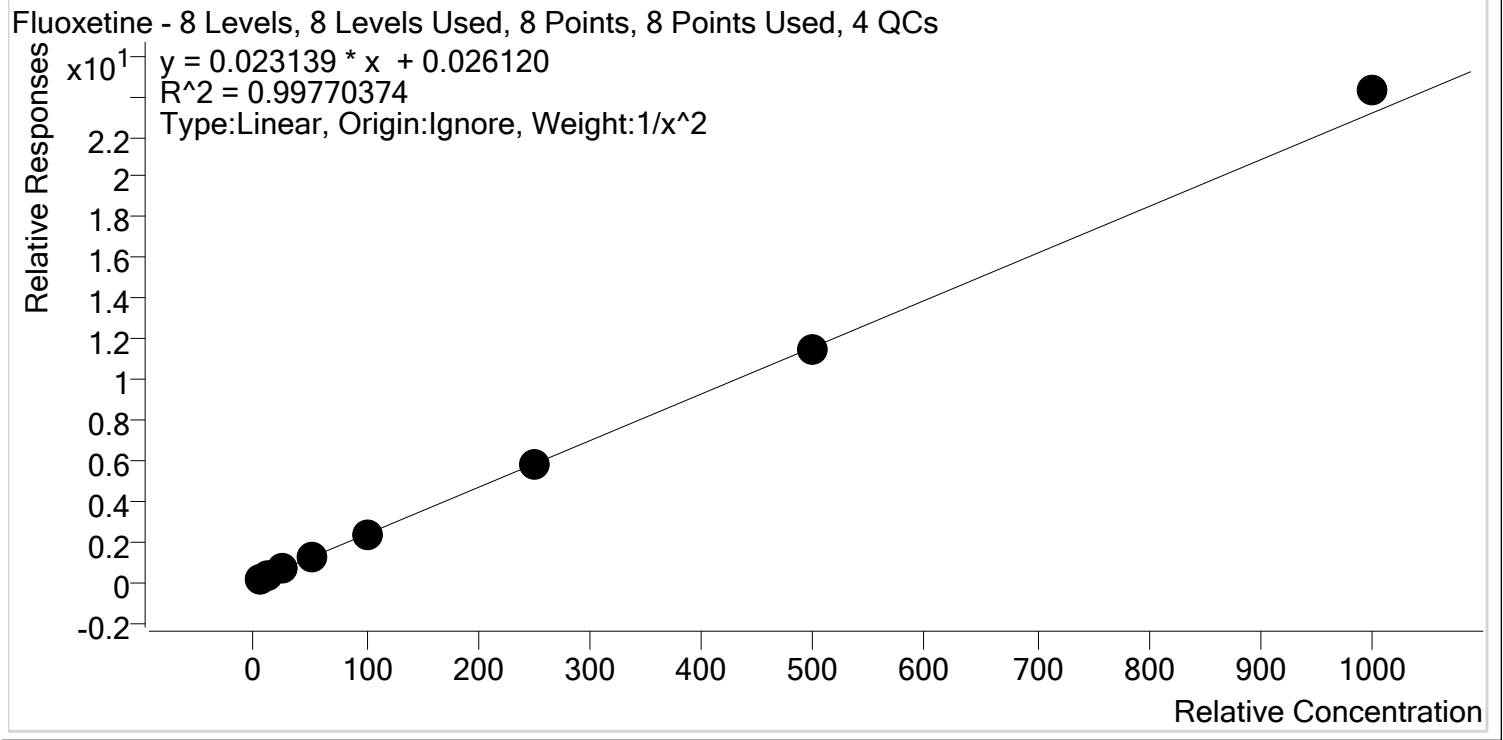


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	98.4
p1 Cal 2- 10ng	2	✓	1.0	1.0	103.5
p1 Cal 3 -25ng	3	✓	2.5	2.6	102.3
p1 Cal 4-50ng	4	✓	5.0	4.7	94.9
p1 Cal 5-100ng	5	✓	10.0	9.8	98.1
p1 Cal 6-250ng	6	✓	25.0	24.6	98.3
p1 Cal 7-500ng	7	✓	50.0	50.0	100.0
p1 Cal 8-1000ng	8	✓	100.0	104.4	104.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\091119 MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 9/12/2019 10:10 AM
Analyst Name ISP\datastor
Analyte Fluoxetine **Internal Standard** Fluoxetine-D6



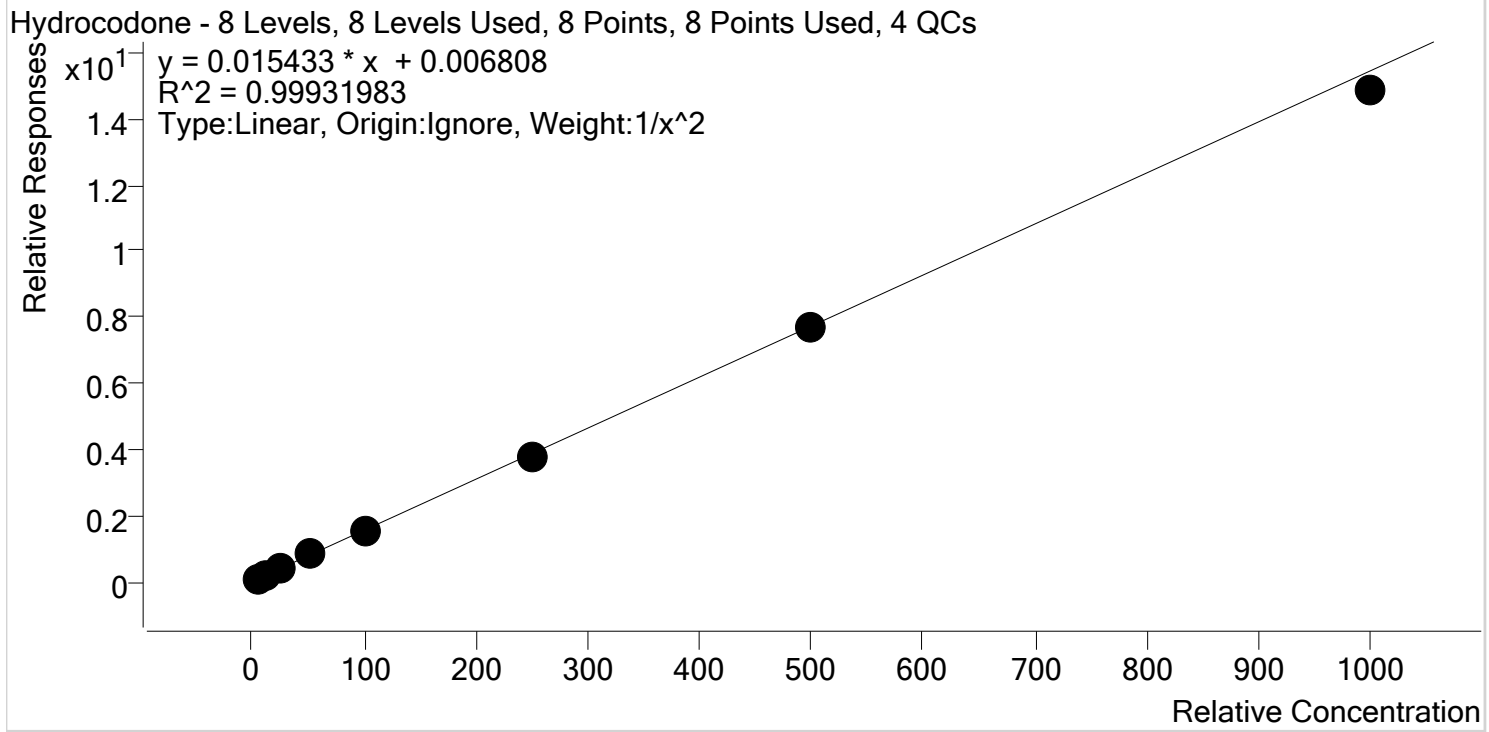
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.5
p1 Cal 2- 10ng	2	✓	10.0	9.2	91.6
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.2
p1 Cal 4-50ng	4	✓	50.0	49.9	99.8
p1 Cal 5-100ng	5	✓	100.0	100.8	100.8
p1 Cal 6-250ng	6	✓	250.0	253.2	101.3
p1 Cal 7-500ng	7	✓	500.0	494.8	99.0
p1 Cal 8-1000ng	8	✓	1000.0	1047.9	104.8

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\091119 MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 9/12/2019 10:10 AM
Analyst Name ISP\datastor
Analyte Hydrocodone **Internal Standard** Hydrocodone-D6

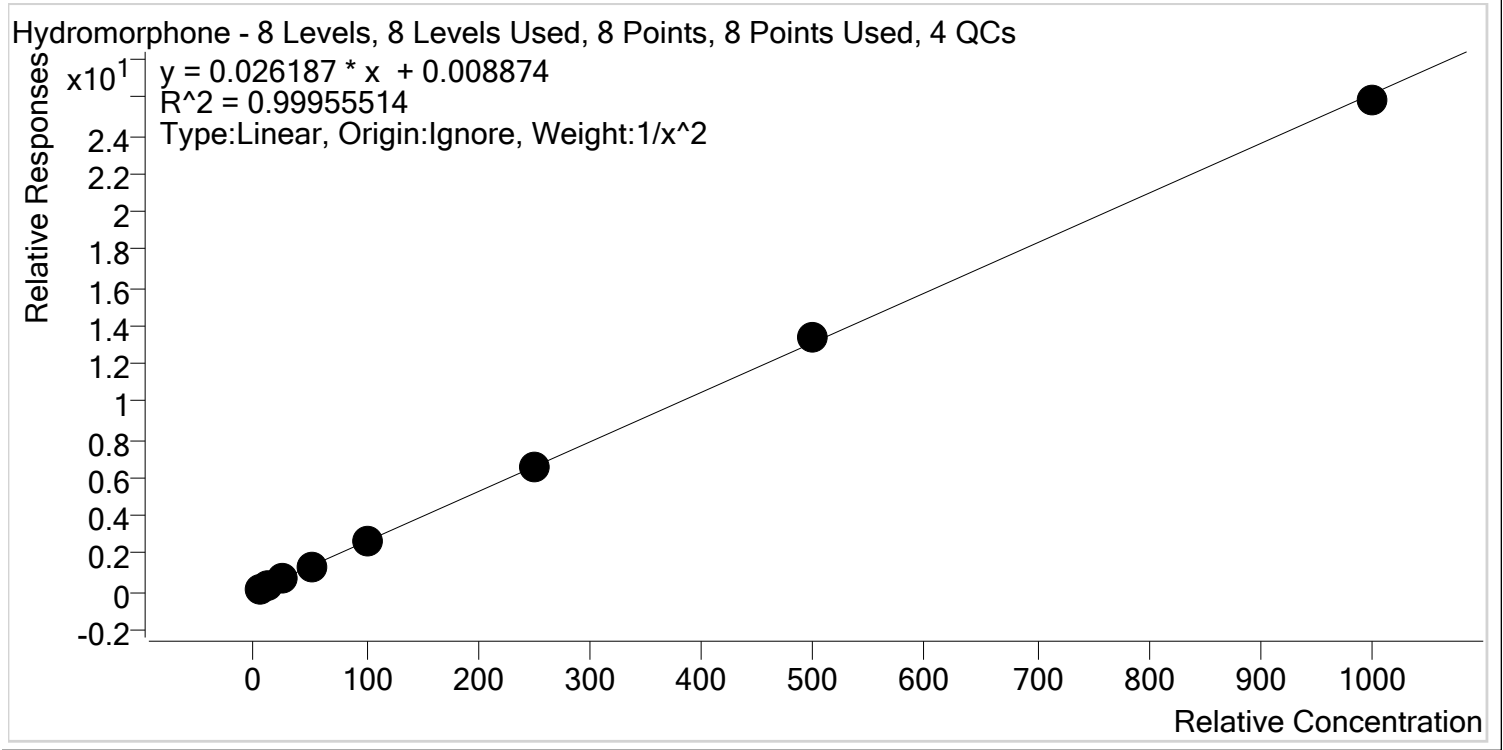


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.0
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.4
p1 Cal 4-50ng	4	✓	50.0	51.8	103.7
p1 Cal 5-100ng	5	✓	100.0	101.3	101.3
p1 Cal 6-250ng	6	✓	250.0	246.0	98.4
p1 Cal 7-500ng	7	✓	500.0	497.5	99.5
p1 Cal 8-1000ng	8	✓	1000.0	961.5	96.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\091119 MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 9/12/2019 10:10 AM
Analyst Name ISP\datastor
Analyte Hydromorphone **Internal Standard** Hydromorphone-D6



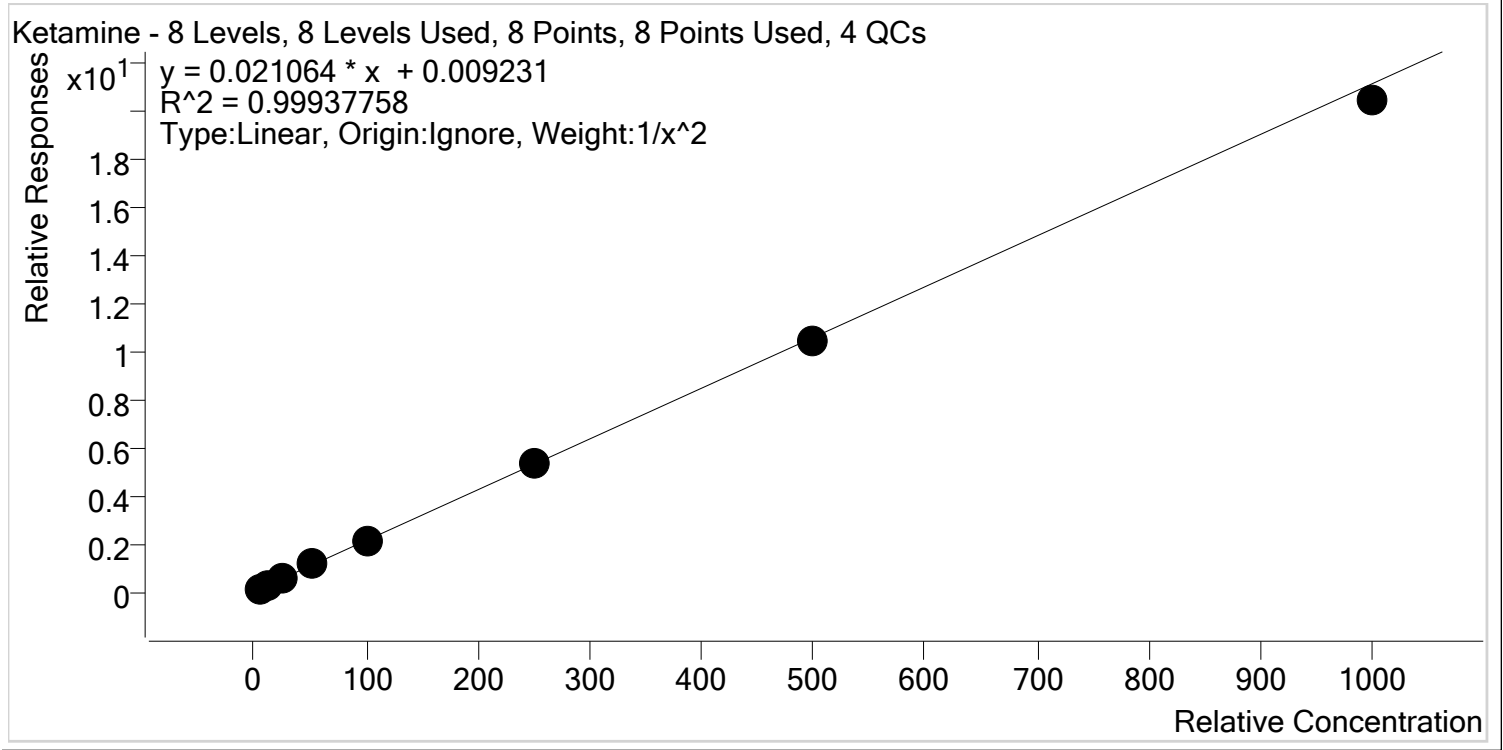
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.2
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.5
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.5
p1 Cal 4-50ng	4	✓	50.0	50.9	101.8
p1 Cal 5-100ng	5	✓	100.0	97.2	97.2
p1 Cal 6-250ng	6	✓	250.0	246.8	98.7
p1 Cal 7-500ng	7	✓	500.0	506.9	101.4
p1 Cal 8-1000ng	8	✓	1000.0	986.5	98.6

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\091119 MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 9/12/2019 10:10 AM
Analyst Name ISP\datastor
Analyte Ketamine **Internal Standard** Ketamine-D4

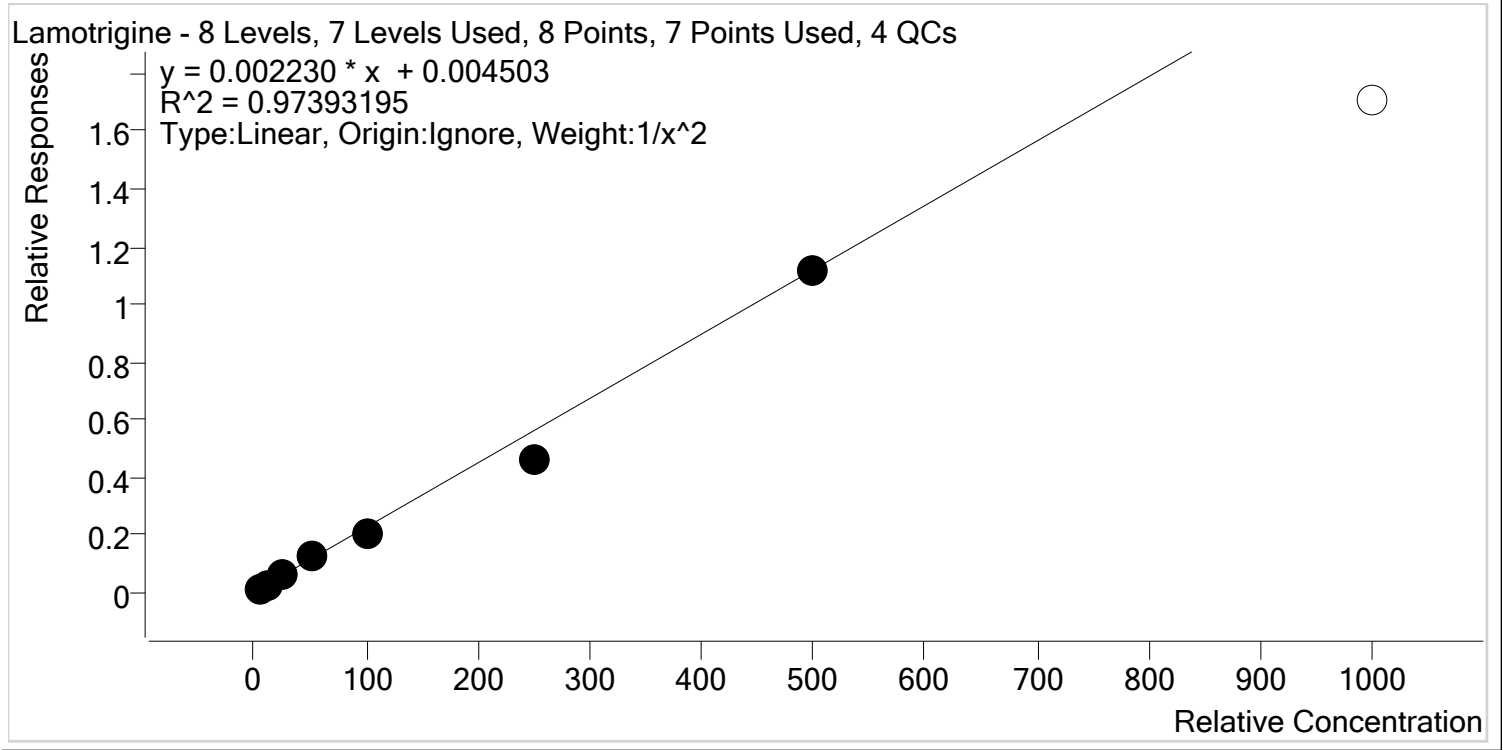


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	99.0
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.1
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.3
p1 Cal 4-50ng	4	✓	50.0	52.0	104.0
p1 Cal 5-100ng	5	✓	100.0	100.2	100.2
p1 Cal 6-250ng	6	✓	250.0	251.3	100.5
p1 Cal 7-500ng	7	✓	500.0	491.2	98.2
p1 Cal 8-1000ng	8	✓	1000.0	966.7	96.7



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\091119 MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 9/12/2019 10:10 AM
Analyst Name ISP\datastor
Analyte Lamotrigine **Internal Standard** Ketamine-D4



