

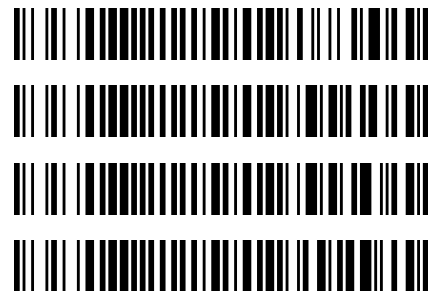
Worklist: 4595

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2020-3661	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2020-3754	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2020-3764	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2020-3765	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2020-3816	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2020-3889	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2020-3973	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2020-3996	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-2772	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-2819	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-2823	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-2945	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-2950	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-2952	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-2954	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-2955	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-2965	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-2969	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-2972	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-3000	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-3003	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

Worklist: 4595

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<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
P2020-3007	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2020-3007	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2020-3007	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2020-3013	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ



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

Extraction Date: 11/05/20
 Plate lot#: IDP-111-2-200513

Analyst: Sarah Pickle
 Plate Expiration: 11/13/20

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

Blank Blood Lot: Hemostat 445283-4
LCMS-QQQ ID: 069901

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

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

Pre-Analytic:

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

Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Pipette **250 µL blood (calibrated pipette)** in wells of analytical (standards) plate. **Pipette ID: #16**
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 4. Pipette **250 µL 0.5 M 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)
- 8. Wait 5 minutes.
- 9. Add **900 µL ethyl acetate**.
- 10. Wait 5 minutes.
- 11. Apply positive pressure for approx. 10-15 seconds. *(12-15 PSI- Selector to the left)*.
- 12. Add **900 µL ethyl acetate**.
- 13. Wait 5 minutes.
- 14. Apply positive pressure for approx. 15 seconds. *(12-15 PSI- Selector to the left)*.
- 15. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C.
- 16. Reconstitute in **100 µL 20% LCMS MeOH in water** and heat seal plate with foil. Place in autosampler and run worklist.

Post-Analytic

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

COMMENTS:

Curves limited: Clonazepam 5-500, Dihydrocodeine 5-500, Lamotrigine 5-250, Lorazepam 5-100, MDA 5-500, Mirtazapine 5-500, Norbuprenorphine 1-100, Norhydrocodone 5-500, Phentermine 5-500

AM #28 Multi-Drug Quant. Results

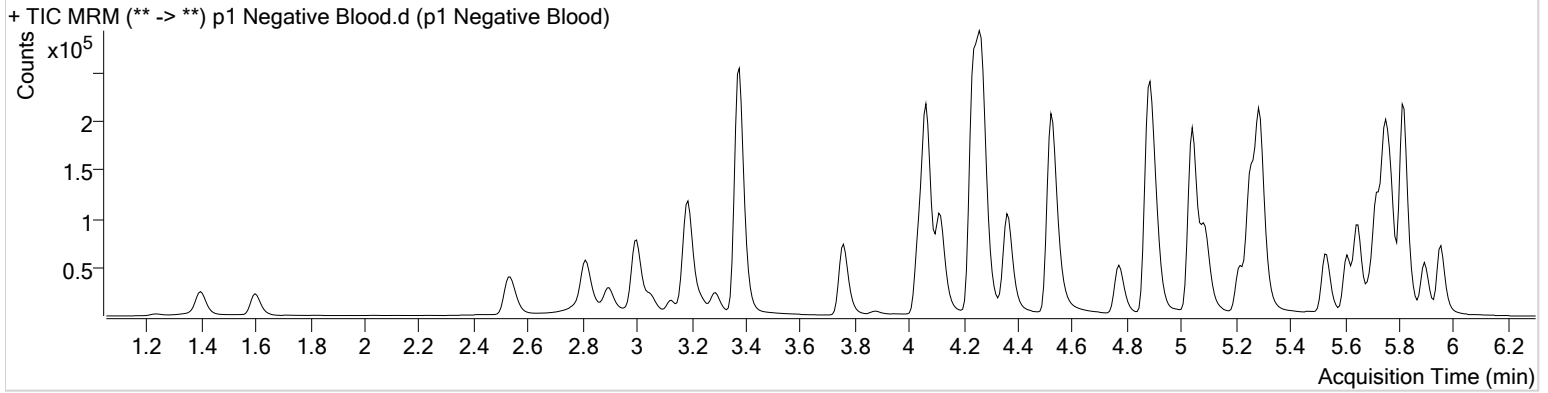
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Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Calibration Last Update 11/9/2020 11:43:25 AM

Instrument	Falco	Data File	p1 Negative Blood.d
Type	Sample	Sample	p1 Negative Blood
Acq. Method	MDQ P1 060520.m	Operator	Sarah Pickle
Sample Position	P2-C11	Comment	
Injection Volume	2		
Acq. Date-Time	11/5/2020 10:29:13 PM		
Sample Info.			

Sample Chromatogram



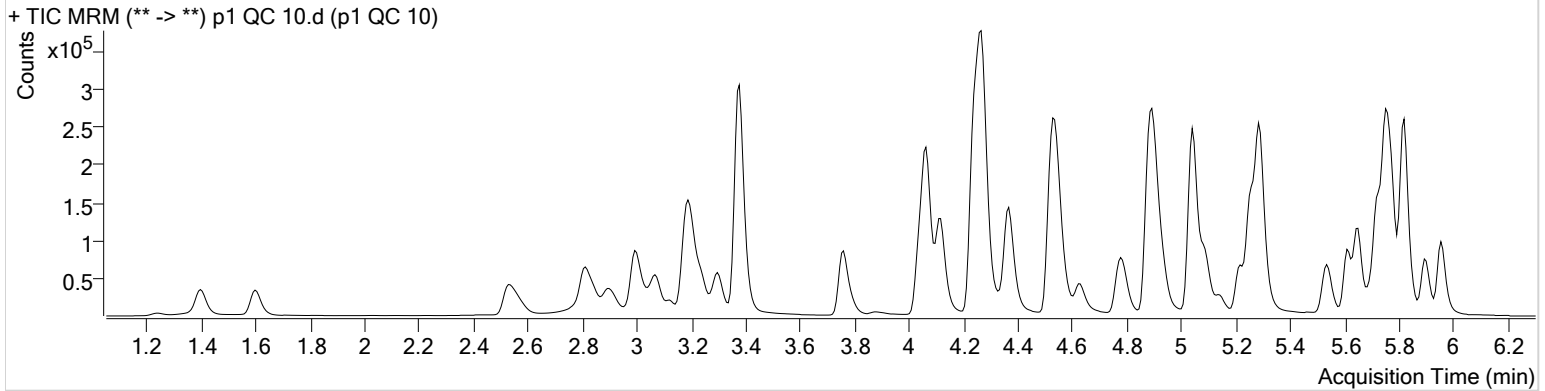
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Calibration Last Update 11/9/2020 3:09:07 PM

Instrument	Falco	Data File	p1 QC 10.d
Type	QC	Sample	p1 QC 10
Acq. Method	MDQ P1 060520.m	Operator	Sarah Pickle
Sample Position	P2-H11	Comment	
Injection Volume	2		
Acq. Date-Time	11/5/2020 8:53:49 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.139	1456	2984.52	67.1	2318.30	31603	1.0331 ng/ml
7-aminoclonazepam	4.277	25412	11833.75	87.0	15765.11	97671	9.5813 ng/ml
a-hydroxyalprazolam	5.701	12135	230.65	64.3	200.22	34197	10.2479 ng/ml
alpha-PHP	4.942	15083	812.28	256.0	15102.08	268003	10.1011 ng/ml
alpha-PVP	4.376	61779	1124.97	50.7	1475.83	268003	9.9876 ng/ml
Alprazolam	5.778	44386	1424.28	106.9	1292.16	140768	10.2030 ng/ml
Amphetamine	3.078	70089	2881.65	51.6	1520.45	85175	10.4748 ng/ml
Benzoylecgonine	3.905	2017	41.65	7.0	60.14	7058	10.7379 ng/ml
Buprenorphine	5.796	507	163.64	18.8	∞	20264	0.9880 ng/ml
Bupropion	4.793	45170	434.34	58.2	2810.93	156713	10.1032 ng/ml
Carisoprodol	5.727	46484	13590.62	56.8	573.06	226260	10.2220 ng/ml
Citalopram	5.217	25416	1732.80	44.7	2473.34	118063	9.7974 ng/ml
Clonazepam	5.615	51863	2617.11	34.7	163415.77	65291	9.8990 ng/ml
Cocaine	4.270	62628	1443.88	46.3	320.34	463883	10.2931 ng/ml
Codeine	2.583	6684	169.27	108.4	1499.81	31601	10.1954 ng/ml
Cyclobenzaprine	5.619	7856	8804.11	11.1	78.11	30000	11.1798 ng/ml
Dextromethorphan	5.266	13148	387.05	78.7	789.66	59451	10.3249 ng/ml
Dextrophan	4.117	18589	420.38	207.7	1908.84	223002	9.7893 ng/ml
Diazepam	5.963	31884	582.85	86.9	355.34	145826	10.3292 ng/ml
Dihydrocodeine	2.562	17444	8281.43	63.4	863.55	91848	10.1762 ng/ml
Diphenhydramine	5.294	72159	372.65	32.7	1315.89	428162	10.2739 ng/ml
Doxylamine	4.548	137217	∞	102.0	14474.98	609476	9.9751 ng/ml
EDDP	5.259	44378	456.61	40.8	581.33	235558	9.7842 ng/ml
Fentanyl	5.100	1206	126.09	71.0	∞	52596	1.0644 ng/ml
Fluoxetine	5.703	5652	∞	8.5	66.03	16953	12.8683 ng/ml
Hydrocodone	3.020	25341	108.00	36.6	169.90	143875	10.4289 ng/ml
Hydromorphone	1.608	20551	1358.71	75.5	235.81	63651	9.8848 ng/ml
Ketamine	4.058	51237	1668.84	38.7	2397.08	230339	10.2458 ng/ml
Lamotrigine	4.286	5127	845.50	81.3	606.44	230339	10.6557 ng/ml
Lorazepam	5.749	42203	264.63	56.0	439.13	65291	9.7759 ng/ml
MDA	3.211	79996	369.80	23.1	749.87	201053	10.7837 ng/ml
MDMA	3.304	53846	8470.97	67.5	2625.10	52116	10.5465 ng/ml
Meprobamate	4.930	27393	1391.85	28.8	172.69	129984	9.6121 ng/ml

AM #28 Multi-Drug Quant. Results

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Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.650	35874	2795.98	52.4	674.98	171958	9.9172 ng/ml
Methamphetamine	3.245	48771	500.97	39.8	386.65	189025	10.7042 ng/ml
Metoprolol	4.332	12060	1136.43	91.4	∞	590817	10.1888 ng/ml
Mirtazapine	4.629	56863	1134.64	50.9	3044.45	268003	9.8807 ng/ml
Mitragynine	5.228	5945	1525.49	38.2	347.45	171958	10.3998 ng/ml
Morphine	1.246	3606	3198.00	35.2	649.00	4844	10.0155 ng/ml
Norbuprenorphine	4.991	80	31.49	109.9	908.06	3502	0.9374 ng/ml
Nordiazepam	5.903	32267	2836.14	58.1	679.12	102660	10.2942 ng/ml
Norfentanyl	4.092	9112	2723.07	33.8	392.26	398183	0.9808 ng/ml
Norhydrocodone	3.068	3737	245.48	39.3	74.86	37445	10.4705 ng/ml
Noroxycodone	2.918	23930	432.31	47.9	552.44	82533	10.7274 ng/ml
O-desmethyl-tramadol	3.377	119406	1333.17	6.6	1364.83	637376	10.1058 ng/ml
Oxazepam	5.759	54902	∞	73.0	∞	306675	9.5146 ng/ml
Oxycodone	2.836	43979	1029.72	32.7	919.41	192964	10.3384 ng/ml
Oxymorphone	1.403	22535	∞	46.7	438.91	79287	10.3819 ng/ml
Phentermine	3.797	18004	647.07	3.9	62.85	218446	10.7415 ng/ml
Promethazine	5.536	17857	582.76	29.4	242.74	66016	11.6635 ng/ml
Quetiapine	5.546	29679	3351.20	56.0	∞	37311	10.6791 ng/ml
Sertraline	5.772	2157	123.41	106.3	200.34	6820	12.7937 ng/ml
Temazepam	5.826	93570	892.09	30.0	530.74	425520	10.2232 ng/ml
Tramadol	4.252	122879	7930.49	3.5	210.30	590817	10.5436 ng/ml
Trazodone	5.141	26940	1089.28	75.2	4189.67	110729	10.3119 ng/ml
Venlafaxine	5.041	96879	887.54	38.1	825.51	484549	10.6795 ng/ml
Zolpidem	4.906	119223	25097.53	31.6	5836.25	587071	10.2578 ng/ml

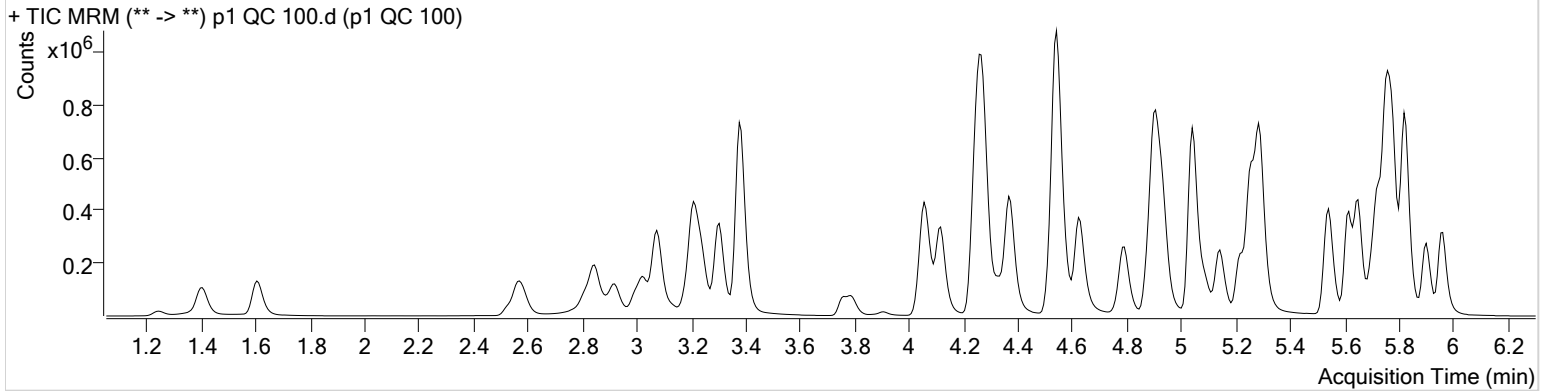
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Calibration Last Update 11/9/2020 11:43:25 AM

Instrument	Falco	Data File	p1 QC 100.d
Type	QC	Sample	p1 QC 100
Acq. Method	MDQ P1 060520.m	Operator	Sarah Pickle
Sample Position	P2-G11	Comment	
Injection Volume	2		
Acq. Date-Time	11/5/2020 9:15:01 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.139	13441	1796.93	74.1	1042.72	30364	10.6659 ng/ml
7-aminoclonazepam	4.277	204730	8888.42	84.1	5591.53	74650	98.1210 ng/ml
a-hydroxyalprazolam	5.701	112572	1168.99	65.8	622.08	32025	106.3590 ng/ml
alpha-PHP	4.935	140942	∞	260.4	116147.62	244670	108.5678 ng/ml
alpha-PVP	4.376	578837	∞	51.6	25361.62	244670	104.5362 ng/ml
Alprazolam	5.778	408771	1523.39	106.3	12025.37	122472	104.7163 ng/ml
Amphetamine	3.078	531579	35471.60	52.2	7562.84	68219	110.6653 ng/ml
Benzoylecgonine	3.905	20865	8393.66	7.7	∞	6862	103.2280 ng/ml
Buprenorphine	5.796	6149	∞	17.2	2735.81	22892	10.3736 ng/ml
Bupropion	4.793	377080	115316.05	59.1	24363.90	130281	104.0562 ng/ml
Carisoprodol	5.727	427207	130605.85	55.1	4087.01	198736	109.1611 ng/ml
Citalopram	5.217	270710	10372.79	42.9	2970.74	117475	105.6092 ng/ml
Clonazepam	5.615	473066	39082.21	34.3	14698.07	58875	106.1181 ng/ml
Cocaine	4.263	571837	117305.48	46.2	∞	414278	107.4723 ng/ml
Codeine	2.590	61060	2843.37	107.7	75890.63	28689	108.4095 ng/ml
Cyclobenzaprine	5.619	119659	2187.34	9.8	570.93	48120	105.6147 ng/ml
Dextromethorphan	5.266	138113	9754.32	79.8	323.54	62605	104.9405 ng/ml
Dextrorphan	4.117	177978	16229.05	211.8	1995.78	206232	102.6835 ng/ml
Diazepam	5.963	297316	7065.68	87.9	6844.37	133285	109.5188 ng/ml
Dihydrocodeine	2.562	164866	2360.40	64.7	3453.86	88739	108.4205 ng/ml
Diphenhydramine	5.294	741948	138796.96	33.2	25488.81	434023	103.8445 ng/ml
Doxylamine	4.541	1348618	∞	99.5	109569.63	575783	107.0552 ng/ml
EDDP	5.259	514285	73794.94	42.3	95655.66	265657	101.9853 ng/ml
Fentanyl	5.100	15294	370.41	75.5	82585.27	69559	10.4007 ng/ml
Fluoxetine	5.703	110392	7444.31	9.2	557.98	41553	107.7859 ng/ml
Hydrocodone	3.027	231892	∞	38.5	∞	134515	113.1603 ng/ml
Hydromorphone	1.608	190077	1560.20	75.8	745.57	59304	102.7664 ng/ml
Ketamine	4.058	472768	102231.11	38.5	374.60	208829	110.4769 ng/ml
Lamotrigine	4.286	45461	18602.66	80.1	∞	208829	114.4640 ng/ml
Lorazepam	5.749	341038	∞	57.3	4684.11	58875	100.7028 ng/ml
MDA	3.211	667043	16727.05	23.3	1556.94	173367	111.8580 ng/ml
MDMA	3.304	494767	39195.23	68.6	25992.24	47330	109.7851 ng/ml
Meprobamate	4.930	240705	1007.74	27.4	556.02	108758	107.8661 ng/ml

AM #28 Multi-Drug Quant. Results

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Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.649	420436	69561.12	51.0	18765.12	191502	105.7732 ng/ml
Methamphetamine	3.245	281502	1359.02	39.7	4425.16	123642	111.5557 ng/ml
Metoprolol	4.332	113934	113068.49	90.1	15721.29	578454	104.7310 ng/ml
Mirtazapine	4.623	589630	12865.69	50.7	35339.11	244670	113.0889 ng/ml
Mitragynine	5.228	70543	8536.50	38.7	2740.86	191502	117.0951 ng/ml
Morphine	1.246	33995	840.48	34.4	2217.79	4442	108.7520 ng/ml
Norbuprenorphine	4.991	830	166.39	92.0	500.15	3669	10.5837 ng/ml
Nordiazepam	5.903	305756	14594.36	58.4	1947.49	94658	109.1074 ng/ml
Norfentanyl	4.092	85614	73590.34	34.0	6125.55	363222	9.5288 ng/ml
Norhydrocodone	3.075	31299	∞	41.5	167.85	30868	103.9475 ng/ml
Noroxycodone	2.918	214083	4517.25	48.9	2661.20	73570	112.9900 ng/ml
O-desmethyl-tramadol	3.383	1159654	∞	6.5	14890.34	594277	106.7743 ng/ml
Oxazepam	5.759	473322	∞	71.5	∞	261333	115.9366 ng/ml
Oxycodone	2.843	433751	6239.84	31.2	1725.07	179652	111.9240 ng/ml
Oxymorphone	1.403	197632	∞	47.1	∞	70019	106.0927 ng/ml
Phentermine	3.797	143350	5390.10	3.6	284.56	174261	114.7994 ng/ml
Promethazine	5.536	268860	729.25	30.5	2032.45	109956	105.7047 ng/ml
Quetiapine	5.546	339753	100803.84	56.8	∞	42542	111.8491 ng/ml
Sertraline	5.779	51818	4243.15	90.9	1539.98	19844	109.2288 ng/ml
Temazepam	5.826	912238	41310.66	29.7	23869.97	409241	106.0163 ng/ml
Tramadol	4.252	1146787	64022.43	3.5	2672.70	578454	108.4043 ng/ml
Trazodone	5.141	346819	8937.34	76.3	1345.88	142876	105.6876 ng/ml
Venlafaxine	5.041	958680	1148.74	37.6	8143.16	456932	110.9728 ng/ml
Zolpidem	4.906	1171995	100937.49	30.7	44439.91	575863	110.2736 ng/ml

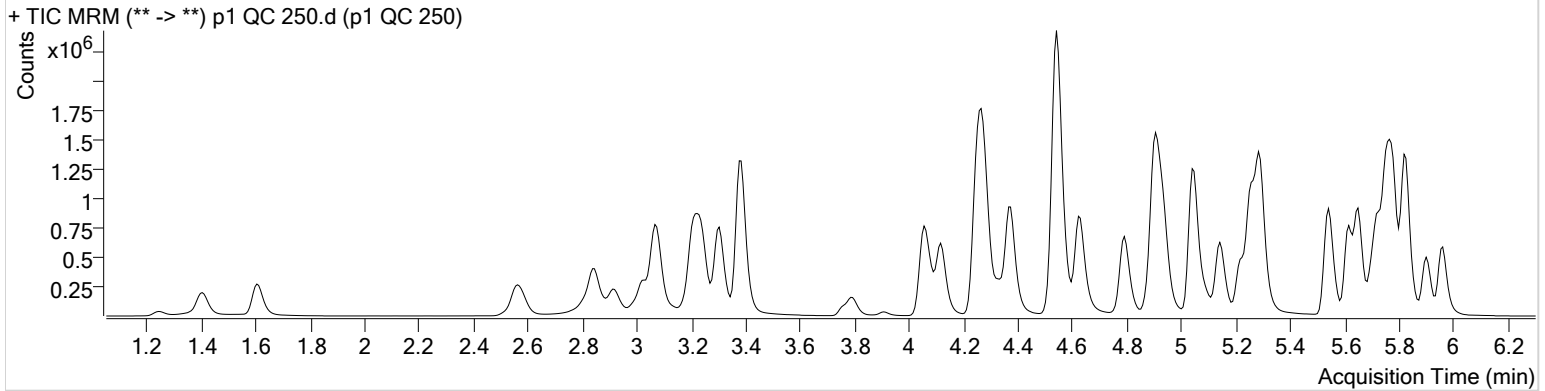
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Calibration Last Update 11/9/2020 11:43:25 AM

Instrument	Falco	Data File	p1 QC 250.d
Type	QC	Sample	p1 QC 250
Acq. Method	MDQ P1 060520.m	Operator	Sarah Pickle
Sample Position	P2-F11	Comment	
Injection Volume	2		
Acq. Date-Time	11/5/2020 9:36:13 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.139	32775	3988.05	73.4	5261.95	30320	26.1707 ng/ml
7-aminoclonazepam	4.284	461379	9440.96	82.5	395.30	67440	244.3139 ng/ml
a-hydroxyalprazolam	5.701	237202	∞	63.4	2619.45	28402	253.4480 ng/ml
alpha-PHP	4.942	310935	6875.45	260.8	∞	241733	243.1164 ng/ml
alpha-PVP	4.376	1377051	5199.75	51.9	∞	241733	252.0221 ng/ml
Alprazolam	5.778	862232	6909.90	105.2	∞	104428	258.5425 ng/ml
Amphetamine	3.071	1413879	37293.21	52.1	36576.47	82192	245.9414 ng/ml
Benzoylcegonine	3.905	51771	9603.40	7.6	5072.60	7265	240.4078 ng/ml
Buprenorphine	5.796	13774	∞	17.2	1670.92	21412	24.8119 ng/ml
Bupropion	4.793	1058308	99057.08	57.9	15132.99	148849	256.0322 ng/ml
Carisoprodol	5.727	845878	4969.09	55.5	15705.11	168708	254.9231 ng/ml
Citalopram	5.217	628999	721.17	42.7	849.57	114287	252.3353 ng/ml
Clonazepam	5.615	954638	7773.48	34.7	79307.58	52899	239.1549 ng/ml
Cocaine	4.270	1225670	185957.19	46.2	72627.12	367488	260.0277 ng/ml
Codeine	2.583	139913	6465.21	103.0	26434.24	27490	260.1404 ng/ml
Cyclobenzaprine	5.619	333000	717.96	9.9	1787.13	55912	252.8653 ng/ml
Dextromethorphan	5.266	319269	378.11	78.4	18804.50	60100	253.0012 ng/ml
Dextrophan	4.117	391541	16988.75	210.7	3605.74	187245	249.0077 ng/ml
Diazepam	5.963	632744	13813.41	88.3	10611.49	122026	255.1749 ng/ml
Dihydrocodeine	2.555	377237	944.49	64.9	1449.50	90221	245.2681 ng/ml
Diphenhydramine	5.294	1726411	1808.08	33.2	986.10	421357	248.8392 ng/ml
Doxylamine	4.541	3230704	278654.92	98.9	167980.25	580175	254.9970 ng/ml
EDDP	5.259	1188775	38355.22	41.9	24188.97	256866	244.0254 ng/ml
Fentanyl	5.100	43483	436.95	74.9	∞	80234	25.6696 ng/ml
Fluoxetine	5.703	313144	106350.97	9.2	480.67	49914	255.5564 ng/ml
Hydrocodone	3.020	535977	∞	39.1	2365.87	140003	252.8388 ng/ml
Hydromorphone	1.608	423485	2660.63	75.2	3499.71	56828	239.6241 ng/ml
Ketamine	4.058	1101812	112805.63	39.0	1165.46	212254	254.1921 ng/ml
Lamotrigine	4.293	93109	4964.32	80.2	185706.72	212254	231.8353 ng/ml
* Lorazepam	5.749	539210	4004.43	57.4	5036.70	52899	178.4565 ng/ml
MDA	3.211	1380339	∞	23.5	2450.33	162650	247.7789 ng/ml
MDMA	3.304	1123218	∞	68.9	80790.97	44928	263.0280 ng/ml
Meprobamate	4.936	442076	323027.78	27.3	8932.23	88443	244.5284 ng/ml

AM #28 Multi-Drug Quant. Results

5



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.650	1020613	110865.38	51.5	74112.06	192968	255.0230 ng/ml
Methamphetamine	3.245	1034162	28123.36	39.3	4621.12	187127	273.9056 ng/ml
Metoprolol	4.332	251184	26033.20	93.1	8939.41	523141	256.3727 ng/ml
Mirtazapine	4.623	1389804	185909.25	49.8	107475.38	241733	269.9134 ng/ml
Mitragynine	5.228	181227	16696.89	38.6	227528.72	192968	299.5476 ng/ml
Morphine	1.246	76662	1569.48	34.1	542.57	4435	246.4214 ng/ml
Norbuprenorphine	4.991	2048	114.67	89.7	24080.06	3710	26.0402 ng/ml
Nordiazepam	5.903	636831	1075.48	58.5	82435.97	82730	260.5073 ng/ml
Norfentanyl	4.092	230943	791.92	34.3	49194.19	384690	24.1741 ng/ml
Norhydrocodone	3.068	61134	∞	39.7	∞	25870	241.9060 ng/ml
Noroxycodone	2.918	459289	3738.67	47.6	18560.16	67864	263.5694 ng/ml
O-desmethyl-tramadol	3.383	2674834	100257.22	6.5	16775.48	572113	256.0486 ng/ml
Oxazepam	5.759	841278	∞	71.3	7509.98	197290	275.8791 ng/ml
Oxycodone	2.843	1020647	4032.37	31.3	2470.00	185069	255.9783 ng/ml
Oxymorphone	1.403	430736	725.23	47.2	∞	66678	243.2429 ng/ml
Phentermine	3.797	343732	7268.41	3.8	1603.60	196065	245.6157 ng/ml
Promethazine	5.536	730319	28533.55	29.9	2330.56	124275	254.0963 ng/ml
Quetiapine	5.546	773897	197697.00	58.9	831409.44	43007	252.6590 ng/ml
Sertraline	5.772	123738	2488.50	90.1	21147.74	20356	254.9268 ng/ml
Temazepam	5.826	1986440	75943.04	29.2	6046.15	374249	252.8002 ng/ml
Tramadol	4.252	2478080	145451.08	3.6	6875.72	523141	260.3041 ng/ml
Trazodone	5.141	887194	∞	77.1	∞	152387	253.9205 ng/ml
Venlafaxine	5.041	2069719	4037.89	37.7	8024.48	417522	262.0391 ng/ml
Zolpidem	4.906	2681529	3875.50	31.0	159273.95	570023	255.9775 ng/ml

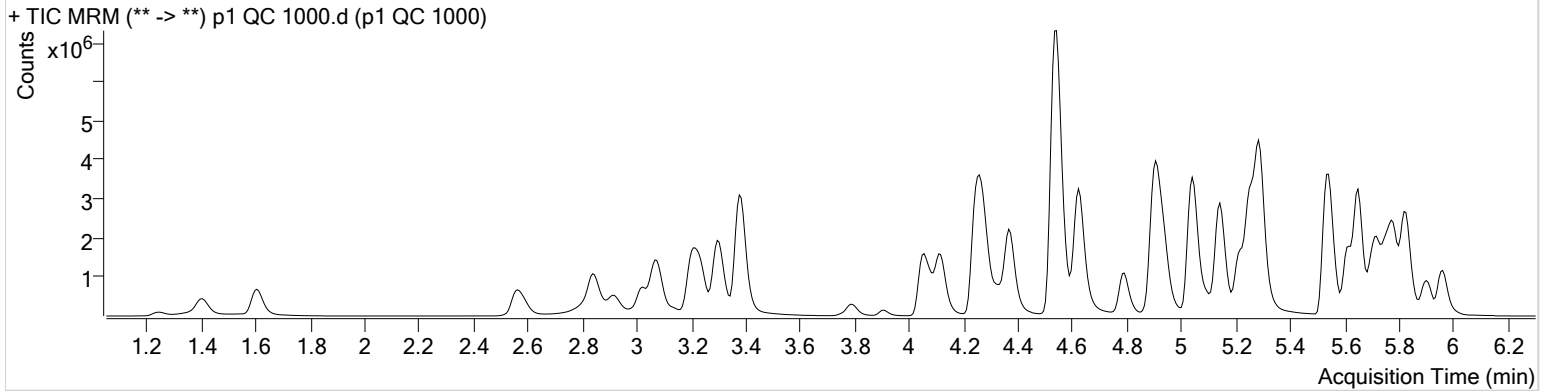
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Calibration Last Update 11/9/2020 11:43:25 AM

Instrument Falco **Data File** p1 QC 1000.d
Type QC **Sample** p1 QC 1000
Acq. Method MDQ P1 060520.m **Operator** Sarah Pickle
Sample Position P2-E11 **Comment**
Injection Volume 2
Acq. Date-Time 11/5/2020 9:57:24 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.139	126774	3288.66	72.0	54143.00	29582	104.0097 ng/ml
7-aminoclonazepam	4.284	686223	10039.70	79.9	15763.60	21785	1123.8086 ng/ml
a-hydroxyalprazolam	5.695	458564	1234.16	64.3	∞	16232	858.6132 ng/ml
alpha-PHP	4.935	893568	109026.06	262.4	∞	161532	1047.4122 ng/ml
alpha-PVP	4.369	3628256	2363.68	51.7	2985.95	161532	994.3653 ng/ml
Alprazolam	5.778	1906419	2034.05	104.0	∞	57710	1033.3798 ng/ml
Amphetamine	3.078	2764430	120116.40	51.5	99048.32	47281	839.1745 ng/ml
Benzoylecgonine	3.905	244981	1293.90	7.6	∞	7092	1160.8937 ng/ml
Buprenorphine	5.796	56435	∞	17.4	27658.01	21860	99.5004 ng/ml
Bupropion	4.793	1767357	132779.52	58.0	3496.91	67603	942.1963 ng/ml
Carisoprodol	5.727	1607229	∞	55.9	94912.69	77961	1048.9062 ng/ml
Citalopram	5.210	2374998	2331.28	42.0	2764.61	106809	1019.7105 ng/ml
* Clonazepam	5.615	1484358	73448.29	34.4	67144.60	27404	719.1350 ng/ml
Cocaine	4.263	3186184	192673.99	46.3	2372386.47	238825	1040.8394 ng/ml
Codeine	2.583	353718	5410.23	100.0	27340.27	20340	890.3927 ng/ml
Cyclobenzaprine	5.619	2050347	9167.17	9.7	7044.72	82097	1060.1407 ng/ml
Dextromethorphan	5.260	1142311	520.65	79.5	580.35	53838	1011.1487 ng/ml
Dextrophan	4.117	1221386	91809.67	212.7	81493.72	145621	999.2230 ng/ml
Diazepam	5.963	1531771	∞	87.3	77709.42	77972	968.0115 ng/ml
* Dihydrocodeine	2.555	1040625	393.38	65.2	319.63	86424	708.2104 ng/ml
Diphenhydramine	5.294	6848767	639.50	32.9	529.35	403246	1031.3674 ng/ml
Doxylamine	4.541	11009352	989130.93	97.8	451488.27	530624	951.0548 ng/ml
EDDP	5.252	4073482	1138.72	41.1	3558.88	212207	1012.6485 ng/ml
Fentanyl	5.100	295872	94329.47	73.2	498680.92	132769	105.6236 ng/ml
Fluoxetine	5.703	1998426	78942.35	8.8	17310.55	79161	1030.6171 ng/ml
Hydrocodone	3.020	1557821	∞	38.6	436.06	124086	832.0158 ng/ml
Hydromorphone	1.608	1232212	1425.79	75.2	∞	42213	940.1403 ng/ml
Ketamine	4.050	2992199	5982.76	38.2	3326.21	160134	916.7460 ng/ml
* Lamotrigine	4.293	178238	22857.98	78.3	∞	160134	590.0448 ng/ml
* Lorazepam	5.749	629611	∞	54.7	20381.09	27404	404.3010 ng/ml
* MDA	3.204	3206683	100153.93	23.3	15602.12	121374	773.2127 ng/ml
MDMA	3.298	3238088	492576.96	68.5	516124.29	35761	953.5330 ng/ml
Meprobamate	4.936	682686	621.34	28.0	86253.57	37818	885.0072 ng/ml

AM #28 Multi-Drug Quant. Results

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Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.650	4489449	144244.75	51.2	10336.68	207231	1045.0390 ng/ml
Methamphetamine	3.239	1663099	38263.24	39.7	19541.12	87889	943.1433 ng/ml
Metoprolol	4.332	705044	1185233.10	92.5	∞	433257	870.6741 ng/ml
* Mirtazapine	4.623	5741736	12944.70	50.0	51486.22	161532	1669.1812 ng/ml
Mitragynine	5.228	670830	53477.95	38.5	87404.32	207231	1034.0848 ng/ml
Morphine	1.246	221453	17182.81	34.5	8856.75	3385	934.4506 ng/ml
Norbuprenorphine	4.991	9794	456.68	95.3	393.03	4646	99.8684 ng/ml
Nordiazepam	5.903	1391457	39161.83	58.0	1094.41	49315	955.8390 ng/ml
Norfentanyl	4.085	784323	248729.52	35.0	2491.10	275061	114.5898 ng/ml
* Norhydrocodone	3.068	187073	406.53	38.8	∞	16356	1169.8217 ng/ml
Noroxycodone	2.918	1034833	∞	53.5	13313.36	44821	900.5809 ng/ml
O-desmethyl-tramadol	3.377	7933193	395214.42	6.5	∞	423526	1026.3124 ng/ml
Oxazepam	5.753	910697	80293.59	71.9	17414.32	70261	842.9869 ng/ml
Oxycodone	2.836	3185119	18806.60	31.3	3284.96	159148	929.5968 ng/ml
Oxymorphone	1.403	1246726	∞	47.3	3307.29	49777	944.0486 ng/ml
* Phentermine	3.790	768355	13155.54	3.9	1480.55	138958	776.4902 ng/ml
Promethazine	5.536	4708544	3626.03	29.9	34116.02	200807	1013.9631 ng/ml
Quetiapine	5.546	2618111	∞	59.4	∞	44363	829.7915 ng/ml
Sertraline	5.772	685116	55943.75	90.4	89146.70	28015	1027.0781 ng/ml
Temazepam	5.826	4666336	164668.92	29.2	9863.43	221204	1005.4955 ng/ml
Tramadol	4.245	6727029	431980.47	3.5	12739.72	433257	855.3323 ng/ml
Trazodone	5.141	4386843	623688.24	77.8	2795199.82	216412	884.8678 ng/ml
Venlafaxine	5.041	6993560	18002.73	37.0	15916.03	344409	1073.0314 ng/ml
Zolpidem	4.906	7796827	∞	30.5	396501.33	503985	843.7029 ng/ml

*OCR

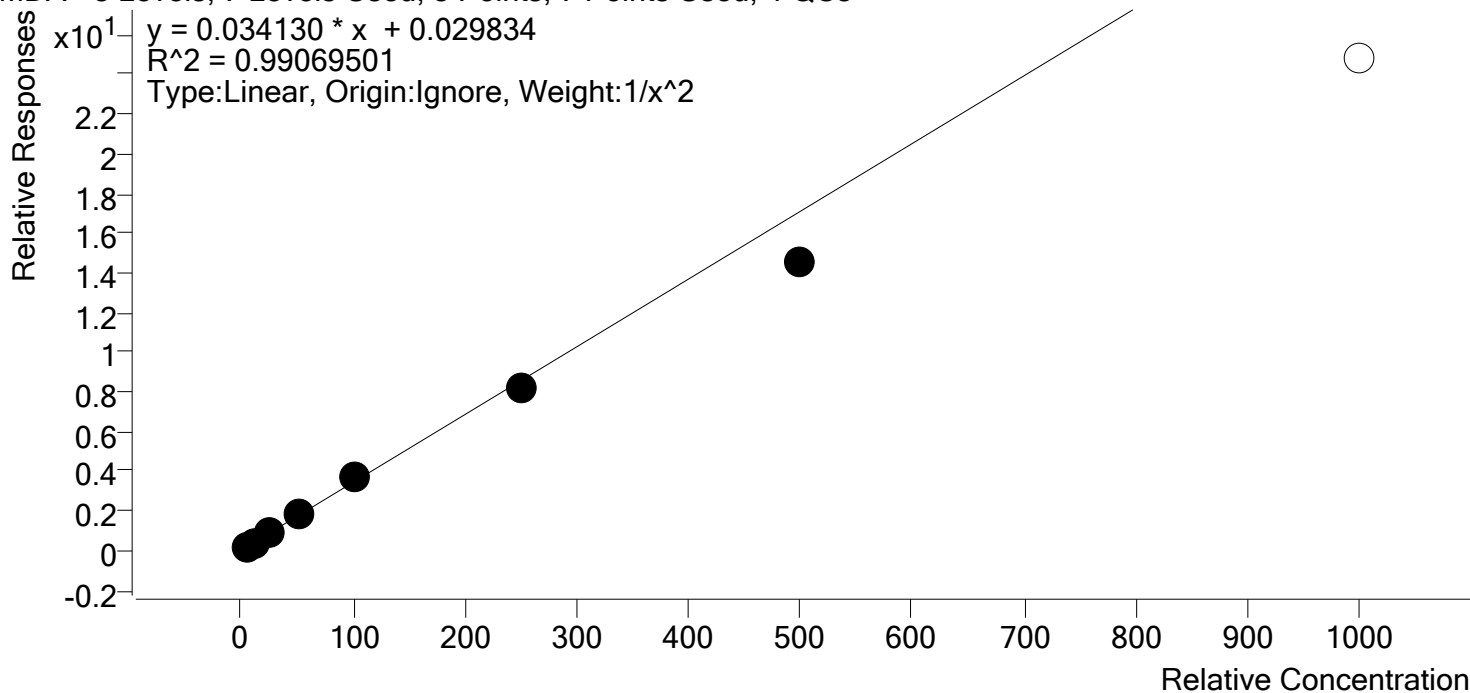
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Last Cal. Update 11/9/2020 11:43 AM
Analyst Name ISP\datastor
Analyte MDA **Internal Standard** MDA-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.9
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.1
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.4
p1 Cal 4-50ng	4	✓	50.0	54.6	109.2
p1 Cal 5-100ng	5	✓	100.0	105.2	105.2
p1 Cal 6-250ng	6	✓	250.0	240.9	96.4
p1 Cal 7-500ng	7	✓	500.0	423.6	84.7
p1 Cal 8-1000ng	8	✗	1000.0	725.5	72.6

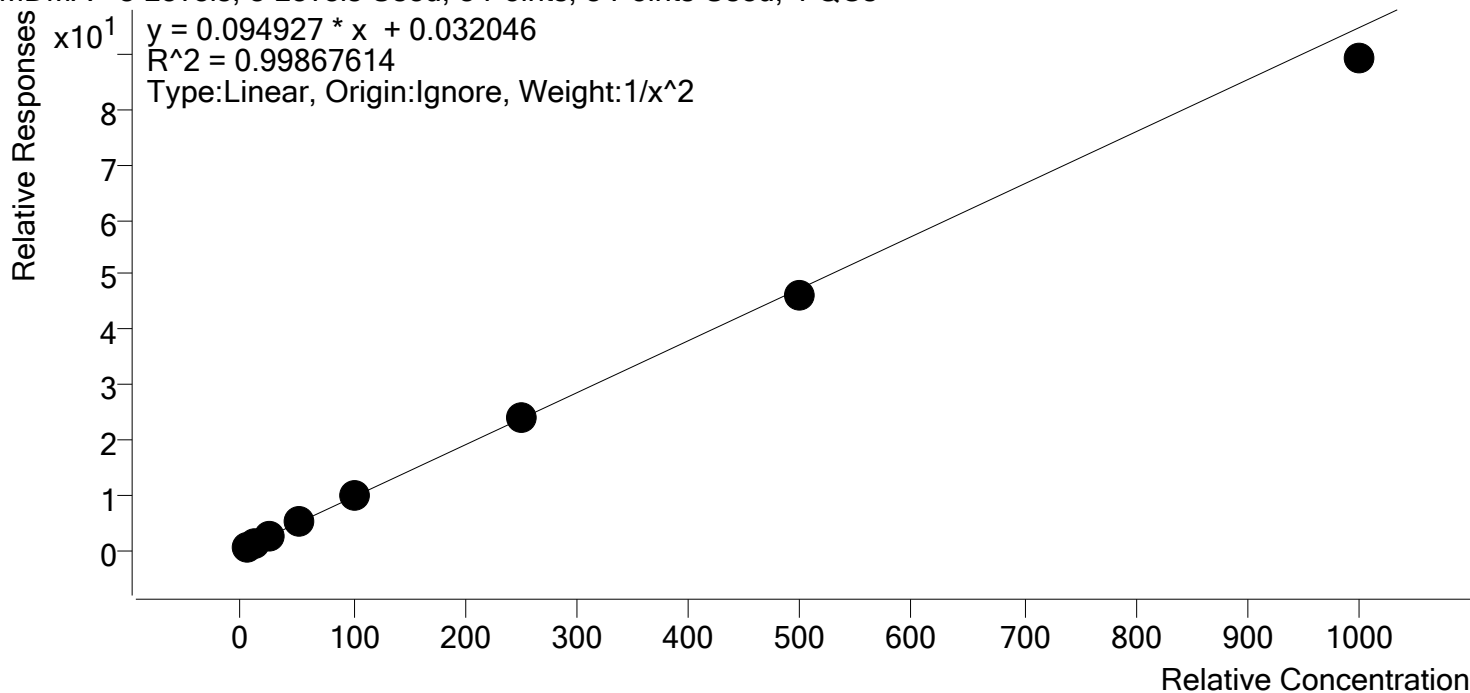
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Last Cal. Update 11/9/2020 11:43 AM
Analyst Name ISP\datastor
Analyte MDMA **Internal Standard** MDMA-D6

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



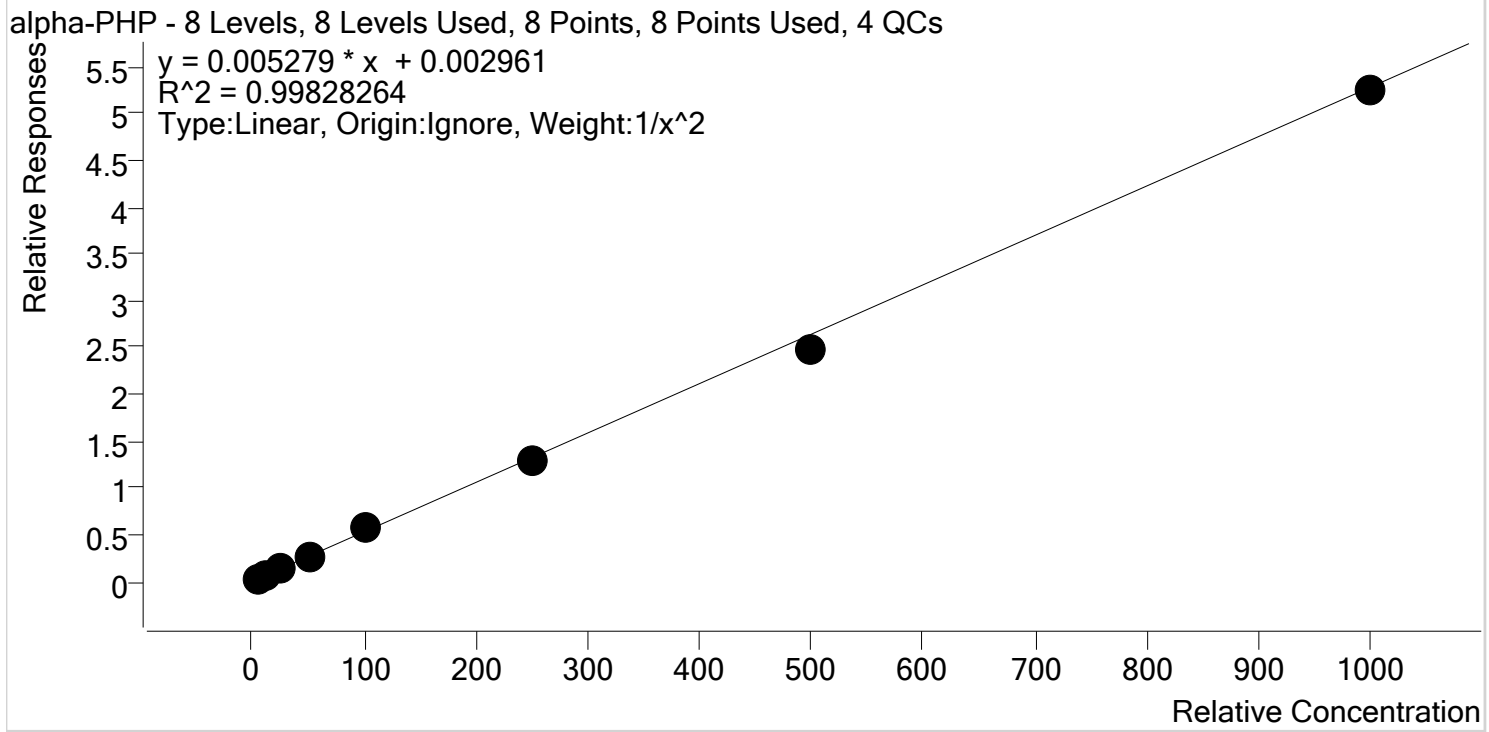
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.3
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.0
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.9
p1 Cal 4-50ng	4	✓	50.0	52.2	104.4
p1 Cal 5-100ng	5	✓	100.0	102.3	102.3
p1 Cal 6-250ng	6	✓	250.0	254.0	101.6
p1 Cal 7-500ng	7	✓	500.0	487.5	97.5
p1 Cal 8-1000ng	8	✓	1000.0	940.6	94.1

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Last Cal. Update 11/9/2020 11:43 AM
Analyst Name ISP\datastor
Analyte alpha-PHP **Internal Standard** alpha-PVP-d8



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	10.0	100.4
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.6
p1 Cal 4-50ng	4	✓	50.0	51.7	103.5
p1 Cal 5-100ng	5	✓	100.0	105.5	105.5
p1 Cal 6-250ng	6	✓	250.0	241.2	96.5
p1 Cal 7-500ng	7	✓	500.0	471.6	94.3
p1 Cal 8-1000ng	8	✓	1000.0	993.3	99.3

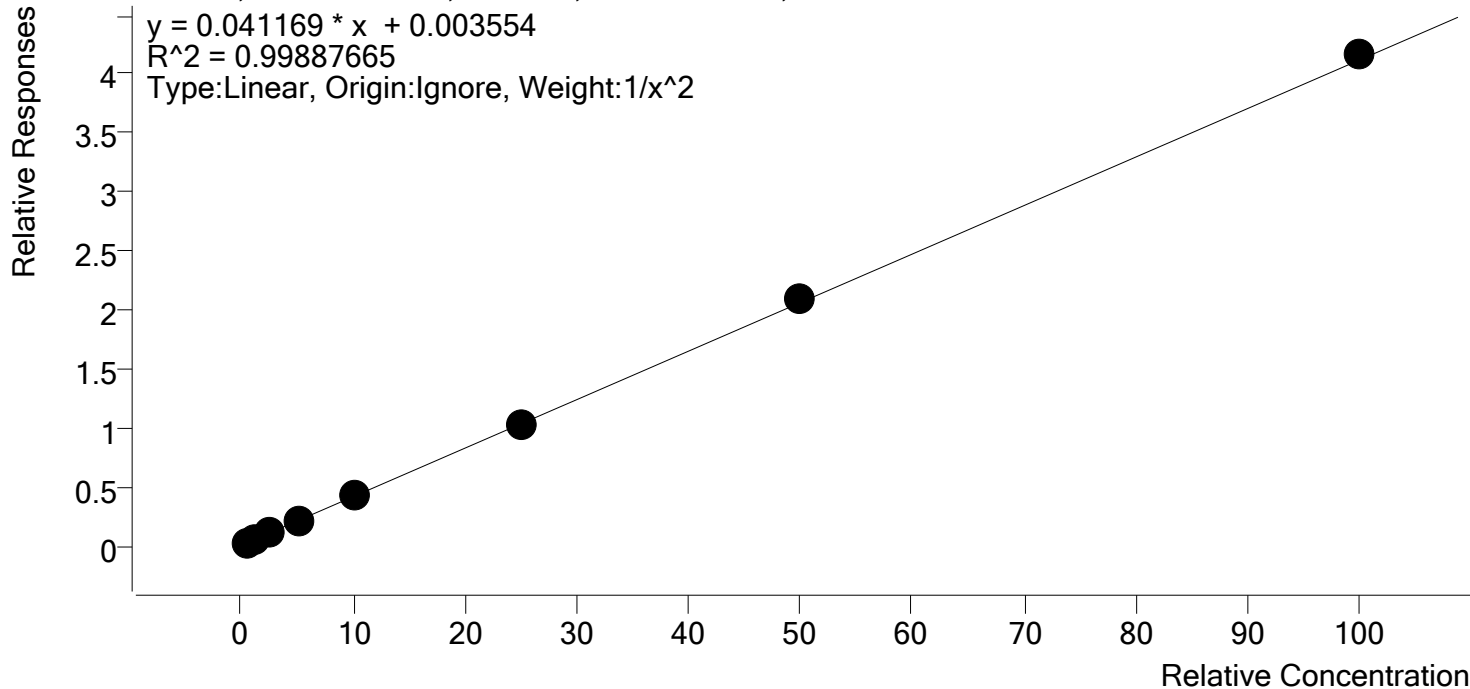
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Last Cal. Update 11/9/2020 11:43 AM
Analyst Name ISP\datastor
Analyte 6-MAM **Internal Standard** 6-MAM-D6

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



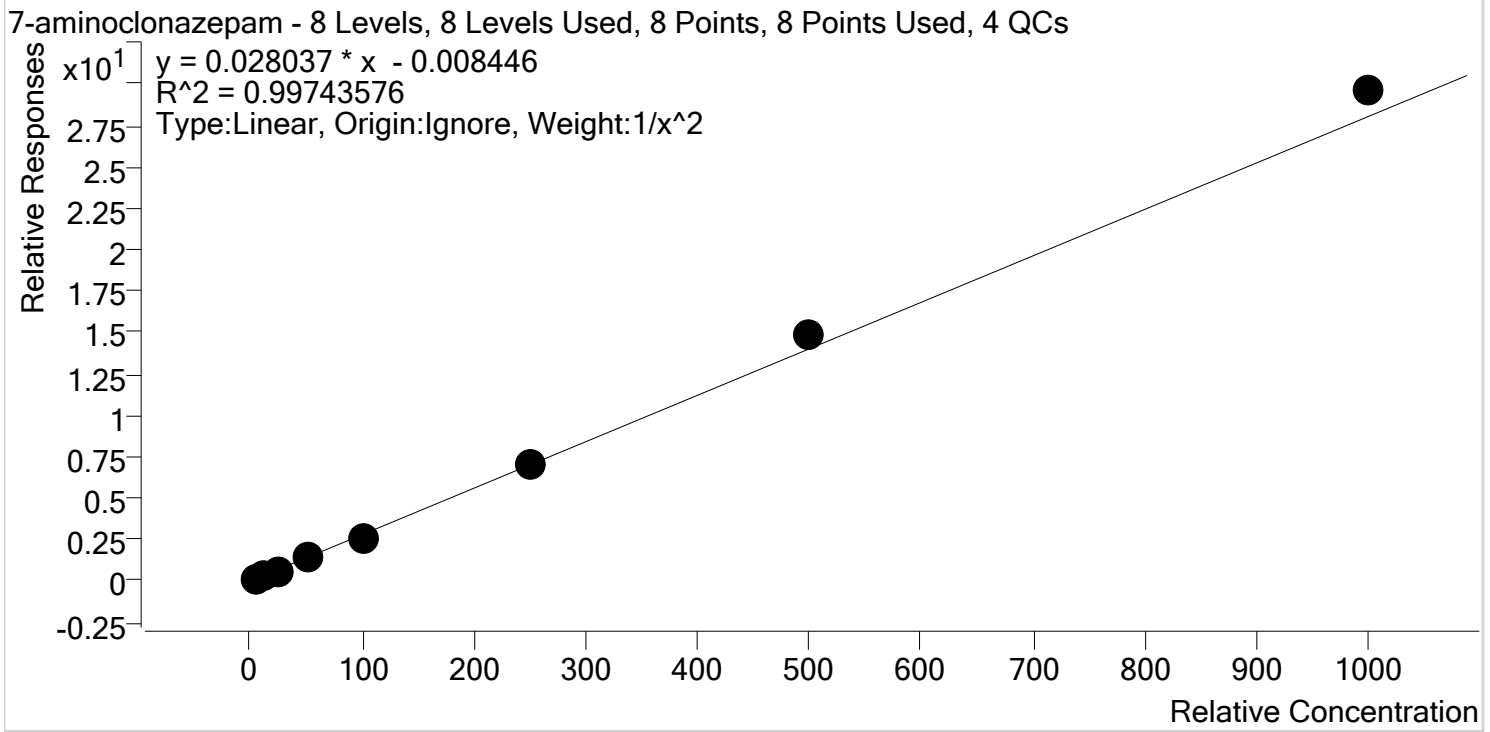
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	100.6
p1 Cal 2- 10ng	2	✓	1.0	1.0	101.0
p1 Cal 3 -25ng	3	✓	2.5	2.3	93.2
p1 Cal 4-50ng	4	✓	5.0	5.1	103.0
p1 Cal 5-100ng	5	✓	10.0	10.0	100.0
p1 Cal 6-250ng	6	✓	25.0	25.1	100.2
p1 Cal 7-500ng	7	✓	50.0	50.5	101.0
p1 Cal 8-1000ng	8	✓	100.0	101.1	101.1

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Last Cal. Update 11/9/2020 11:43 AM
Analyst Name ISP\datastor
Analyte 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4

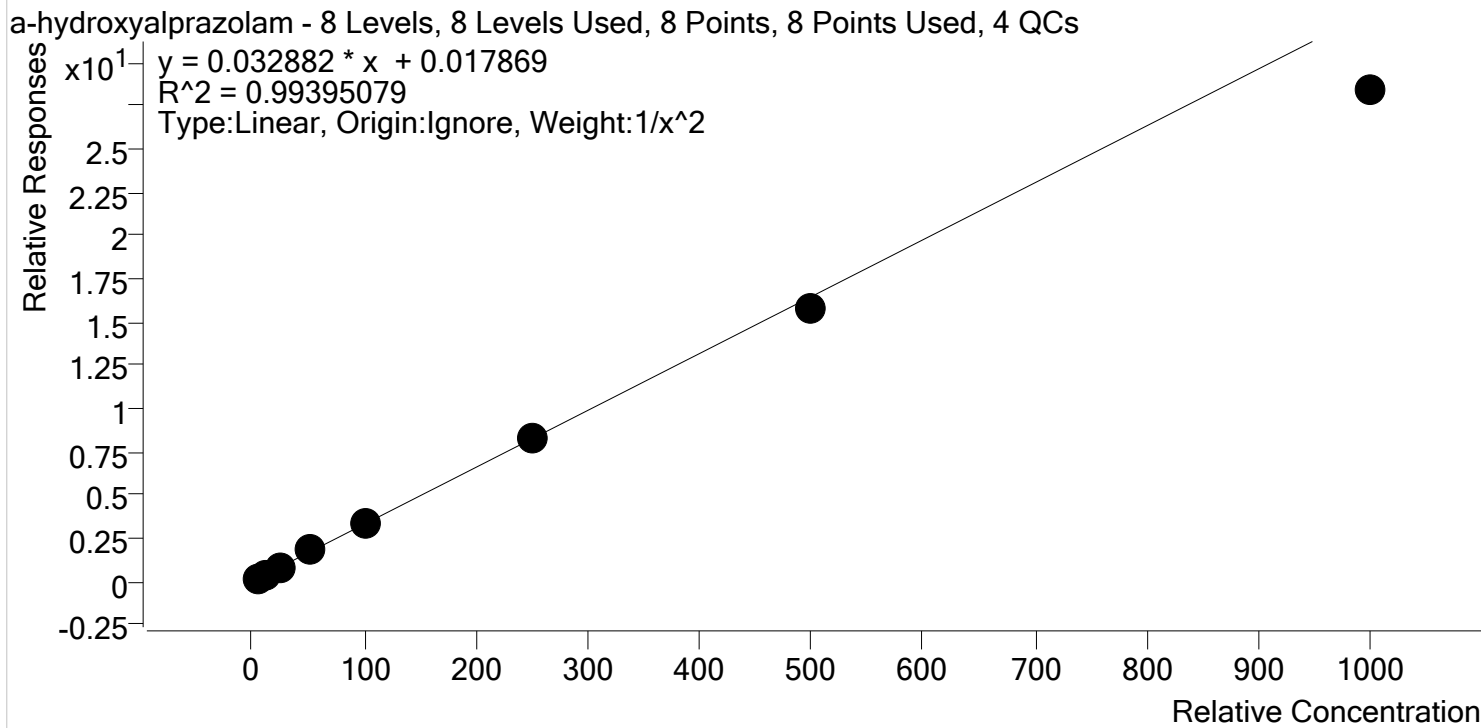


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.9
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.4
p1 Cal 3 -25ng	3	✓	25.0	23.5	94.0
p1 Cal 4-50ng	4	✓	50.0	48.7	97.4
p1 Cal 5-100ng	5	✓	100.0	95.4	95.4
p1 Cal 6-250ng	6	✓	250.0	250.7	100.3
p1 Cal 7-500ng	7	✓	500.0	530.1	106.0
p1 Cal 8-1000ng	8	✓	1000.0	1055.9	105.6



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Last Cal. Update 11/9/2020 11:43 AM
Analyst Name ISP\datastor
Analyte a-hydroxyalprazolam **Internal Standard** a-hydroxyalprazolam-D5