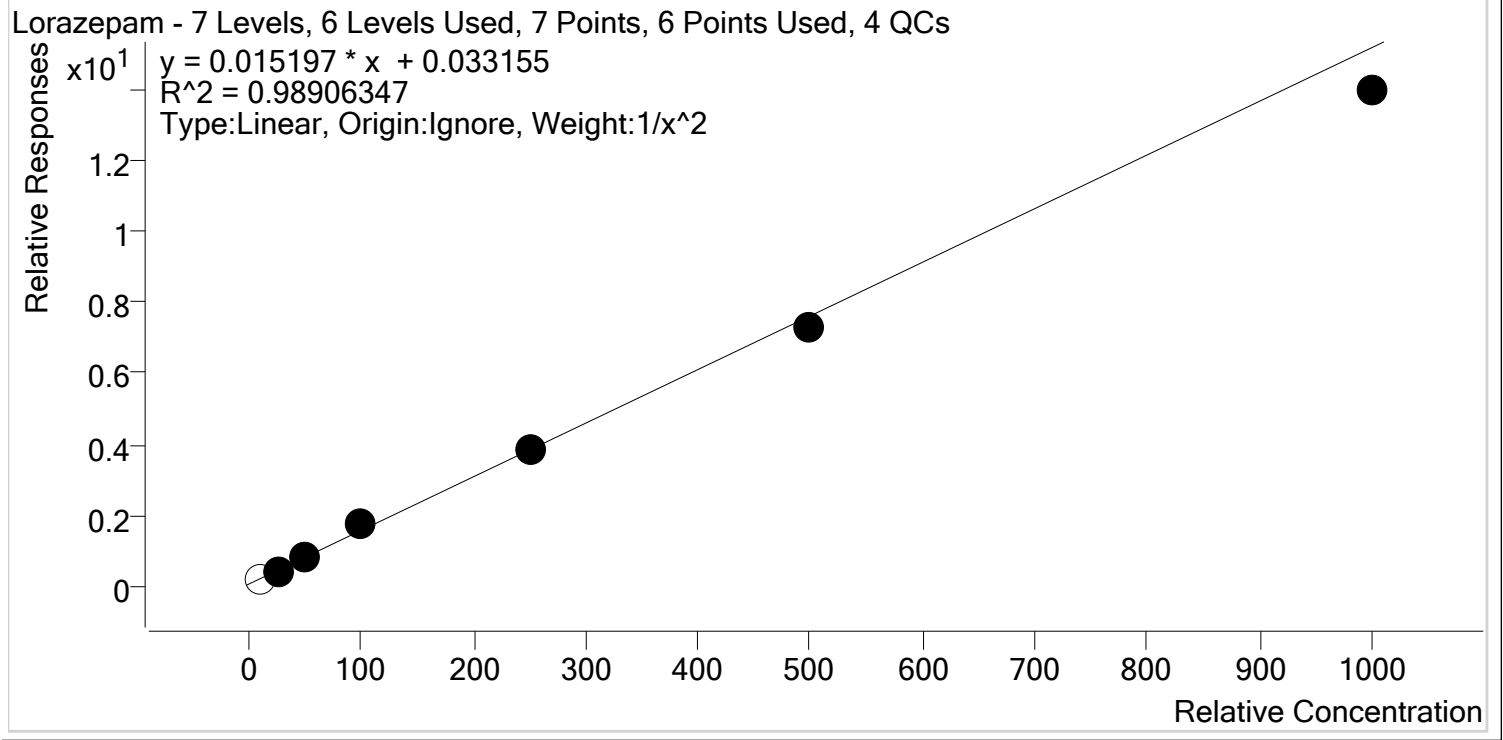
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.5	89.2
p1 Cal 2- 10ng	2	✓	10.0	11.8	117.8
p1 Cal 3 -25ng	3	✓	25.0	26.5	106.2
p1 Cal 4-50ng	4	✓	50.0	57.8	115.5
p1 Cal 5-100ng	5	✓	100.0	89.5	89.5
p1 Cal 6-250ng	6	✓	250.0	204.9	81.9
p1 Cal 7-500ng	7	✓	500.0	499.2	99.8
p1 Cal 8-1000ng	8	✗	1000.0	762.9	76.3

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\091119 MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 9/12/2019 10:10 AM
Analyst Name ISP\datastor
Analyte Lorazepam **Internal Standard** Clonazepam-D4

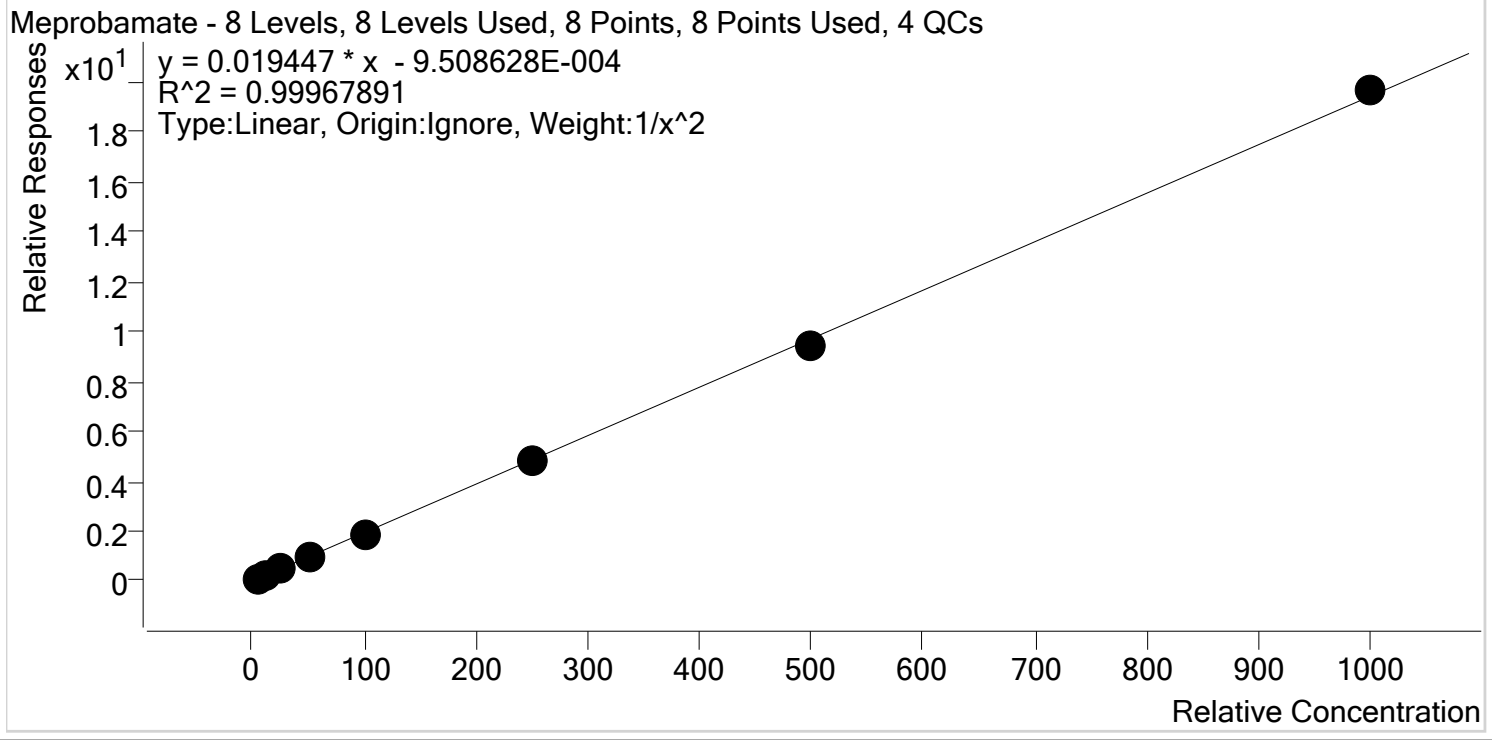


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 2- 10ng	2	x	10.0	10.0	100.3
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.8
p1 Cal 4-50ng	4	✓	50.0	50.8	101.5
p1 Cal 5-100ng	5	✓	100.0	115.7	115.7
p1 Cal 6-250ng	6	✓	250.0	249.1	99.7
p1 Cal 7-500ng	7	✓	500.0	476.7	95.3
p1 Cal 8-1000ng	8	✓	1000.0	919.6	92.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\091119 MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 9/12/2019 10:10 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	98.9
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.7
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.5
p1 Cal 4-50ng	4	✓	50.0	50.0	100.0
p1 Cal 5-100ng	5	✓	100.0	98.6	98.6
p1 Cal 6-250ng	6	✓	250.0	251.8	100.7
p1 Cal 7-500ng	7	✓	500.0	486.8	97.4
p1 Cal 8-1000ng	8	✓	1000.0	1011.7	101.2

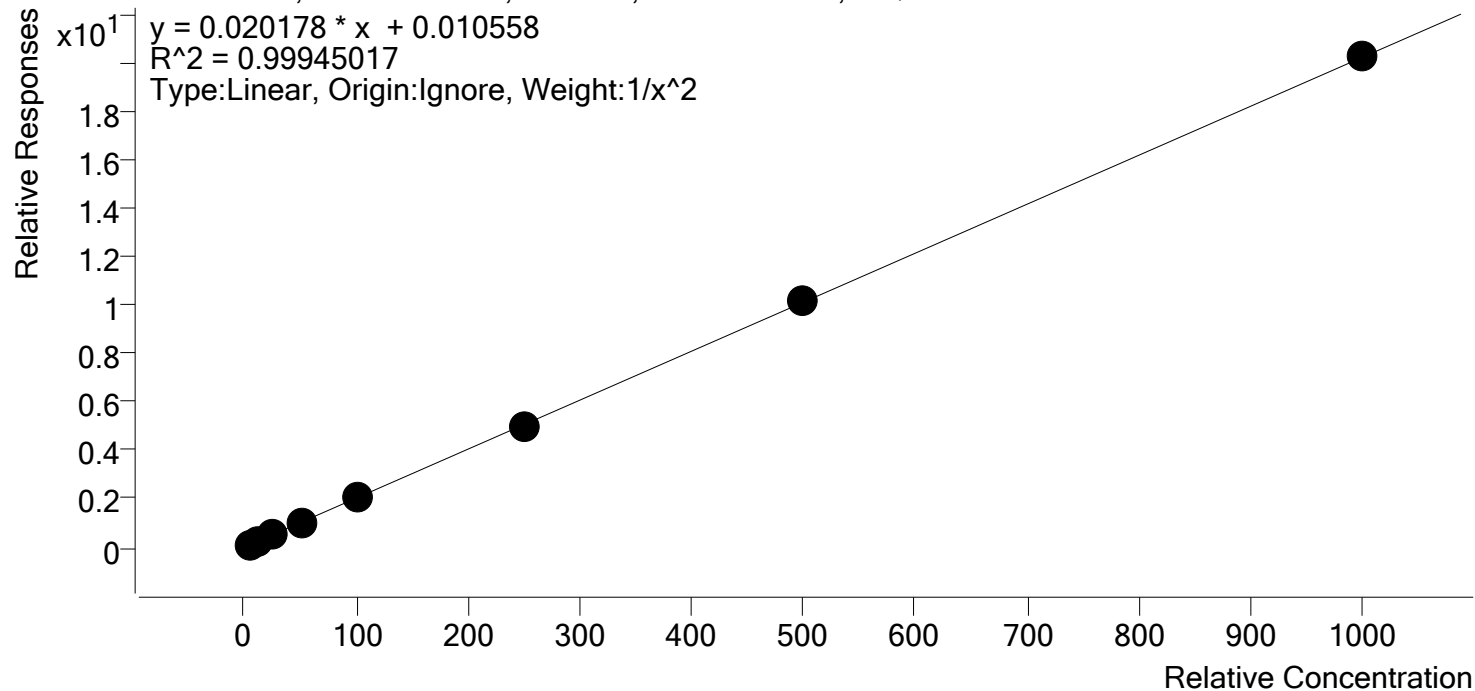
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\091119 MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 9/12/2019 10:10 AM
Analyst Name ISP\datastor
Analyte Methadone **Internal Standard** Methadone-D9

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

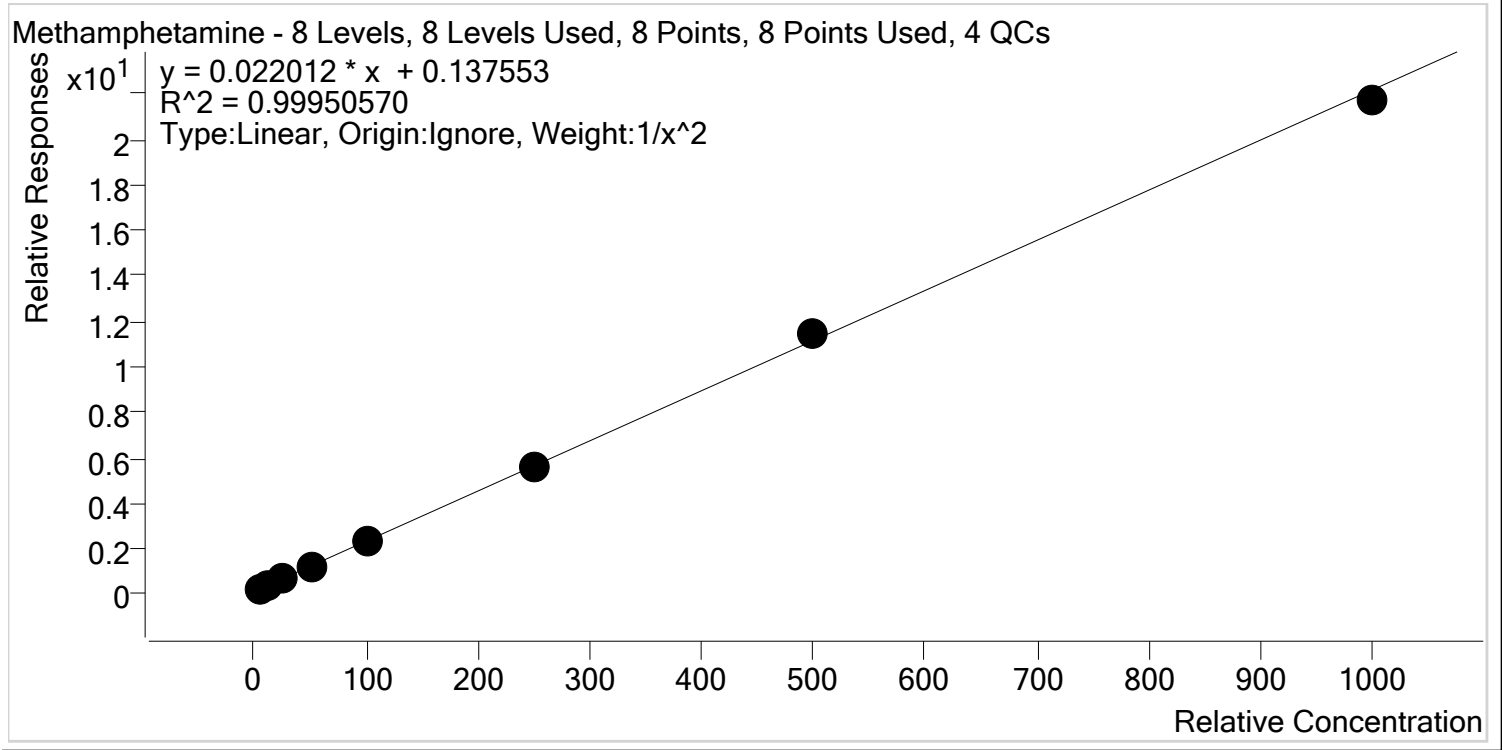


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.9
p1 Cal 2- 10ng	2	✓	10.0	10.4	104.1
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.6
p1 Cal 4-50ng	4	✓	50.0	50.5	101.0
p1 Cal 5-100ng	5	✓	100.0	98.4	98.4
p1 Cal 6-250ng	6	✓	250.0	244.9	98.0
p1 Cal 7-500ng	7	✓	500.0	499.7	99.9
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\091119 MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 9/12/2019 10:10 AM
Analyst Name ISP\datastor
Analyte Methamphetamine **Internal Standard** Methamphetamine-D11

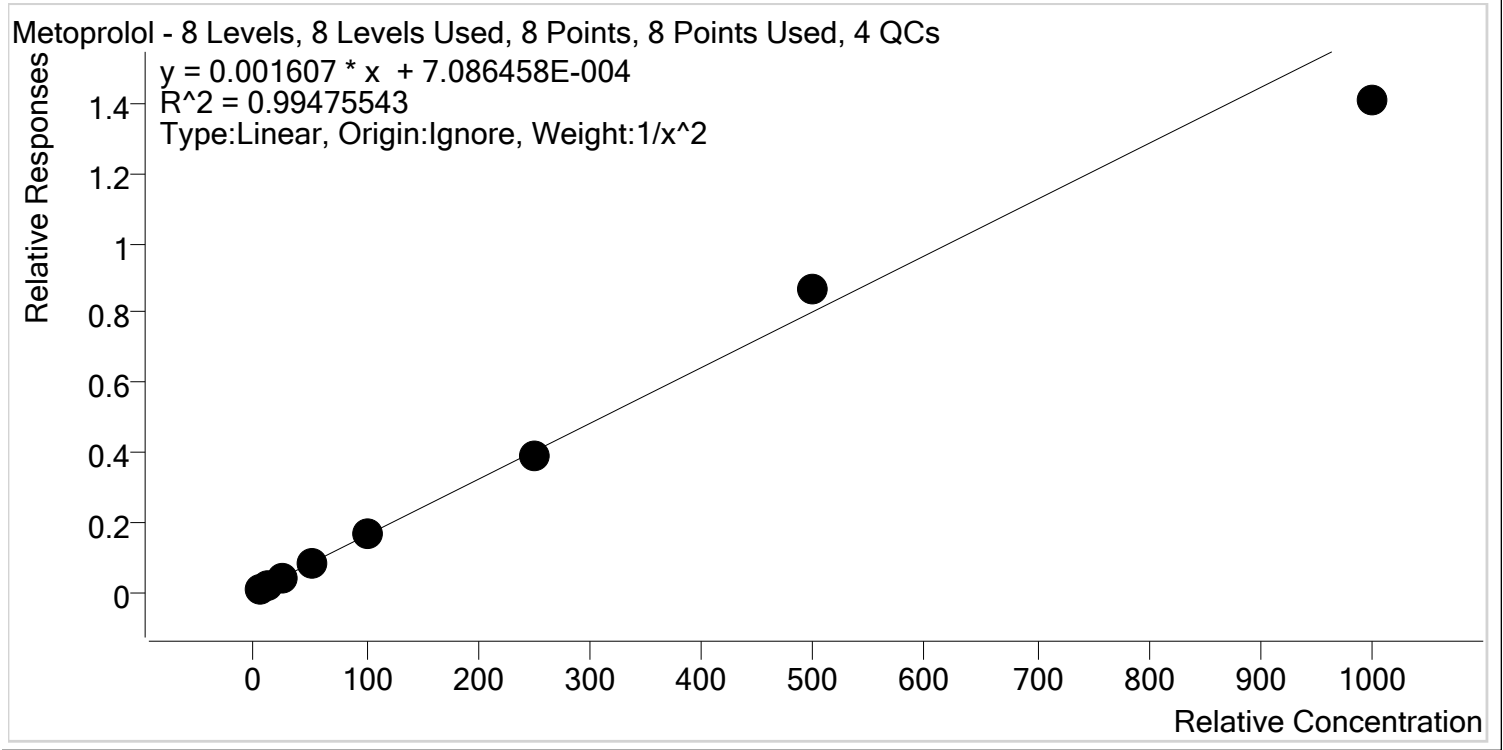


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.5
p1 Cal 2- 10ng	2	✓	10.0	9.7	97.2
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.4
p1 Cal 4-50ng	4	✓	50.0	49.5	99.0
p1 Cal 5-100ng	5	✓	100.0	101.9	101.9
p1 Cal 6-250ng	6	✓	250.0	251.3	100.5
p1 Cal 7-500ng	7	✓	500.0	512.7	102.5
p1 Cal 8-1000ng	8	✓	1000.0	978.8	97.9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\091119 MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 9/12/2019 10:10 AM
Analyst Name ISP\datastor
Analyte Metoprolol **Internal Standard** Tramadol-13C-D3



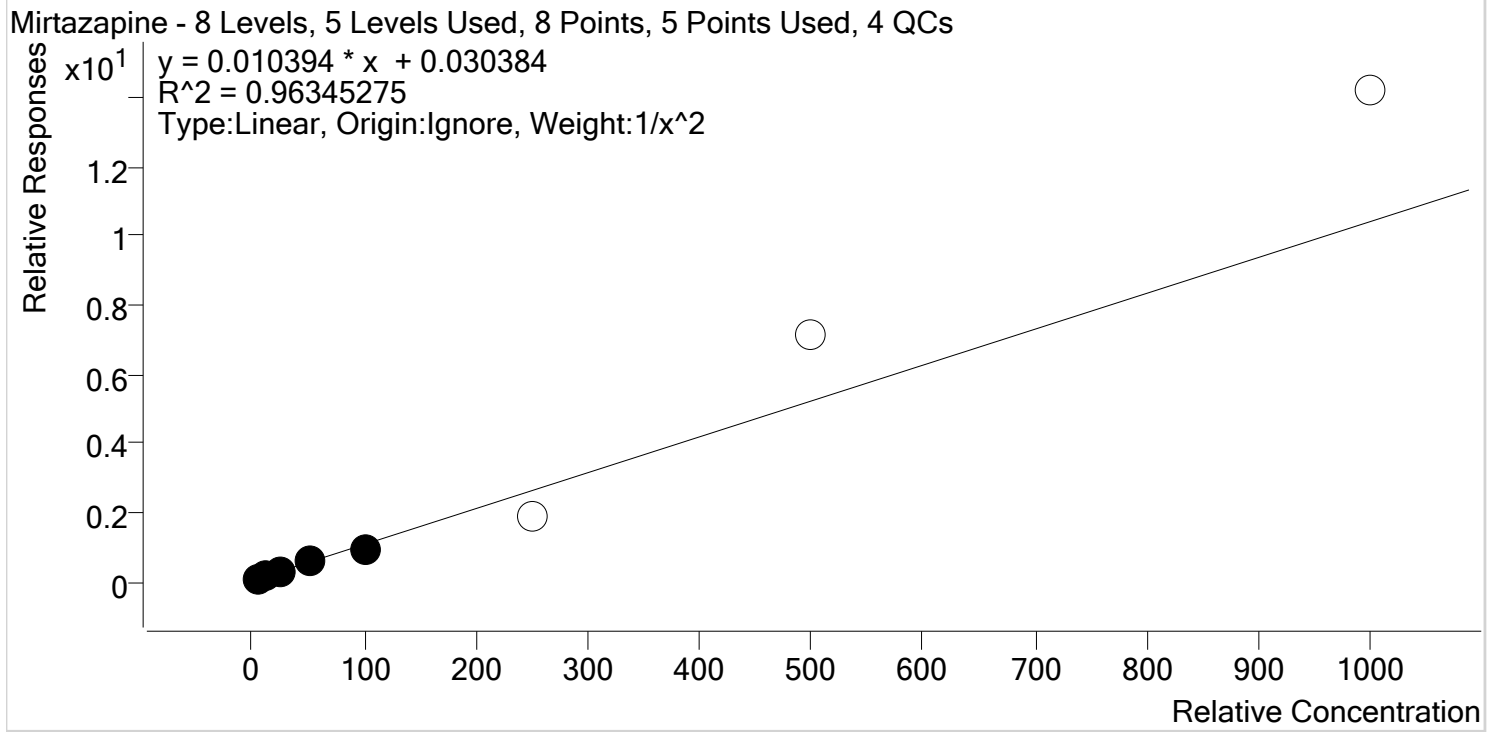
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.2
p1 Cal 2- 10ng	2	✓	10.0	10.5	105.1
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.9
p1 Cal 4-50ng	4	✓	50.0	52.1	104.2
p1 Cal 5-100ng	5	✓	100.0	102.5	102.5
p1 Cal 6-250ng	6	✓	250.0	242.2	96.9
p1 Cal 7-500ng	7	✓	500.0	538.1	107.6
p1 Cal 8-1000ng	8	✓	1000.0	876.8	87.7