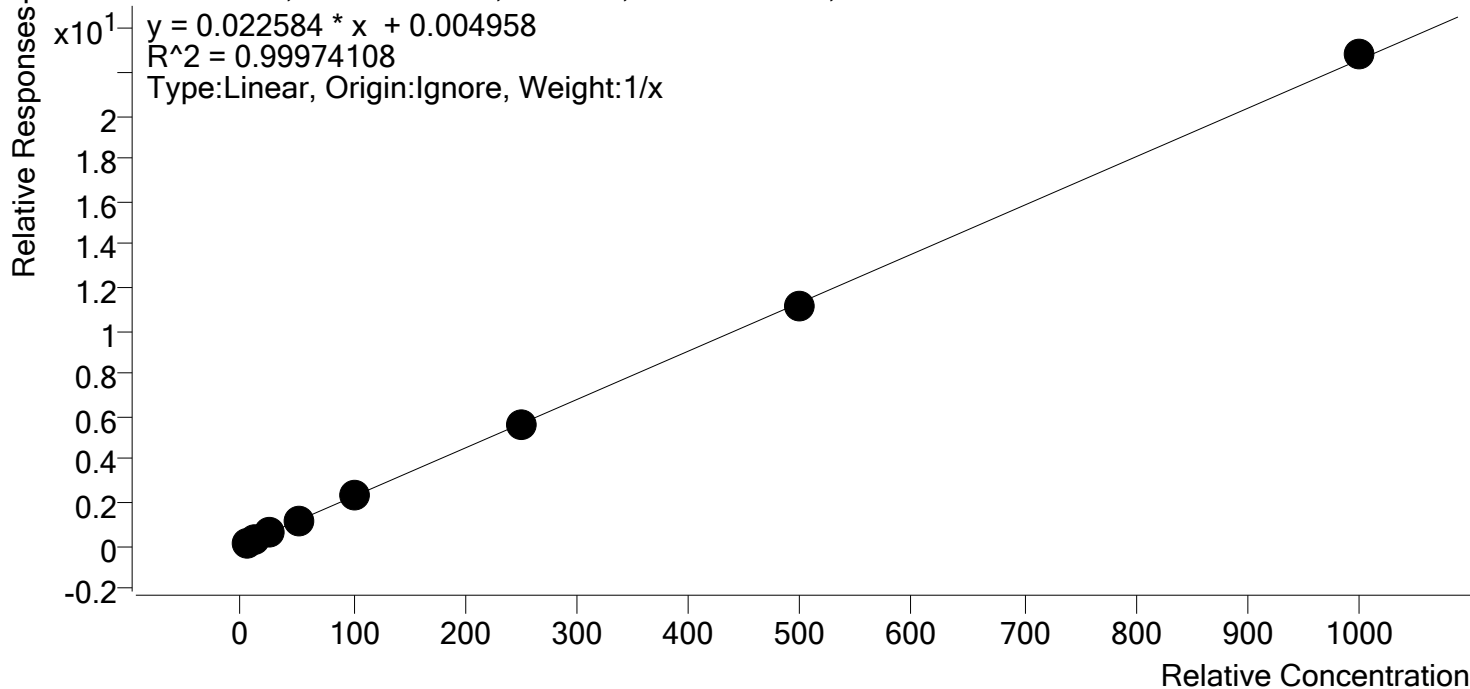
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.3
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.7
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.7
p1 Cal 4-50ng	4	✓	50.0	54.0	108.1
p1 Cal 5-100ng	5	✓	100.0	104.1	104.1
p1 Cal 6-250ng	6	✓	250.0	254.6	101.8
p1 Cal 7-500ng	7	✓	500.0	480.6	96.1
p1 Cal 8-1000ng	8	✓	1000.0	862.6	86.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Last Cal. Update 11/9/2020 11:43 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	100.0
p1 Cal 2- 10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.5
p1 Cal 4-50ng	4	✓	50.0	51.8	103.6
p1 Cal 5-100ng	5	✓	100.0	101.1	101.1
p1 Cal 6-250ng	6	✓	250.0	247.3	98.9
p1 Cal 7-500ng	7	✓	500.0	489.4	97.9
p1 Cal 8-1000ng	8	✓	1000.0	1010.9	101.1

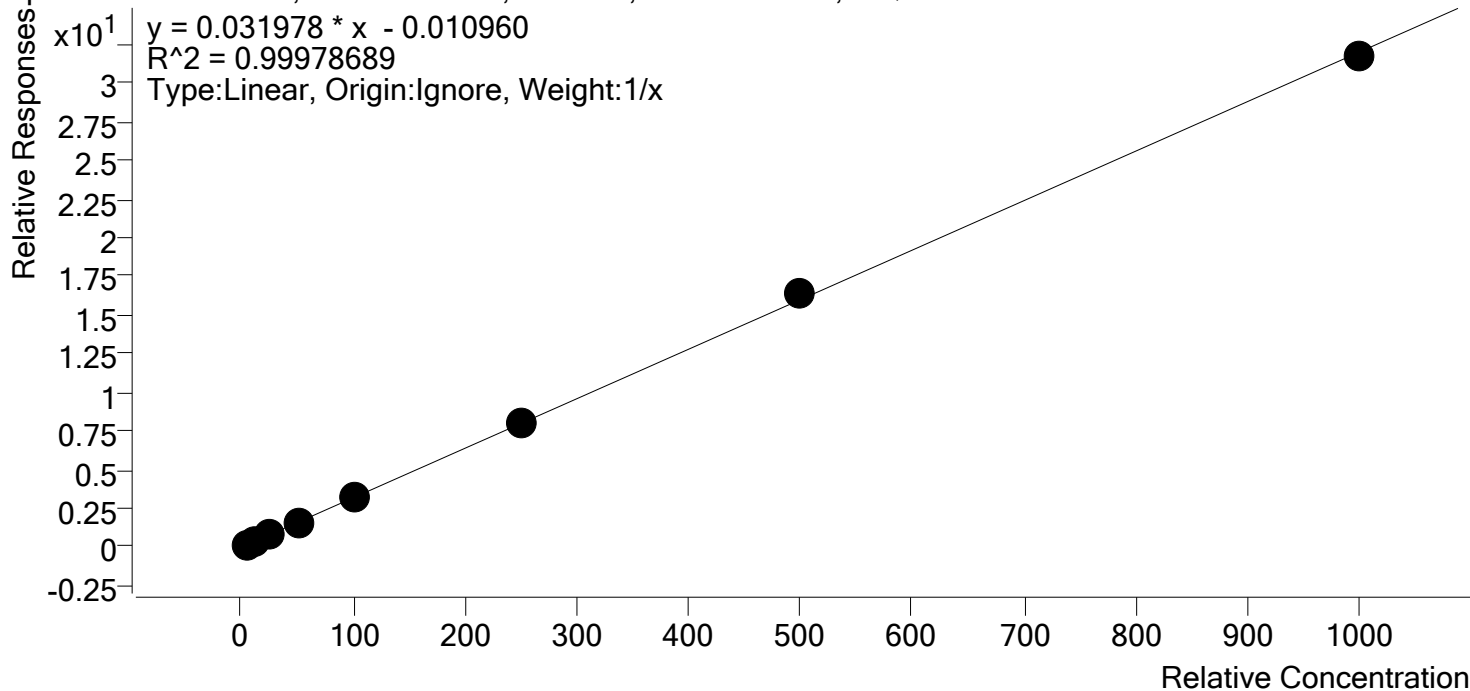
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Last Cal. Update 11/9/2020 11:43 AM
Analyst Name ISP\datastor
Analyte Alprazolam **Internal Standard** Alprazolam-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.8
p1 Cal 2- 10ng	2	✓	10.0	9.8	97.9
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.3
p1 Cal 4-50ng	4	✓	50.0	49.4	98.9
p1 Cal 5-100ng	5	✓	100.0	101.6	101.6
p1 Cal 6-250ng	6	✓	250.0	248.7	99.5
p1 Cal 7-500ng	7	✓	500.0	510.2	102.0
p1 Cal 8-1000ng	8	✓	1000.0	991.0	99.1

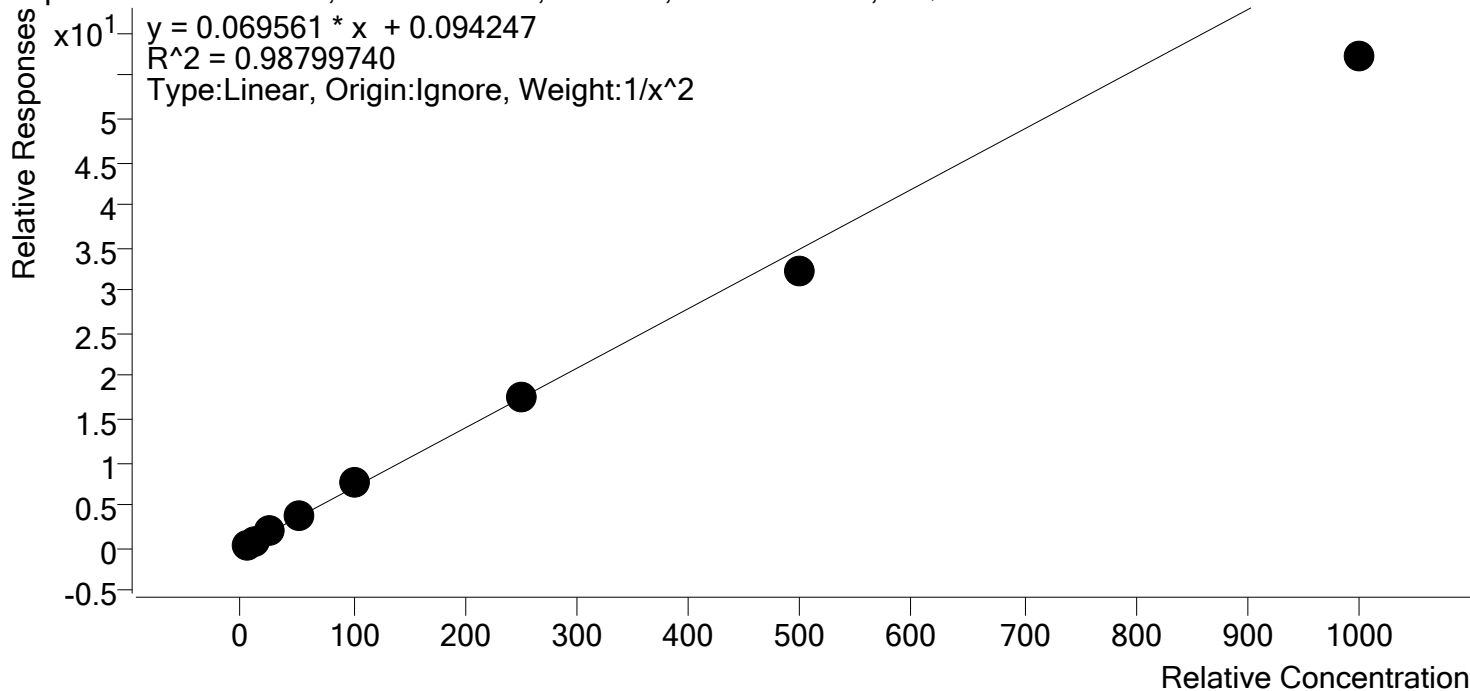
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Last Cal. Update 11/9/2020 11:43 AM
Analyst Name ISP\datastor
Analyte Amphetamine **Internal Standard** Amphetamine-D11

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



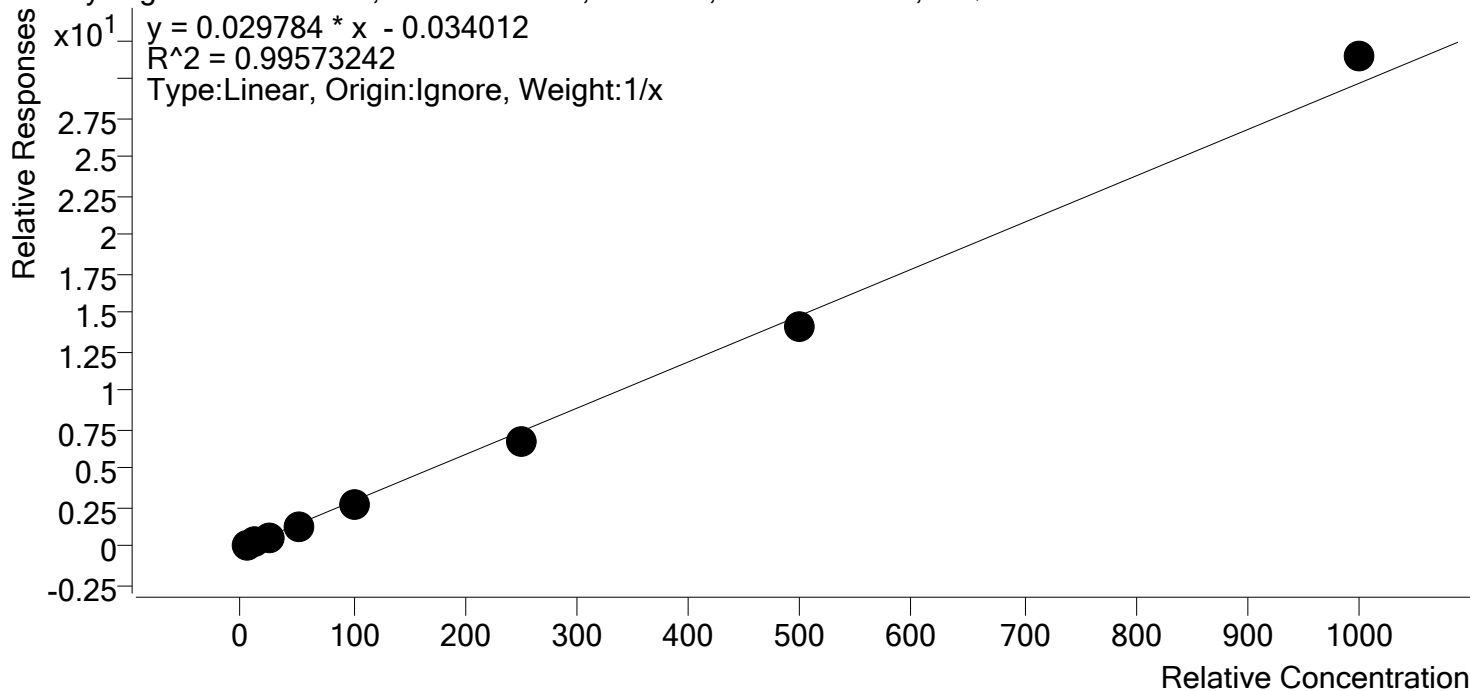
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.1
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.3
p1 Cal 3 -25ng	3	✓	25.0	26.7	106.9
p1 Cal 4-50ng	4	✓	50.0	55.8	111.6
p1 Cal 5-100ng	5	✓	100.0	107.8	107.8
p1 Cal 6-250ng	6	✓	250.0	252.0	100.8
p1 Cal 7-500ng	7	✓	500.0	461.9	92.4
p1 Cal 8-1000ng	8	✓	1000.0	821.6	82.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Last Cal. Update 11/9/2020 11:43 AM
Analyst Name ISP\datastor
Analyte Benzoylecgonine **Internal Standard** Benzoylecgonine-d8

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	6.1	121.9
p1 Cal 2- 10ng	2	✓	10.0	10.4	104.0
p1 Cal 3 -25ng	3	✓	25.0	24.0	96.0
p1 Cal 4-50ng	4	✓	50.0	47.6	95.3
p1 Cal 5-100ng	5	✓	100.0	90.3	90.3
p1 Cal 6-250ng	6	✓	250.0	229.7	91.9
p1 Cal 7-500ng	7	✓	500.0	474.5	94.9
p1 Cal 8-1000ng	8	✓	1000.0	1057.4	105.7

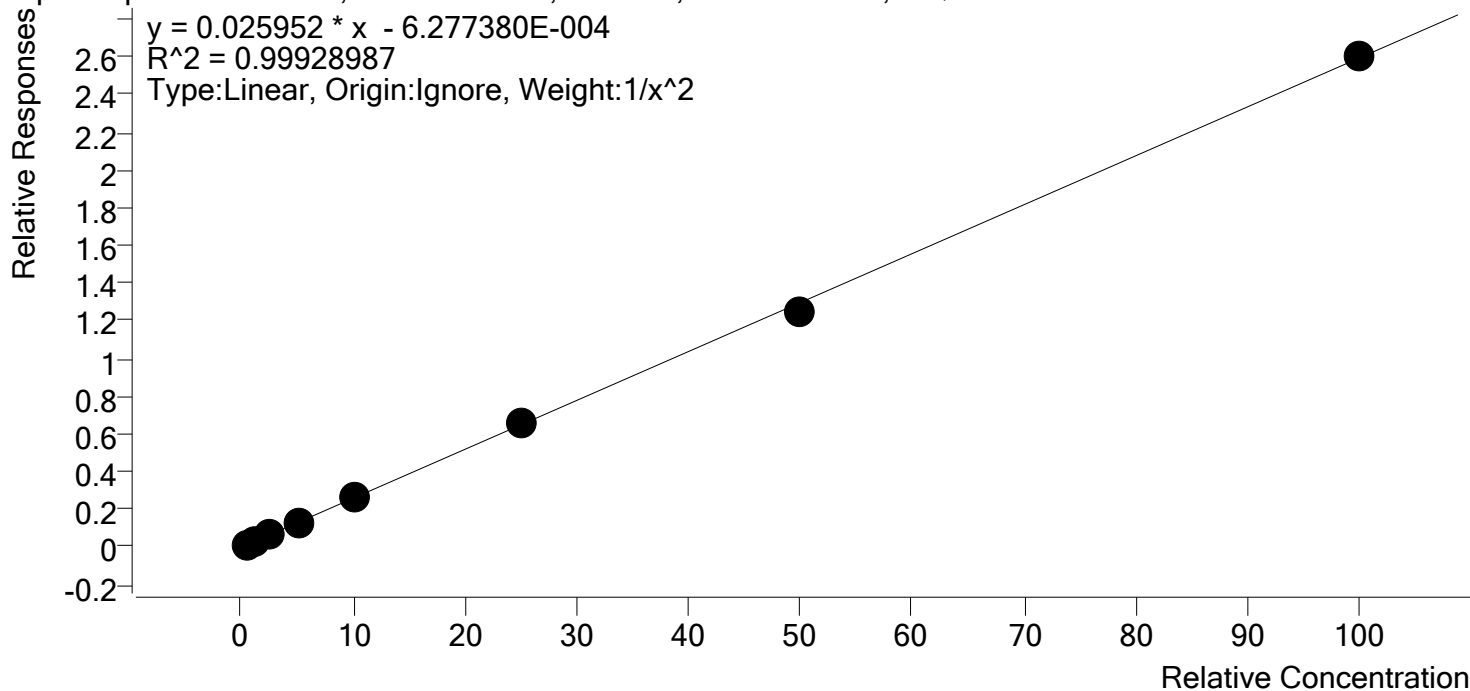
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Last Cal. Update 11/9/2020 11:43 AM
Analyst Name ISP\datastor
Analyte Buprenorphine **Internal Standard** Buprenorphine-D4

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	99.4
p1 Cal 2- 10ng	2	✓	1.0	1.0	102.0
p1 Cal 3 -25ng	3	✓	2.5	2.4	96.8
p1 Cal 4-50ng	4	✓	5.0	5.1	101.6
p1 Cal 5-100ng	5	✓	10.0	10.1	100.7
p1 Cal 6-250ng	6	✓	25.0	25.7	102.7
p1 Cal 7-500ng	7	✓	50.0	48.2	96.5
p1 Cal 8-1000ng	8	✓	100.0	100.3	100.3

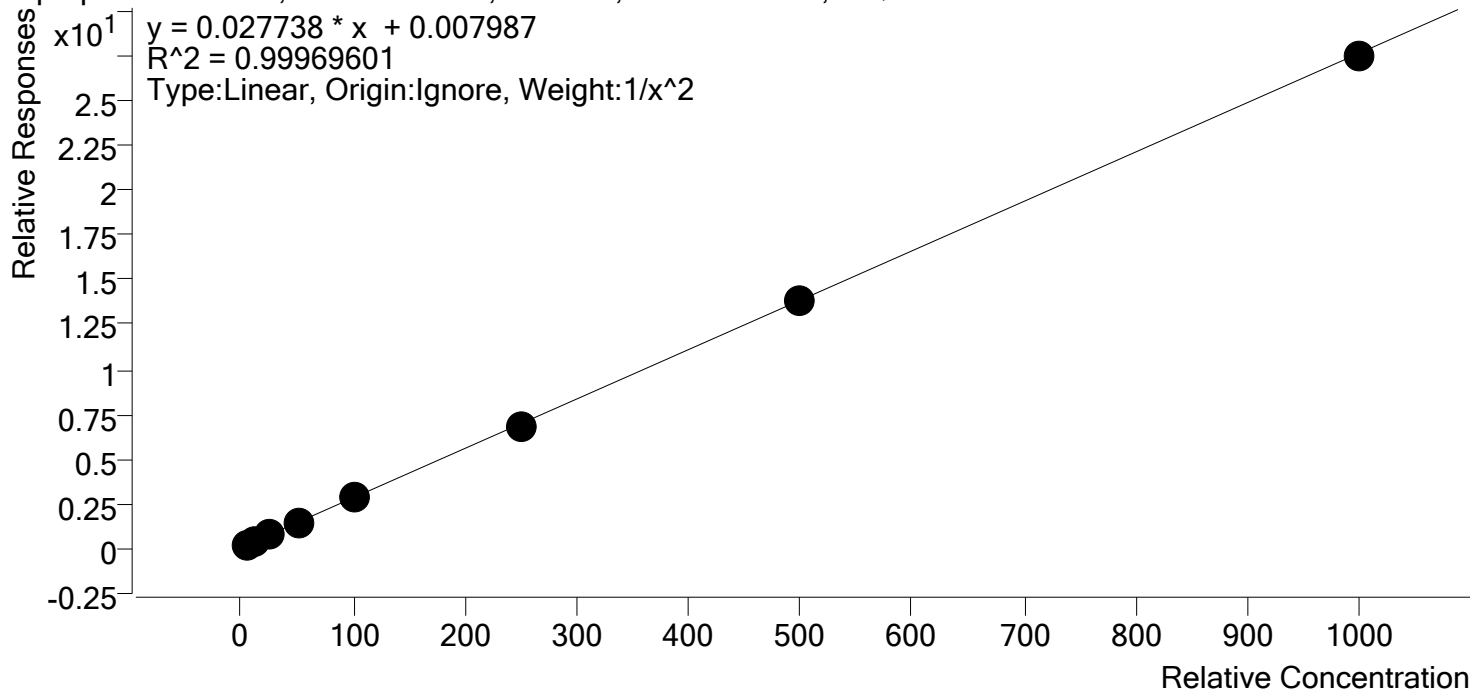
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Last Cal. Update 11/9/2020 11:43 AM
Analyst Name ISP\datastor
Analyte Bupropion **Internal Standard** Bupropion-D9

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.9
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.6
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.0
p1 Cal 4-50ng	4	✓	50.0	51.7	103.5
p1 Cal 5-100ng	5	✓	100.0	100.2	100.2
p1 Cal 6-250ng	6	✓	250.0	246.1	98.4
p1 Cal 7-500ng	7	✓	500.0	495.7	99.1
p1 Cal 8-1000ng	8	✓	1000.0	993.2	99.3

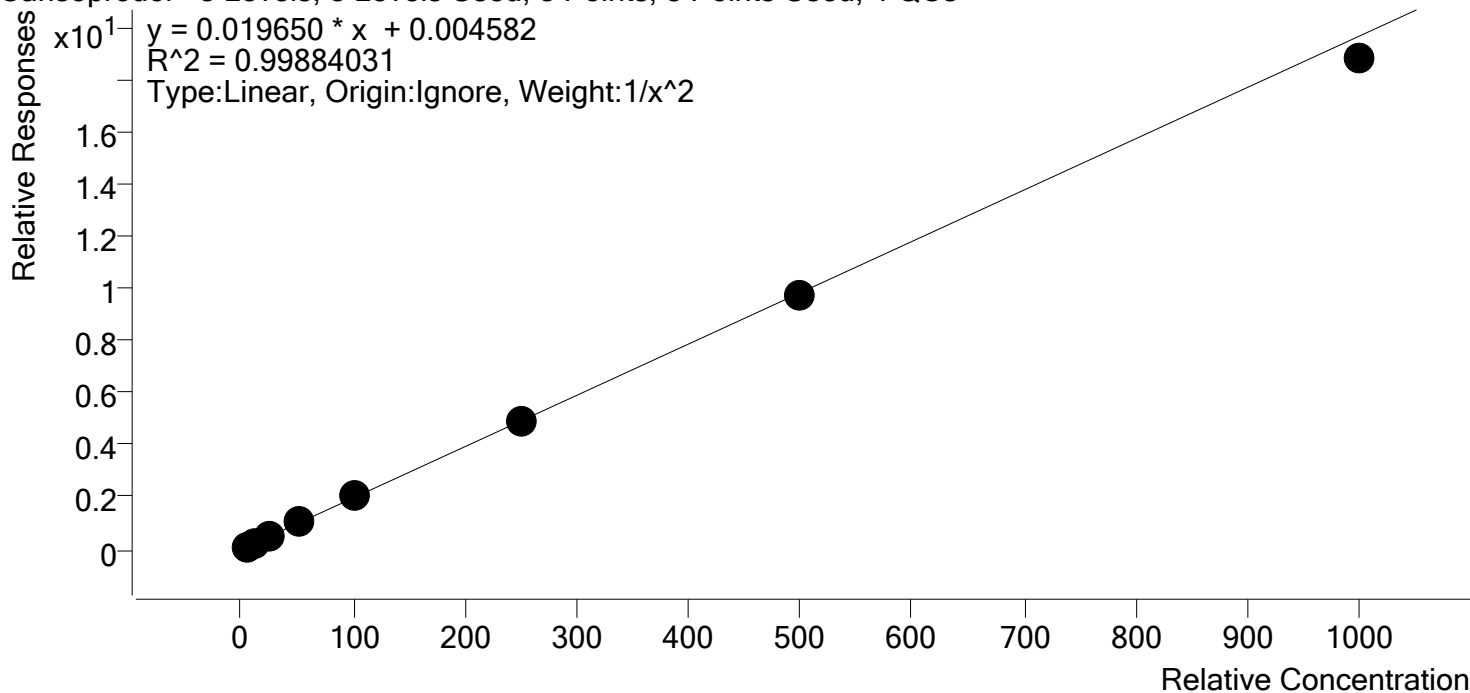
5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Last Cal. Update 11/9/2020 11:43 AM
Analyst Name ISP\datastor
Analyte Carisoprodol **Internal Standard** Carisoprodol-D7

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



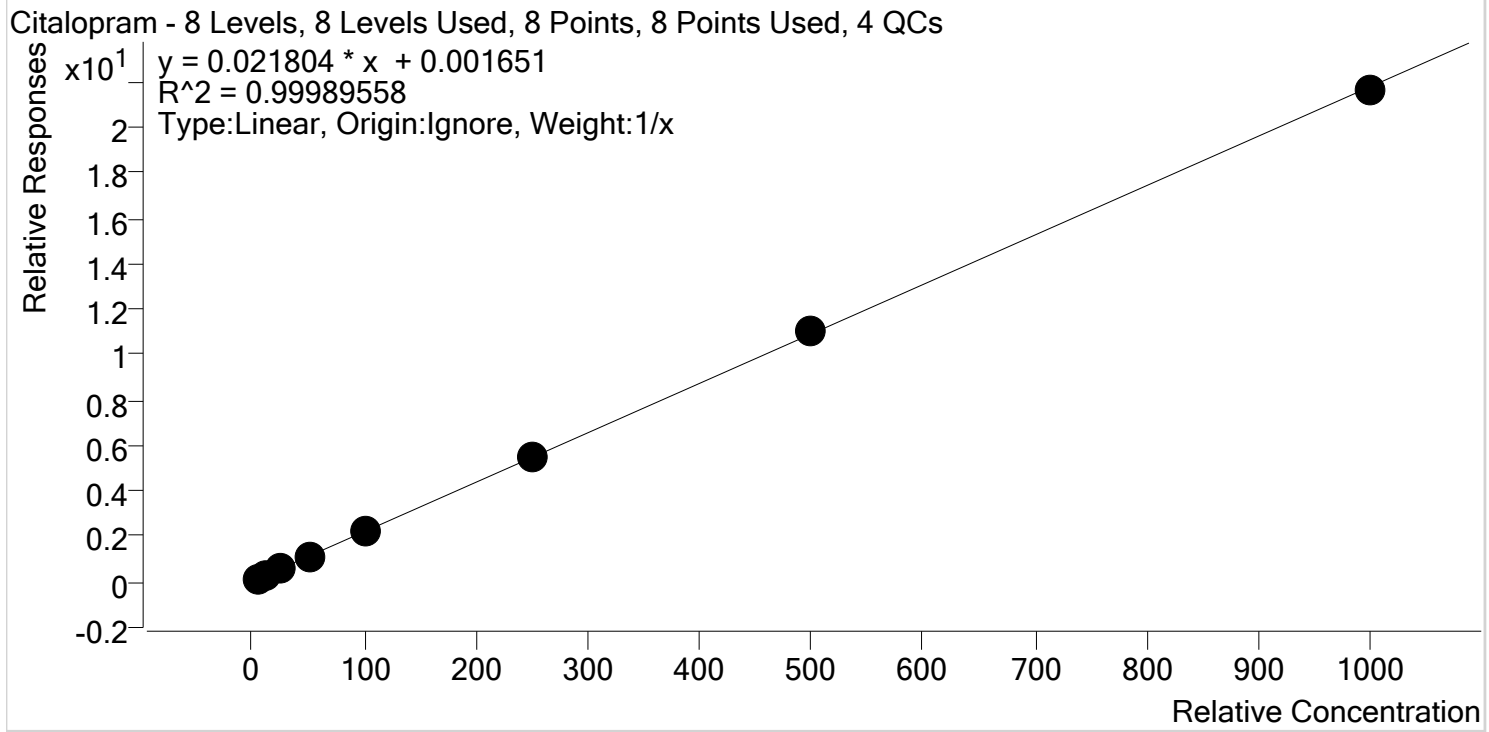
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.7
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.3
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.2
p1 Cal 4-50ng	4	✓	50.0	52.9	105.8
p1 Cal 5-100ng	5	✓	100.0	102.0	102.0
p1 Cal 6-250ng	6	✓	250.0	247.8	99.1
p1 Cal 7-500ng	7	✓	500.0	491.5	98.3
p1 Cal 8-1000ng	8	✓	1000.0	956.3	95.6

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Last Cal. Update 11/9/2020 11:43 AM
Analyst Name ISP\datastor
Analyte Citalopram **Internal Standard** Citalopram-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.5
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.2
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.2
p1 Cal 4-50ng	4	✓	50.0	50.0	100.0
p1 Cal 5-100ng	5	✓	100.0	100.6	100.6
p1 Cal 6-250ng	6	✓	250.0	249.5	99.8
p1 Cal 7-500ng	7	✓	500.0	507.7	101.5
p1 Cal 8-1000ng	8	✓	1000.0	992.2	99.2

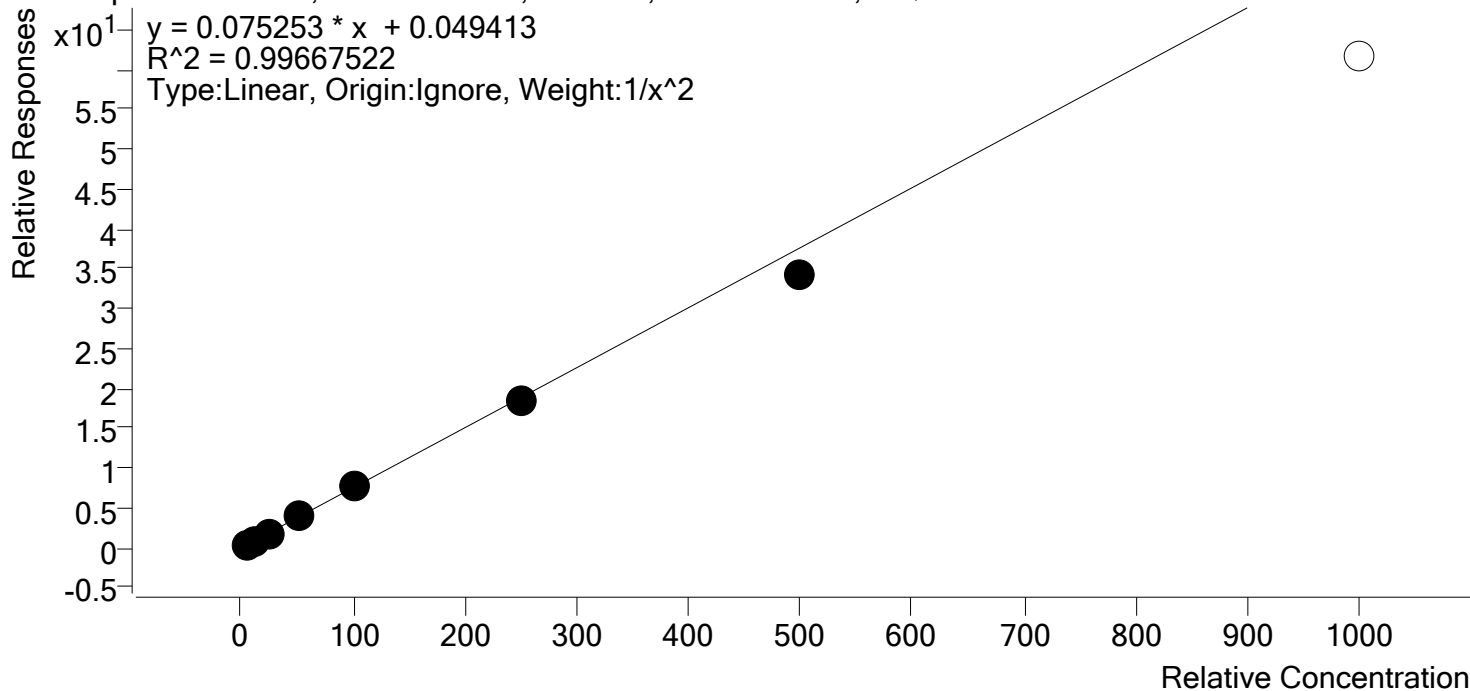
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Last Cal. Update 11/9/2020 11:43 AM
Analyst Name ISP\datastor
Analyte Clonazepam **Internal Standard** Clonazepam-D4

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



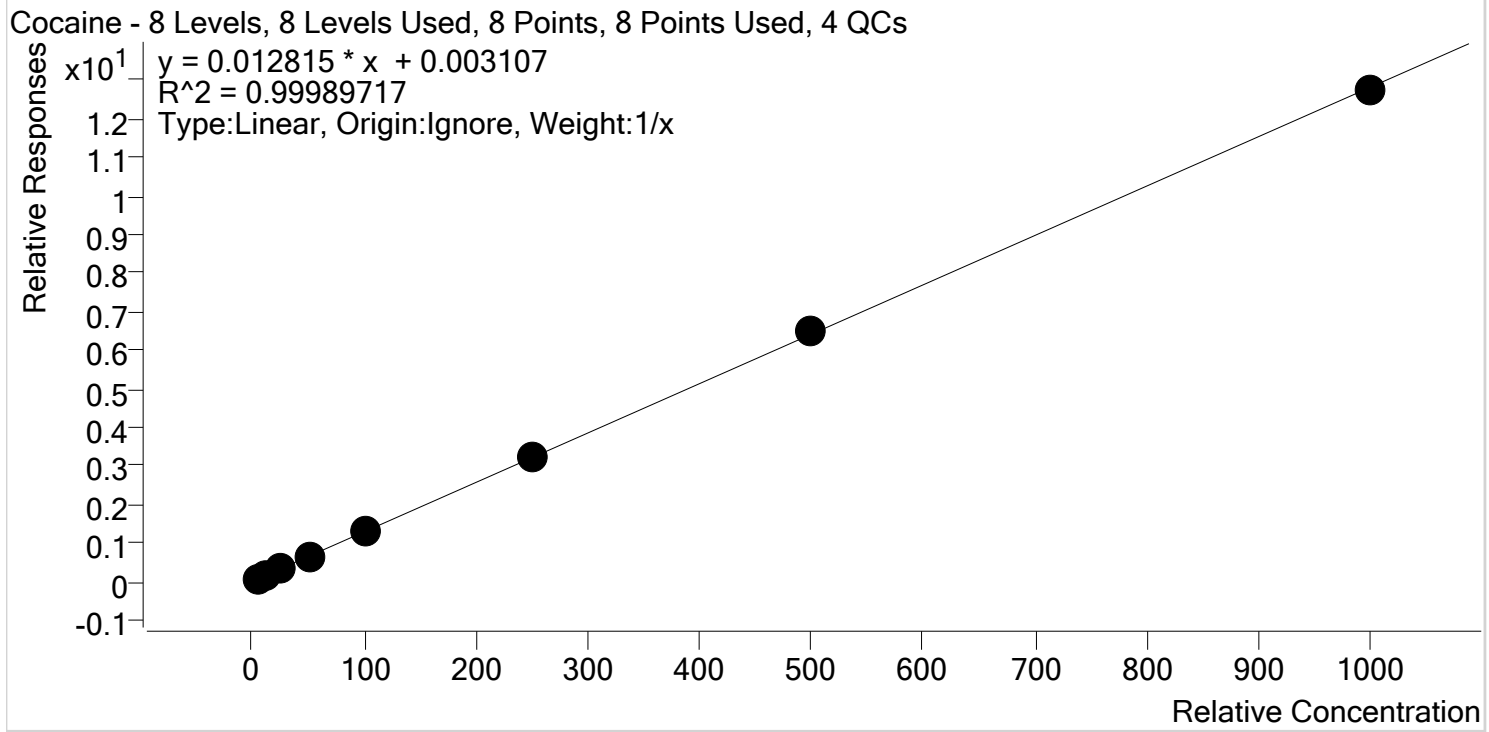
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.5
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.0
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.5
p1 Cal 4-50ng	4	✓	50.0	53.5	107.1
p1 Cal 5-100ng	5	✓	100.0	102.0	102.0
p1 Cal 6-250ng	6	✓	250.0	247.4	99.0
p1 Cal 7-500ng	7	✓	500.0	454.7	90.9
p1 Cal 8-1000ng	8	✗	1000.0	818.5	81.9

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Last Cal. Update 11/9/2020 11:43 AM
Analyst Name ISP\datastor
Analyte Cocaine **Internal Standard** Cocaine-d3



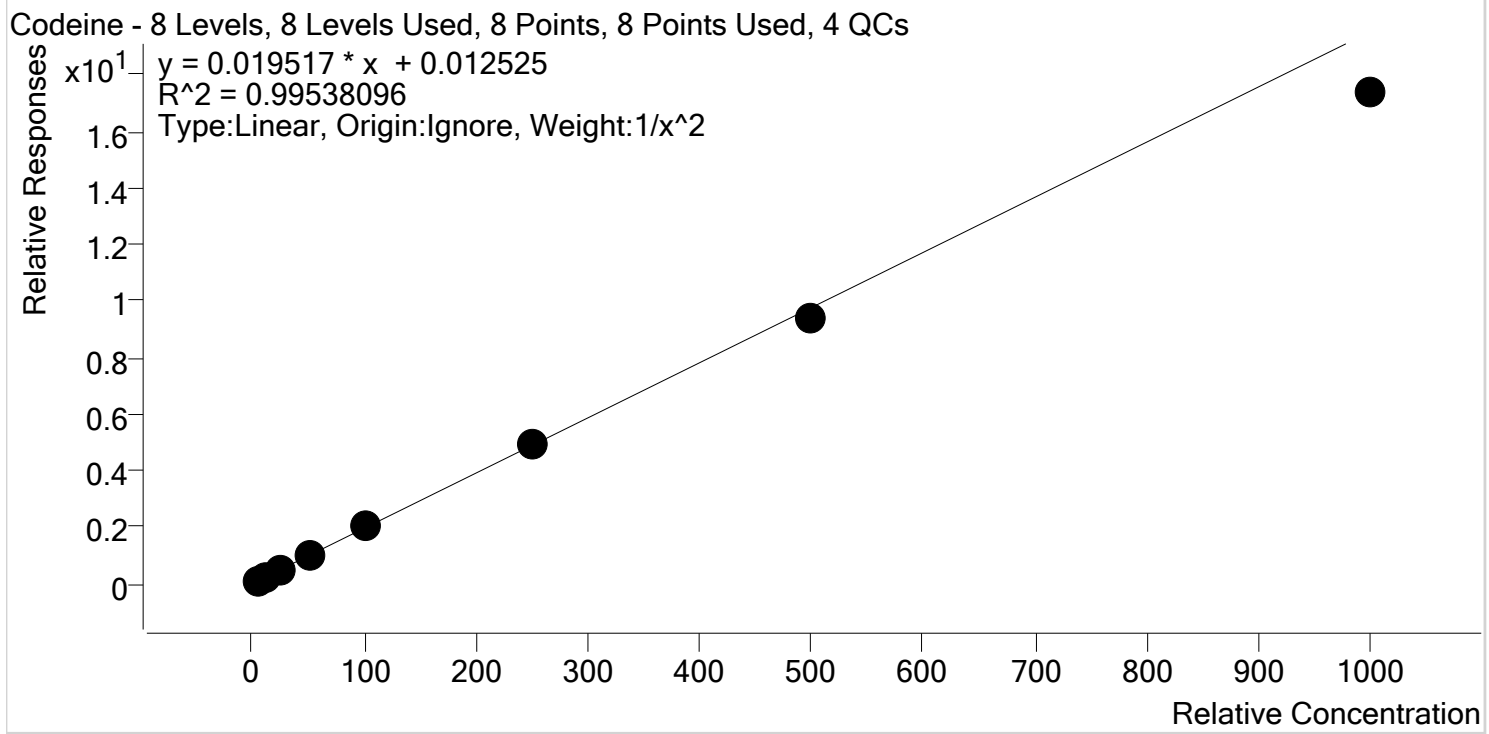
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.2
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.6
p1 Cal 4-50ng	4	✓	50.0	51.4	102.9
p1 Cal 5-100ng	5	✓	100.0	100.5	100.5
p1 Cal 6-250ng	6	✓	250.0	251.3	100.5
p1 Cal 7-500ng	7	✓	500.0	504.5	100.9
p1 Cal 8-1000ng	8	✓	1000.0	993.4	99.3

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Last Cal. Update 11/9/2020 11:43 AM
Analyst Name ISP\datastor
Analyte Codeine **Internal Standard** Codeine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.9
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.8
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.5
p1 Cal 4-50ng	4	✓	50.0	53.9	107.8
p1 Cal 5-100ng	5	✓	100.0	105.2	105.2
p1 Cal 6-250ng	6	✓	250.0	249.7	99.9
p1 Cal 7-500ng	7	✓	500.0	479.0	95.8
p1 Cal 8-1000ng	8	✓	1000.0	889.8	89.0

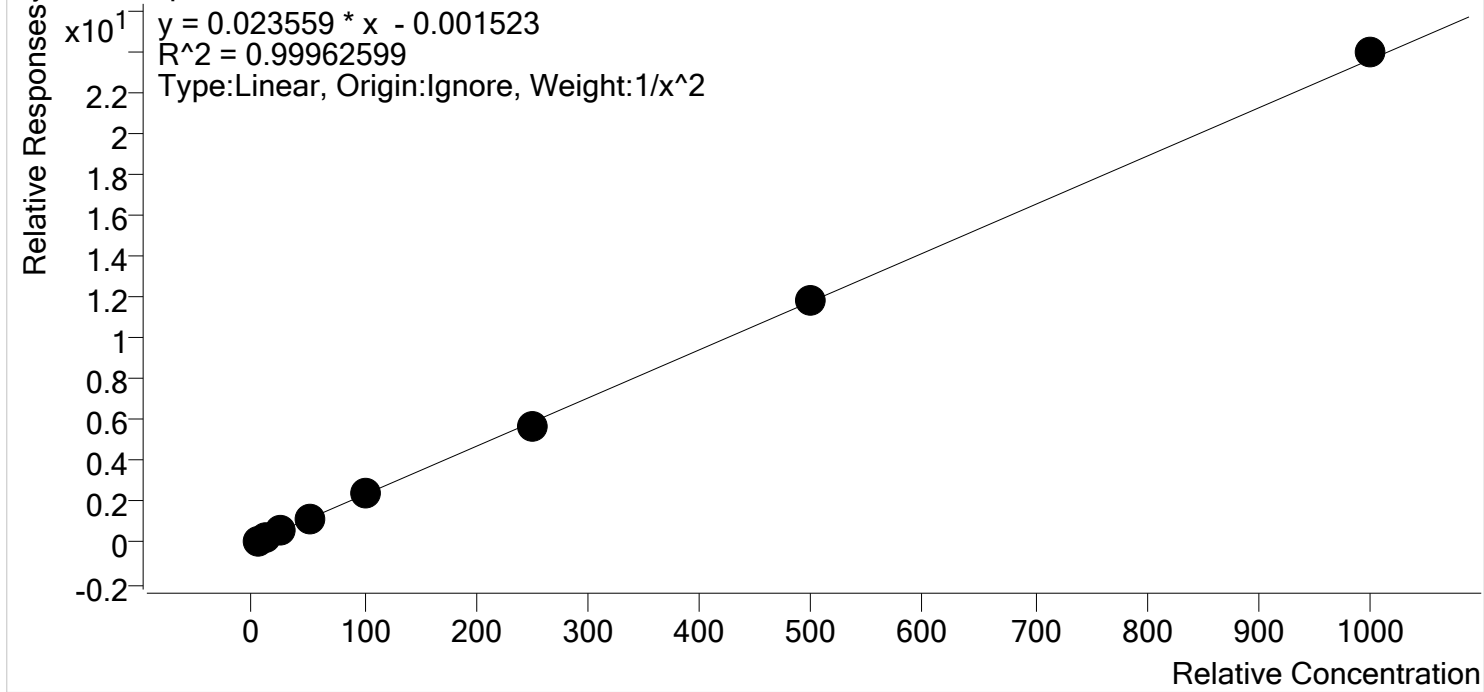
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Last Cal. Update 11/9/2020 11:43 AM
Analyst Name ISP\datastor
Analyte Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

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

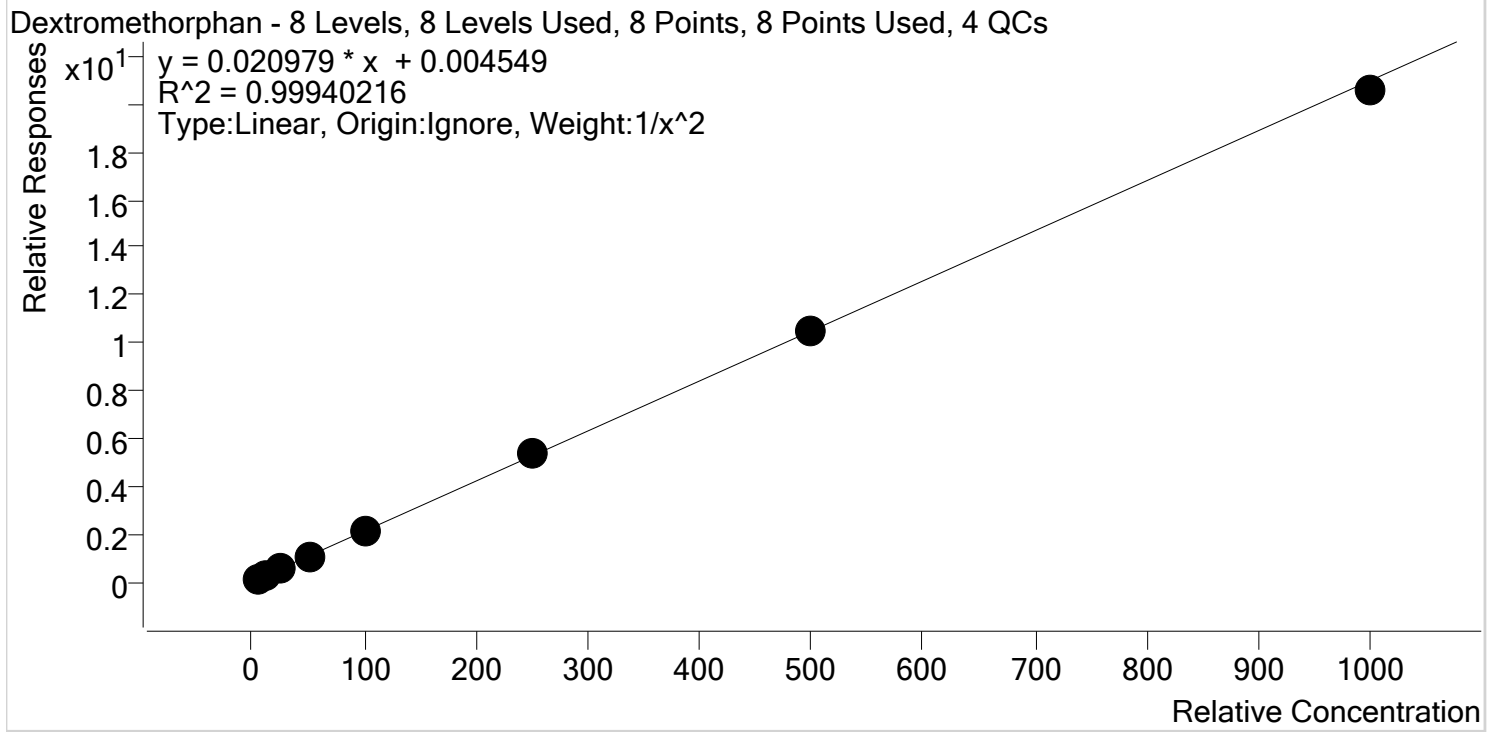


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.7
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.3
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.6
p1 Cal 4-50ng	4	✓	50.0	50.1	100.1
p1 Cal 5-100ng	5	✓	100.0	102.2	102.2
p1 Cal 6-250ng	6	✓	250.0	244.4	97.8
p1 Cal 7-500ng	7	✓	500.0	504.3	100.9
p1 Cal 8-1000ng	8	✓	1000.0	1014.6	101.5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Last Cal. Update 11/9/2020 11:43 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	5.0	99.9
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.7
p1 Cal 4-50ng	4	✓	50.0	51.8	103.5
p1 Cal 5-100ng	5	✓	100.0	98.0	98.0
p1 Cal 6-250ng	6	✓	250.0	255.8	102.3
p1 Cal 7-500ng	7	✓	500.0	499.8	100.0
p1 Cal 8-1000ng	8	✓	1000.0	980.1	98.0

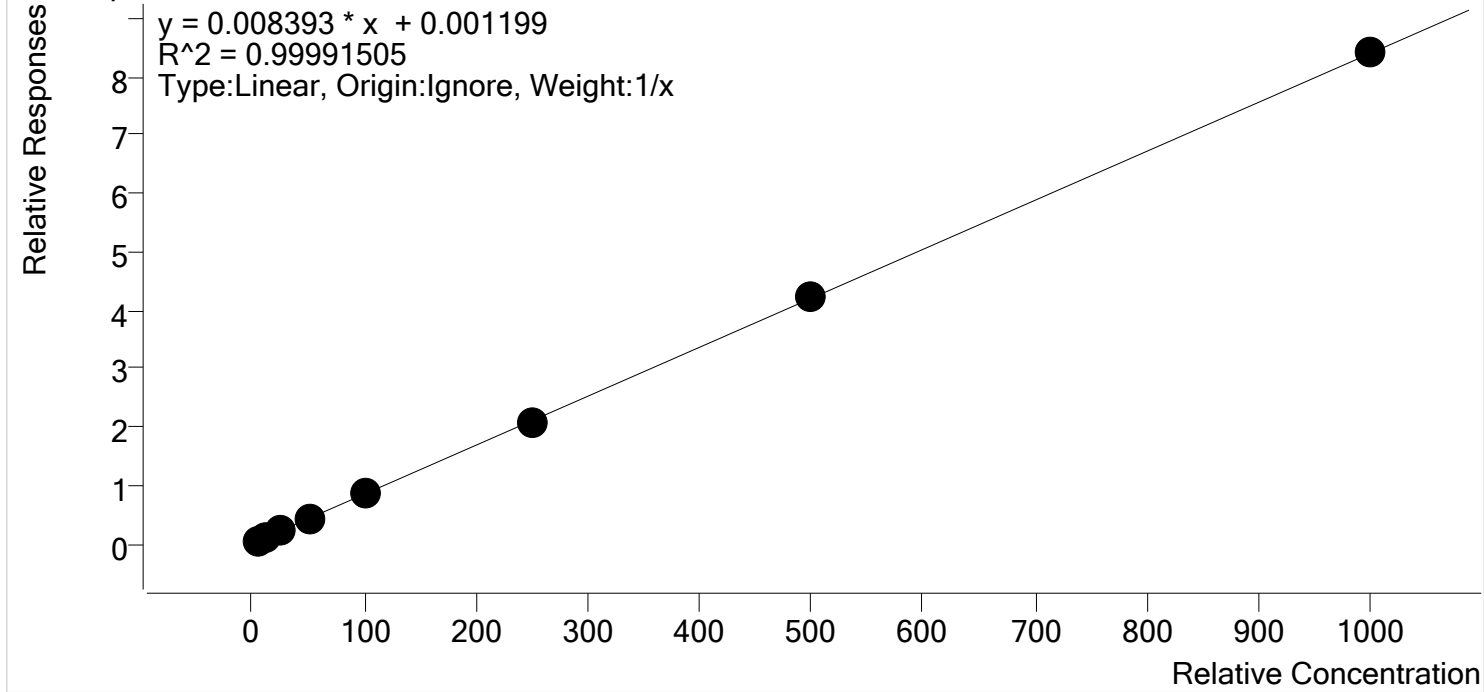
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Last Cal. Update 11/9/2020 11:43 AM
Analyst Name ISP\datastor
Analyte Dextrophan Internal Standard Dextrophan-D3

Dextrophan - 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	100.8
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.0
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.2
p1 Cal 4-50ng	4	✓	50.0	50.8	101.6
p1 Cal 5-100ng	5	✓	100.0	99.5	99.5
p1 Cal 6-250ng	6	✓	250.0	245.0	98.0
p1 Cal 7-500ng	7	✓	500.0	503.3	100.7
p1 Cal 8-1000ng	8	✓	1000.0	1001.7	100.2

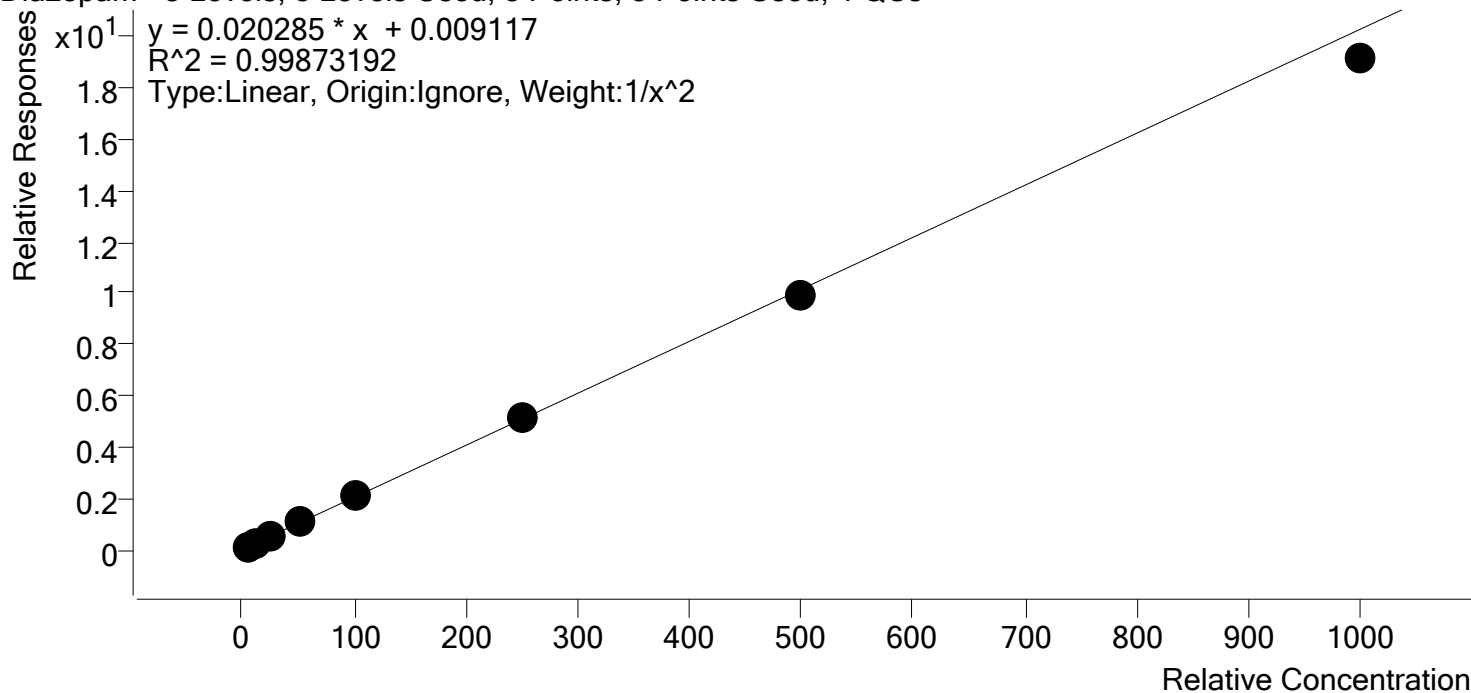
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Last Cal. Update 11/9/2020 11:43 AM
Analyst Name ISP\datastor
Analyte Diazepam **Internal Standard** Diazepam-D5

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

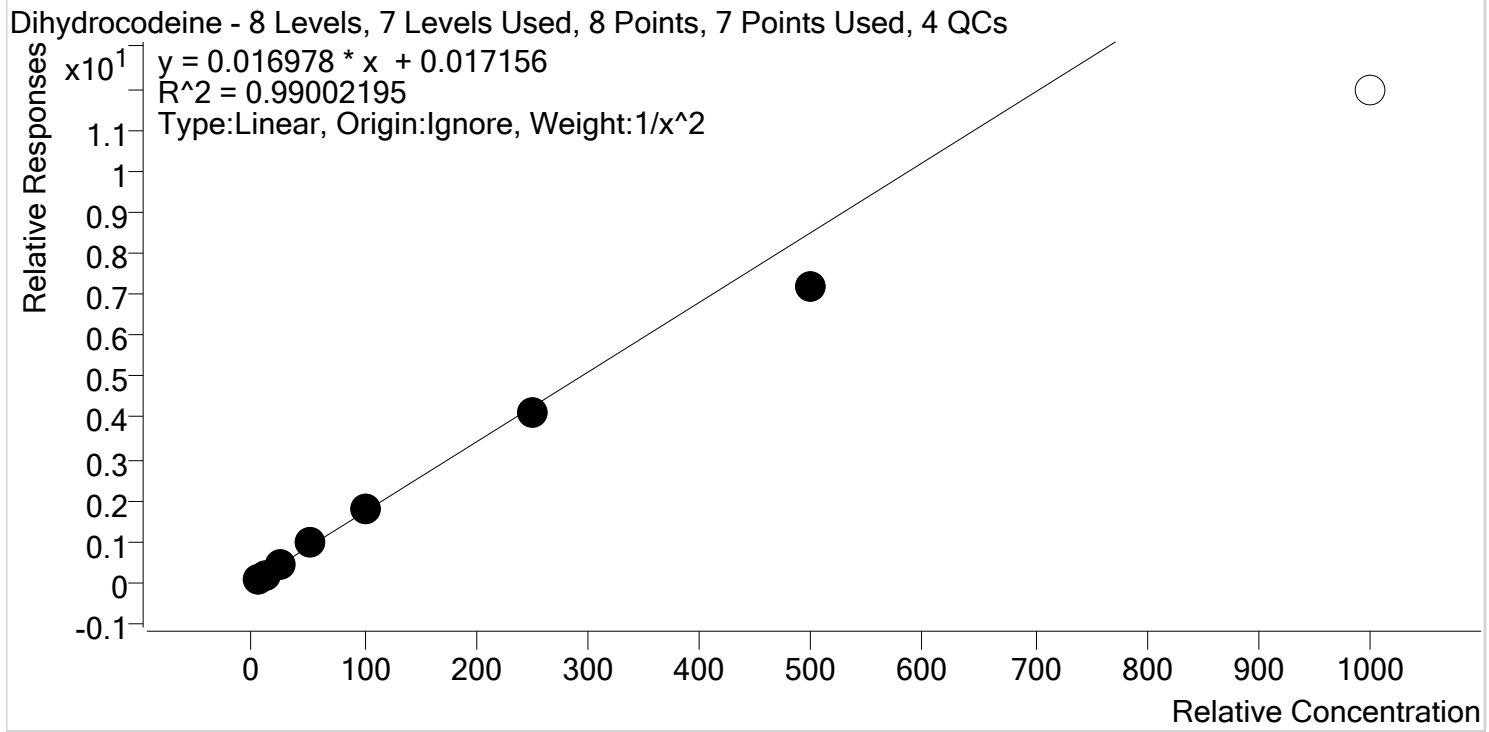


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	99.0
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.5
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.5
p1 Cal 4-50ng	4	✓	50.0	51.8	103.5
p1 Cal 5-100ng	5	✓	100.0	103.6	103.6
p1 Cal 6-250ng	6	✓	250.0	250.3	100.1
p1 Cal 7-500ng	7	✓	500.0	487.3	97.5
p1 Cal 8-1000ng	8	✓	1000.0	943.6	94.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Last Cal. Update 11/9/2020 11:43 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	97.7
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.0
p1 Cal 3 -25ng	3	✓	25.0	26.5	106.1
p1 Cal 4-50ng	4	✓	50.0	55.6	111.1
p1 Cal 5-100ng	5	✓	100.0	104.3	104.3
p1 Cal 6-250ng	6	✓	250.0	239.8	95.9
p1 Cal 7-500ng	7	✓	500.0	424.1	84.8
p1 Cal 8-1000ng	8	✗	1000.0	702.5	70.3