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\091119 MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 9/12/2019 10:10 AM
Analyst Name ISP\datastor
Analyte Mirtazapine **Internal Standard** alpha-PVP-d8

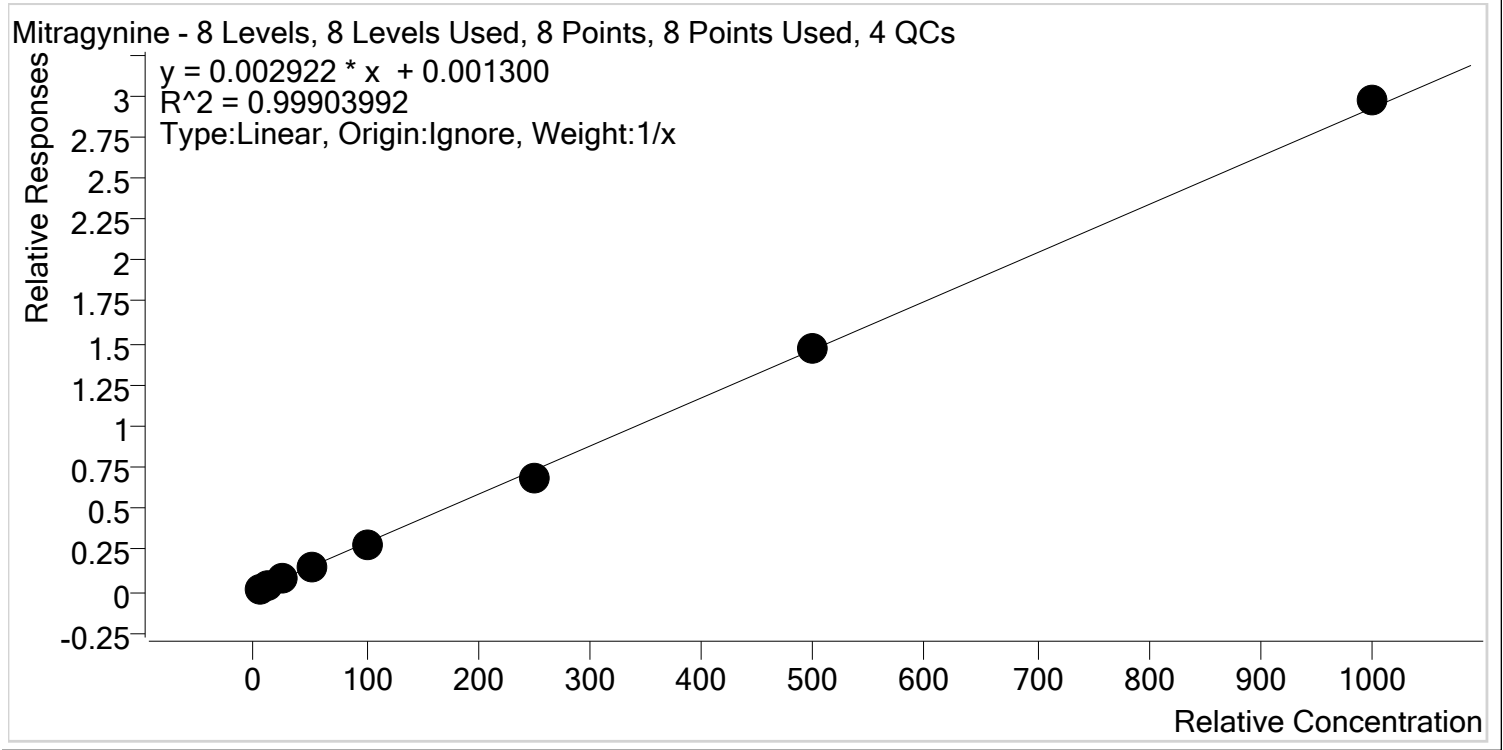


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.5	90.5
p1 Cal 2- 10ng	2	✓	10.0	11.9	118.6
p1 Cal 3 -25ng	3	✓	25.0	25.2	101.0
p1 Cal 4-50ng	4	✓	50.0	54.6	109.3
p1 Cal 5-100ng	5	✓	100.0	80.6	80.6
p1 Cal 6-250ng	6	x	250.0	179.0	71.6
p1 Cal 7-500ng	7	x	500.0	683.4	136.7
p1 Cal 8-1000ng	8	x	1000.0	1365.3	136.5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\091119 MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 9/12/2019 10:10 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	4.8	96.0
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.4
p1 Cal 3 -25ng	3	✓	25.0	26.8	107.2
p1 Cal 4-50ng	4	✓	50.0	51.0	101.9
p1 Cal 5-100ng	5	✓	100.0	97.7	97.7
p1 Cal 6-250ng	6	✓	250.0	232.4	93.0
p1 Cal 7-500ng	7	✓	500.0	501.6	100.3
p1 Cal 8-1000ng	8	✓	1000.0	1015.5	101.6

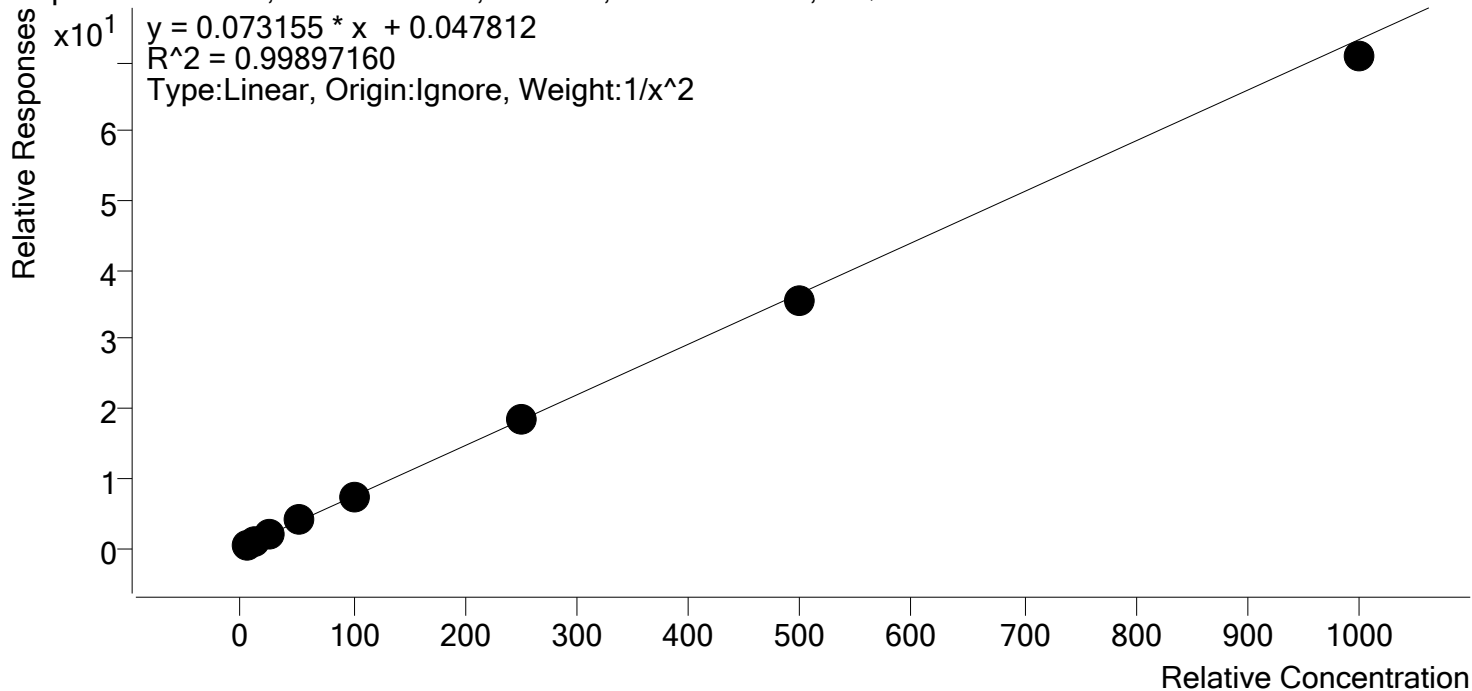
S



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\091119 MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 9/12/2019 10:10 AM
Analyst Name ISP\datastor
Analyte Morphine **Internal Standard** Morphine-D6

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

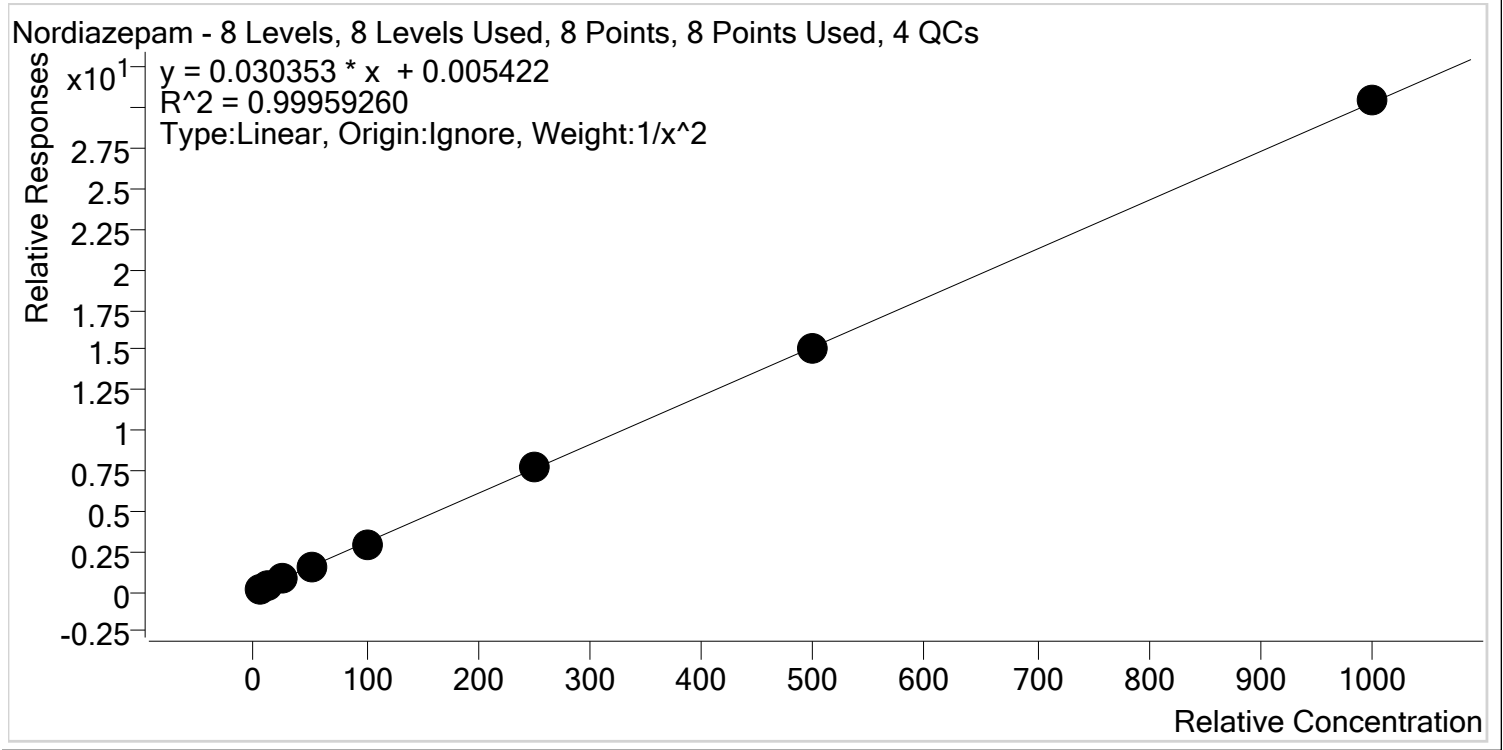


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.9
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.9
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.5
p1 Cal 4-50ng	4	✓	50.0	52.8	105.6
p1 Cal 5-100ng	5	✓	100.0	100.8	100.8
p1 Cal 6-250ng	6	✓	250.0	249.3	99.7
p1 Cal 7-500ng	7	✓	500.0	485.0	97.0
p1 Cal 8-1000ng	8	✓	1000.0	966.3	96.6



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\091119 MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 9/12/2019 10:10 AM
Analyst Name ISP\datastor
Analyte Nordiazepam **Internal Standard** Nordiazepam-D5



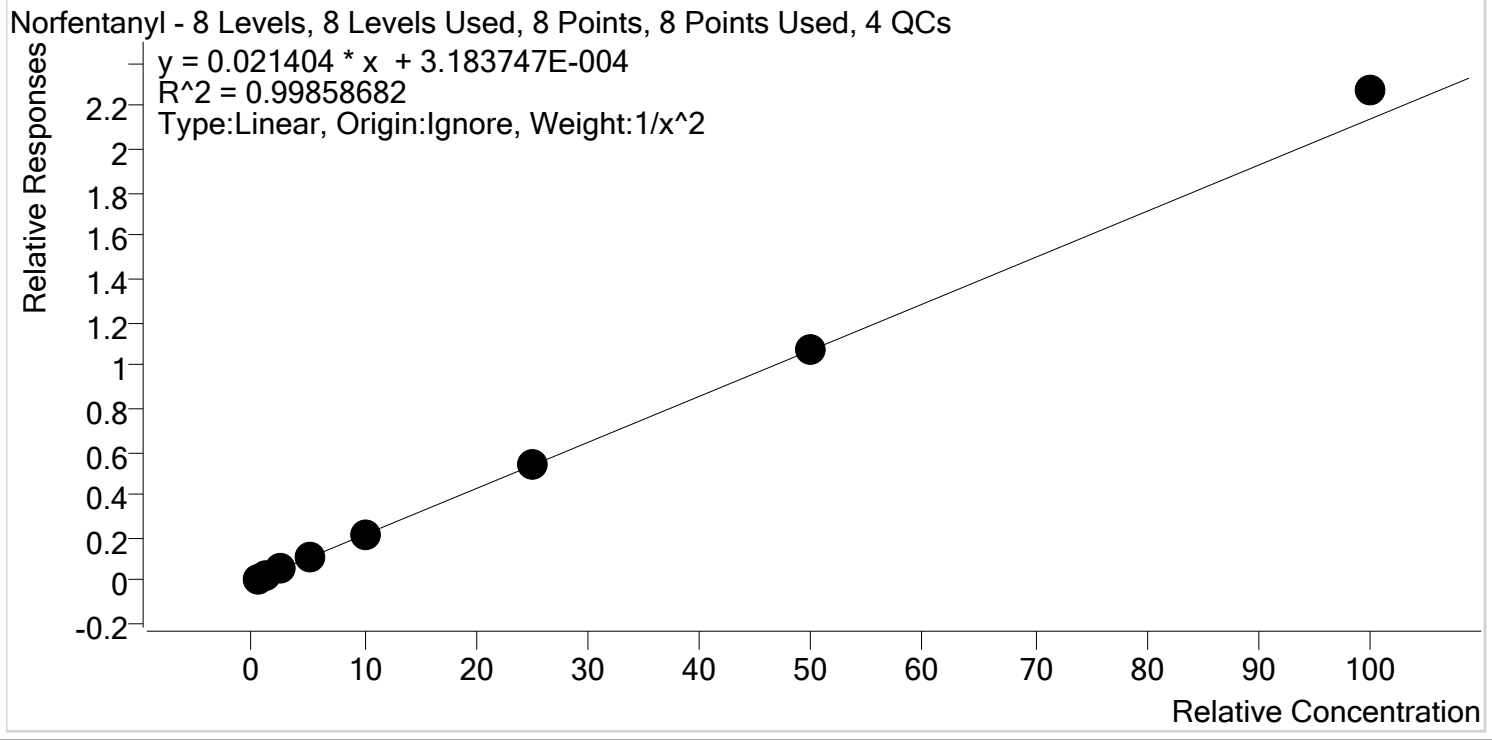
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.7
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.7
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.8
p1 Cal 4-50ng	4	✓	50.0	49.6	99.2
p1 Cal 5-100ng	5	✓	100.0	98.5	98.5
p1 Cal 6-250ng	6	✓	250.0	258.0	103.2
p1 Cal 7-500ng	7	✓	500.0	497.7	99.5
p1 Cal 8-1000ng	8	✓	1000.0	1004.3	100.4

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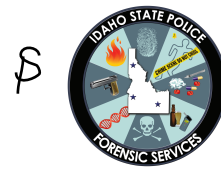


AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\091119 MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 9/12/2019 10:10 AM
Analyst Name ISP\datastor
Analyte Norfentanyl **Internal Standard** Norfentanyl-D5

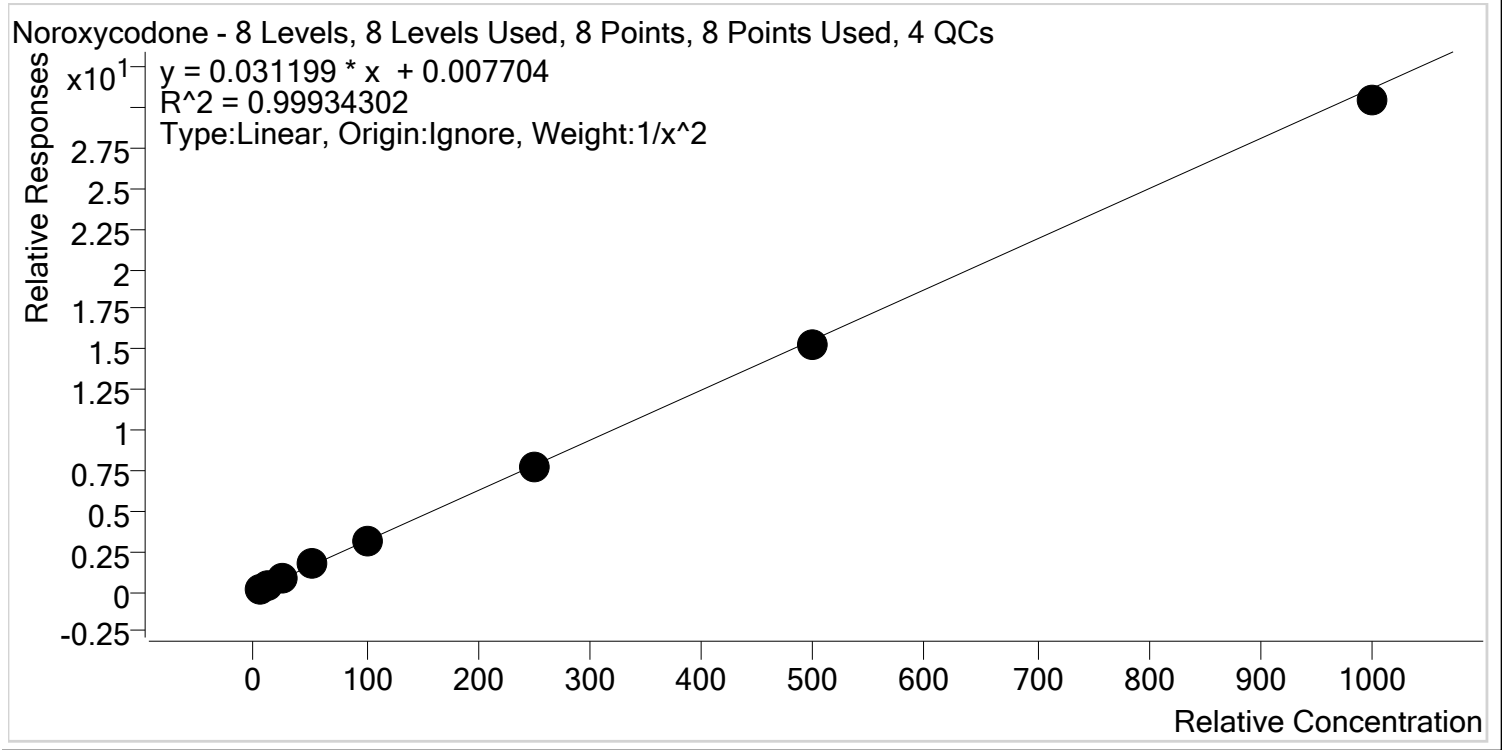


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	102.5
p1 Cal 2- 10ng	2	✓	1.0	1.0	96.3
p1 Cal 3 -25ng	3	✓	2.5	2.4	97.5
p1 Cal 4-50ng	4	✓	5.0	5.0	99.1
p1 Cal 5-100ng	5	✓	10.0	9.7	97.1
p1 Cal 6-250ng	6	✓	25.0	25.1	100.3
p1 Cal 7-500ng	7	✓	50.0	50.5	101.0
p1 Cal 8-1000ng	8	✓	100.0	106.2	106.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\091119 MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 9/12/2019 10:10 AM
Analyst Name ISP\datastor
Analyte Noroxycodone **Internal Standard** Noroxycodone-D3