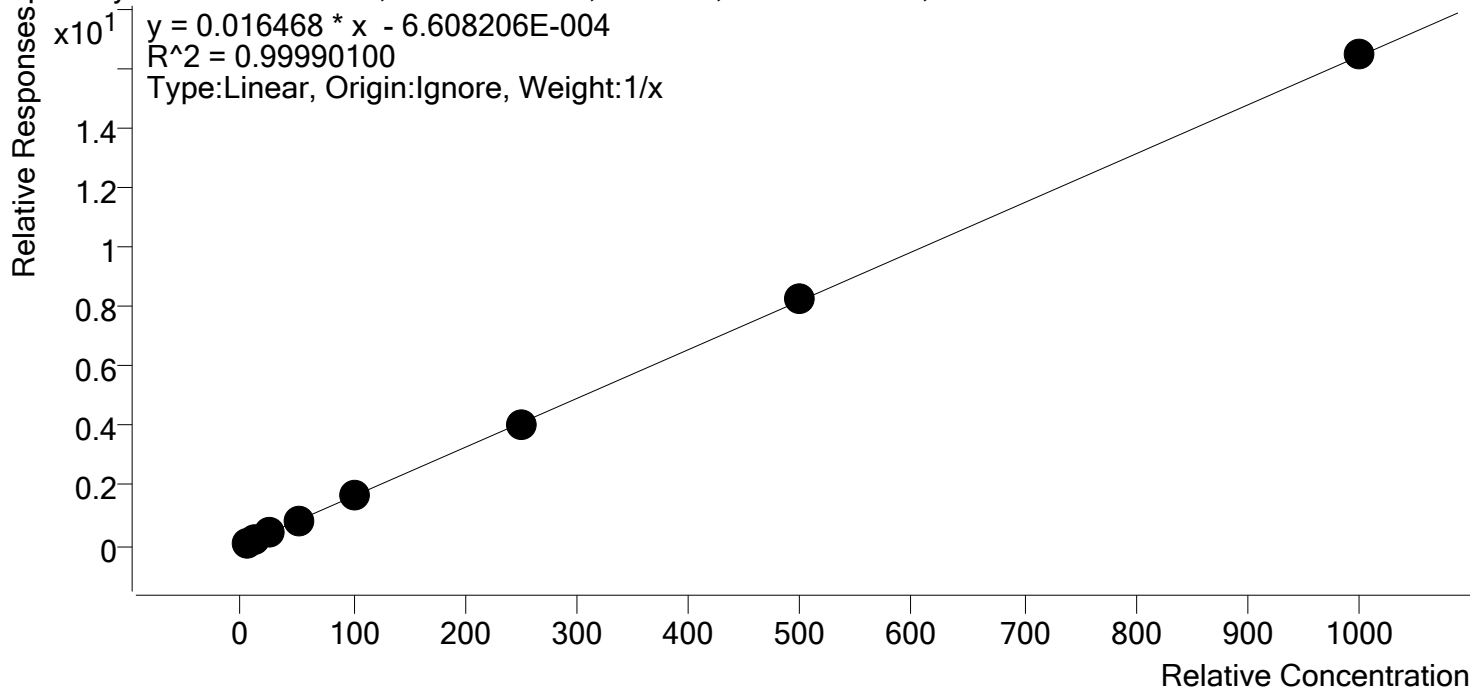
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Last Cal. Update 11/9/2020 11:43 AM
Analyst Name ISP\datastor
Analyte Diphenhydramine **Internal Standard** Diphenhydramine-D3

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



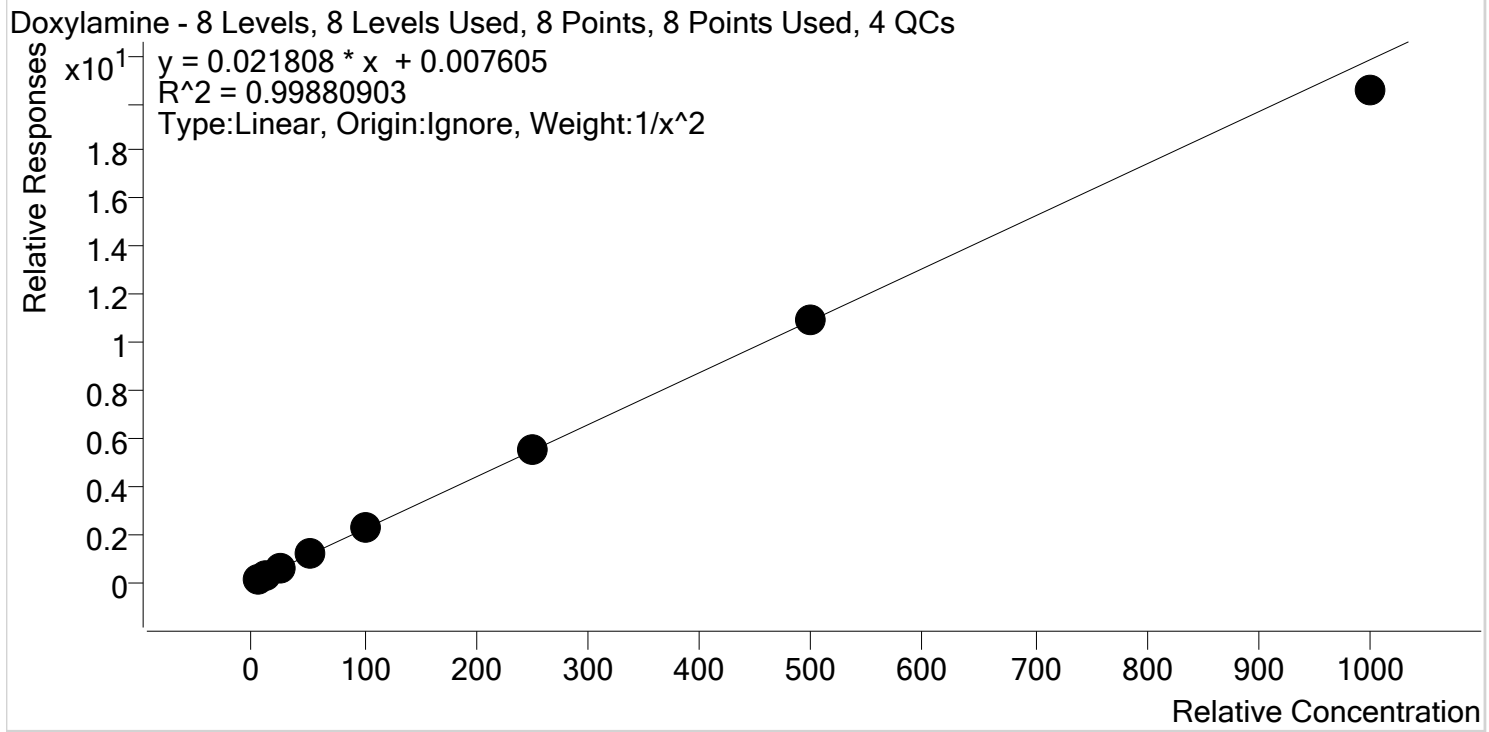
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.6
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.0
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.4
p1 Cal 4-50ng	4	✓	50.0	50.2	100.3
p1 Cal 5-100ng	5	✓	100.0	100.0	100.0
p1 Cal 6-250ng	6	✓	250.0	244.3	97.7
p1 Cal 7-500ng	7	✓	500.0	502.7	100.5
p1 Cal 8-1000ng	8	✓	1000.0	1003.2	100.3

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Last Cal. Update 11/9/2020 11:43 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	5.0	99.9
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.4
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.1
p1 Cal 4-50ng	4	✓	50.0	52.2	104.4
p1 Cal 5-100ng	5	✓	100.0	102.5	102.5
p1 Cal 6-250ng	6	✓	250.0	252.2	100.9
p1 Cal 7-500ng	7	✓	500.0	498.5	99.7
p1 Cal 8-1000ng	8	✓	1000.0	940.8	94.1

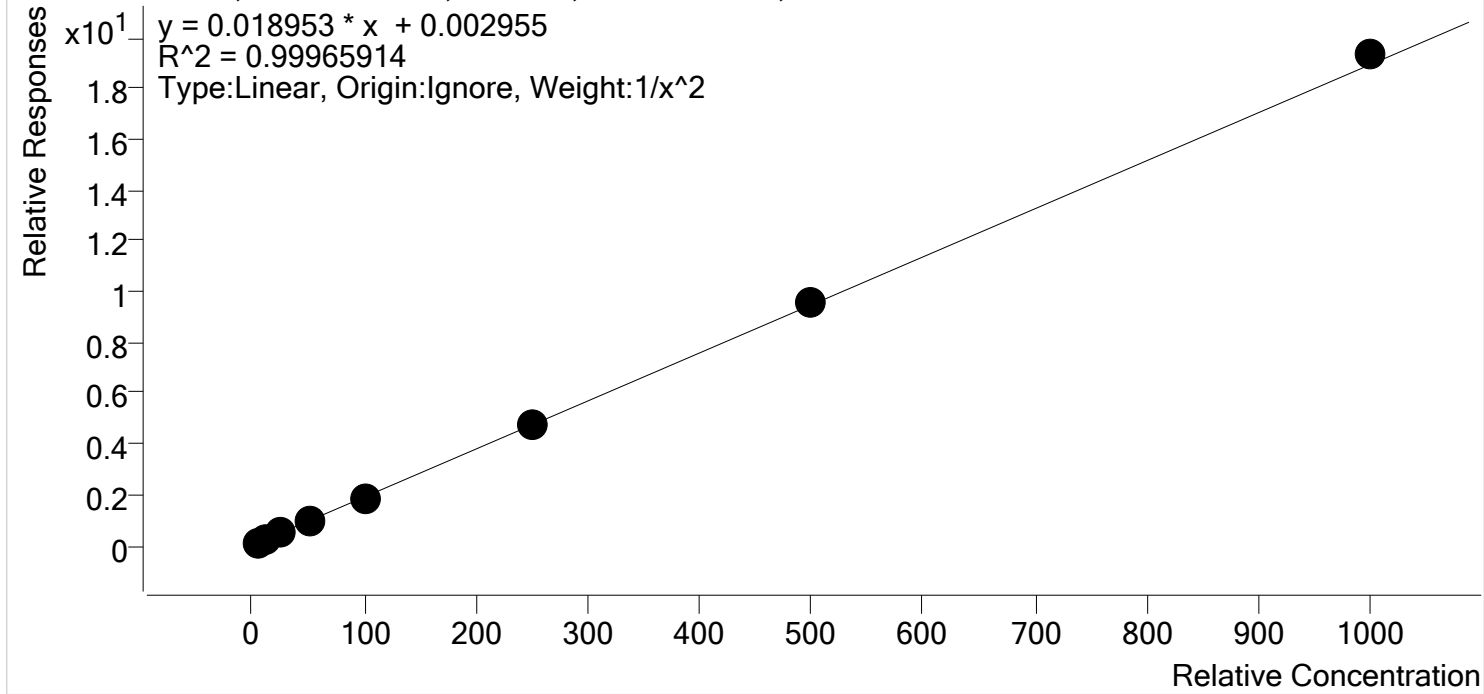
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Last Cal. Update 11/9/2020 11:43 AM
Analyst Name ISP\datastor
Analyte EDDP **Internal Standard** EDDP-D3

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

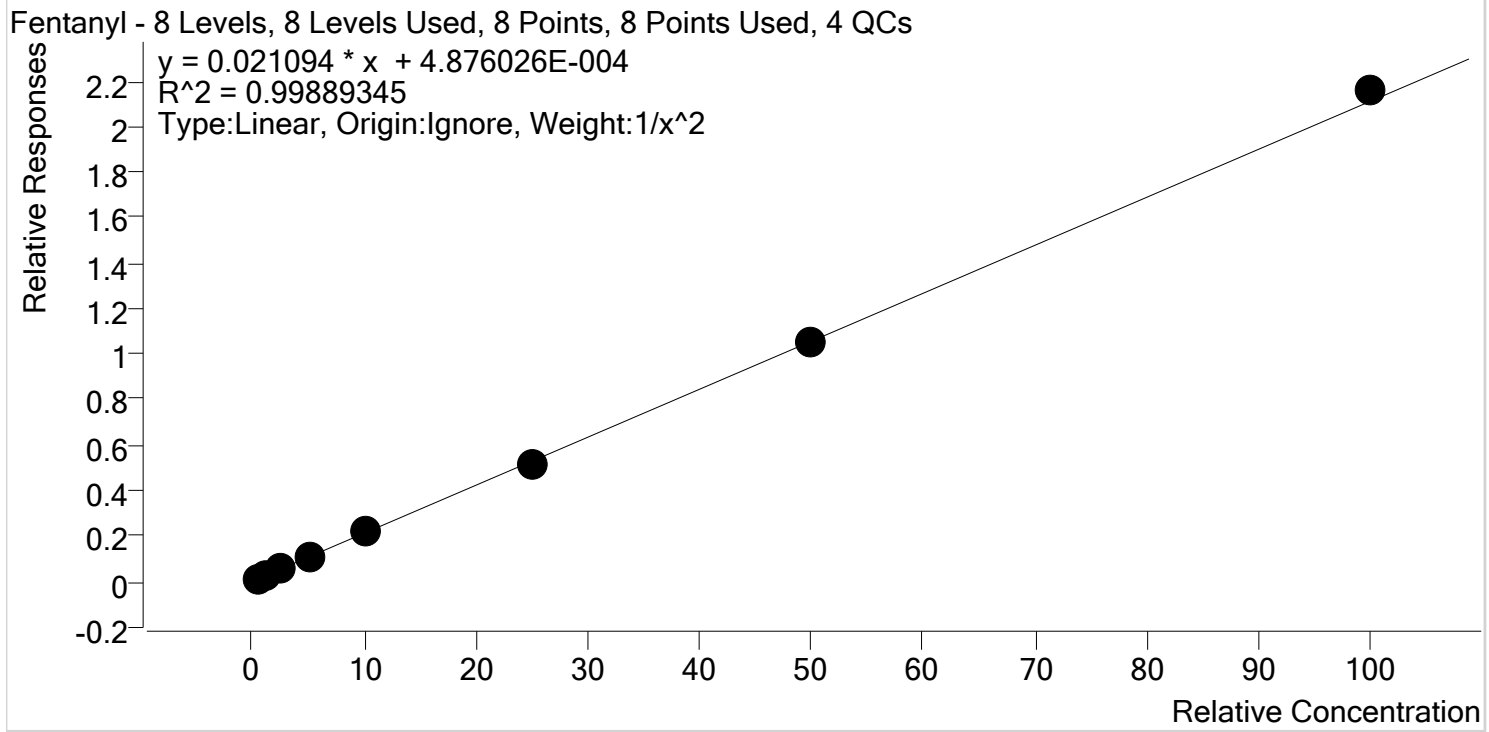


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.0
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.0
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.1
p1 Cal 4-50ng	4	✓	50.0	50.3	100.6
p1 Cal 5-100ng	5	✓	100.0	98.6	98.6
p1 Cal 6-250ng	6	✓	250.0	252.0	100.8
p1 Cal 7-500ng	7	✓	500.0	503.3	100.7
p1 Cal 8-1000ng	8	✓	1000.0	1021.0	102.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Last Cal. Update 11/9/2020 11:43 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	102.4
p1 Cal 2- 10ng	2	✓	1.0	1.0	95.0
p1 Cal 3 -25ng	3	✓	2.5	2.5	98.5
p1 Cal 4-50ng	4	✓	5.0	5.1	102.9
p1 Cal 5-100ng	5	✓	10.0	10.2	102.0
p1 Cal 6-250ng	6	✓	25.0	24.3	97.2
p1 Cal 7-500ng	7	✓	50.0	49.8	99.6
p1 Cal 8-1000ng	8	✓	100.0	102.2	102.2

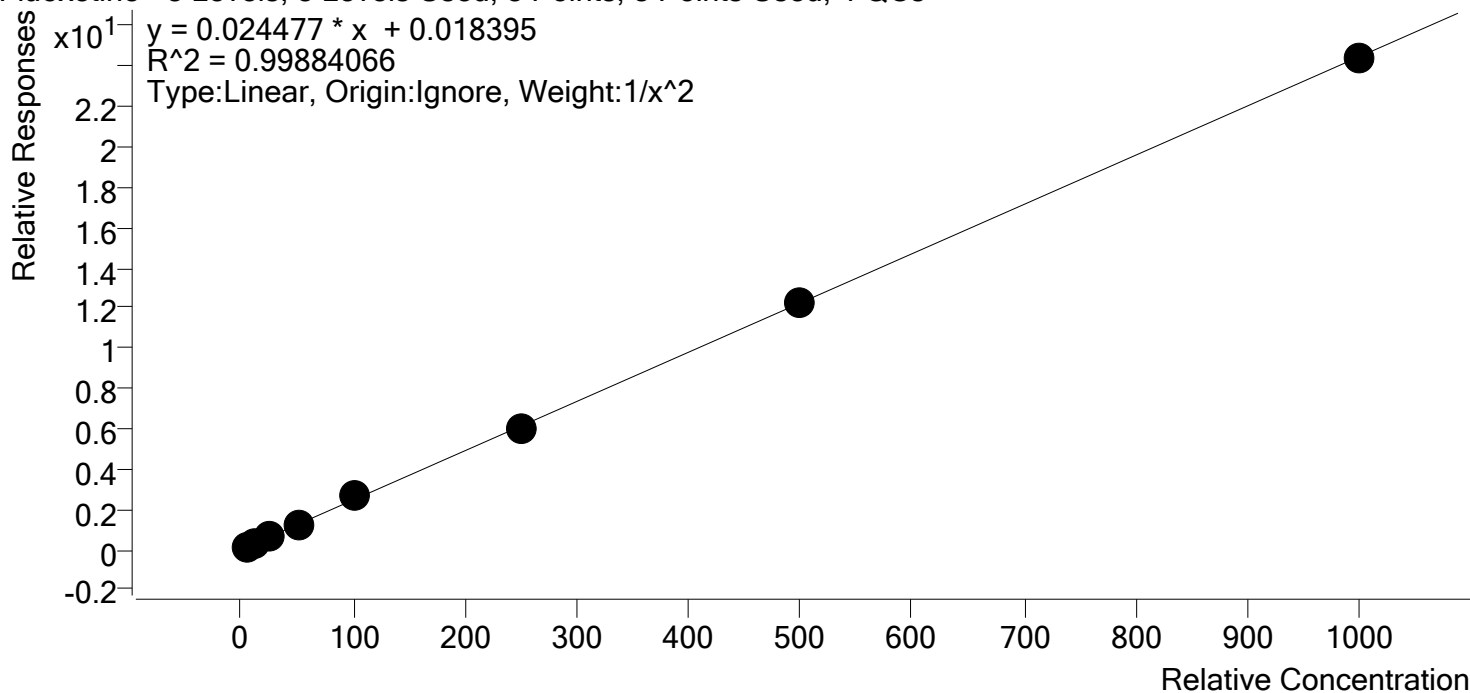
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Last Cal. Update 11/9/2020 11:43 AM
Analyst Name ISP\datastor
Analyte Fluoxetine **Internal Standard** Fluoxetine-D6

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



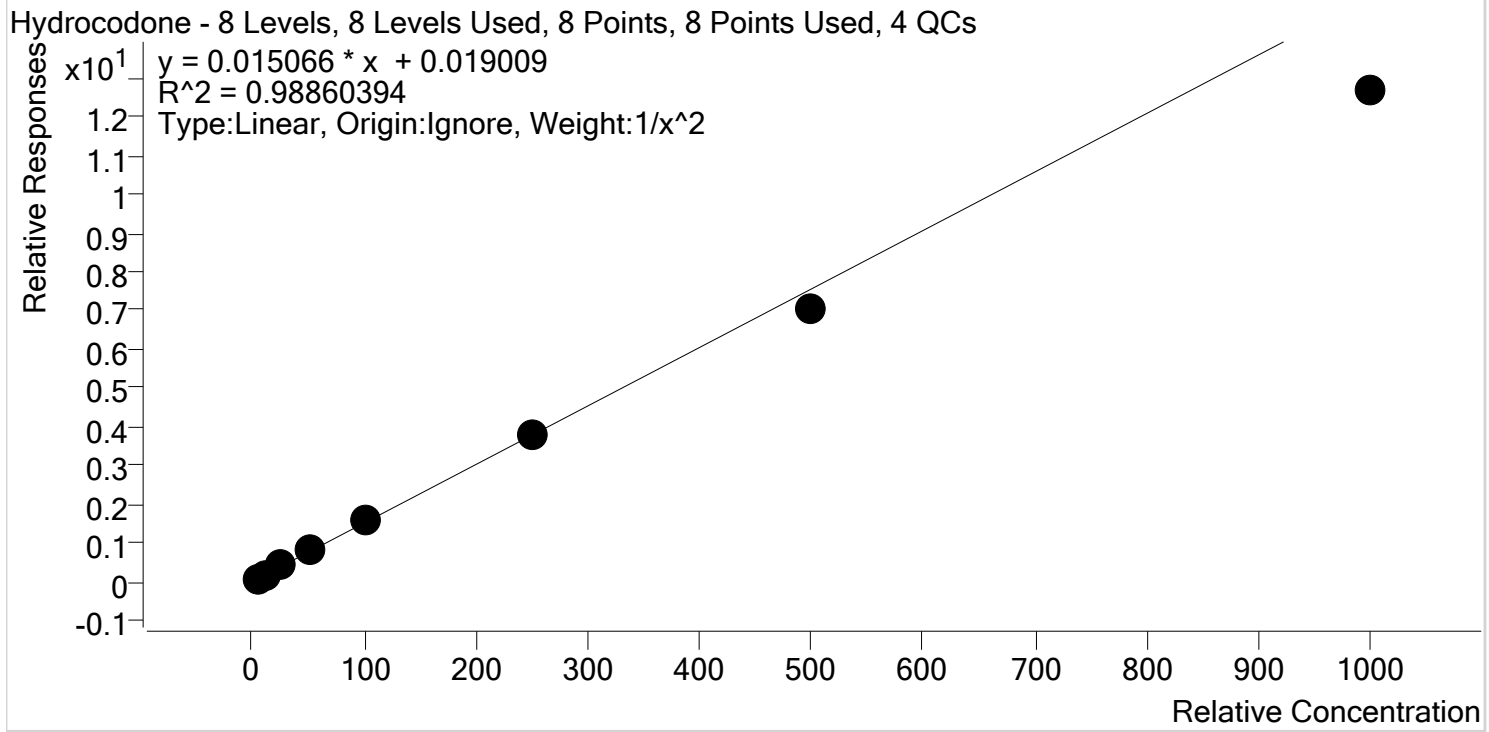
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.8
p1 Cal 2- 10ng	2	✓	10.0	9.7	96.9
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.3
p1 Cal 4-50ng	4	✓	50.0	49.8	99.7
p1 Cal 5-100ng	5	✓	100.0	106.2	106.2
p1 Cal 6-250ng	6	✓	250.0	246.4	98.6
p1 Cal 7-500ng	7	✓	500.0	499.4	99.9
p1 Cal 8-1000ng	8	✓	1000.0	996.2	99.6

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Last Cal. Update 11/9/2020 11:43 AM
Analyst Name ISP\datastor
Analyte Hydrocodone **Internal Standard** Hydrocodone-D6



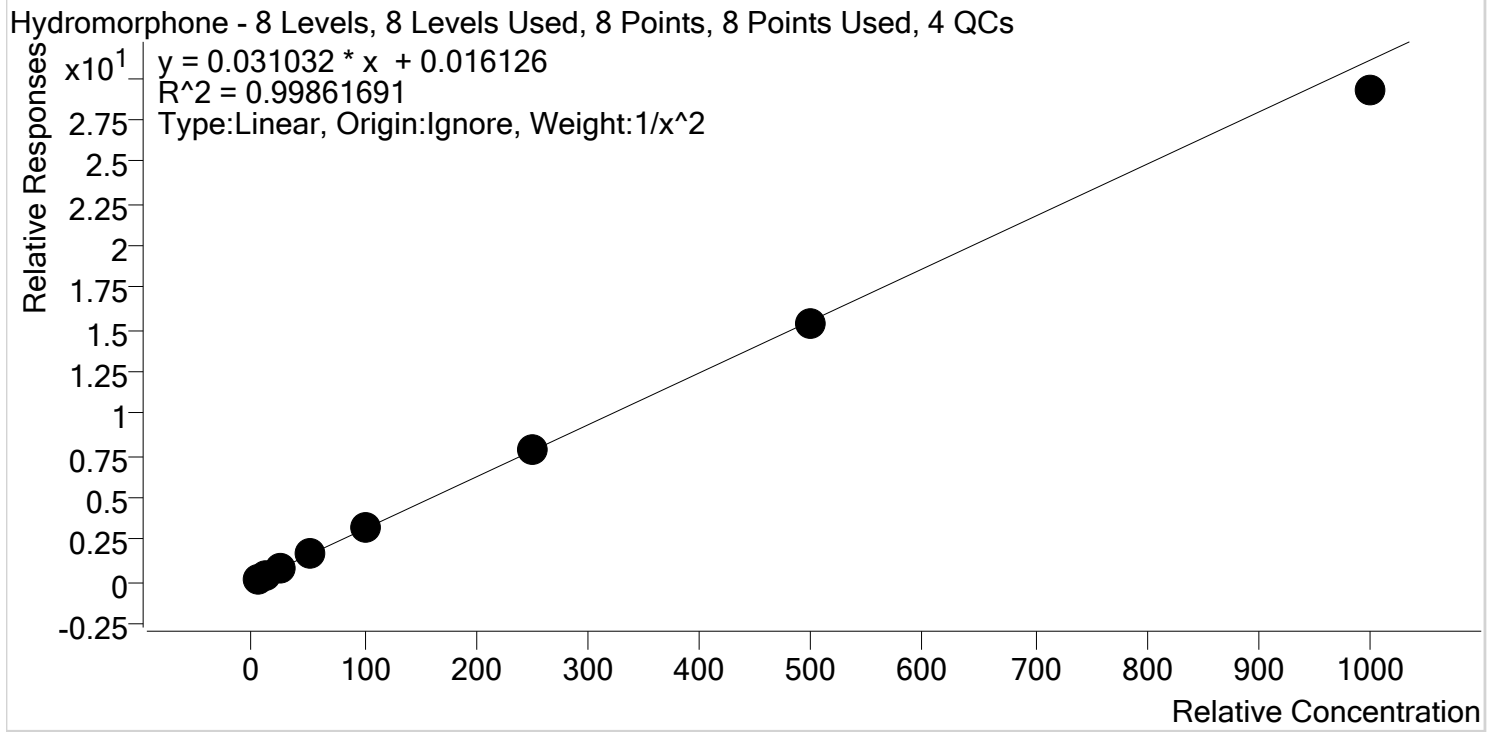
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.3
p1 Cal 2- 10ng	2	✓	10.0	10.6	105.6
p1 Cal 3 -25ng	3	✓	25.0	27.0	108.2
p1 Cal 4-50ng	4	✓	50.0	56.2	112.4
p1 Cal 5-100ng	5	✓	100.0	103.5	103.5
p1 Cal 6-250ng	6	✓	250.0	248.6	99.4
p1 Cal 7-500ng	7	✓	500.0	463.4	92.7
p1 Cal 8-1000ng	8	✓	1000.0	839.2	83.9

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Last Cal. Update 11/9/2020 11:43 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	99.1
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.2
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.3
p1 Cal 4-50ng	4	✓	50.0	52.6	105.1
p1 Cal 5-100ng	5	✓	100.0	102.3	102.3
p1 Cal 6-250ng	6	✓	250.0	252.4	101.0
p1 Cal 7-500ng	7	✓	500.0	493.9	98.8
p1 Cal 8-1000ng	8	✓	1000.0	941.5	94.2

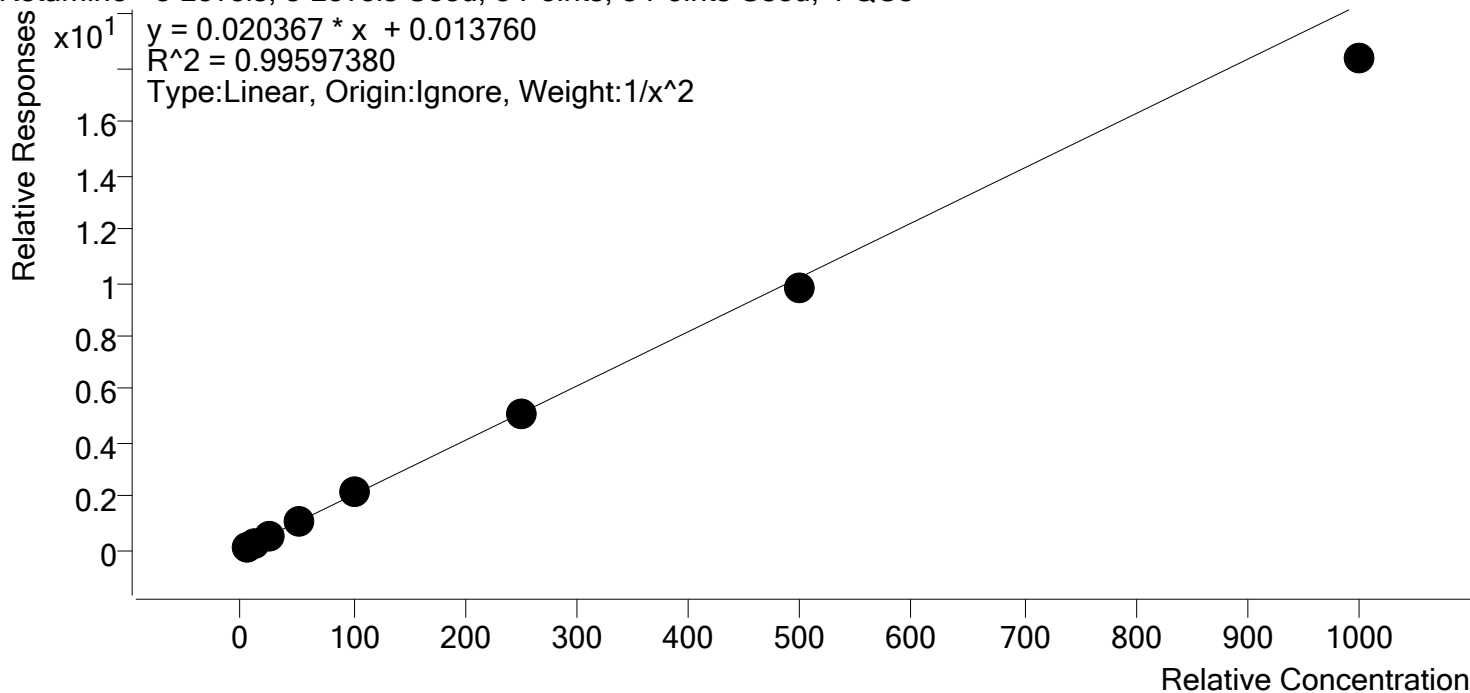
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Last Cal. Update 11/9/2020 11:43 AM
Analyst Name ISP\datastor
Analyte Ketamine **Internal Standard** Ketamine-D4