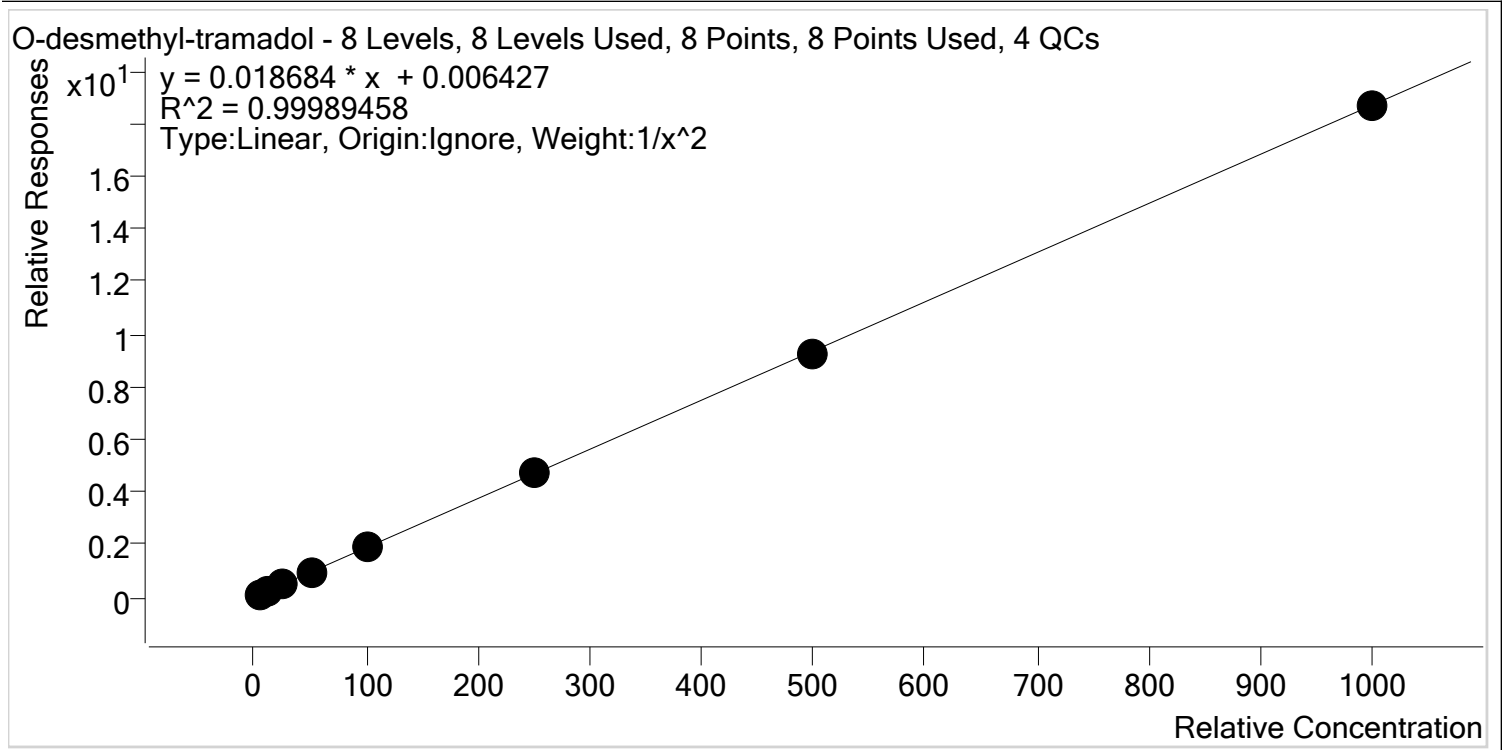


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	99.0
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.4
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.2
p1 Cal 4-50ng	4	✓	50.0	52.0	104.0
p1 Cal 5-100ng	5	✓	100.0	100.3	100.3
p1 Cal 6-250ng	6	✓	250.0	247.4	99.0
p1 Cal 7-500ng	7	✓	500.0	488.0	97.6
p1 Cal 8-1000ng	8	✓	1000.0	975.5	97.5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\091119 MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 9/12/2019 10:10 AM
Analyst Name ISP\datastor
Analyte O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6



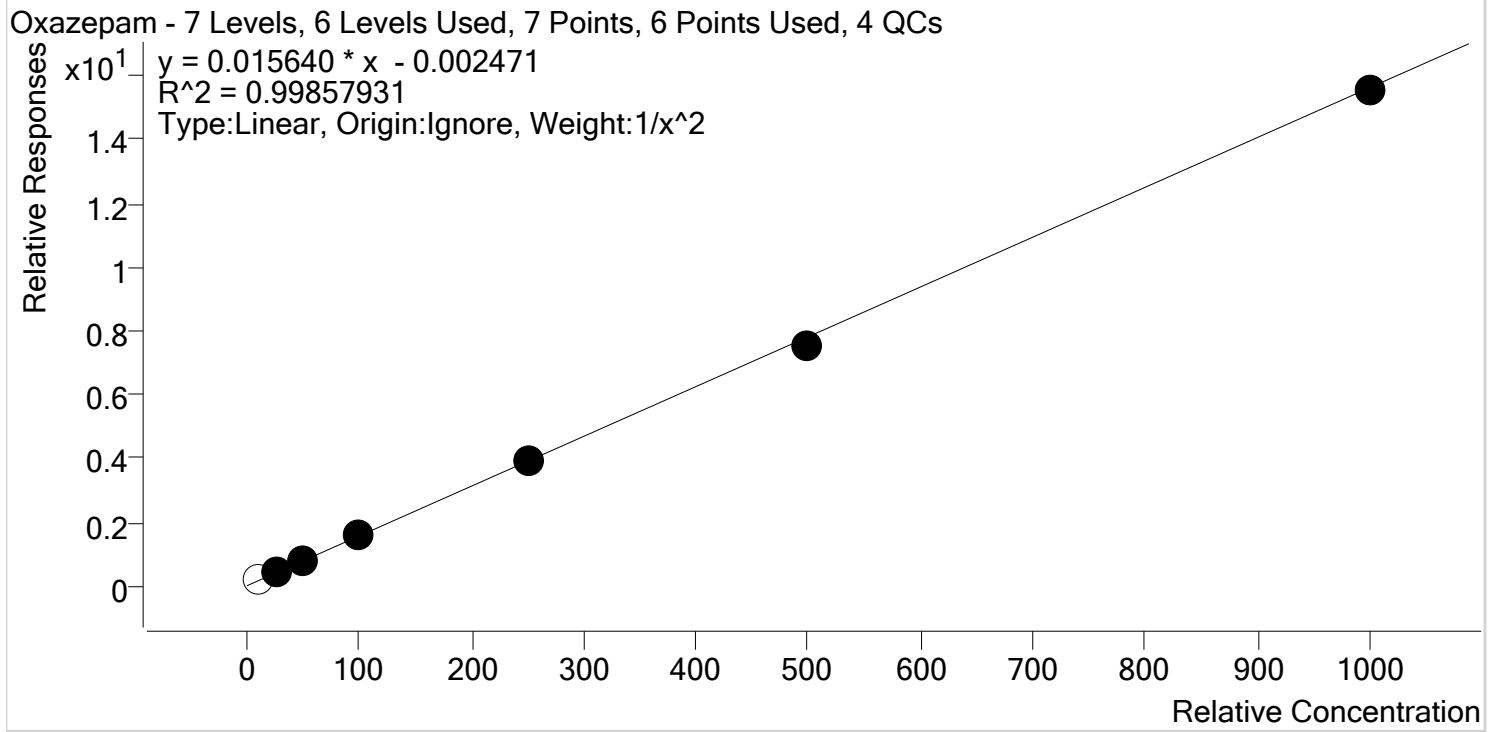
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.8
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.3
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.0
p1 Cal 4-50ng	4	✓	50.0	50.6	101.2
p1 Cal 5-100ng	5	✓	100.0	98.8	98.8
p1 Cal 6-250ng	6	✓	250.0	252.9	101.2
p1 Cal 7-500ng	7	✓	500.0	494.6	98.9
p1 Cal 8-1000ng	8	✓	1000.0	997.7	99.8

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\091119 MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 9/12/2019 10:10 AM
Analyst Name ISP\datastor
Analyte Oxazepam **Internal Standard** Oxazepam-D5



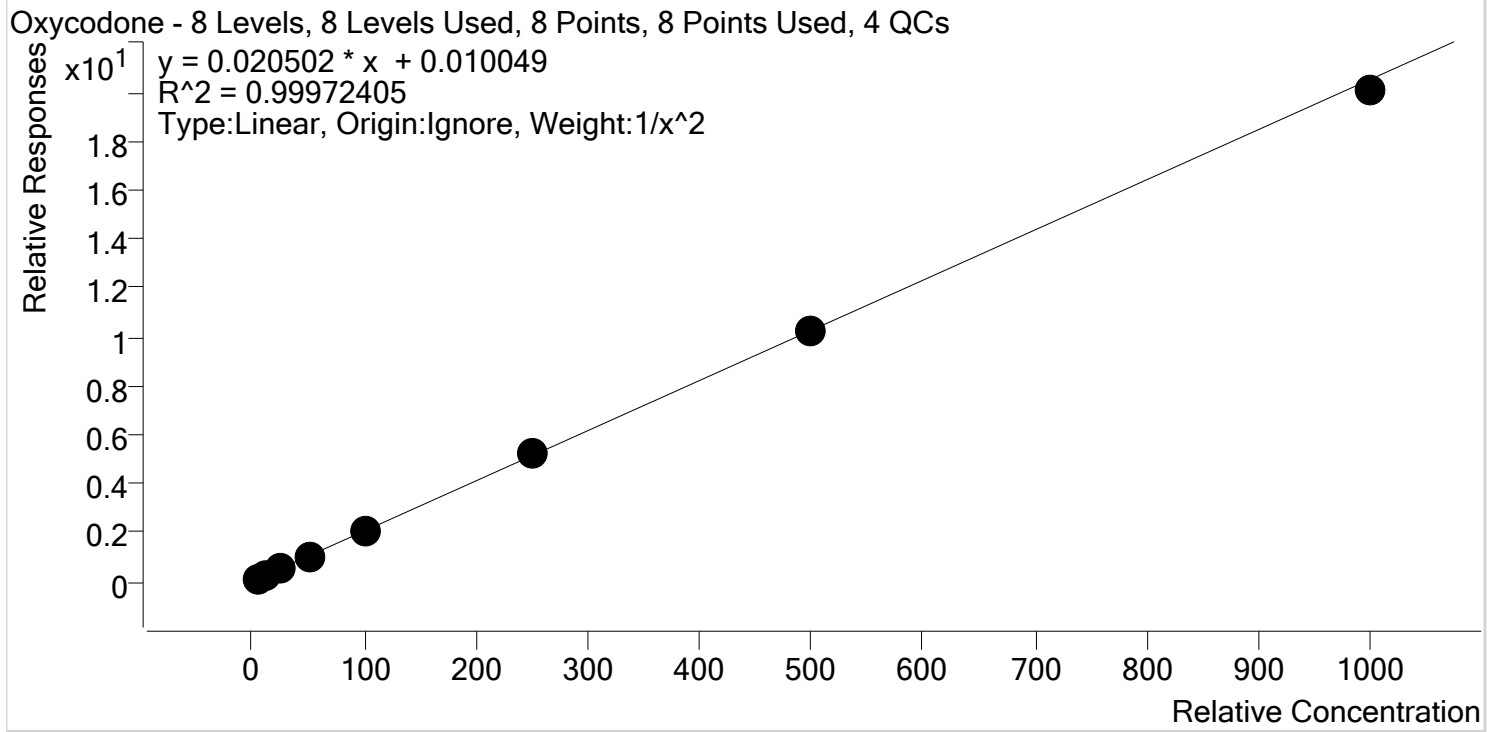
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 2- 10ng	2	x	10.0	14.3	142.6
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.4
p1 Cal 4-50ng	4	✓	50.0	52.0	104.0
p1 Cal 5-100ng	5	✓	100.0	103.2	103.2
p1 Cal 6-250ng	6	✓	250.0	248.7	99.5
p1 Cal 7-500ng	7	✓	500.0	482.5	96.5
p1 Cal 8-1000ng	8	✓	1000.0	993.8	99.4

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\091119 MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 9/12/2019 10:10 AM
Analyst Name ISP\datastor
Analyte Oxycodone **Internal Standard** Oxycodone-D6



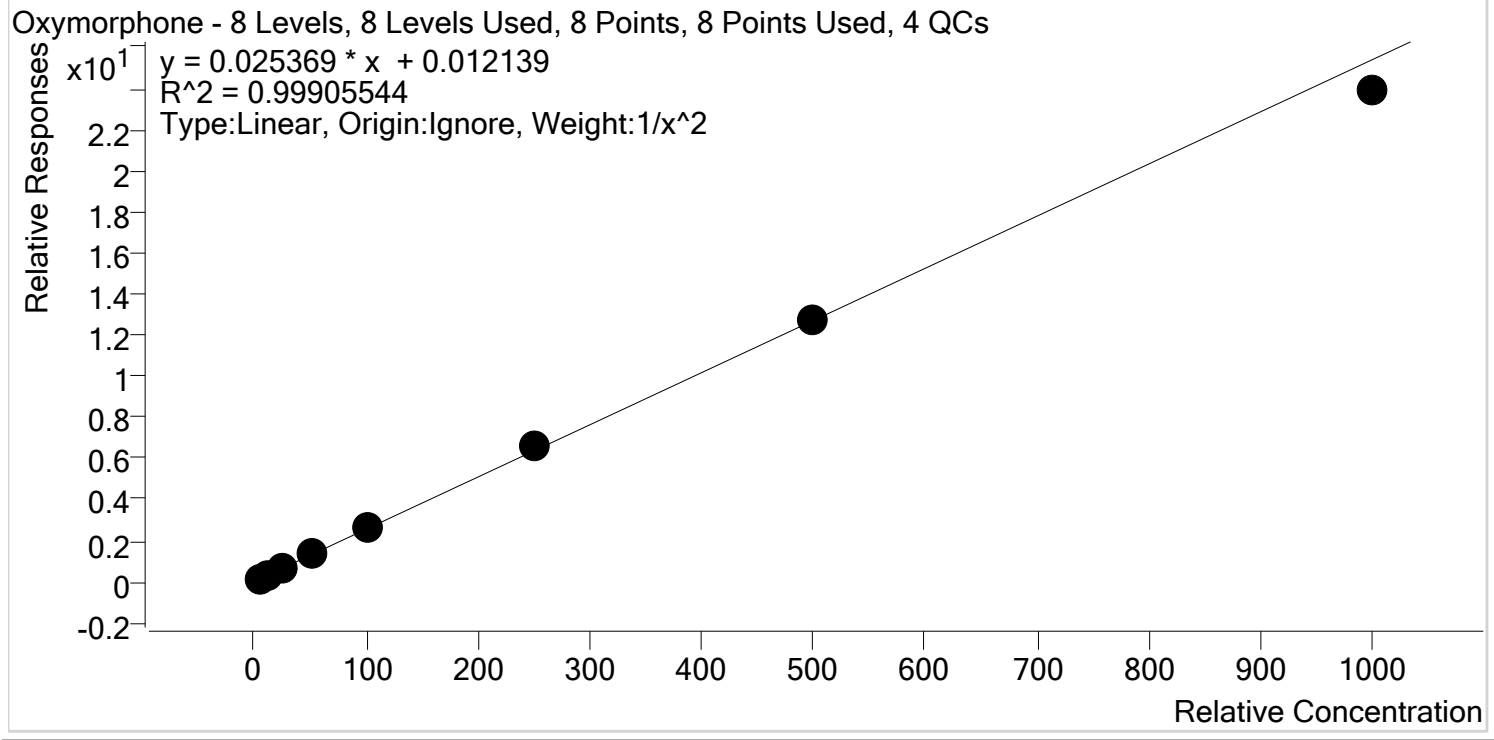
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.9
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.4
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.5
p1 Cal 4-50ng	4	✓	50.0	51.0	102.0
p1 Cal 5-100ng	5	✓	100.0	99.8	99.8
p1 Cal 6-250ng	6	✓	250.0	254.4	101.8
p1 Cal 7-500ng	7	✓	500.0	499.6	99.9
p1 Cal 8-1000ng	8	✓	1000.0	977.8	97.8

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\091119 MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 9/12/2019 10:10 AM
Analyst Name ISP\datastor
Analyte Oxymorphone **Internal Standard** Oxymorphone-D3



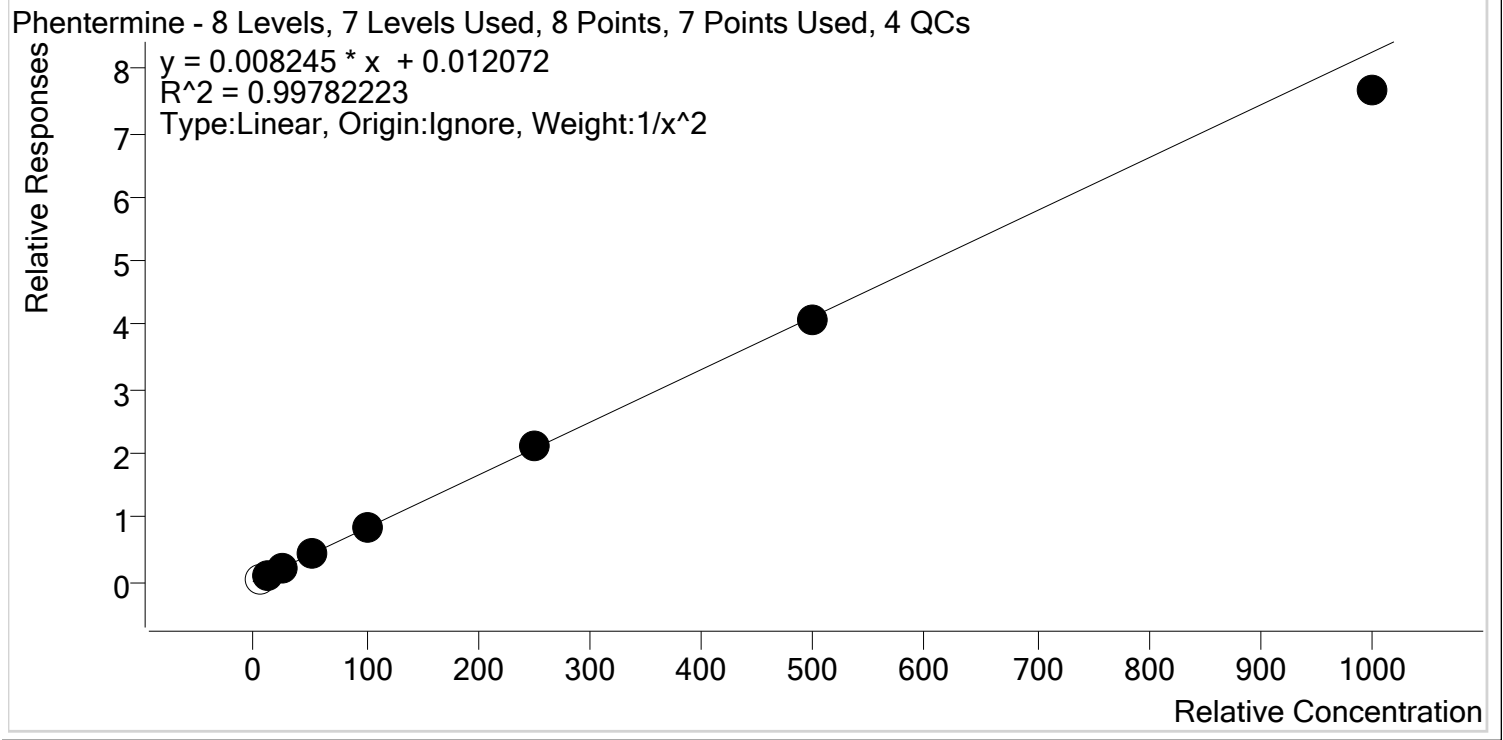
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.7
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.3
p1 Cal 4-50ng	4	✓	50.0	51.1	102.3
p1 Cal 5-100ng	5	✓	100.0	101.3	101.3
p1 Cal 6-250ng	6	✓	250.0	257.0	102.8
p1 Cal 7-500ng	7	✓	500.0	498.7	99.7
p1 Cal 8-1000ng	8	✓	1000.0	940.9	94.1

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\091119 MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 9/12/2019 10:10 AM
Analyst Name ISP\datastor
Analyte Phentermine **Internal Standard** Phentermine-D5

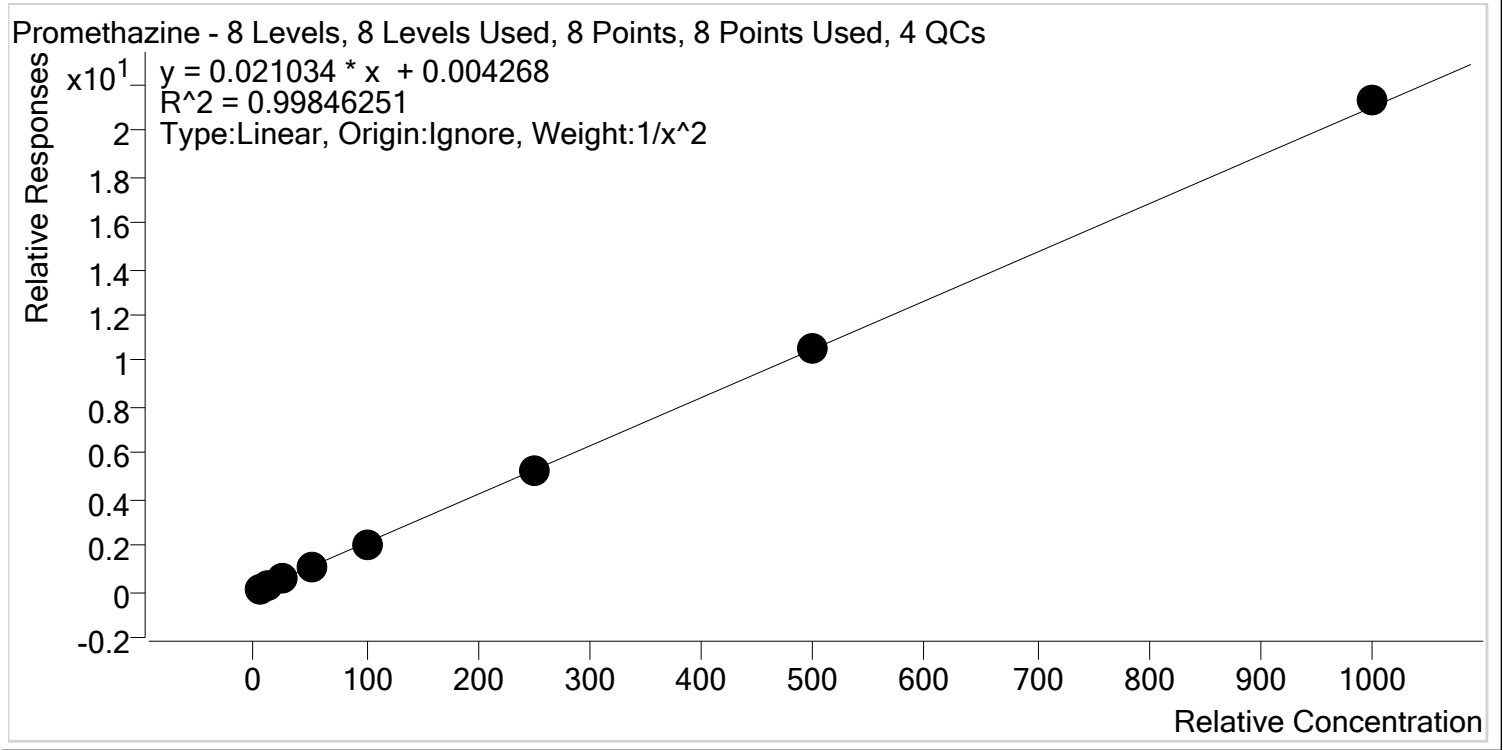


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	x	5.0	4.4	88.5
p1 Cal 2- 10ng	2	✓	10.0	9.8	98.2
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.4
p1 Cal 4-50ng	4	✓	50.0	52.9	105.7
p1 Cal 5-100ng	5	✓	100.0	101.5	101.5
p1 Cal 6-250ng	6	✓	250.0	253.9	101.6
p1 Cal 7-500ng	7	✓	500.0	494.7	98.9
p1 Cal 8-1000ng	8	✓	1000.0	927.3	92.7



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\091119 MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 9/12/2019 10:10 AM
Analyst Name ISP\datastor
Analyte Promethazine **Internal Standard** Promethazine-D3

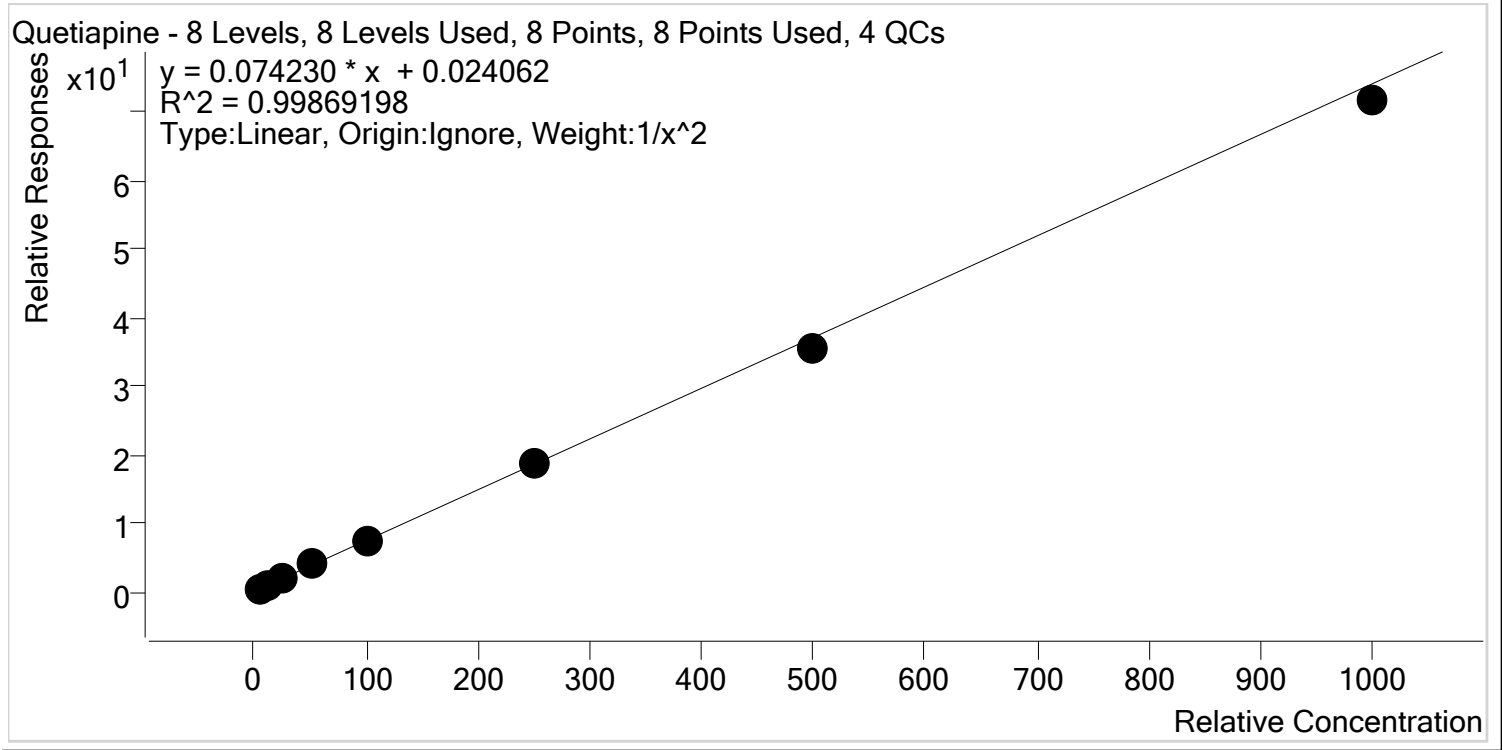


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.8
p1 Cal 2- 10ng	2	✓	10.0	10.4	104.1
p1 Cal 3 -25ng	3	✓	25.0	23.5	94.0
p1 Cal 4-50ng	4	✓	50.0	52.2	104.5
p1 Cal 5-100ng	5	✓	100.0	98.2	98.2
p1 Cal 6-250ng	6	✓	250.0	246.6	98.7
p1 Cal 7-500ng	7	✓	500.0	502.0	100.4
p1 Cal 8-1000ng	8	✓	1000.0	1013.7	101.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\091119 MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 9/12/2019 10:10 AM
Analyst Name ISP\datastor
Analyte Quetiapine **Internal Standard** Quetiapine-D8

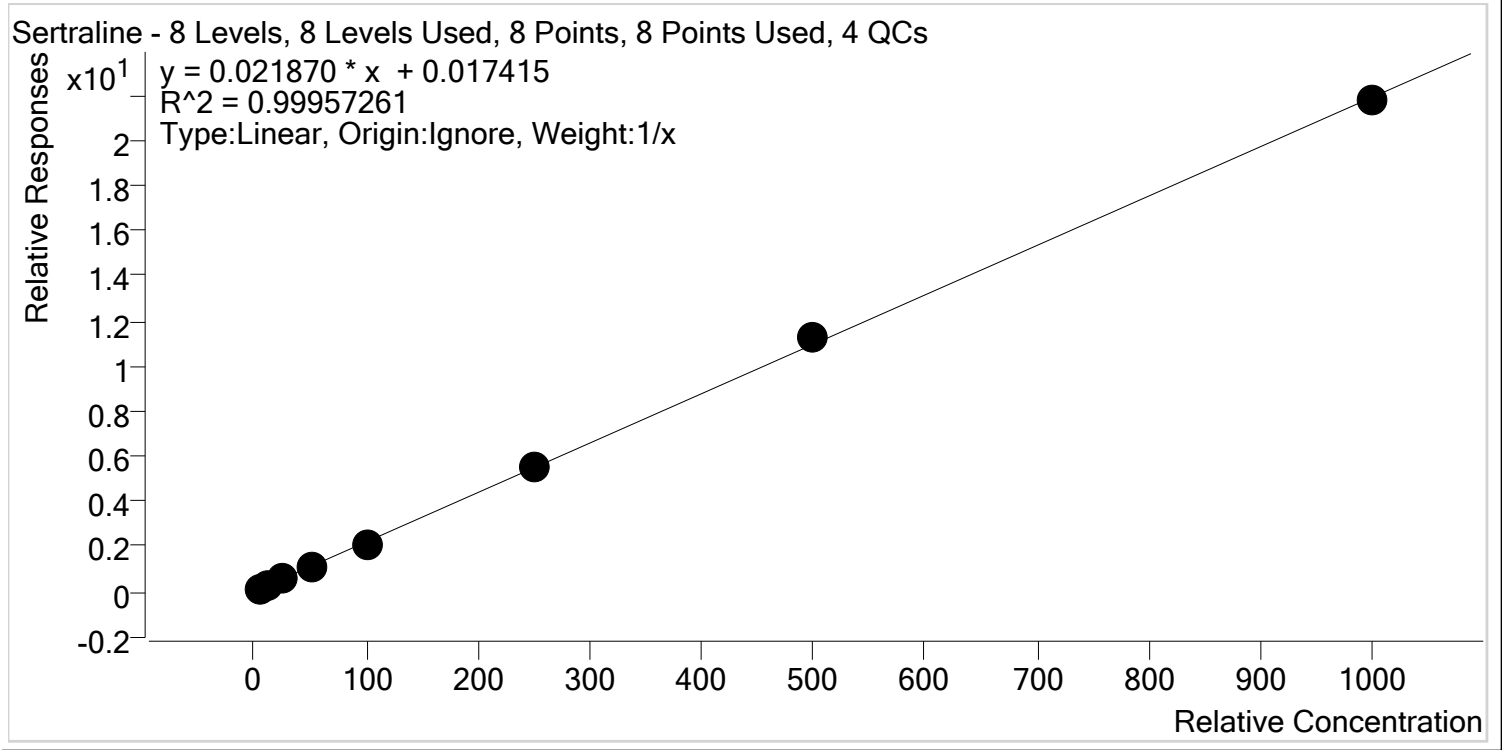


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.3
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.3
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.5
p1 Cal 4-50ng	4	✓	50.0	52.1	104.2
p1 Cal 5-100ng	5	✓	100.0	100.1	100.1
p1 Cal 6-250ng	6	✓	250.0	254.7	101.9
p1 Cal 7-500ng	7	✓	500.0	475.7	95.1
p1 Cal 8-1000ng	8	✓	1000.0	966.9	96.7



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\091119 MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 9/12/2019 10:10 AM
Analyst Name ISP\datastor
Analyte Sertraline **Internal Standard** Sertraline-D3

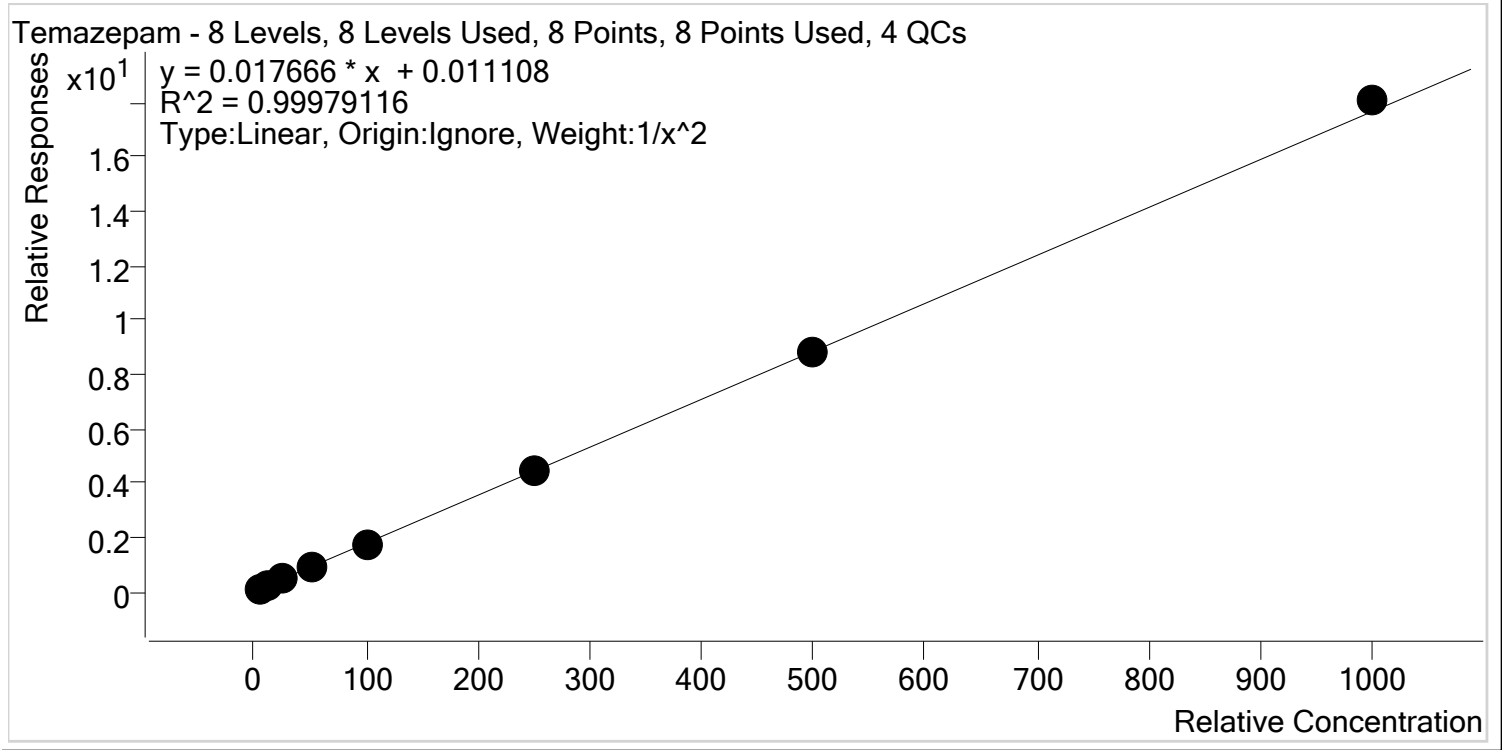


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	105.0
p1 Cal 2- 10ng	2	✓	10.0	9.6	95.9
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.7
p1 Cal 4-50ng	4	✓	50.0	51.5	103.0
p1 Cal 5-100ng	5	✓	100.0	94.3	94.3
p1 Cal 6-250ng	6	✓	250.0	248.5	99.4
p1 Cal 7-500ng	7	✓	500.0	512.4	102.5
p1 Cal 8-1000ng	8	✓	1000.0	993.3	99.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\091119 MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 9/12/2019 10:10 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	5.0	100.1
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.2
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.1
p1 Cal 4-50ng	4	✓	50.0	50.5	100.9
p1 Cal 5-100ng	5	✓	100.0	98.1	98.1
p1 Cal 6-250ng	6	✓	250.0	248.8	99.5
p1 Cal 7-500ng	7	✓	500.0	498.8	99.8
p1 Cal 8-1000ng	8	✓	1000.0	1023.0	102.3

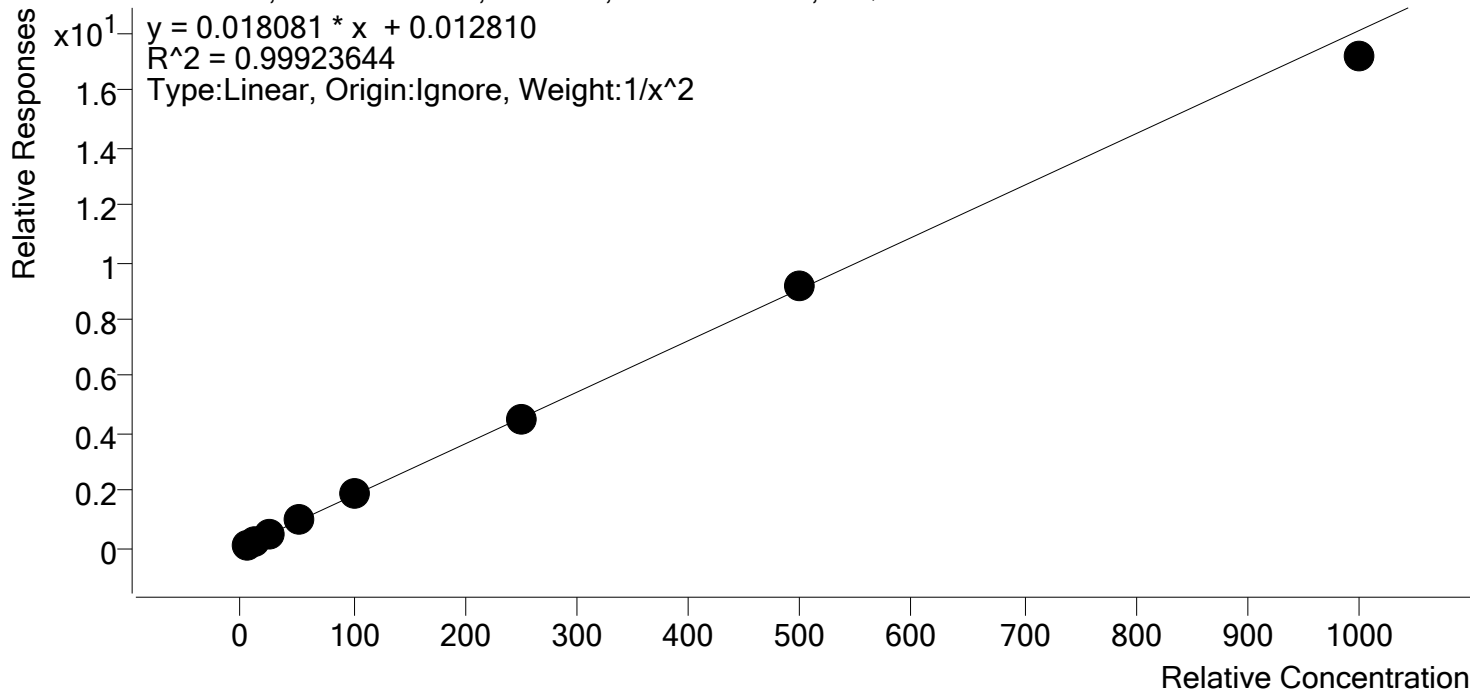
8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\091119 MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 9/12/2019 10:10 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



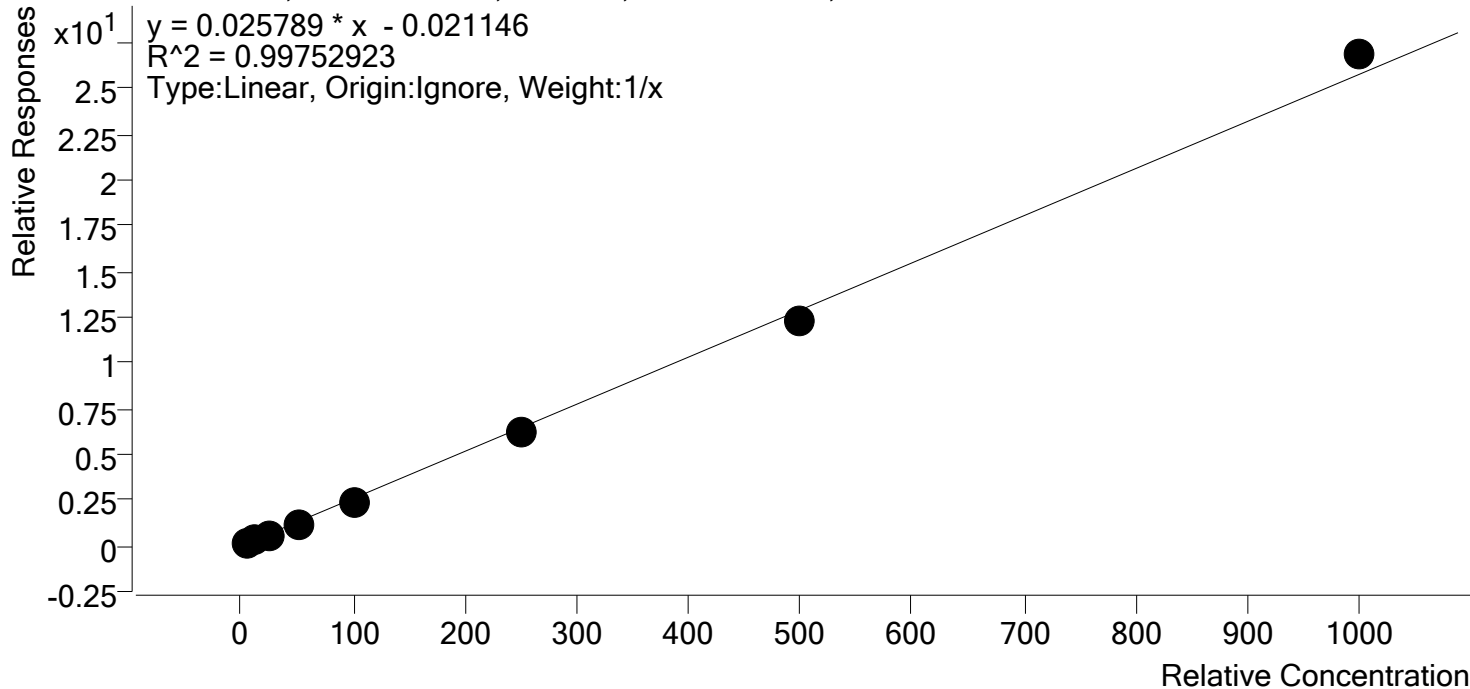
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.1
p1 Cal 2- 10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.3
p1 Cal 4-50ng	4	✓	50.0	51.5	103.0
p1 Cal 5-100ng	5	✓	100.0	102.1	102.1
p1 Cal 6-250ng	6	✓	250.0	250.6	100.2
p1 Cal 7-500ng	7	✓	500.0	502.7	100.5
p1 Cal 8-1000ng	8	✓	1000.0	949.5	95.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\091119 MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 9/12/2019 10:10 AM
Analyst Name ISP\datastor
Analyte Trazodone **Internal Standard** Trazodone-D6