Ketamine - 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	98.4
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.8
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.1
p1 Cal 4-50ng	4	✓	50.0	53.9	107.8
p1 Cal 5-100ng	5	✓	100.0	105.9	105.9
p1 Cal 6-250ng	6	✓	250.0	249.2	99.7
p1 Cal 7-500ng	7	✓	500.0	480.6	96.1
p1 Cal 8-1000ng	8	✓	1000.0	901.3	90.1

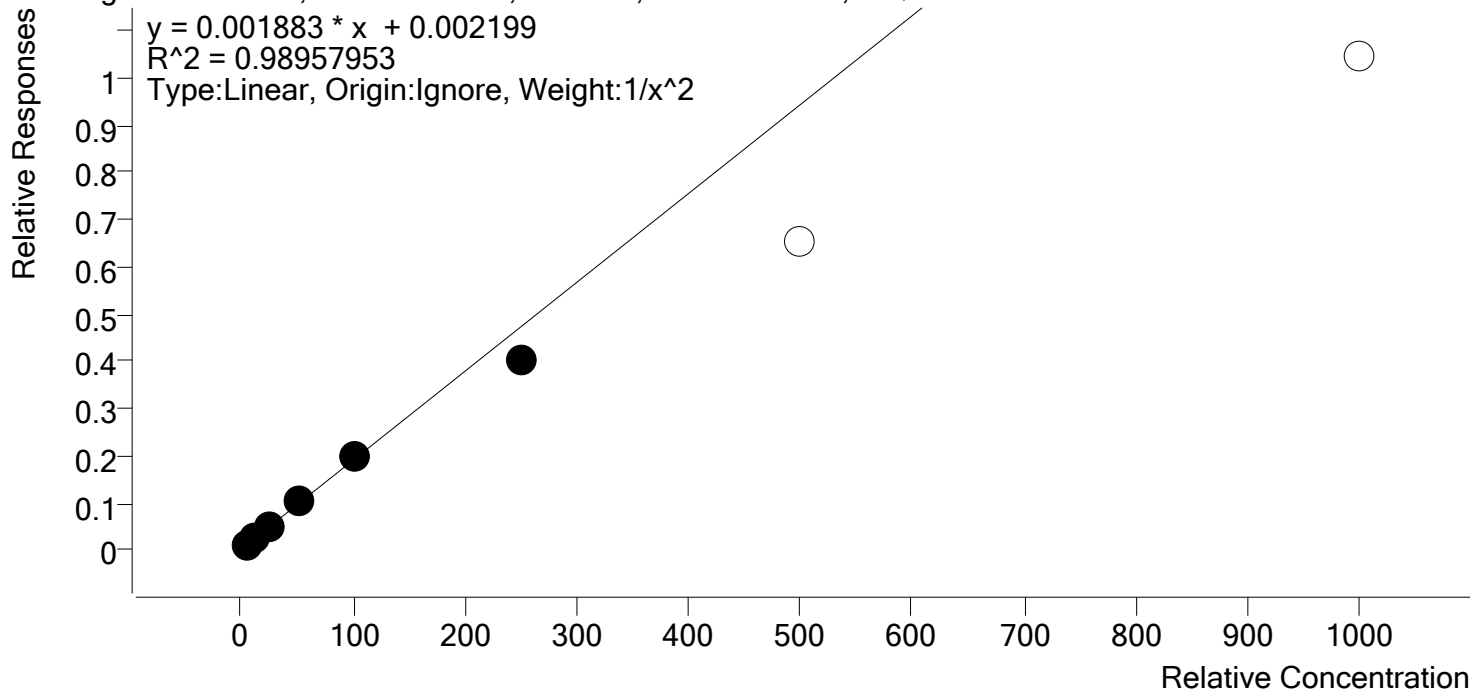
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Last Cal. Update 11/9/2020 11:43 AM
Analyst Name ISP\datastor
Analyte Lamotrigine **Internal Standard** Ketamine-D4

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



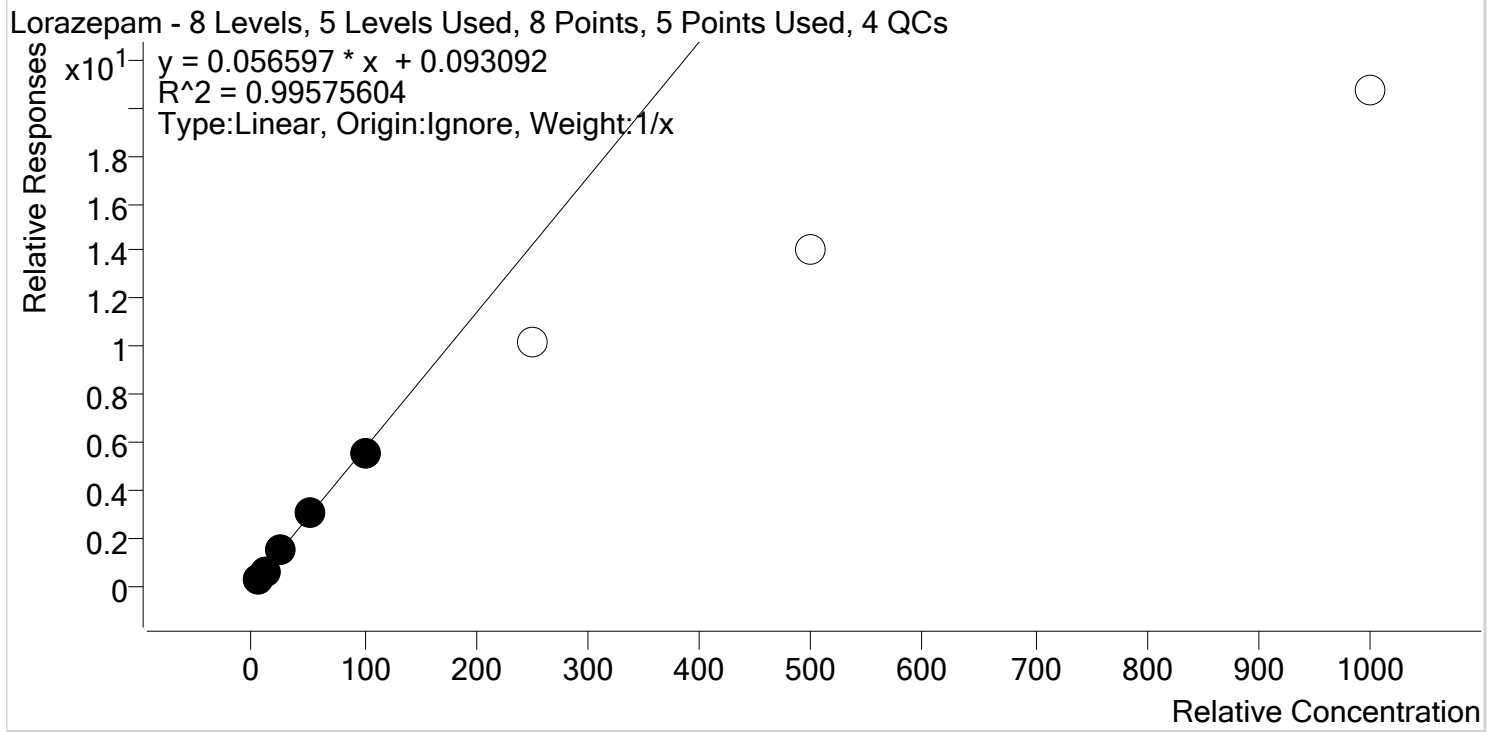
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.9
p1 Cal 2- 10ng	2	✓	10.0	10.6	106.2
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.2
p1 Cal 4-50ng	4	✓	50.0	53.7	107.3
p1 Cal 5-100ng	5	✓	100.0	103.4	103.4
p1 Cal 6-250ng	6	✓	250.0	212.6	85.0
p1 Cal 7-500ng	7	x	500.0	344.6	68.9
p1 Cal 8-1000ng	8	x	1000.0	554.1	55.4

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Last Cal. Update 11/9/2020 11:43 AM
Analyst Name ISP\datastor
Analyte Lorazepam **Internal Standard** Clonazepam-D4



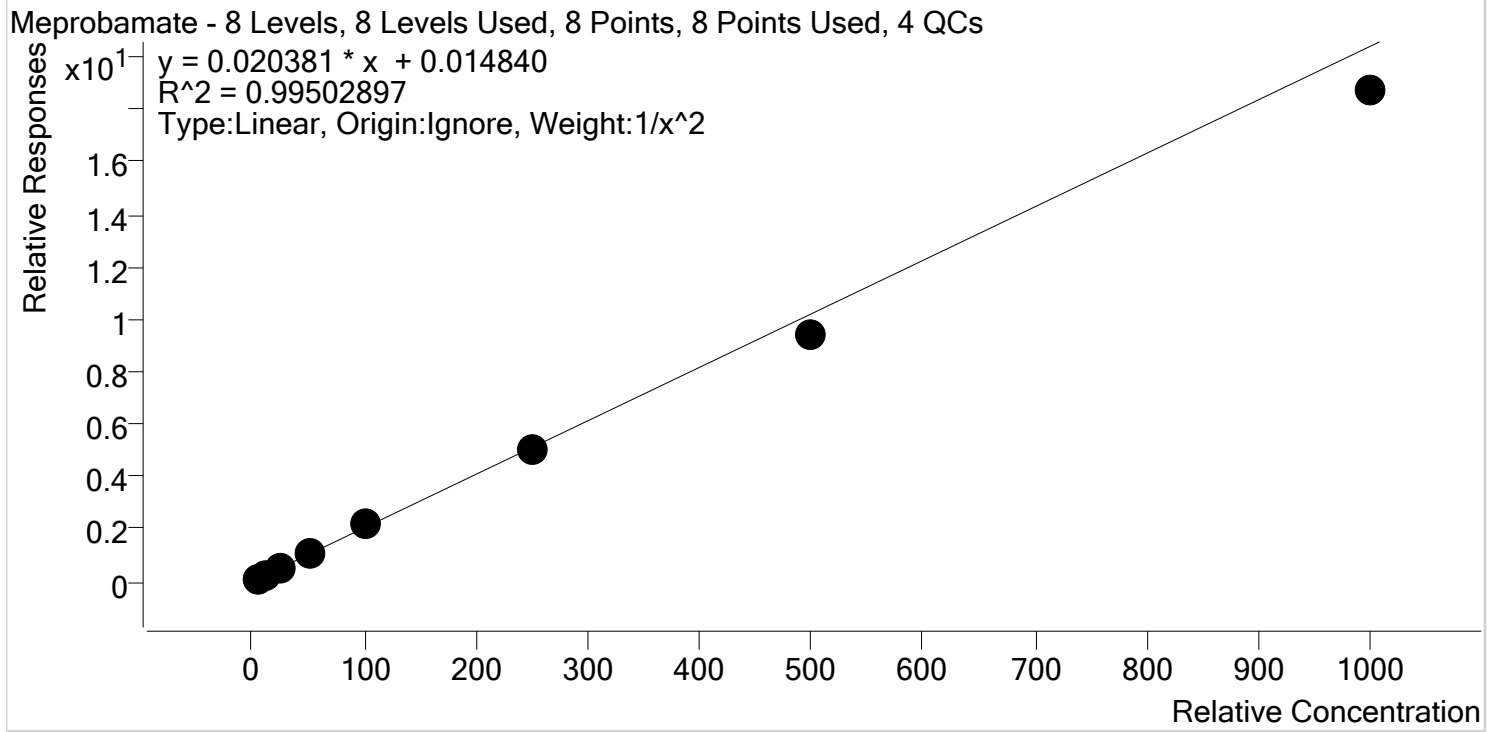
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.5	89.8
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.4
p1 Cal 3 -25ng	3	✓	25.0	26.5	105.8
p1 Cal 4-50ng	4	✓	50.0	53.1	106.2
p1 Cal 5-100ng	5	✓	100.0	95.7	95.7
p1 Cal 6-250ng	6	✗	250.0	179.9	72.0
p1 Cal 7-500ng	7	✗	500.0	247.0	49.4
p1 Cal 8-1000ng	8	✗	1000.0	363.9	36.4

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Last Cal. Update 11/9/2020 11:43 AM
Analyst Name ISP\datastor
Analyte Meprobamate **Internal Standard** Meprobamate-D7



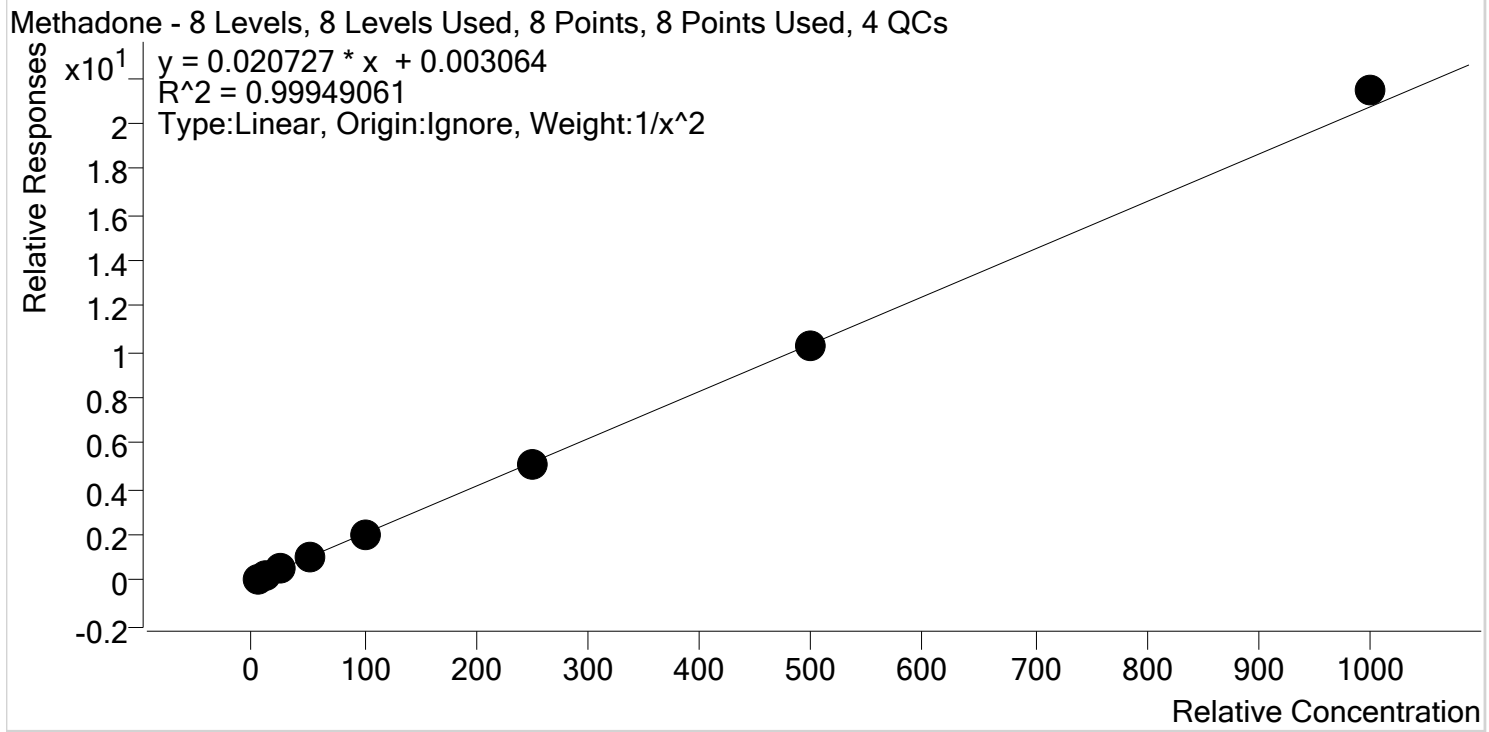
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.4
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.0
p1 Cal 3 -25ng	3	✓	25.0	26.5	106.1
p1 Cal 4-50ng	4	✓	50.0	53.6	107.3
p1 Cal 5-100ng	5	✓	100.0	106.0	106.0
p1 Cal 6-250ng	6	✓	250.0	245.3	98.1
p1 Cal 7-500ng	7	✓	500.0	462.0	92.4
p1 Cal 8-1000ng	8	✓	1000.0	917.3	91.7

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Last Cal. Update 11/9/2020 11:43 AM
Analyst Name ISP\datastor
Analyte Methadone **Internal Standard** Methadone-D9



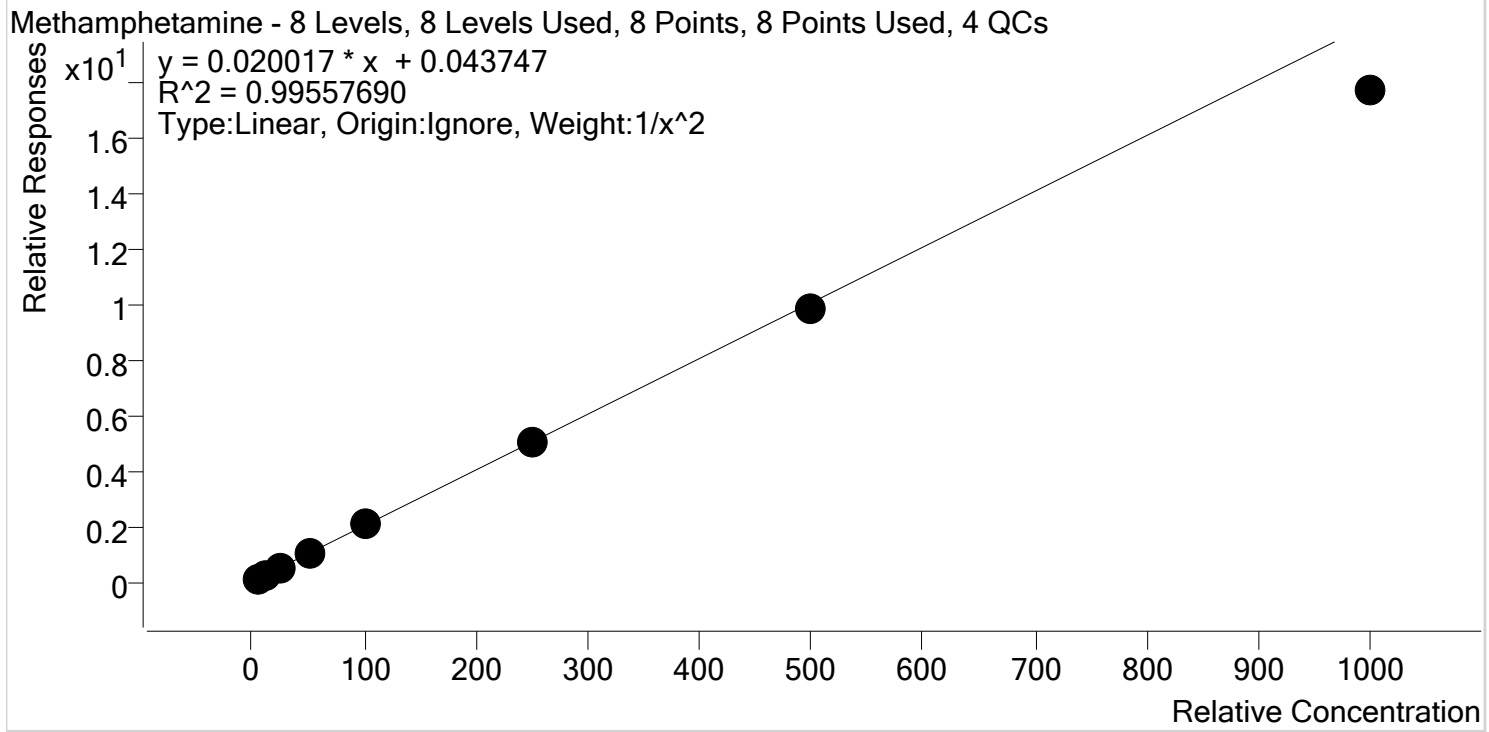
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.6
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.0
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.9
p1 Cal 4-50ng	4	✓	50.0	49.9	99.8
p1 Cal 5-100ng	5	✓	100.0	101.4	101.4
p1 Cal 6-250ng	6	✓	250.0	245.4	98.2
p1 Cal 7-500ng	7	✓	500.0	498.5	99.7
p1 Cal 8-1000ng	8	✓	1000.0	1034.3	103.4

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Last Cal. Update 11/9/2020 11:43 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	4.9	97.5
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.8
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.3
p1 Cal 4-50ng	4	✓	50.0	53.3	106.6
p1 Cal 5-100ng	5	✓	100.0	103.6	103.6
p1 Cal 6-250ng	6	✓	250.0	251.7	100.7
p1 Cal 7-500ng	7	✓	500.0	487.2	97.4
p1 Cal 8-1000ng	8	✓	1000.0	880.7	88.1

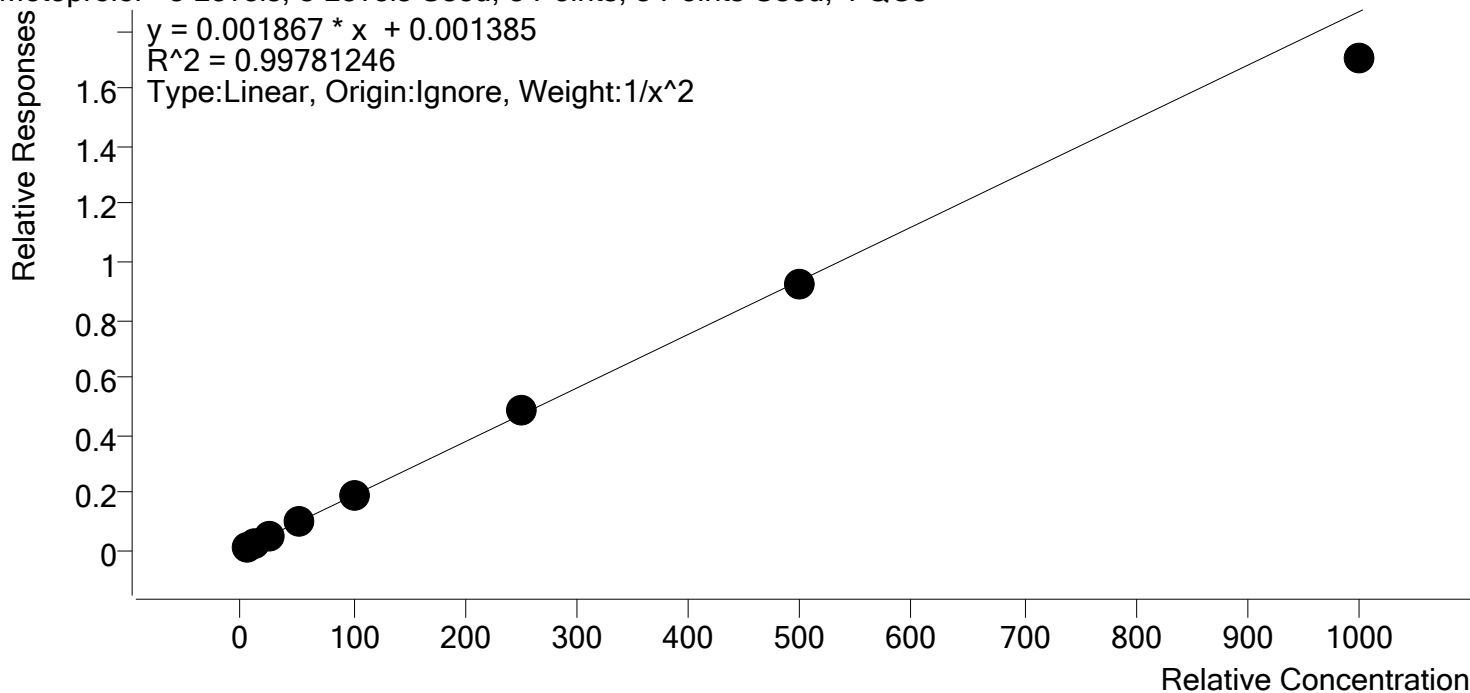
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Last Cal. Update 11/9/2020 11:43 AM
Analyst Name ISP\datastor
Analyte Metoprolol **Internal Standard** Tramadol-13C-D3

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



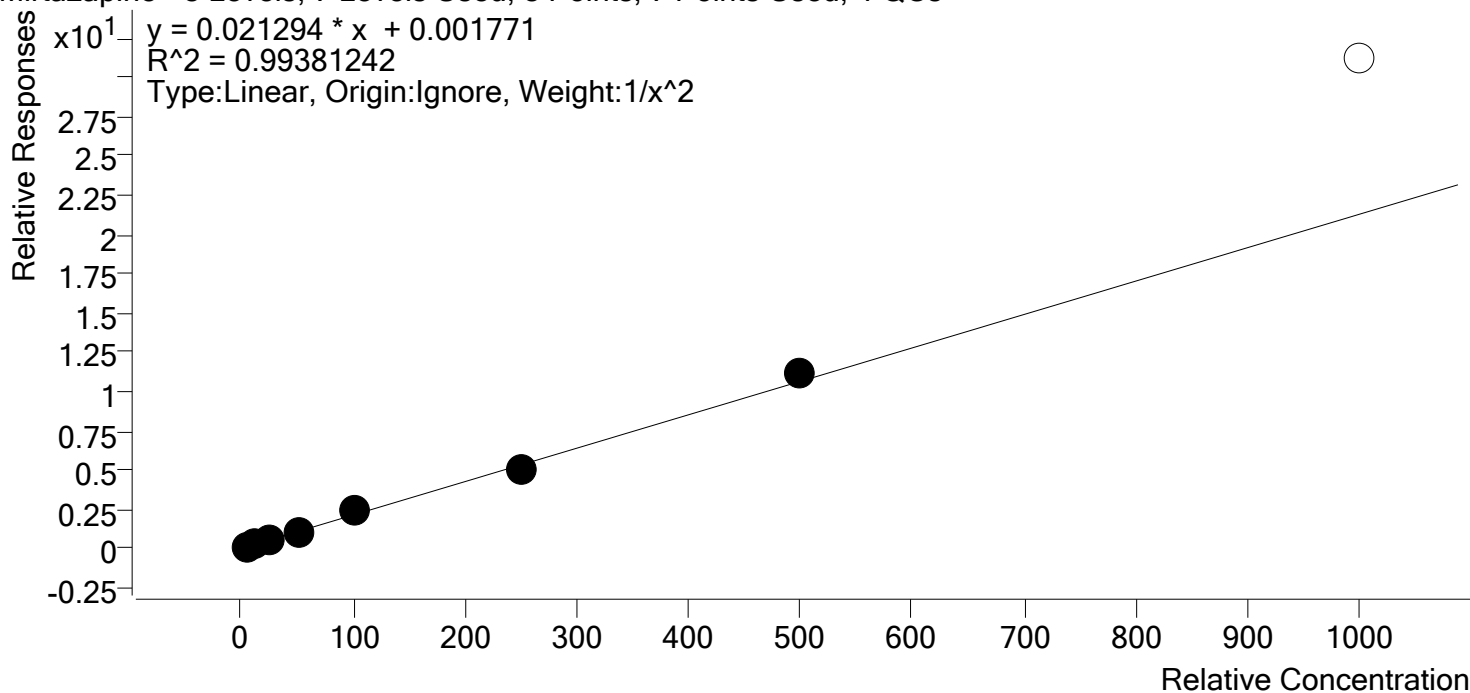
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.0
p1 Cal 2- 10ng	2	✓	10.0	9.8	98.1
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.6
p1 Cal 4-50ng	4	✓	50.0	51.8	103.6
p1 Cal 5-100ng	5	✓	100.0	102.4	102.4
p1 Cal 6-250ng	6	✓	250.0	257.5	103.0
p1 Cal 7-500ng	7	✓	500.0	495.5	99.1
p1 Cal 8-1000ng	8	✓	1000.0	912.6	91.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Last Cal. Update 11/9/2020 11:43 AM
Analyst Name ISP\datastor
Analyte Mirtazapine **Internal Standard** alpha-PVP-d8

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



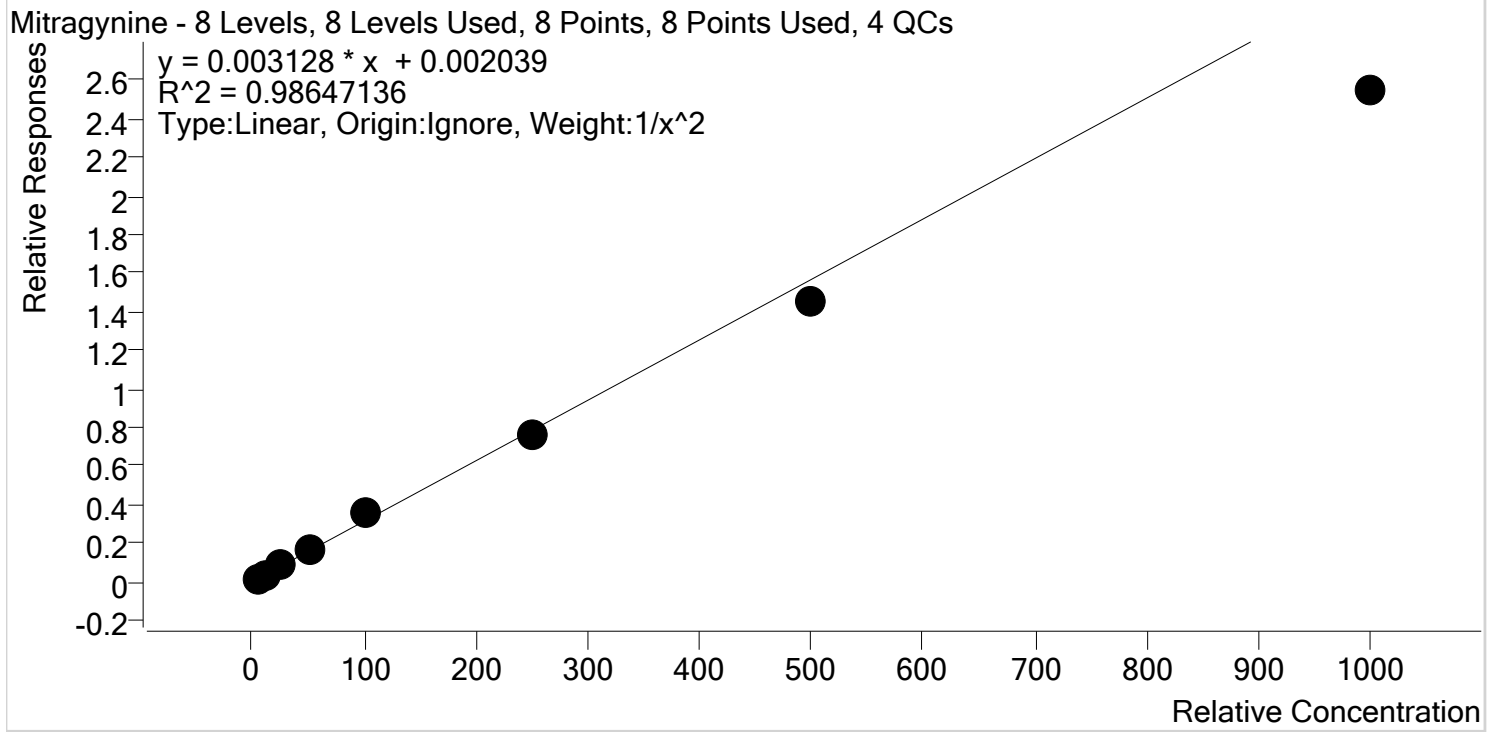
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.9
p1 Cal 2- 10ng	2	✓	10.0	9.7	97.2
p1 Cal 3 -25ng	3	✓	25.0	23.0	91.9
p1 Cal 4-50ng	4	✓	50.0	47.7	95.4
p1 Cal 5-100ng	5	✓	100.0	111.1	111.1
p1 Cal 6-250ng	6	✓	250.0	240.6	96.2
p1 Cal 7-500ng	7	✓	500.0	526.3	105.3
p1 Cal 8-1000ng	8	x	1000.0	1466.1	146.6