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



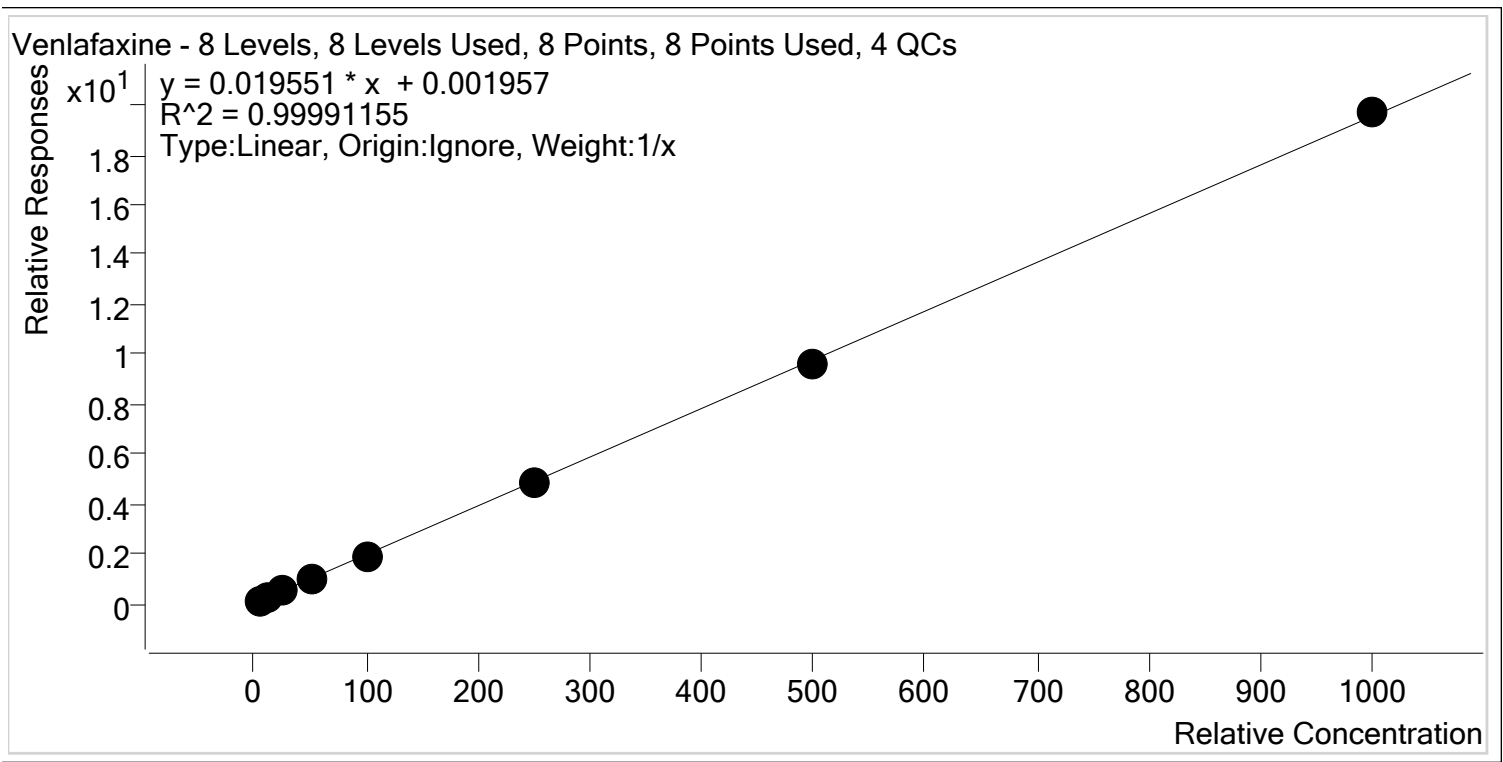
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	6.1	121.5
p1 Cal 2- 10ng	2	✓	10.0	10.4	104.3
p1 Cal 3 -25ng	3	✓	25.0	23.4	93.5
p1 Cal 4-50ng	4	✓	50.0	46.3	92.6
p1 Cal 5-100ng	5	✓	100.0	91.1	91.1
p1 Cal 6-250ng	6	✓	250.0	243.4	97.4
p1 Cal 7-500ng	7	✓	500.0	477.4	95.5
p1 Cal 8-1000ng	8	✓	1000.0	1042.0	104.2

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\091119 MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 9/12/2019 10:10 AM
Analyst Name ISP\datastor
Analyte Venlafaxine **Internal Standard** Venlafaxine-D6

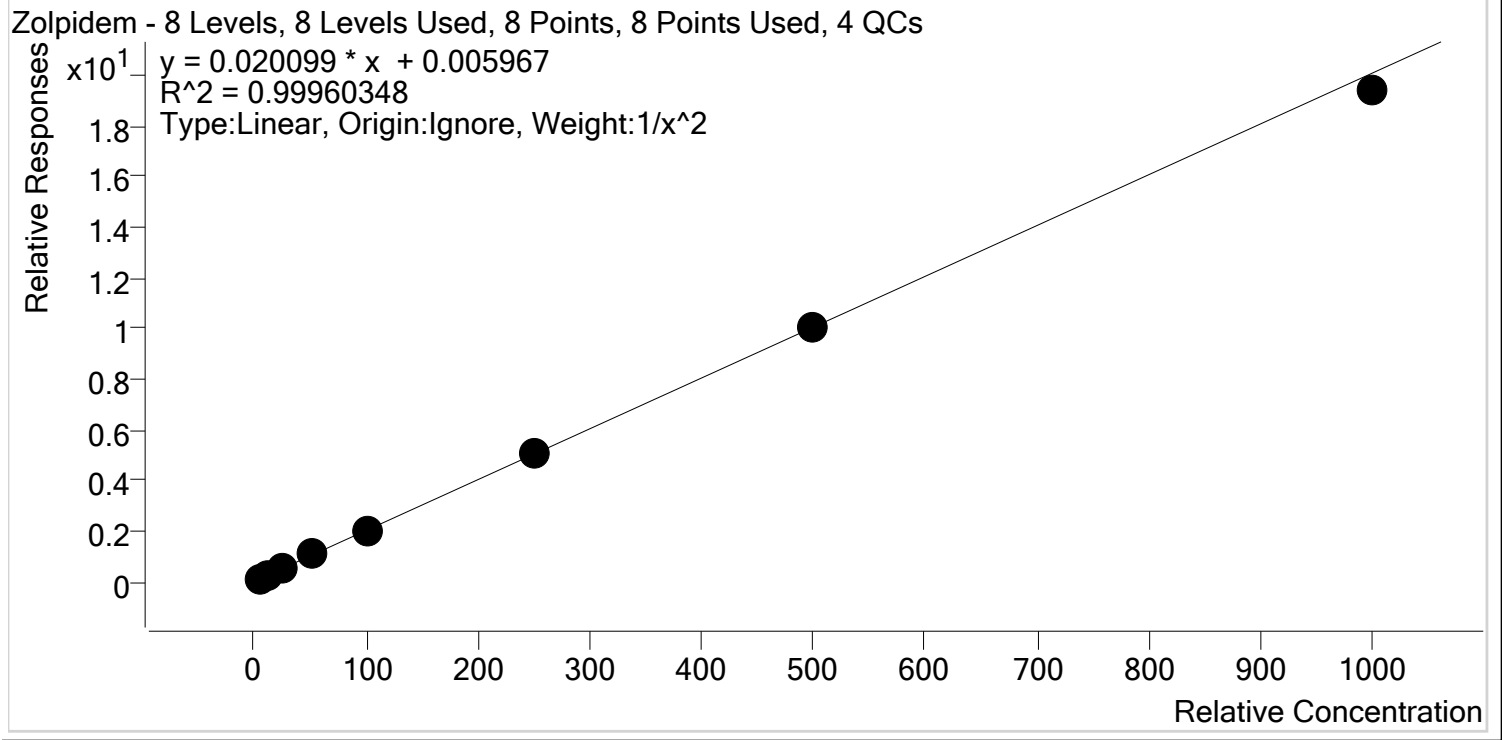


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.5
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.8
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.4
p1 Cal 4-50ng	4	✓	50.0	50.1	100.2
p1 Cal 5-100ng	5	✓	100.0	98.7	98.7
p1 Cal 6-250ng	6	✓	250.0	249.4	99.8
p1 Cal 7-500ng	7	✓	500.0	493.9	98.8
p1 Cal 8-1000ng	8	✓	1000.0	1007.8	100.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\091119 MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 9/12/2019 10:10 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	99.4
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.9
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	99.8	99.8
p1 Cal 6-250ng	6	✓	250.0	253.5	101.4
p1 Cal 7-500ng	7	✓	500.0	500.1	100.0
p1 Cal 8-1000ng	8	✓	1000.0	965.7	96.6

AM #28 Multi-Drug Quant. Results



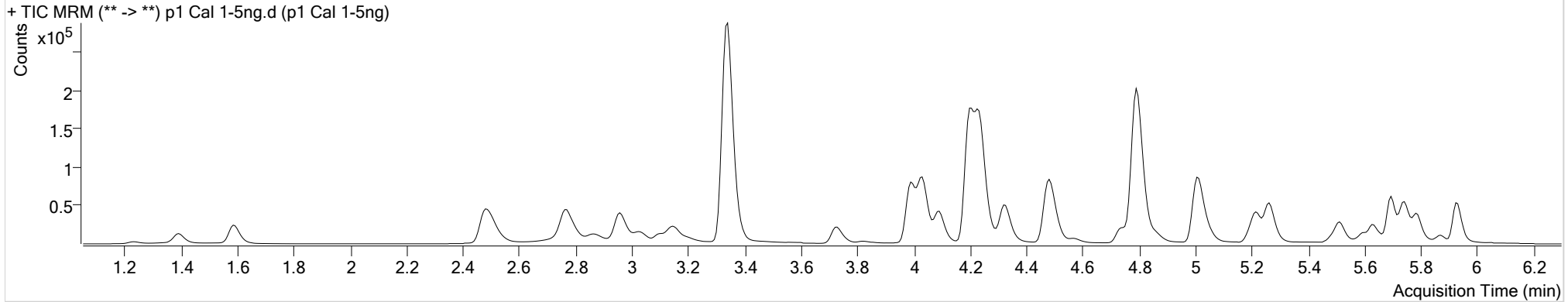
Batch results
Calibration Last Update

D:\MassHunter\Data\2019\AM 28\091119 MDQ SP\QuantResults\MDQ.batch.bin
9/12/2019 10:10:17 AM

Instrument Falco
Type Cal
Acq. Method MDQ P1 Combined 082219.m
Sample Position P1-A5
Injection Volume 1
Acq. Date-Time 9/11/2019 11:01:26 AM
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	3.109	517	∞	88.0	1307.61	25146	0.4812 ng/ml
7-aminoclonazepam	4.224	5975	543.71	83.5	1787.84	50432	4.9298 ng/ml
a-hydroxyalprazolam	5.673	506	74.72	63.7	1019.65	4644	4.8448 ng/ml
alpha-PVP	4.330	12715	1294.24	46.3	282.99	109452	5.0296 ng/ml
Alprazolam	5.749	12510	227.74	108.9	210.89	82381	5.4997 ng/ml
Amphetamine	3.041	12039	551.64	56.2	253.53	25093	4.9527 ng/ml
Benzoylcegonine	3.847	1400	221.60	6.6	6.67 Low	6422	7.2004 ng/ml
Bupropion	4.759	7296	4626.53	60.3	295.12	49279	5.0451 ng/ml
Carisoprodol	5.705	9668	∞	52.5	47.73	88385	5.0781 ng/ml
Citalopram	5.201	3984	40.59	45.8	122.67	35138	5.0194 ng/ml
Clonazepam	5.579	1280	53.50	35.2	2195.50	4239	4.8837 ng/ml
Cocaine	4.237	20118	1912.91	42.9	∞	303250	5.3884 ng/ml
Codeine	2.543	3754	1358.25	106.7	1002.72	34548	5.0684 ng/ml
Cyclobenzaprine	5.603	2347	64.31	12.8	48.59	19436	5.1889 ng/ml
Dextromethorphan	5.231	2168	1073.75	85.9	2821.99	16413	5.1556 ng/ml
Dextrorphan	4.093	3518	8978.77	210.6	1194.82	86654	5.1022 ng/ml
Diazepam	5.934	10374	146.83	91.5	1607.61	94475	5.0190 ng/ml
Dihydrocodeine	2.514	10640	∞	66.9	∞	116051	4.8552 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Diphenhydramine	5.265	8789	72.18	32.7	67.73	110676	5.0588 ng/ml
Doxylamine	4.494	24875	146.64	99.3	3789.56	211723	5.1457 ng/ml
EDDP	5.223	5804	320.15	41.1	∞	58491	5.1862 ng/ml
Fentanyl	5.045	255	16.39	91.6	1150.34	22279	0.4921 ng/ml
Fluoxetine	5.695	3238	40.22	9.7	521.36	22023	5.2257 ng/ml
Hydrocodone	2.985	7396	107.19	37.6	50.21	88854	4.9523 ng/ml
Hydromorphone	1.594	7827	327.67	75.8	314.79	56390	4.9614 ng/ml
Ketamine	4.006	21736	3217.73	38.8	146.80	191510	4.9499 ng/ml
Lamotrigine	4.268	2767	∞	77.2	651.44	191510	4.4606 ng/ml
Meprobamate	4.888	1934	1671.59	32.9	35.90	20304	4.9468 ng/ml
Methadone	5.634	4192	40.64	61.3	110.41	38353	4.8936 ng/ml
Methamphetamine	3.202	12552	39.16	33.6	16.13	50362	5.0741 ng/ml
Metoprolol	4.299	3350	10649.41	96.8	2043.19	393149	4.8603 ng/ml
Mirtazapine	4.569	8476	1480.66	49.6	422.68	109452	4.5269 ng/ml
Mitragynine	5.179	588	43.19	43.0	265.87	38353	4.7977 ng/ml
Morphine	1.240	1850	462.08	19.4	58.40	4516	4.9460 ng/ml
Nordiazepam	5.874	2253	19268.04	58.7	∞	14379	4.9848 ng/ml
Norfentanyl	4.054	2192	162.49	35.9	29.59	194111	0.5127 ng/ml
Norhydrocodone	3.039	172	816.03	12.4 Low	51.20	18979	7.3499 ng/ml
Noroxycodone	2.889	4728	108.31	49.7	217.33	29163	4.9497 ng/ml
O-desmethyl-tramadol	3.341	72788	734.96	6.2	1793.68	730611	4.9882 ng/ml
Oxycodone	2.794	17115	331.25	29.7	570.25	152227	4.9936 ng/ml
Oxymorphone	1.396	4720	125.20	46.9	129.22	34055	4.9844 ng/ml
Phentermine	3.758	2939	12.24	3.4	4.82 Low	60513	4.4265 ng/ml
Promethazine	5.520	4159	86.19	31.4	58.21	38444	4.9406 ng/ml
Quetiapine	5.503	7823	97.10	53.3	6052.03	19930	4.9640 ng/ml
Sertraline	5.763	1601	27.18	102.5	78.09	12113	5.2489 ng/ml
Temazepam	5.797	5850	78.62	33.3	9.93 Low	58796	5.0033 ng/ml
Tramadol	4.212	40627	667.00	3.4	25.77	393149	5.0069 ng/ml
Trazodone	5.051	6659	2141.25	73.6	∞	49138	6.0745 ng/ml
Venlafaxine	5.007	16695	805.58	36.5	172.96	163428	5.1250 ng/ml
Zolpidem	4.810	55228	872.35	33.4	293.60	521673	4.9703 ng/ml

AM #28 Multi-Drug Quant. Results



Batch results

D:\MassHunter\Data\2019\AM 28\091119 MDQ SP\QuantResults\MDQ.batch.bin

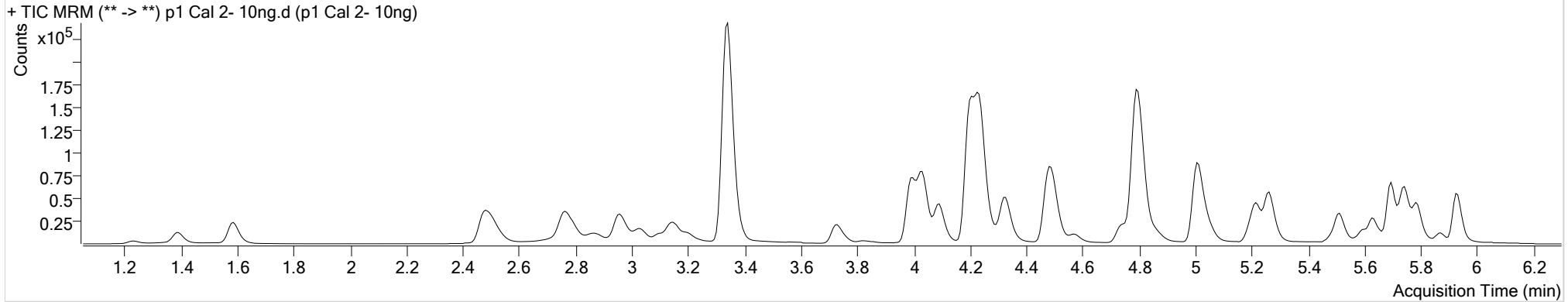
Calibration Last Update

9/12/2019 10:10:17 AM

Instrument Type Falco
Acq. Method MDQ P1 Combined 082219.m
Sample Position P1-B5
Injection Volume 1
Acq. Date-Time 9/11/2019 11:12:02 AM
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	3.109	892	1951.15	74.3	11193.28	19263	1.0783 ng/ml
7-aminoclonazepam	4.224	10445	3827.58	75.0	739.92	46184	9.9259 ng/ml
a-hydroxyalprazolam	5.666	1012	118.28	54.2	414.35	4721	10.9639 ng/ml
alpha-PVP	4.337	21755	5583.55	47.0	515.42	97206	9.9036 ng/ml
Alprazolam	5.742	23361	350.54	110.5	285.31	76422	10.3863 ng/ml
Amphetamine	3.041	16777	126.17	54.9	212.82	18985	10.0490 ng/ml
Benzoylcegonine	3.847	1852	97.31	7.1	16.83	6147	11.1171 ng/ml
Bupropion	4.759	12908	638.93	58.4	455.80	45139	10.0931 ng/ml
Carisoprodol	5.705	17506	416.62	54.9	115.10	86955	9.7712 ng/ml
Citalopram	5.201	7948	297.06	40.9	105.02	35062	10.5159 ng/ml
Clonazepam	5.579	2394	730.21	31.4	1561.86	3965	10.3673 ng/ml
Cocaine	4.237	32054	∞	45.0	574.18	260351	9.9082 ng/ml
Codeine	2.536	5644	13002.39	107.5	∞	27107	9.9129 ng/ml
Cyclobenzaprine	5.603	4058	4367.85	13.9	374.28	19677	9.2924 ng/ml
Dextromethorphan	5.231	3966	348.84	84.1	129.62	17112	9.7901 ng/ml
Dextrorphan	4.093	6572	513.99	199.0	2865.16	82721	10.1600 ng/ml
Diazepam	5.934	18035	561.26	90.5	1041.96	86170	9.8460 ng/ml
Dihydrocodeine	2.508	16074	5860.47	65.4	548.12	90817	10.2117 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Diphenhydramine	5.265	16578	1711.83	32.5	106.19	108914	10.0720 ng/ml
Doxylamine	4.494	44023	253.90	100.7	532.93	195742	10.0029 ng/ml
EDDP	5.216	10471	399.64	42.2	1144.20	55922	10.0130 ng/ml
Fentanyl	5.045	451	17.21	70.9	1287.04	21717	1.0347 ng/ml
Fluoxetine	5.695	5346	43.96	7.4	∞	22467	9.1551 ng/ml
Hydrocodone	2.978	11507	179.06	38.6	70.19	70990	10.0619 ng/ml
Hydromorphone	1.594	12532	167.22	75.7	355.68	46069	10.0489 ng/ml
Ketamine	4.006	35151	885.78	36.5	124.40	158167	10.1125 ng/ml
Lamotrigine	4.268	4866	∞	77.9	∞	158167	11.7765 ng/ml
Lorazepam	5.720	736	17.91	89.6 High	4.41 Low	3965	10.0347 ng/ml
Meprobamate	4.888	3810	170.41	29.5	43.02	19362	10.1682 ng/ml
Methadone	5.634	8504	3329.13	54.4	101.52	38560	10.4068 ng/ml
Methamphetamine	3.202	18718	79.07	36.2	33.00	53242	9.7221 ng/ml
Metoprolol	4.299	5797	5014.68	90.2	415.18	329434	10.5055 ng/ml
Mirtazapine	4.569	14939	2761.67	47.8	999.40	97206	11.8621 ng/ml
Mitragynine	5.179	1204	4273.92	38.8	692.81	38560	10.2441 ng/ml
Morphine	1.240	3123	515.38	20.3	561.82	3974	10.0864 ng/ml
Nordiazepam	5.874	4165	8561.46	56.0	463.91	13261	10.1698 ng/ml
Norfentanyl	4.054	3562	1920.60	38.3	44.91	170224	0.9629 ng/ml
Norhydrocodone	3.039	305	∞	25.3	∞	15890	10.7337 ng/ml
Noroxycodone	2.883	7540	160.61	49.7	10.38	23488	10.0419 ng/ml
O-desmethyl-tramadol	3.341	109820	1216.91	5.9	553.90	566416	10.0332 ng/ml
Oxazepam	5.723	1351	25.72	58.7 Low	7.55 Low	6124	14.2632 ng/ml
Oxycodone	2.794	25415	1073.49	30.2	408.46	117672	10.0445 ng/ml
Oxymorphone	1.390	7416	523.22	48.1	305.91	27927	9.9888 ng/ml
Phentermine	3.765	5435	46.06	3.0	7.39 Low	58418	9.8191 ng/ml
Promethazine	5.513	7988	334.18	29.1	69.85	35788	10.4091 ng/ml
Quetiapine	5.503	14263	267.14	55.4	18762.25	18746	9.9257 ng/ml
Sertraline	5.763	2918	31.23	101.4	711.45	12846	9.5894 ng/ml
Temazepam	5.791	11683	147.92	36.7	10.42	62084	10.0227 ng/ml
Tramadol	4.212	63098	1919.25	3.4	49.99	329434	9.8848 ng/ml
Trazodone	5.051	11471	∞	76.7	∞	46281	10.4308 ng/ml
Venlafaxine	5.007	30244	3617.87	36.1	124.43	153485	9.9788 ng/ml
Zolpidem	4.810	87280	5796.14	31.9	11355.07	418123	10.0886 ng/ml

AM #28 Multi-Drug Quant. Results



Batch results

D:\MassHunter\Data\2019\AM 28\091119 MDQ SP\QuantResults\MDQ.batch.bin

Calibration Last Update

9/12/2019 10:10:17 AM

Instrument

Falco

Data File

p1 Cal 3 -25ng.d

Type

Cal

Sample

p1 Cal 3 -25ng

Acq. Method

MDQ P1 Combined 082219.m

Operator

Sample Position

P1-C5

Comment

Injection Volume

1

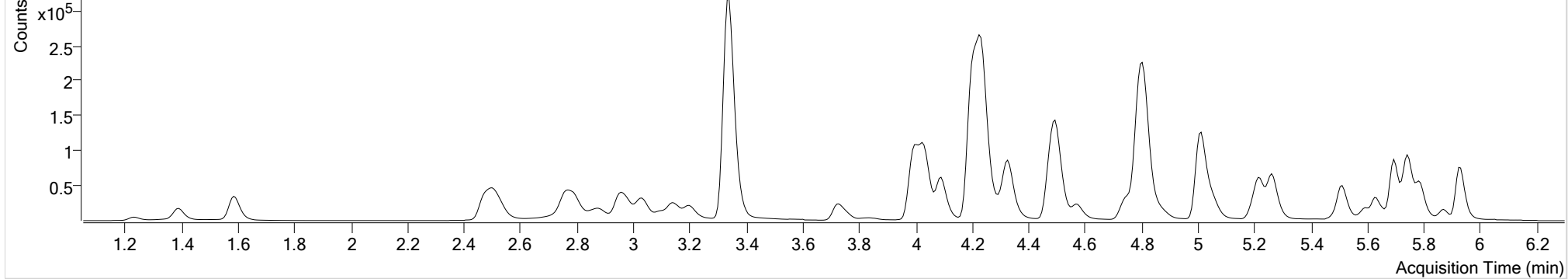
Acq. Date-Time

9/11/2019 11:22:28 AM

Sample Info.