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Last Cal. Update 11/9/2020 11:43 AM
Analyst Name ISP\datastor
Analyte Mitragynine **Internal Standard** Methadone-D9



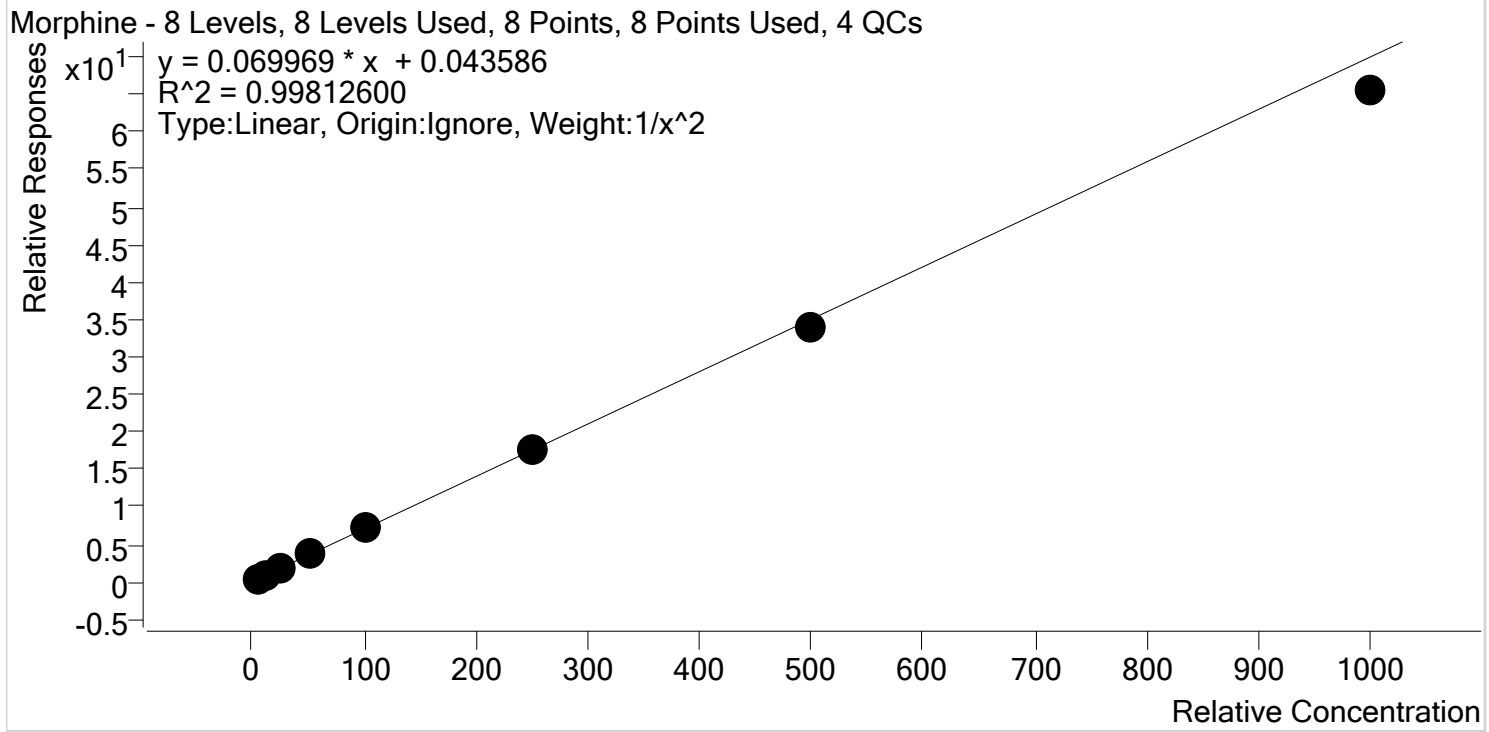
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.8
p1 Cal 2- 10ng	2	✓	10.0	10.3	103.4
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.6
p1 Cal 4-50ng	4	✓	50.0	54.9	109.7
p1 Cal 5-100ng	5	✓	100.0	113.0	113.0
p1 Cal 6-250ng	6	✓	250.0	244.9	98.0
p1 Cal 7-500ng	7	✓	500.0	466.8	93.4
p1 Cal 8-1000ng	8	✓	1000.0	812.5	81.2

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Last Cal. Update 11/9/2020 11:43 AM
Analyst Name ISP\datastor
Analyte Morphine **Internal Standard** Morphine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.4
p1 Cal 2- 10ng	2	✓	10.0	9.7	96.6
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.7
p1 Cal 4-50ng	4	✓	50.0	51.7	103.4
p1 Cal 5-100ng	5	✓	100.0	103.8	103.8
p1 Cal 6-250ng	6	✓	250.0	252.0	100.8
p1 Cal 7-500ng	7	✓	500.0	487.9	97.6
p1 Cal 8-1000ng	8	✓	1000.0	936.0	93.6

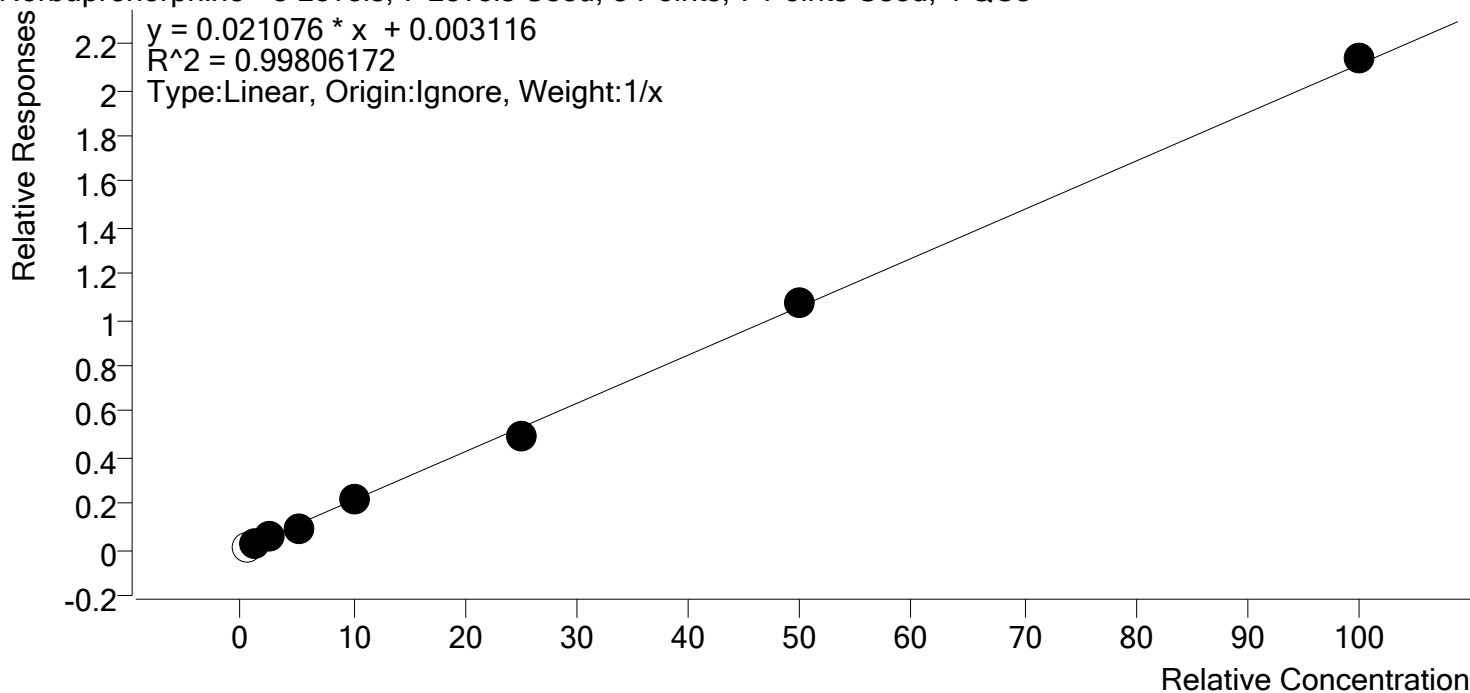
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Last Cal. Update 11/9/2020 11:43 AM
Analyst Name ISP\datastor
Analyte Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

Norbuprenorphine - 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	0.5	0.4	79.2
p1 Cal 2- 10ng	2	✓	1.0	1.0	102.5
p1 Cal 3 -25ng	3	✓	2.5	2.7	109.9
p1 Cal 4-50ng	4	✓	5.0	4.4	87.9
p1 Cal 5-100ng	5	✓	10.0	10.5	105.5
p1 Cal 6-250ng	6	✓	25.0	22.9	91.7
p1 Cal 7-500ng	7	✓	50.0	50.7	101.3
p1 Cal 8-1000ng	8	✓	100.0	101.2	101.2

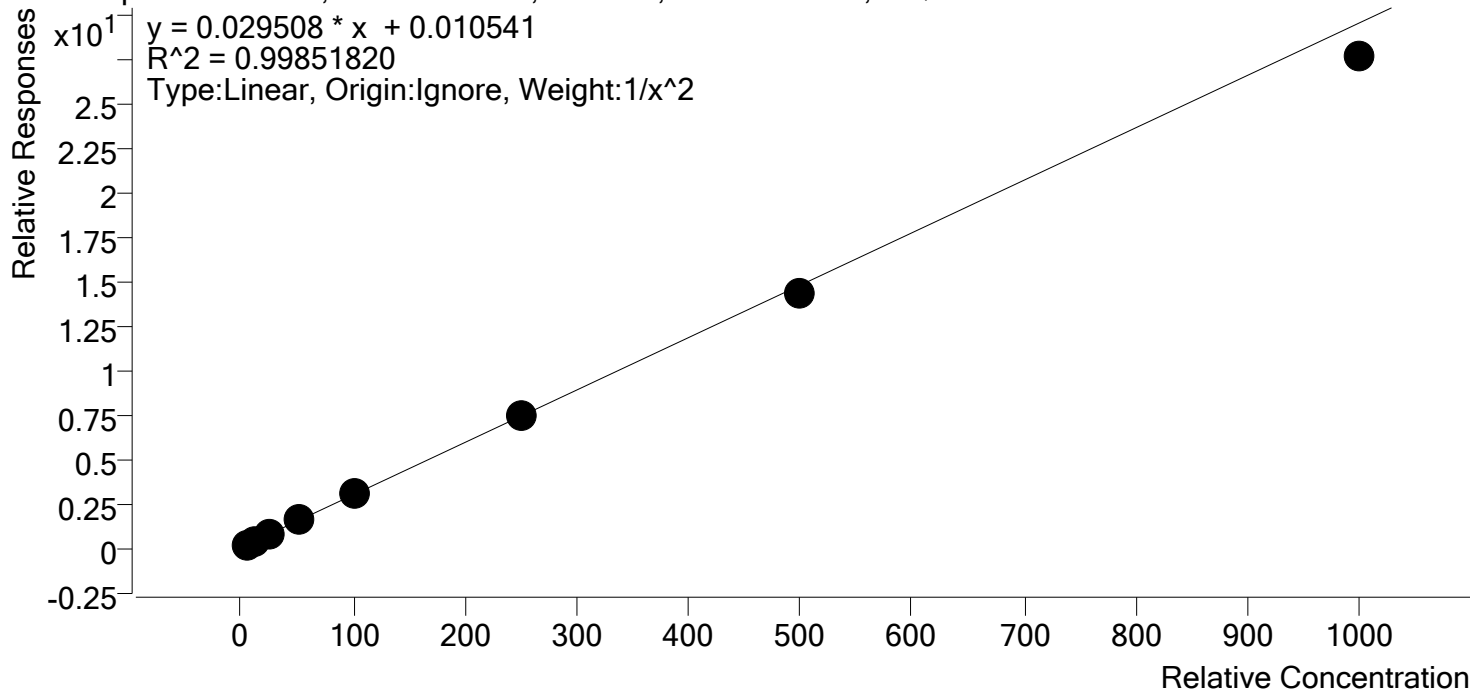
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Last Cal. Update 11/9/2020 11:43 AM
Analyst Name ISP\datastor
Analyte Nordiazepam **Internal Standard** Nordiazepam-D5

Nordiazepam - 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	100.5
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.5
p1 Cal 4-50ng	4	✓	50.0	51.9	103.9
p1 Cal 5-100ng	5	✓	100.0	103.3	103.3
p1 Cal 6-250ng	6	✓	250.0	252.2	100.9
p1 Cal 7-500ng	7	✓	500.0	487.0	97.4
p1 Cal 8-1000ng	8	✓	1000.0	935.9	93.6

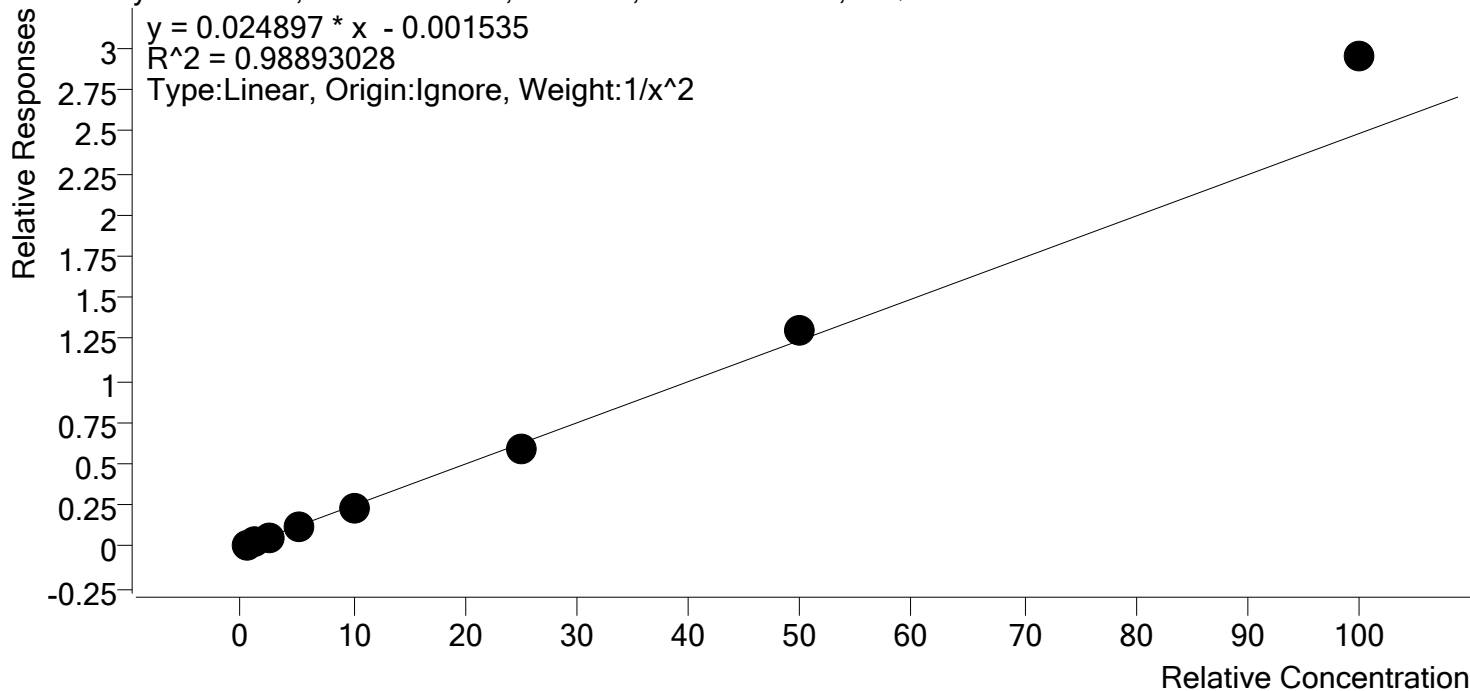
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Last Cal. Update 11/9/2020 11:43 AM
Analyst Name ISP\datastor
Analyte Norfentanyl **Internal Standard** Norfentanyl-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	104.7
p1 Cal 2- 10ng	2	✓	1.0	1.0	96.2
p1 Cal 3 -25ng	3	✓	2.5	2.3	90.4
p1 Cal 4-50ng	4	✓	5.0	4.7	93.9
p1 Cal 5-100ng	5	✓	10.0	9.4	94.1
p1 Cal 6-250ng	6	✓	25.0	24.1	96.4
p1 Cal 7-500ng	7	✓	50.0	52.8	105.6
p1 Cal 8-1000ng	8	✓	100.0	118.6	118.6

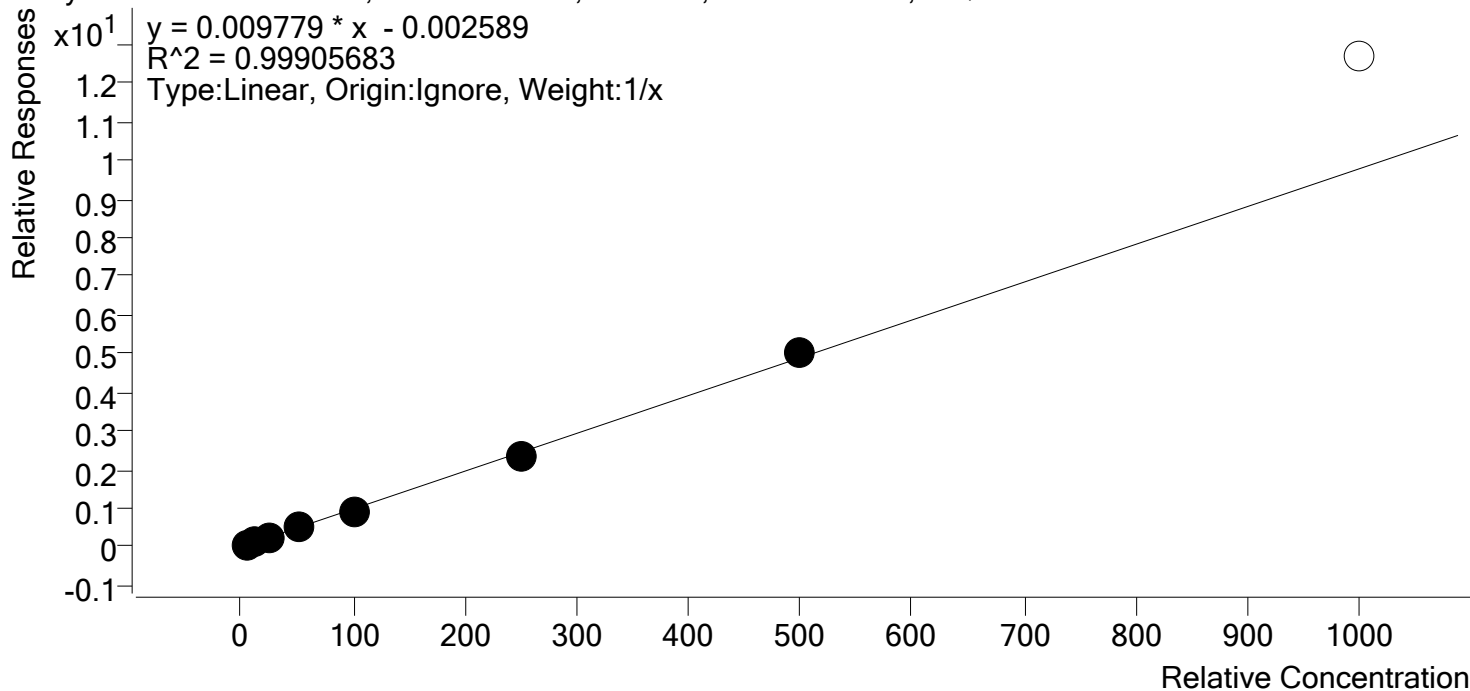
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Last Cal. Update 11/9/2020 11:43 AM
Analyst Name ISP\datastor
Analyte Norhydrocodone **Internal Standard** Norhydrocodone-D3

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



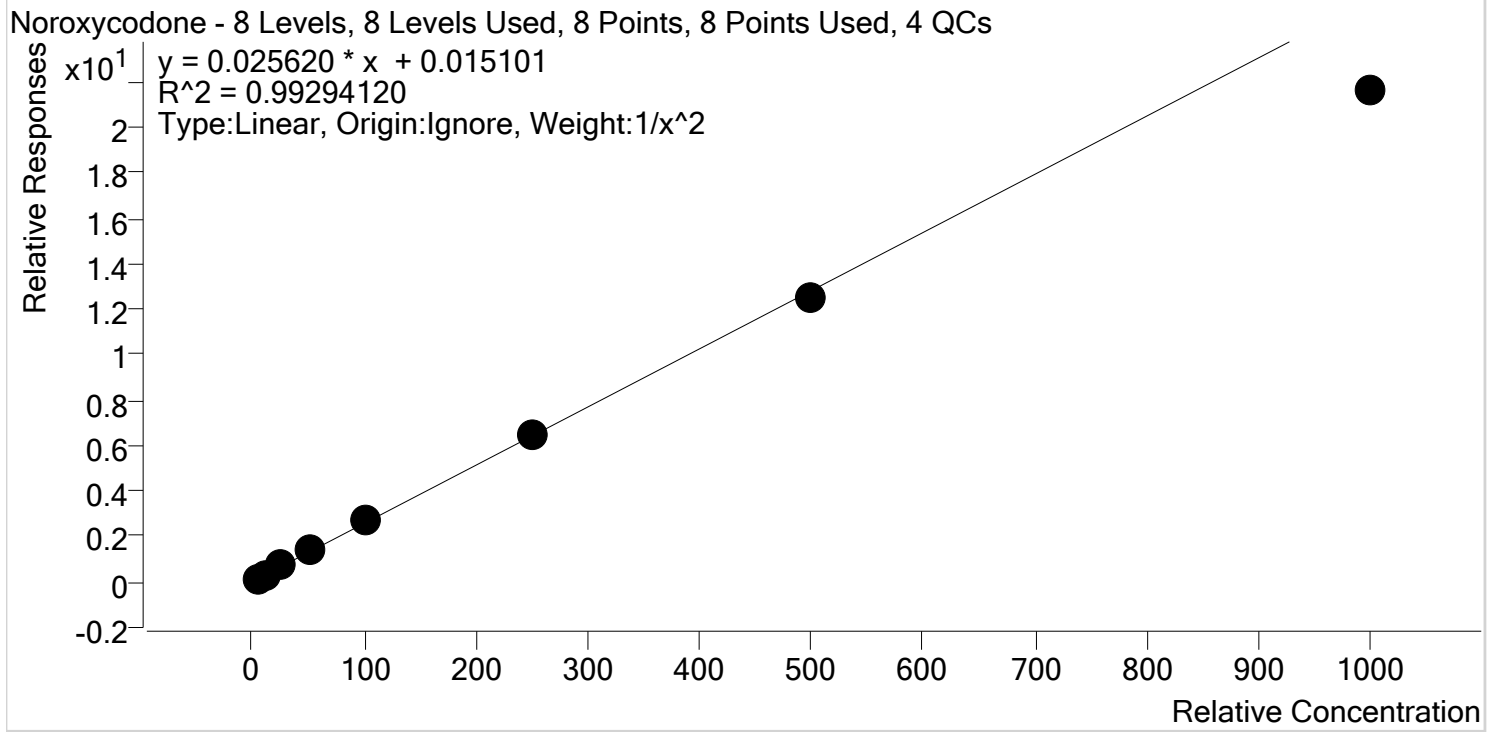
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.4	107.8
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.3
p1 Cal 3 -25ng	3	✓	25.0	24.5	97.8
p1 Cal 4-50ng	4	✓	50.0	49.6	99.1
p1 Cal 5-100ng	5	✓	100.0	95.3	95.3
p1 Cal 6-250ng	6	✓	250.0	243.0	97.2
p1 Cal 7-500ng	7	✓	500.0	512.3	102.5
p1 Cal 8-1000ng	8	✗	1000.0	1296.9	129.7

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Last Cal. Update 11/9/2020 11:43 AM
Analyst Name ISP\datastor
Analyte Noroxycodone **Internal Standard** Noroxycodone-D3

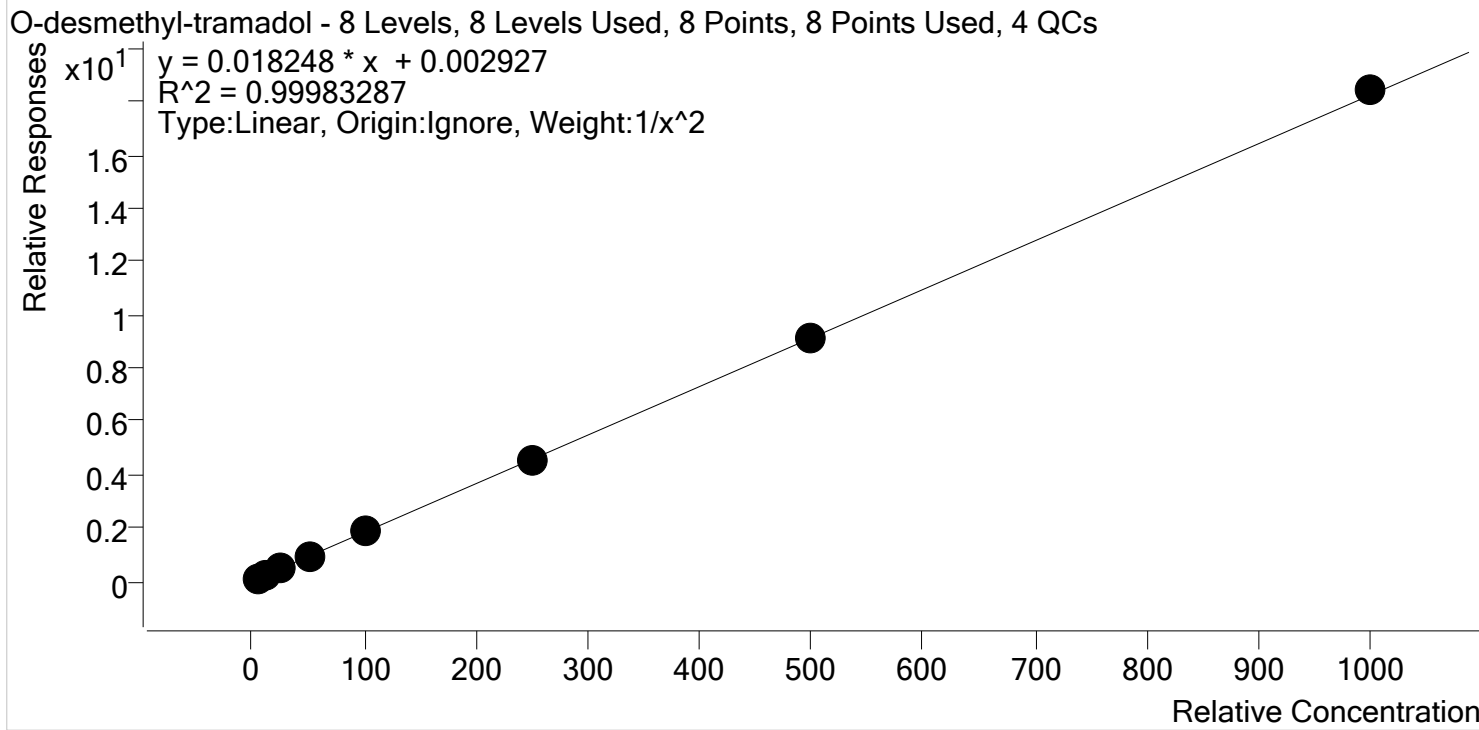


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.4
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.0
p1 Cal 3 -25ng	3	✓	25.0	26.5	105.8
p1 Cal 4-50ng	4	✓	50.0	53.8	107.7
p1 Cal 5-100ng	5	✓	100.0	104.7	104.7
p1 Cal 6-250ng	6	✓	250.0	253.7	101.5
p1 Cal 7-500ng	7	✓	500.0	487.5	97.5
p1 Cal 8-1000ng	8	✓	1000.0	843.9	84.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Last Cal. Update 11/9/2020 11:43 AM
Analyst Name ISP\datastor
Analyte O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6