Sample Chromatogram

+ TIC MRM (** -> **) p1 Cal 3 -25ng.d (p1 Cal 3 -25ng)



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.109	2360	∞	73.4	3801.86	21436	2.5604 ng/ml
7-aminoclonazepam	4.224	25783	∞	83.3	91.75	45018	26.0041 ng/ml
a-hydroxyalprazolam	5.666	2091	70.14	70.5	557.87	4930	23.1562 ng/ml
alpha-PVP	4.337	65438	3268.85	47.4	640.87	118605	24.7518 ng/ml
Alprazolam	5.742	55548	607.99	109.6	677.36	76274	23.8097 ng/ml
Amphetamine	3.034	44244	269.17	54.3	1049.67	21056	25.4115 ng/ml
Benzoylcegonine	3.847	3652	149.68	8.6	168.77	6232	24.5009 ng/ml
Buprenorphine	5.705	315	166.63	11.8	157.30	3743	2.4341 ng/ml
Bupropion	4.759	34635	1176.91	59.1	347.63	50378	24.7928 ng/ml
Carisoprodol	5.698	42330	4728.14	57.2	353.96	87903	24.0771 ng/ml
Citalopram	5.201	17373	1793.72	44.9	306.61	33903	24.3759 ng/ml
Clonazepam	5.586	5882	1890.10	33.0	7490.80	4075	25.6245 ng/ml
Cocaine	4.237	97553	∞	43.4	943.74	315158	24.7485 ng/ml
Codeine	2.536	14891	120187.47	109.3	1727.56	29164	24.6296 ng/ml
Cyclobenzaprine	5.603	8626	19982.03	12.5	92.49	16255	24.8707 ng/ml
Dextromethorphan	5.231	8328	389.95	81.4	1927.34	15007	24.8191 ng/ml
Dextrorphan	4.093	17429	51381.40	207.7	7885.37	91392	24.6462 ng/ml
Diazepam	5.934	44741	701.55	88.3	1928.41	85376	25.1179 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Dihydrocodeine	2.508	41885	24392.47	66.3	420.18	97240	26.1436 ng/ml
Diphenhydramine	5.272	36960	3749.66	31.5	547.77	100693	24.8688 ng/ml
Doxylamine	4.500	126459	776.59	100.0	2726.14	232194	24.4600 ng/ml
EDDP	5.223	27724	2414.04	42.7	349.30	60954	24.6900 ng/ml
Fentanyl	5.052	855	183.48	72.7	2125.48	18192	2.5577 ng/ml
Fluoxetine	5.695	10898	446.29	7.9	80.81	18337	24.5552 ng/ml
Hydrocodone	2.978	32236	405.10	38.9	163.95	81026	25.3379 ng/ml
Hydromorphone	1.594	31351	378.03	75.6	748.56	46096	25.6322 ng/ml
Ketamine	4.006	95449	4046.06	38.1	1044.45	177652	25.0685 ng/ml
Lamotrigine	4.268	11317	2865.80	77.3	1424.85	177652	26.5481 ng/ml
Lorazepam	5.720	1618	67.05	55.9	10.70	4075	23.9416 ng/ml
Meprobamate	4.888	9935	949.47	26.7	128.56	20176	25.3686 ng/ml
Methadone	5.634	17895	11551.54	52.6	260.89	34553	25.1425 ng/ml
Methamphetamine	3.202	38633	52.28	42.8	81.43	56422	24.8568 ng/ml
Metoprolol	4.299	16550	73698.76	95.6	∞	409306	24.7132 ng/ml
Mirtazapine	4.576	34720	∞	49.7	765.12	118605	25.2408 ng/ml
Mitragynine	5.179	2751	13241.45	35.5	∞	34553	26.8005 ng/ml
Morphine	1.240	7381	4194.90	21.1	1912.42	3913	25.1303 ng/ml
Norbuprenorphine	4.949	22	0.85 Low	53.2 Low	64.18	255	3.0242 ng/ml
Nordiazepam	5.874	9836	27100.91	55.5	3050.13	13164	24.4395 ng/ml
Norfentanyl	4.061	10890	514.12	36.1	127.56	207404	2.4381 ng/ml
Norhydrocodone	3.039	1024	111.35	22.3	593.98	19038	22.3141 ng/ml
Noroxycodone	2.883	21222	513.69	46.3	512.37	26362	25.5555 ng/ml
O-desmethyl-tramadol	3.341	284117	∞	6.2	1004.27	600251	24.9897 ng/ml
Oxazepam	5.730	2124	16.51	88.7	22.62	5611	24.3593 ng/ml
Oxycodone	2.794	65097	871.28	30.1	569.63	126456	24.6184 ng/ml
Oxymorphone	1.390	18200	496.19	47.3	312.41	28082	25.0680 ng/ml
Phentermine	3.758	14426	68.02	3.0	16.90	65263	25.3440 ng/ml
Promethazine	5.520	15808	1672.56	33.0	2618.89	31706	23.5002 ng/ml
Quetiapine	5.503	36983	∞	55.9	∞	19021	25.8686 ng/ml
Sertraline	5.763	5822	∞	94.4	203.63	10254	25.1626 ng/ml
Temazepam	5.791	27185	253.40	29.3	94.05	60565	24.7780 ng/ml
Tramadol	4.212	190746	3185.33	3.2	195.48	409306	25.0662 ng/ml
Trazodone	5.058	27162	∞	76.8	∞	46688	23.3795 ng/ml
Venlafaxine	5.014	87012	1321.77	35.5	395.28	178308	24.8598 ng/ml
Zolpidem	4.810	226992	19808.16	33.4	474.46	448409	24.8888 ng/ml

AM #28 Multi-Drug Quant. Results



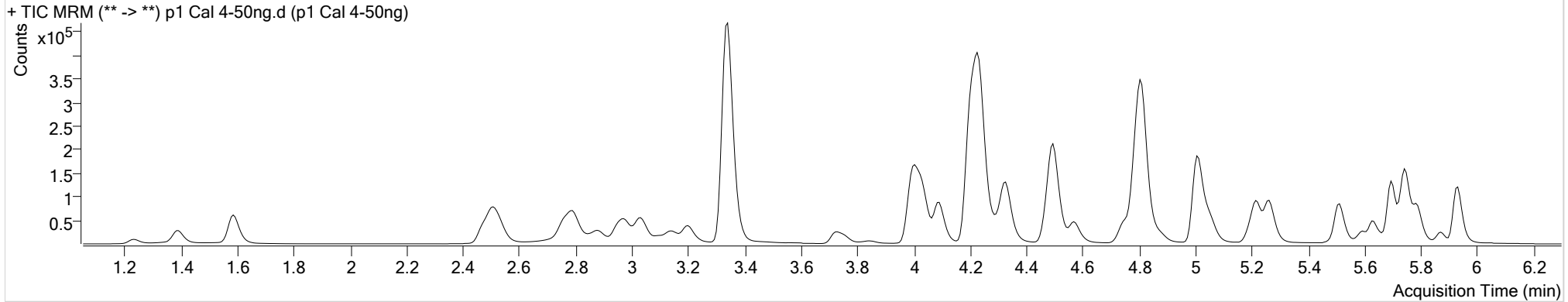
Batch results
Calibration Last Update

D:\MassHunter\Data\2019\AM 28\091119 MDQ SP\QuantResults\MDQ.batch.bin
9/12/2019 10:10:17 AM

Instrument Falco
Type Cal
Acq. Method MDQ P1 Combined 082219.m
Sample Position P1-D5
Injection Volume 1
Acq. Date-Time 9/11/2019 11:32:54 AM
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	3.109	4939	512.80	74.7	10669.98	23429	4.9001 ng/ml
7-aminoclonazepam	4.224	58769	200.33	81.8	162.80	49790	54.1953 ng/ml
a-hydroxyalprazolam	5.666	4313	393.78	73.9	458.94	4975	48.8919 ng/ml
alpha-PVP	4.330	137971	1031.36	46.9	1199.47	122313	50.8456 ng/ml
Alprazolam	5.742	122681	1066.88	107.2	3584.41	80580	49.0377 ng/ml
Amphetamine	3.034	86237	929.23	55.3	1499.33	20574	51.7848 ng/ml
Benzoylcegonine	3.847	7318	1490.83	7.2	281.30	6521	49.7183 ng/ml
Buprenorphine	5.705	544	39.64	13.3	197.03	3667	5.1162 ng/ml
Bupropion	4.752	63323	∞	59.7	610.87	45813	50.2234 ng/ml
Carisoprodol	5.698	94514	1415.61	55.7	281.64	92835	51.4673 ng/ml
Citalopram	5.195	36210	953.13	44.3	36319.72	34381	50.6063 ng/ml
Clonazepam	5.586	12605	2039.42	31.9	∞	4598	49.2108 ng/ml
Cocaine	4.230	209118	69180.36	44.9	1081.27	340645	48.9774 ng/ml
Codeine	2.536	32040	1344.61	108.9	3980.55	30872	50.2892 ng/ml
Cyclobenzaprine	5.603	17736	33573.72	12.0	176.80	17065	49.2941 ng/ml
Dextromethorphan	5.231	17233	428.58	79.4	449.12	15440	50.9184 ng/ml
Dextrorphan	4.093	37272	6205.02	209.3	7868.82	96689	50.0043 ng/ml
Diazepam	5.934	96430	1283.88	88.9	669.62	90558	51.3573 ng/ml

AM #28 Multi-Drug Quant. Results



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Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Dihydrocodeine	2.508	92794	421.65	66.4	907.94	106341	53.8872 ng/ml
Diphenhydramine	5.265	77510	977.07	31.6	2634.76	105455	50.2088 ng/ml
Doxylamine	4.494	236278	∞	99.0	9746.85	209375	50.8614 ng/ml
EDDP	5.216	60236	1030.39	41.4	590.14	64989	50.5781 ng/ml
Fentanyl	5.052	1571	74.47	76.8	2213.42	18540	4.7469 ng/ml
Fluoxetine	5.695	23317	971.08	9.2	220.36	19738	49.9243 ng/ml
Hydrocodone	2.978	69258	1487.68	38.2	152.94	85836	51.8402 ng/ml
Hydromorphone	1.587	70594	1475.43	76.1	474.85	52620	50.8917 ng/ml
Ketamine	4.006	206409	15891.02	37.8	813.06	186862	52.0020 ng/ml
Lamotrigine	4.261	24913	2391.42	74.5	2929.39	186862	57.7663 ng/ml
Lorazepam	5.720	3700	220.83	57.4	10.47	4598	50.7676 ng/ml
Meprobamate	4.881	21273	3748.22	26.6	119.79	21894	50.0124 ng/ml
Methadone	5.634	37972	3587.81	52.0	151.53	36886	50.4937 ng/ml
Methamphetamine	3.202	71903	492.35	44.3	96.97	58580	49.5124 ng/ml
Metoprolol	4.299	36340	19916.68	93.3	2114.86	430329	52.0935 ng/ml
Mirtazapine	4.569	73183	5756.49	50.2	3773.79	122313	54.6409 ng/ml
Mitragynine	5.173	5540	9487.12	39.6	13379.38	36886	50.9525 ng/ml
Morphine	1.233	17079	7066.40	21.3	3398.26	4369	52.7893 ng/ml
Norbuprenorphine	4.956	32	6.28 Low	71.7	75.31	312	3.9562 ng/ml
Nordiazepam	5.874	20854	908.70	58.2	2523.01	13809	49.5775 ng/ml
Norfentanyl	4.054	23285	∞	36.4	310.72	218805	4.9572 ng/ml
Norhydrocodone	3.039	2379	201.34	23.0	∞	20426	43.2891 ng/ml
Noroxycodone	2.883	45900	965.63	45.6	178.33	28171	51.9772 ng/ml
O-desmethyl-tramadol	3.341	629277	2264.87	6.1	397.13	660883	50.6188 ng/ml
Oxazepam	5.730	4930	418.17	84.0	22.18	6079	52.0156 ng/ml
Oxycodone	2.787	147320	10354.08	30.2	1444.46	139567	50.9946 ng/ml
Oxymorphone	1.390	40315	936.00	46.2	939.92	30792	51.1304 ng/ml
Phentermine	3.758	30061	118.57	2.8	44.78	67126	52.8504 ng/ml
Promethazine	5.520	34420	17808.06	29.4	273.33	31204	52.2374 ng/ml
Quetiapine	5.503	78274	7051.45	55.4	148942.35	20112	52.1059 ng/ml
Sertraline	5.763	12053	114.03	93.1	280.47	10543	51.4777 ng/ml
Temazepam	5.791	59616	1972.67	32.5	103.64	66034	50.4737 ng/ml
Tramadol	4.212	406088	2113.40	3.3	427.38	430329	51.4838 ng/ml
Trazodone	5.051	56986	36771.58	76.7	16728.27	48600	46.2877 ng/ml
Venlafaxine	5.007	194465	1580.53	35.7	346.62	198120	50.1047 ng/ml
Zolpidem	4.810	498977	657.09	32.8	2092.77	482070	51.2009 ng/ml

AM #28 Multi-Drug Quant. Results



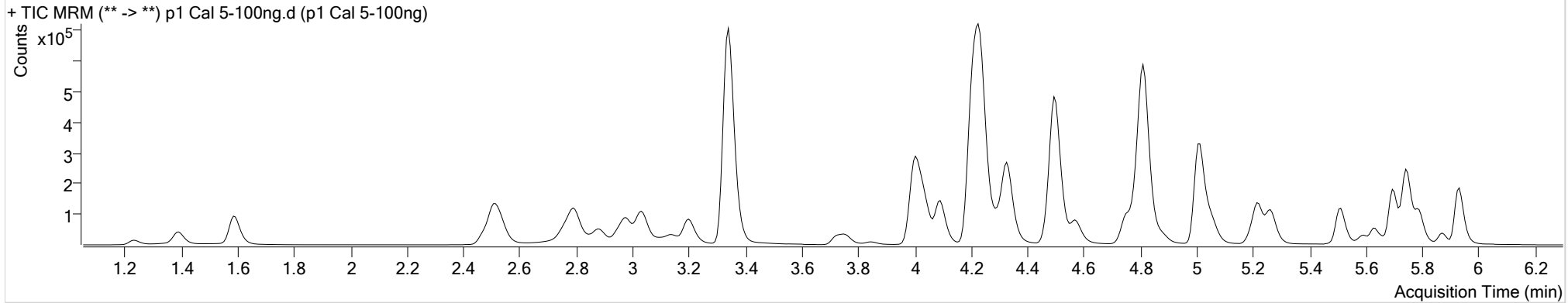
Batch results
Calibration Last Update

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Instrument Falco
Type Cal
Acq. Method MDQ P1 Combined 082219.m
Sample Position P1-E5
Injection Volume 1
Acq. Date-Time 9/11/2019 11:43:20 AM
Sample Info.

Data File p1 Cal 5-100ng.d
Sample p1 Cal 5-100ng
Operator
Comment

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.109	10134	1347.38	73.2	∞	24346	9.6726 ng/ml
7-aminoclonazepam	4.224	96272	4662.25	82.5	16173.36	43176	102.8841 ng/ml
a-hydroxyalprazolam	5.666	8119	229.78	70.9	∞	4800	96.7975 ng/ml
alpha-PVP	4.330	342862	1324.16	47.6	1536.38	157937	98.0658 ng/ml
Alprazolam	5.742	219511	3022.52	108.7	1075.00	73392	95.6835 ng/ml
Amphetamine	3.034	187096	6720.49	53.6	3209.75	23045	101.3367 ng/ml
Benzoylcegonine	3.847	12379	327.67	7.1	720.07	5775	97.7427 ng/ml
Buprenorphine	5.699	695	∞	16.8	1024.72	2537	10.3856 ng/ml
Bupropion	4.759	151582	84620.38	58.3	975.11	56253	98.2676 ng/ml
Carisoprodol	5.698	170881	44797.44	56.3	390.33	86873	99.9108 ng/ml
Citalopram	5.201	59699	675.91	43.7	∞	29564	97.4686 ng/ml
Clonazepam	5.579	23282	16290.63	32.2	2645.10	4052	103.8235 ng/ml
Cocaine	4.237	475720	1309635.99	43.7	22791.40	389019	97.4571 ng/ml
Codeine	2.536	61911	600.72	107.1	3293.96	29926	100.4639 ng/ml
Cyclobenzaprine	5.603	22596	111772.72	12.3	91.62	10955	98.4233 ng/ml
Dextromethorphan	5.231	23414	350.25	83.7	5987.47	10918	98.7502 ng/ml
Dextrorphan	4.093	79965	452682.43	203.7	13580.77	105715	98.2963 ng/ml
Diazepam	5.934	179672	1093.16	87.5	2906.98	86284	100.7259 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Dihydrocodeine	2.508	181743	2724.11	67.7	8860.05	108547	104.2247 ng/ml
Diphenhydramine	5.265	125221	3052.16	31.5	2090.21	86734	99.0179 ng/ml
Doxylamine	4.494	605085	76634.02	99.9	62551.12	278955	97.9160 ng/ml
EDDP	5.223	126135	18551.46	41.6	975.32	71262	96.8227 ng/ml
Fentanyl	5.052	1999	∞	81.5	980.77	11623	9.8132 ng/ml
Fluoxetine	5.695	26688	514.03	9.6	147.26	11313	100.8242 ng/ml
Hydrocodone	2.978	148521	356.92	38.3	444.16	94634	101.2520 ng/ml
Hydromorphone	1.594	126472	984.10	75.4	796.90	49495	97.2376 ng/ml
Ketamine	4.006	433348	20499.26	37.7	675.99	204482	100.1711 ng/ml
Lamotrigine	4.268	41739	∞	78.4	4385.76	204482	89.5142 ng/ml
Lorazepam	5.720	7261	203.22	49.8	22.17	4052	115.7370 ng/ml
Meprobamate	4.888	39378	1727.75	27.1	989.98	20544	98.6096 ng/ml
Methadone	5.634	52919	2052.93	53.8	5079.17	26500	98.4425 ng/ml
Methamphetamine	3.202	168740	549.04	42.6	208.13	70879	101.9035 ng/ml
Metoprolol	4.299	86384	73247.59	93.5	∞	521989	102.5087 ng/ml
Mirtazapine	4.569	137103	11571.09	43.5	2986.79	157937	80.5947 ng/ml
Mitragynine	5.179	7597	20000.72	35.8	9175.69	26500	97.6602 ng/ml
Morphine	1.233	29376	521.41	20.4	229.50	3959	100.7685 ng/ml
Nordiazepam	5.874	39692	735.60	57.0	464.64	13250	98.5181 ng/ml
Norfentanyl	4.061	52825	14683.56	35.9	486.14	253884	9.7063 ng/ml
Norhydrocodone	3.039	5865	∞	27.3	244.94	23381	88.2707 ng/ml
Noroxycodone	2.883	98273	394.58	46.4	866.75	31331	100.2887 ng/ml
O-desmethyl-tramadol	3.341	1244955	5777.66	6.2	1537.88	671747	98.8496 ng/ml
Oxazepam	5.730	9211	65.19	69.6	55.37	5718	103.1522 ng/ml
Oxycodone	2.794	289744	1943.23	30.6	2472.35	140955	99.7711 ng/ml
Oxymorphone	1.390	72594	248.46	46.7	946.22	28127	101.2569 ng/ml
Phentermine	3.758	67902	497.87	3.0	84.79	79982	101.5021 ng/ml
Promethazine	5.513	42313	∞	29.8	311.42	20441	98.2103 ng/ml
Quetiapine	5.503	134734	747.56	54.0	5206.74	18080	100.0703 ng/ml
Sertraline	5.763	13944	1107.72	89.2	456.26	6703	94.3194 ng/ml
Temazepam	5.791	107795	1001.84	31.7	497.94	61818	98.0738 ng/ml
Tramadol	4.212	969965	3598.75	3.4	405.12	521989	102.0652 ng/ml
Trazodone	5.058	87662	32512.68	76.0	2247.22	37664	91.0705 ng/ml
Venlafaxine	5.014	466104	3618.29	35.7	12301.69	241251	98.7199 ng/ml
Zolpidem	4.810	1010794	4885.38	32.4	1131.38	502619	99.7587 ng/ml

AM #28 Multi-Drug Quant. Results



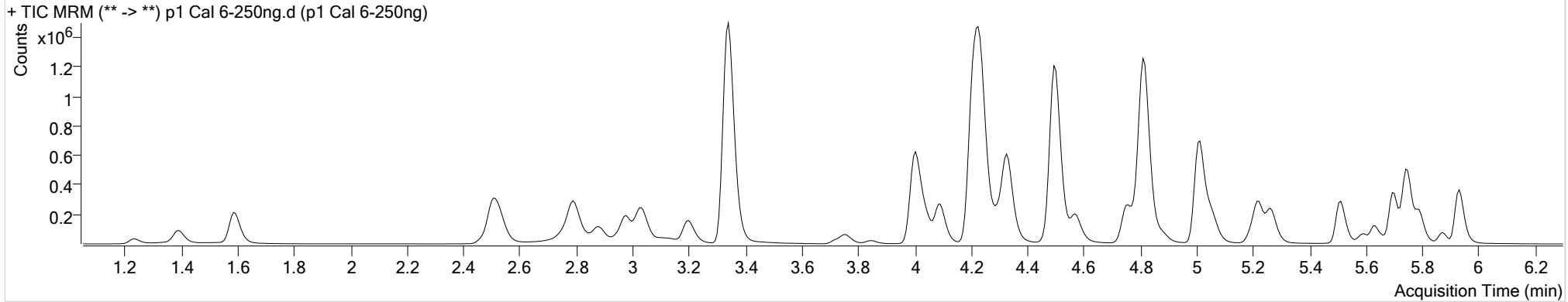
Batch results
Calibration Last Update

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Instrument Type Falco
Acq. Method MDQ P1 Combined 082219.m
Sample Position P1-F5
Injection Volume 1
Acq. Date-Time 9/11/2019 11:53:47 AM
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	3.103	26268	1056.67	74.5	1121.22	24762	24.6453 ng/ml
7-aminoclonazepam	4.224	214636	20983.63	80.0	8385.21	38034	261.2511 ng/ml
a-hydroxyalprazolam	5.666	20683	774.80	66.4	2307.24	4457	268.1572 ng/ml
alpha-PVP	4.330	903285	34895.17	48.0	922.36	162649	251.2323 ng/ml
Alprazolam	5.742	502483	7676.40	109.7	3630.58	66178	241.8651 ng/ml
Amphetamine	3.034	441906	6982.37	54.5	5373.70	22341	248.4755 ng/ml
Benzoylcegonine	3.847	31573	178.52	7.5	659.94	6047	242.4674 ng/ml
Buprenorphine	5.705	1962	163.65	14.7	644.66	2922	27.0069 ng/ml
Bupropion	4.759	438262	1453.29	57.8	10860.90	63891	250.7300 ng/ml
Carisoprodol	5.705	389179	776.70	55.4	783.50	77976	254.2865 ng/ml
Citalopram	5.201	155482	1094.15	43.5	662.77	30507	246.7362 ng/ml
Clonazepam	5.579	59319	1058.71	32.3	502.78	4368	246.1669 ng/ml
Cocaine	4.237	1187895	88784.32	44.4	108926.97	385260	245.5665 ng/ml
Codeine	2.536	152571	6081.27	107.4	1116.53	29402	252.3246 ng/ml
Cyclobenzaprine	5.603	63150	196765.43	11.4	131.89	11739	257.6836 ng/ml
Dextromethorphan	5.231	64338	808.79	80.8	537.59	11868	251.1399 ng/ml
Dextrorphan	4.093	183879	14524.15	207.6	1949.67	95772	249.7812 ng/ml
Diazepam	5.934	410732	43969.44	87.6	13458.85	78497	253.5706 ng/ml

AM #28 Multi-Drug Quant. Results



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Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Dihydrocodeine	2.508	467876	4127.14	66.6	17795.34	114737	255.1328 ng/ml
Diphenhydramine	5.272	327718	26735.66	31.8	9943.43	90669	248.5122 ng/ml
Doxylamine	4.494	1638958	67638.97	99.4	∞	298194	248.3635 ng/ml
EDDP	5.223	317141	12056.84	41.5	∞	69977	248.3102 ng/ml
Fentanyl	5.052	5572	188.39	79.3	∞	13077	24.5669 ng/ml
Fluoxetine	5.695	70106	540.09	8.8	∞	11910	253.2495 ng/ml
Hydrocodone	2.978	365918	∞	39.4	∞	96212	245.9935 ng/ml
Hydromorphone	1.594	324497	1063.67	75.1	1842.02	50148	246.7595 ng/ml
Ketamine	4.006	1102916	81042.35	37.8	2317.93	208000	251.2925 ng/ml
Lamotrigine	4.261	95958	3699.35	79.9	∞	208000	204.8579 ng/ml
Lorazepam	5.720	16685	330.99	53.6	99.89	4368	249.1435 ng/ml
Meprobamate	4.888	94018	10039.13	26.7	683.97	19201	251.8331 ng/ml
Methadone	5.634	145130	1394.30	52.8	4023.00	29307	244.8926 ng/ml
Methamphetamine	3.202	324649	743.39	43.3	569.93	57267	251.2920 ng/ml
Metoprolol	4.299	208814	∞	94.3	7528.94	535291	242.2325 ng/ml
Mirtazapine	4.569	307525	42675.26	49.4	5758.84	162649	178.9814 ng/ml
Mitragynine	5.179	19940	∞	36.1	26280.40	29307	232.4029 ng/ml
Morphine	1.233	72353	1029.56	20.5	609.39	3957	249.2722 ng/ml
Norbuprenorphine	4.956	98	367.79	118.8 High	275.59	217	22.2057 ng/ml
Nordiazepam	5.874	94207	1802.68	56.7	3828.71	12023	257.9802 ng/ml
Norfentanyl	4.054	138140	34862.36	37.3	1382.41	257316	25.0672 ng/ml
Norhydrocodone	3.039	20553	∞	29.4	437.51	24874	280.8507 ng/ml
Noroxycodone	2.883	247527	3907.81	47.1	1268.07	32033	247.4330 ng/ml
O-desmethyl-tramadol	3.341	3344083	68011.92	6.2	3067.91	706794	252.8885 ng/ml
Oxazepam	5.730	20437	230.89	72.3	61.12	5257	248.7317 ng/ml
Oxycodone	2.787	776468	13176.85	30.3	5484.52	148593	254.3832 ng/ml
Oxymorphone	1.390	183597	∞	46.6	2011.20	28103	257.0377 ng/ml
Phentermine	3.758	155569	1980.65	2.8	2246.98	73887	253.8972 ng/ml
Promethazine	5.520	118875	8941.90	30.5	1402.54	22896	246.6339 ng/ml
Quetiapine	5.503	346990	19077.21	53.9	3145.27	18329	254.7054 ng/ml
Sertraline	5.763	36466	826.93	93.6	35708.25	6689	248.4801 ng/ml
Temazepam	5.791	260262	14362.24	31.6	1245.90	59069	248.7733 ng/ml
Tramadol	4.212	2431884	32494.70	3.5	2688.25	535291	250.5613 ng/ml
Trazodone	5.058	234021	15085.70	75.5	1072811.8 1	37406	243.4123 ng/ml
Venlafaxine	5.014	1210394	42069.26	35.8	1365.20	248111	249.4239 ng/ml
Zolpidem	4.810	2469106	1527.80	32.3	2718.60	483998	253.5162 ng/ml

AM #28 Multi-Drug Quant. Results



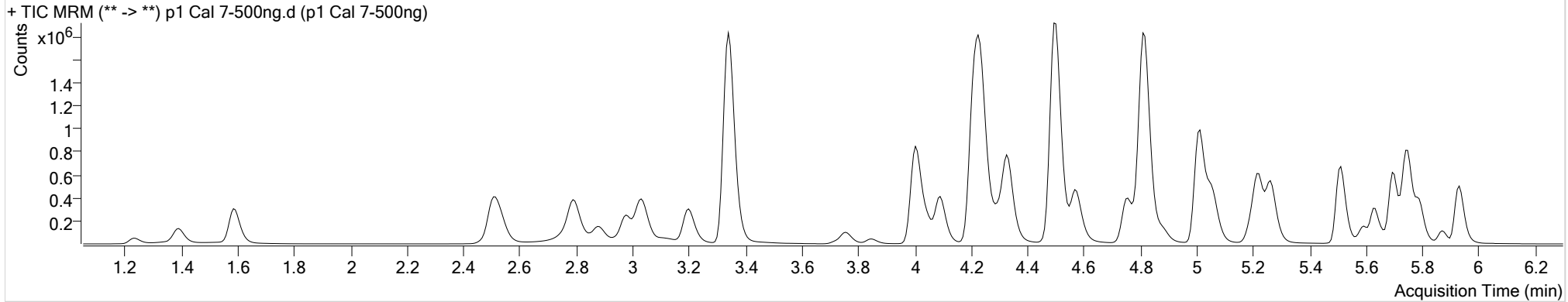
Batch results
Calibration Last Update

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Instrument Type Falco
Acq. Method MDQ P1 Combined 082219.m
Sample Position P1-G5
Injection Volume 1
Acq. Date-Time 9/11/2019 12:04:13 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	3.109	36573	1603.16	73.7	5594.89	17145	49.5528 ng/ml
7-aminoclonazepam	4.224	384618	839.61	81.9	9377.69	36733	485.2208 ng/ml
a-hydroxyalprazolam	5.666	34991	1420.30	69.7	∞	4043	501.3123 ng/ml
alpha-PVP	4.330	1192851	88624.73	48.1	3990.33	107971	500.0100 ng/ml
Alprazolam	5.742	830613	4074.97	109.2	∞	53890	490.2777 ng/ml
Amphetamine	3.034	732746	5750.72	54.6	9557.66	18904	487.9741 ng/ml
Benzoylcegonine	3.847	63049	1155.44	7.4	1185.75	6443	457.1401 ng/ml
Buprenorphine	5.705	4581	555.90	15.8	6253.23	3761	49.8928 ng/ml
Bupropion	4.759	680546	34849.33	58.5	1345.23	49882	499.0532 ng/ml
Carisoprodol	5.698	672932	3040.44	57.0	3179.93	69004	497.3369 ng/ml
Citalopram	5.201	357019	1112.70	43.9	4420.89	35273	490.4699 ng/ml
Clonazepam	5.586	111150	776.86	31.7	∞	3951	510.6989 ng/ml
Cocaine	4.237	1558149	62087.29	44.1	∞	249518	497.2276 ng/ml
Codeine	2.536	208031	3399.74	104.9	12641.72	20535	492.8136 ng/ml
Cyclobenzaprine	5.603	178435	273032.60	11.9	747.51	16999	503.3902 ng/ml
Dextromethorphan	5.231	172175	802.03	82.3	329.32	16400	487.2607 ng/ml
Dextrorphan	4.093	307275	2410.30	204.9	70703.96	81029	493.5269 ng/ml
Diazepam	5.934	599035	2412.57	88.1	5356.25	60407	480.8466 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Dihydrocodeine	2.508	631337	9698.78	67.2	3809.94	82156	481.5939 ng/ml
Diphenhydramine	5.265	828506	25027.57	31.6	2128.38	115028	495.6290 ng/ml
Doxylamine	4.500	2714185	64383.95	98.7	140095.57	245830	499.0811 ng/ml
EDDP	5.223	682627	2986.66	41.9	∞	75380	496.4201 ng/ml
Fentanyl	5.052	16591	1001.19	76.0	9622.12	19193	50.0205 ng/ml
Fluoxetine	5.695	213294	964.60	8.7	∞	18588	494.7589 ng/ml
Hydrocodone	2.978	515584	∞	38.3	682.82	67087	497.5351 ng/ml
Hydromorphone	1.587	488462	3974.92	74.9	2045.68	36772	506.9154 ng/ml
Ketamine	4.006	1590322	198265.75	37.9	1971.85	153571	491.1831 ng/ml
Lamotrigine	4.268	171651	13465.90	82.6	38178.10	153571	499.2006 ng/ml
Lorazepam	5.720	28751	5435.13	54.5	213.12	3951	476.7051 ng/ml
Meprobamate	4.888	187188	10253.00	27.4	204.86	19774	486.8190 ng/ml
Methadone	5.634	393103	3642.91	53.1	7639.81	38946	499.6990 ng/ml
Methamphetamine	3.202	632206	1106.65	42.9	1080.30	55340	512.7370 ng/ml
Metoprolol	4.299	281942	62398.64	94.7	33233.25	325686	538.0950 ng/ml
Mirtazapine	4.576	770194	52704.73	49.2	29925.43	107971	683.3659 ng/ml
Mitragynine	5.179	57137	20944.71	37.7	2378.07	38946	501.6336 ng/ml
Morphine	1.233	109208	6258.07	20.4	158.00	3074	485.0355 ng/ml
Norbuprenorphine	4.963	302	1697.51	80.5	1093.46	267	57.7725 ng/ml
Nordiazepam	5.874	143552	61586.86	57.8	3980.83	9498	497.7459 ng/ml
Norfentanyl	4.054	208182	2110.67	36.8	4502.17	192505	50.5107 ng/ml
Norhydrocodone	3.039	30733	585.09	31.0	583.59	17834	581.0879 ng/ml
Noroxycodone	2.876	331257	609.24	45.8	2847.87	21746	488.0081 ng/ml
O-desmethyl-tramadol	3.341	4414478	22269.78	6.3	7825.05	477341	494.6343 ng/ml
Oxazepam	5.723	35333	643.44	73.1	228.39	4683	482.5399 ng/ml
Oxycodone	2.787	1068952	∞	30.3	3229.46	104264	499.5712 ng/ml
Oxymorphone	1.390	277018	∞	47.0	813.57	21877	498.6680 ng/ml
Phentermine	3.758	266367	1918.23	2.7	237.15	65108	494.7219 ng/ml
Promethazine	5.513	351747	3441.16	30.1	3511.08	33301	501.9580 ng/ml
Quetiapine	5.503	758338	7024.42	55.9	5859.24	21463	475.6642 ng/ml
Sertraline	5.763	107660	1548.02	91.7	83627.29	9593	512.3822 ng/ml
Temazepam	5.791	463524	4876.98	31.5	667.41	52530	498.8443 ng/ml
Tramadol	4.212	2964309	92394.12	3.5	1679.09	325686	502.6895 ng/ml
Trazodone	5.058	585930	327647.23	75.5	182708.23	47675	477.3845 ng/ml
Venlafaxine	5.014	1834347	2934.31	35.7	14755.10	189908	493.9483 ng/ml
Zolpidem	4.810	3796967	1657.38	32.0	2140.08	377531	500.0849 ng/ml

AM #28 Multi-Drug Quant. Results



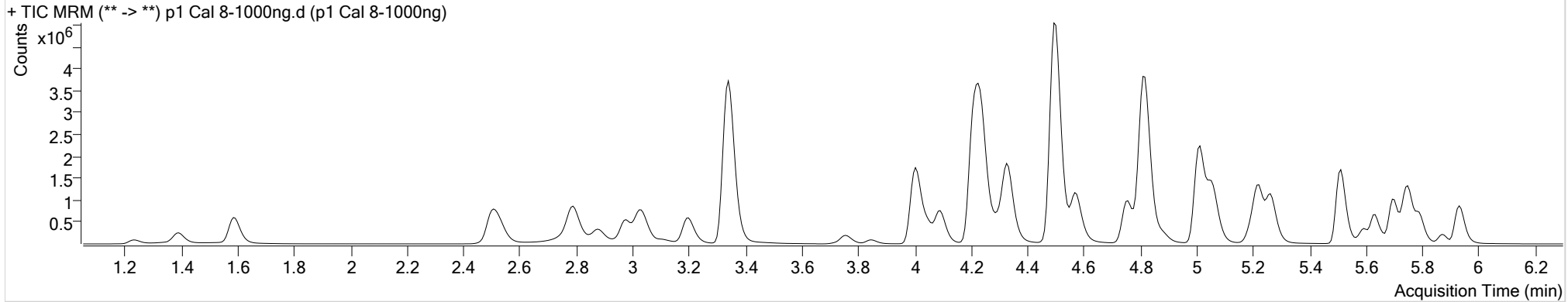
Batch results
Calibration Last Update

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9/12/2019 10:10:17 AM

Instrument Falco
Type Cal
Acq. Method MDQ P1 Combined 082219.m
Sample Position P1-H5
Injection Volume 1
Acq. Date-Time 9/11/2019 12:14:39 PM
Sample Info.

Data File p1 Cal 8-1000ng.d
Sample p1 Cal 8-1000ng
Operator
Comment

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.103	85120	2113.23	73.8	84960.06	19556	101.1095 ng/ml
7-aminoclonazepam	4.224	524925	5353.78	81.2	8232.61	28529	853.0809 ng/ml
a-hydroxyalprazolam	5.666	69922	913.36	66.6	697.91	4108	987.3382 ng/ml
alpha-PVP	4.330	3028499	2117.33	48.5	2394.02	135589	1011.1229 ng/ml
Alprazolam	5.749	1420849	13836.22	106.2	2840.18	44129	1023.4403 ng/ml
Amphetamine	3.034	1485172	514.52	55.0	13655.76	19313	969.1913 ng/ml
Benzoylcegonine	3.847	137570	4649.42	7.6	1881.58	6130	1052.3135 ng/ml
Buprenorphine	5.705	7101	∞	15.7	2754.82	3312	88.6407 ng/ml
Bupropion	4.759	1725556	227746.88	58.2	131830.81	63030	1001.7949 ng/ml
Carisoprodol	5.705	1101771	1798.08	56.1	1544.59	55999	1003.8982 ng/ml
Citalopram	5.201	775382	1161.54	43.5	1194.48	37044	1014.8079 ng/ml
Clonazepam	5.586	236344	6587.53	32.1	376650.24	4600	933.0399 ng/ml
Cocaine	4.237	3616384	227341.41	43.8	193092.93	284867	1010.7264 ng/ml
Codeine	2.536	413567	1220.03	104.5	8818.18	20033	1004.4977 ng/ml
Cyclobenzaprine	5.603	450431	1603027.86	11.6	∞	20974	1030.5236 ng/ml
Dextromethorphan	5.231	383514	1514.22	81.6	7490.83	17605	1012.1660 ng/ml
Dextrorphan	4.093	584083	19792.66	204.7	61821.79	75389	1008.4830 ng/ml
Diazepam	5.934	1133362	15898.13	86.8	751.41	55167	996.5078 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Dihydrocodeine	2.501	1297264	32161.12	68.3	84920.97	94796	858.3261 ng/ml
Diphenhydramine	5.265	1790593	1120.32	32.1	746.63	122454	1006.6325 ng/ml
Doxylamine	4.494	7301475	211570.82	97.4	∞	328732	1004.1694 ng/ml
EDDP	5.223	1621961	2034.62	41.9	1410.52	88231	1007.9798 ng/ml
Fentanyl	5.052	40238	1593.01	74.1	∞	22335	104.4297 ng/ml
Fluoxetine	5.695	452284	1407.91	8.6	∞	18633	1047.8903 ng/ml
Hydrocodone	2.978	1211298	∞	40.5	211.48	81595	961.4691 ng/ml
Hydromorphone	1.587	1006778	2154.15	76.3	964.36	38960	986.4573 ng/ml
Ketamine	4.006	3509593	6079.16	37.5	33025.00	172268	966.7459 ng/ml
Lamotrigine	4.268	293836	25522.54	82.1	∞	172268	762.8608 ng/ml
Lorazepam	5.720	64447	∞	51.5	226.27	4600	919.6311 ng/ml
Meprobamate	4.888	343268	22770.36	26.8	562.76	17447	1011.7488 ng/ml
Methadone	5.634	882529	5897.53	53.2	51058.44	43642	1001.6340 ng/ml
Methamphetamine	3.202	1259186	5393.39	42.9	1349.26	58073	978.7814 ng/ml
Metoprolol	4.299	572369	4382281.35	96.2	∞	405896	876.7923 ng/ml
Mirtazapine	4.576	1928281	113408.90	49.4	10737.52	135589	1365.3099 ng/ml
Mitragynine	5.179	129559	18113.81	37.6	∞	43642	1015.5087 ng/ml
Morphine	1.233	210676	5719.40	20.8	232.55	2978	966.3166 ng/ml
Norbuprenorphine	4.956	547	1778.74	89.8	1071.12	295	95.5415 ng/ml
Nordiazepam	5.874	292859	1879.84	57.0	1688.28	9605	1004.3345 ng/ml
Norfentanyl	4.054	557674	367716.17	37.1	3240.49	245417	106.1509 ng/ml
Norhydrocodone	3.039	83524	974.48	32.4 High	406.80	21188	1323.6759 ng/ml
Noroxycodone	2.876	749785	∞	46.2	422.46	24630	975.4813 ng/ml
O-desmethyl-tramadol	3.341	9854438	∞	6.4	24551.26	528441	997.7492 ng/ml
Oxazepam	5.723	72774	1033.89	71.0	149.31	4683	993.7871 ng/ml
Oxycodone	2.787	2497838	3467.78	30.8	5637.69	124534	977.8152 ng/ml
Oxymorphone	1.390	578871	∞	46.4	632.90	24240	940.8522 ng/ml
Phentermine	3.758	550872	720.24	2.7	403.65	71938	927.2697 ng/ml
Promethazine	5.520	867121	64165.46	30.5	1572.70	40661	1013.6520 ng/ml
Quetiapine	5.503	2006273	171791.55	56.1	3410.19	27943	966.9192 ng/ml
Sertraline	5.763	209941	4286.13	93.1	1188.71	9656	993.3396 ng/ml
Temazepam	5.791	905098	11726.87	31.7	558.72	50052	1022.9534 ng/ml
Tramadol	4.212	6973688	77083.88	3.5	1714.04	405896	949.5359 ng/ml
Trazodone	5.058	1785295	401401.28	75.9	17074.88	66492	1041.9603 ng/ml
Venlafaxine	5.014	4426426	127956.16	35.3	1757.71	224621	1007.8396 ng/ml
Zolpidem	4.817	8399299	∞	31.7	67537.14	432607	965.6817 ng/ml