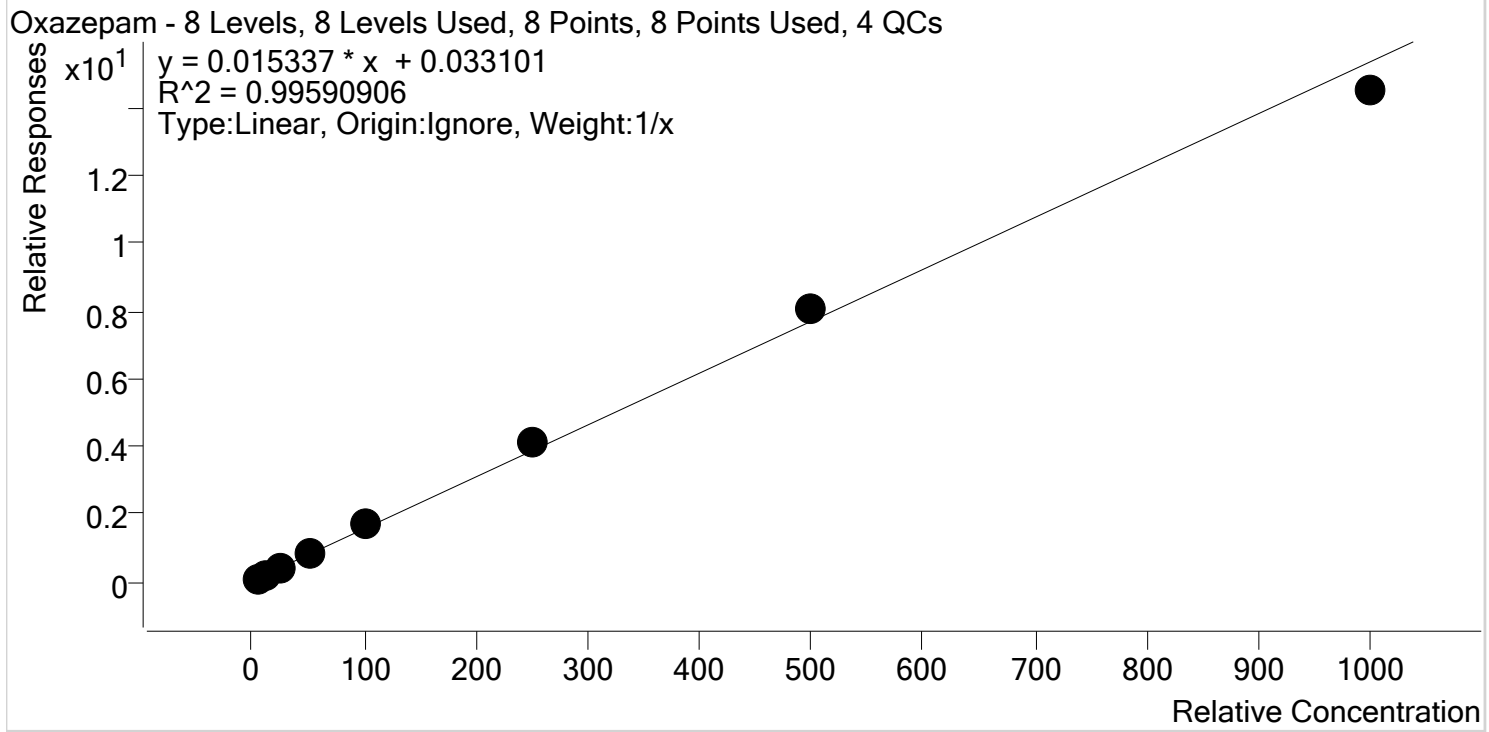
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.1
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.2
p1 Cal 3 -25ng	3	✓	25.0	24.5	97.9
p1 Cal 4-50ng	4	✓	50.0	50.9	101.7
p1 Cal 5-100ng	5	✓	100.0	99.9	99.9
p1 Cal 6-250ng	6	✓	250.0	248.5	99.4
p1 Cal 7-500ng	7	✓	500.0	498.4	99.7
p1 Cal 8-1000ng	8	✓	1000.0	1010.2	101.0

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Last Cal. Update 11/9/2020 11:43 AM
Analyst Name ISP\datastor
Analyte Oxazepam **Internal Standard** Oxazepam-D5



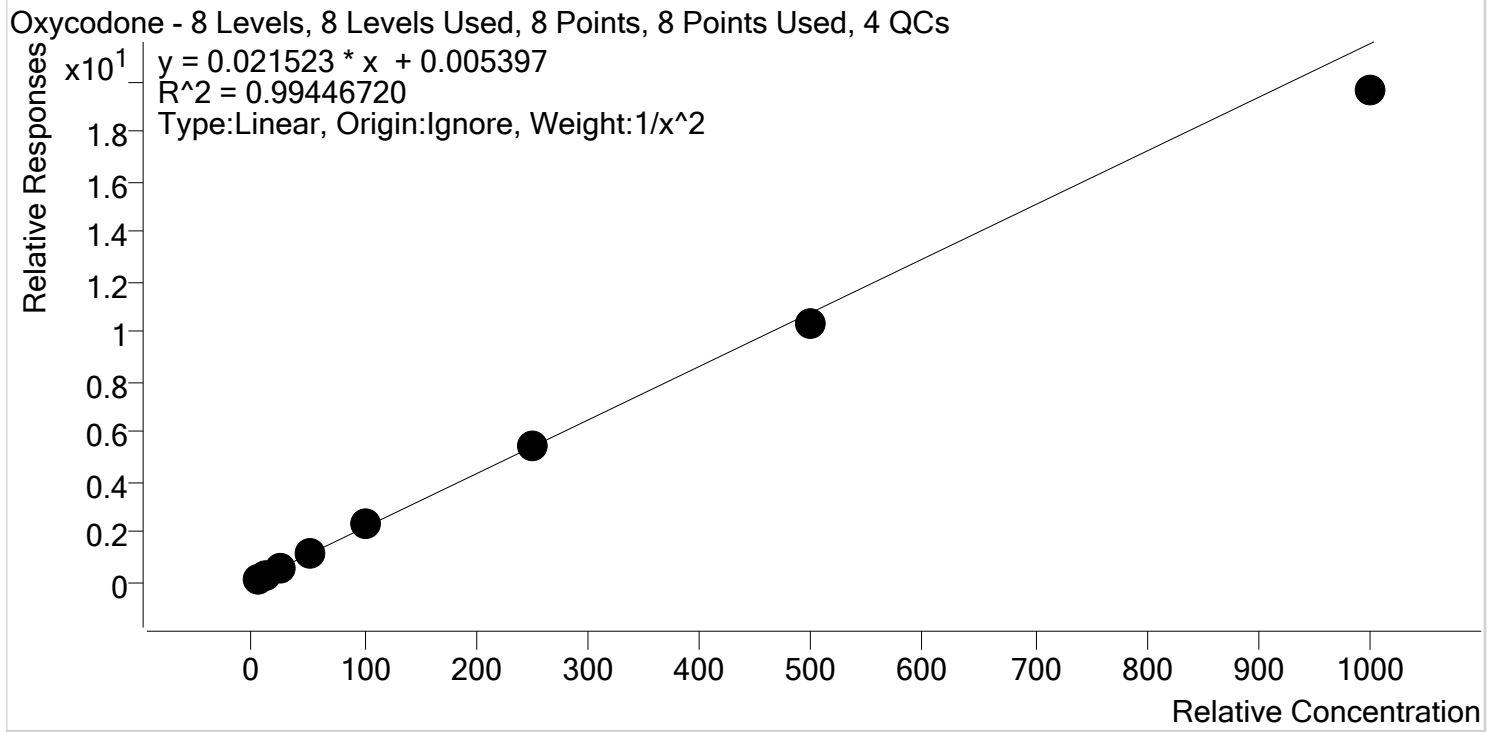
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	3.7	75.0
p1 Cal 2- 10ng	2	✓	10.0	9.5	95.1
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.5
p1 Cal 4-50ng	4	✓	50.0	55.3	110.6
p1 Cal 5-100ng	5	✓	100.0	109.6	109.6
p1 Cal 6-250ng	6	✓	250.0	267.1	106.8
p1 Cal 7-500ng	7	✓	500.0	524.2	104.8
p1 Cal 8-1000ng	8	✓	1000.0	944.6	94.5

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Last Cal. Update 11/9/2020 11:43 AM
Analyst Name ISP\datastor
Analyte Oxycodone **Internal Standard** Oxycodone-D6



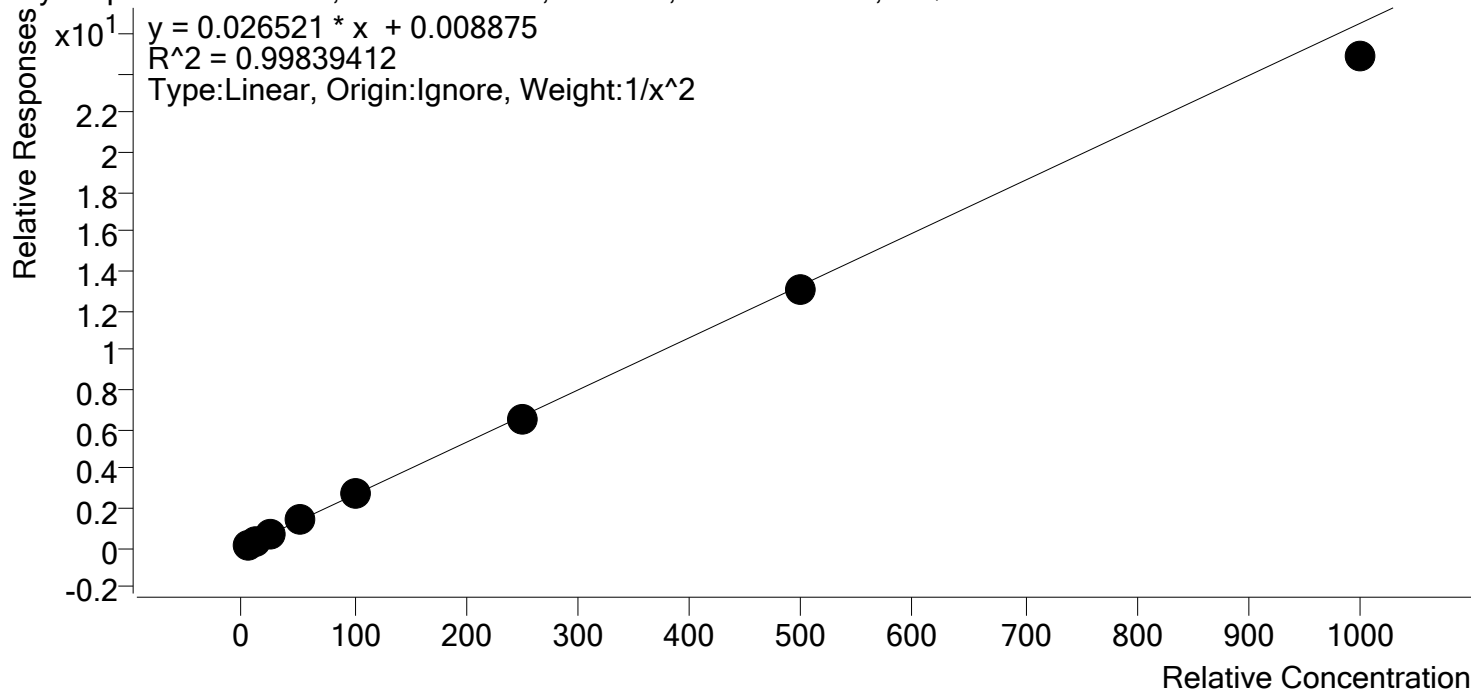
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.7
p1 Cal 2- 10ng	2	✓	10.0	9.1	90.6
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.7
p1 Cal 4-50ng	4	✓	50.0	53.5	107.1
p1 Cal 5-100ng	5	✓	100.0	105.1	105.1
p1 Cal 6-250ng	6	✓	250.0	252.8	101.1
p1 Cal 7-500ng	7	✓	500.0	482.6	96.5
p1 Cal 8-1000ng	8	✓	1000.0	912.7	91.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Last Cal. Update 11/9/2020 11:43 AM
Analyst Name ISP\datastor
Analyte Oxymorphone **Internal Standard** Oxymorphone-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.8
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.5
p1 Cal 3 -25ng	3	✓	25.0	25.7	102.7
p1 Cal 4-50ng	4	✓	50.0	52.2	104.4
p1 Cal 5-100ng	5	✓	100.0	101.7	101.7
p1 Cal 6-250ng	6	✓	250.0	247.5	99.0
p1 Cal 7-500ng	7	✓	500.0	491.5	98.3
p1 Cal 8-1000ng	8	✓	1000.0	936.4	93.6

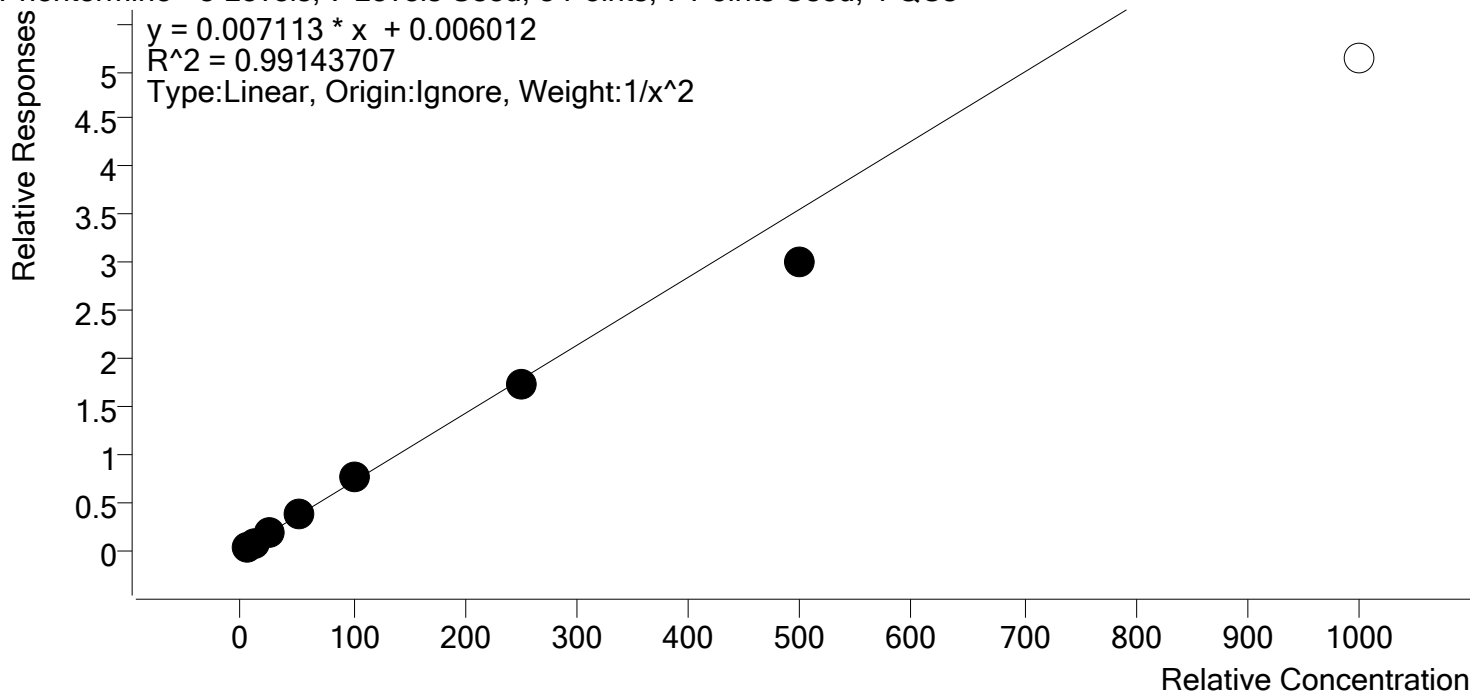
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Last Cal. Update 11/9/2020 11:43 AM
Analyst Name ISP\datastor
Analyte Phentermine **Internal Standard** Phentermine-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.2
p1 Cal 2- 10ng	2	✓	10.0	10.4	103.8
p1 Cal 3 -25ng	3	✓	25.0	26.6	106.3
p1 Cal 4-50ng	4	✓	50.0	52.6	105.1
p1 Cal 5-100ng	5	✓	100.0	105.8	105.8
p1 Cal 6-250ng	6	✓	250.0	245.7	98.3
p1 Cal 7-500ng	7	✓	500.0	422.6	84.5
p1 Cal 8-1000ng	8	x	1000.0	720.3	72.0

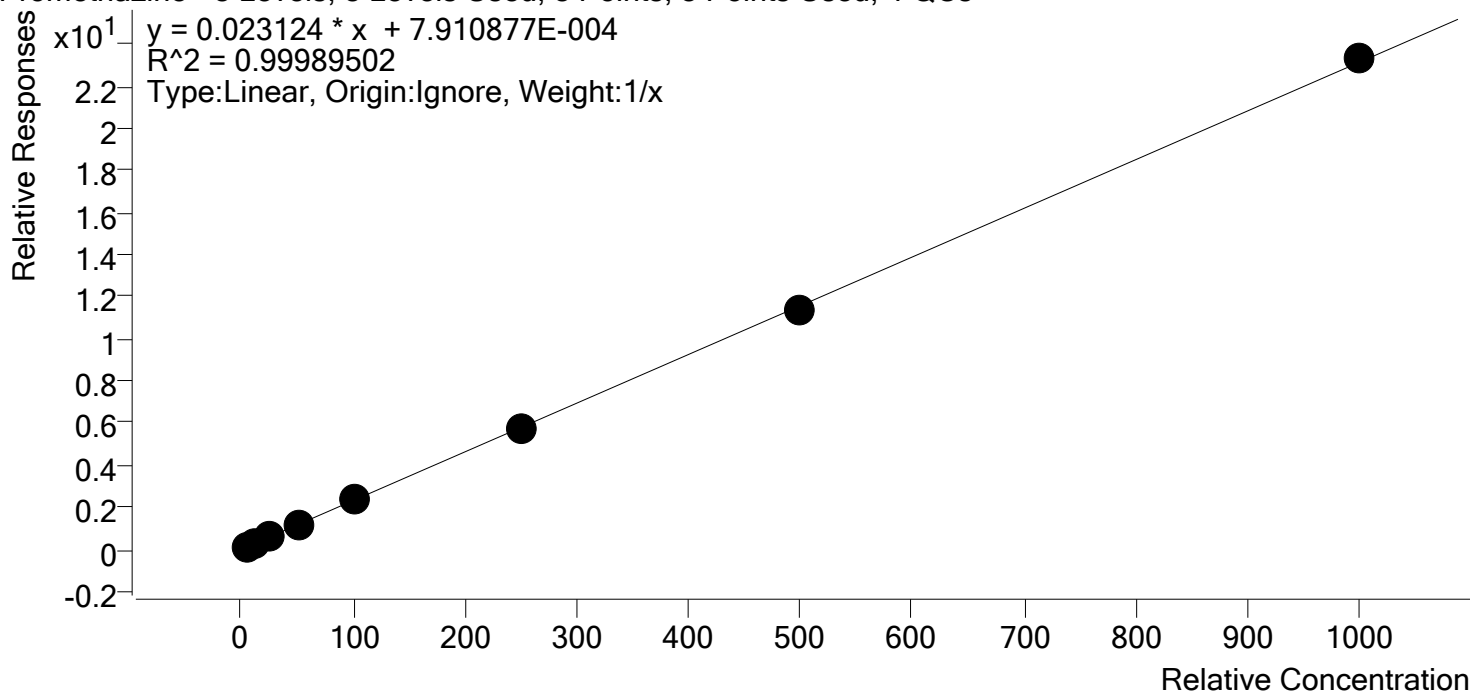
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Last Cal. Update 11/9/2020 11:43 AM
Analyst Name ISP\datastor
Analyte Promethazine **Internal Standard** Promethazine-D3

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



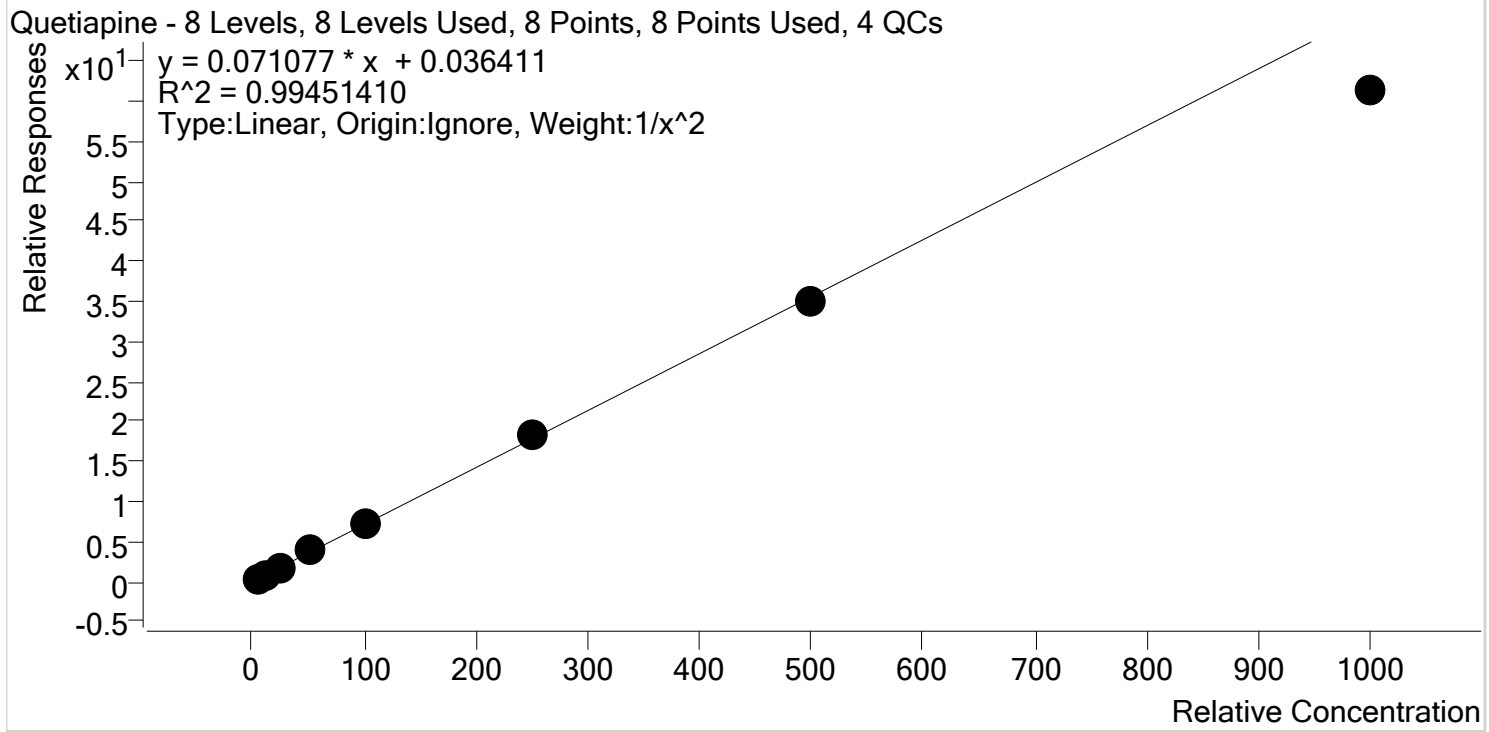
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.4
p1 Cal 2- 10ng	2	✓	10.0	9.9	98.6
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.5
p1 Cal 4-50ng	4	✓	50.0	50.8	101.5
p1 Cal 5-100ng	5	✓	100.0	100.4	100.4
p1 Cal 6-250ng	6	✓	250.0	247.5	99.0
p1 Cal 7-500ng	7	✓	500.0	494.3	98.9
p1 Cal 8-1000ng	8	✓	1000.0	1007.7	100.8

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Last Cal. Update 11/9/2020 11:43 AM
Analyst Name ISP\datastor
Analyte Quetiapine **Internal Standard** Quetiapine-D8



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.5
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.3
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.4
p1 Cal 4-50ng	4	✓	50.0	53.8	107.6
p1 Cal 5-100ng	5	✓	100.0	104.0	104.0
p1 Cal 6-250ng	6	✓	250.0	255.2	102.1
p1 Cal 7-500ng	7	✓	500.0	489.9	98.0
p1 Cal 8-1000ng	8	✓	1000.0	861.8	86.2

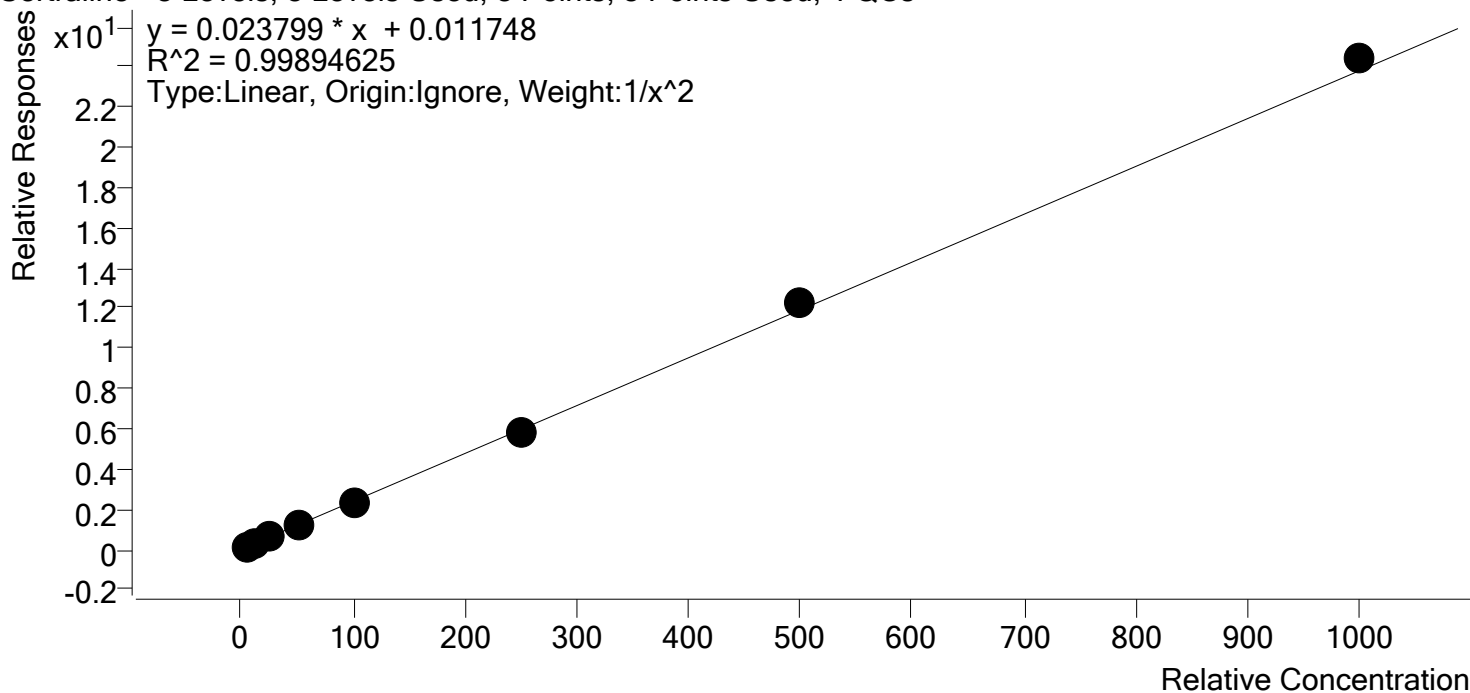
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Last Cal. Update 11/9/2020 11:43 AM
Analyst Name ISP\datastor
Analyte Sertraline **Internal Standard** Sertraline-D3

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



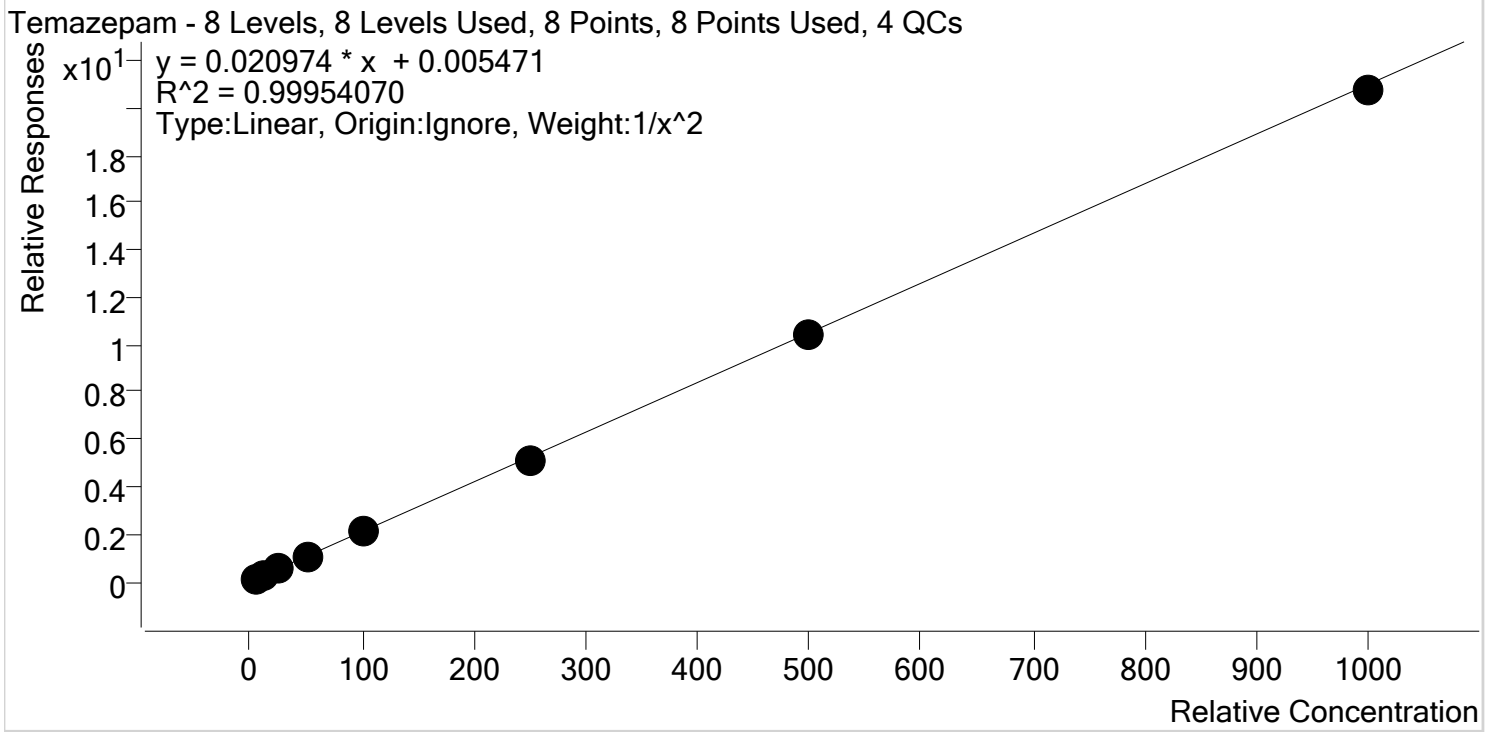
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.6
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.2
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.3
p1 Cal 4-50ng	4	✓	50.0	51.1	102.1
p1 Cal 5-100ng	5	✓	100.0	94.7	94.7
p1 Cal 6-250ng	6	✓	250.0	244.1	97.6
p1 Cal 7-500ng	7	✓	500.0	514.4	102.9
p1 Cal 8-1000ng	8	✓	1000.0	1025.6	102.6

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Last Cal. Update 11/9/2020 11:43 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	99.7
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.7
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.7
p1 Cal 4-50ng	4	✓	50.0	51.5	103.1
p1 Cal 5-100ng	5	✓	100.0	102.2	102.2
p1 Cal 6-250ng	6	✓	250.0	246.2	98.5
p1 Cal 7-500ng	7	✓	500.0	496.7	99.3
p1 Cal 8-1000ng	8	✓	1000.0	987.6	98.8

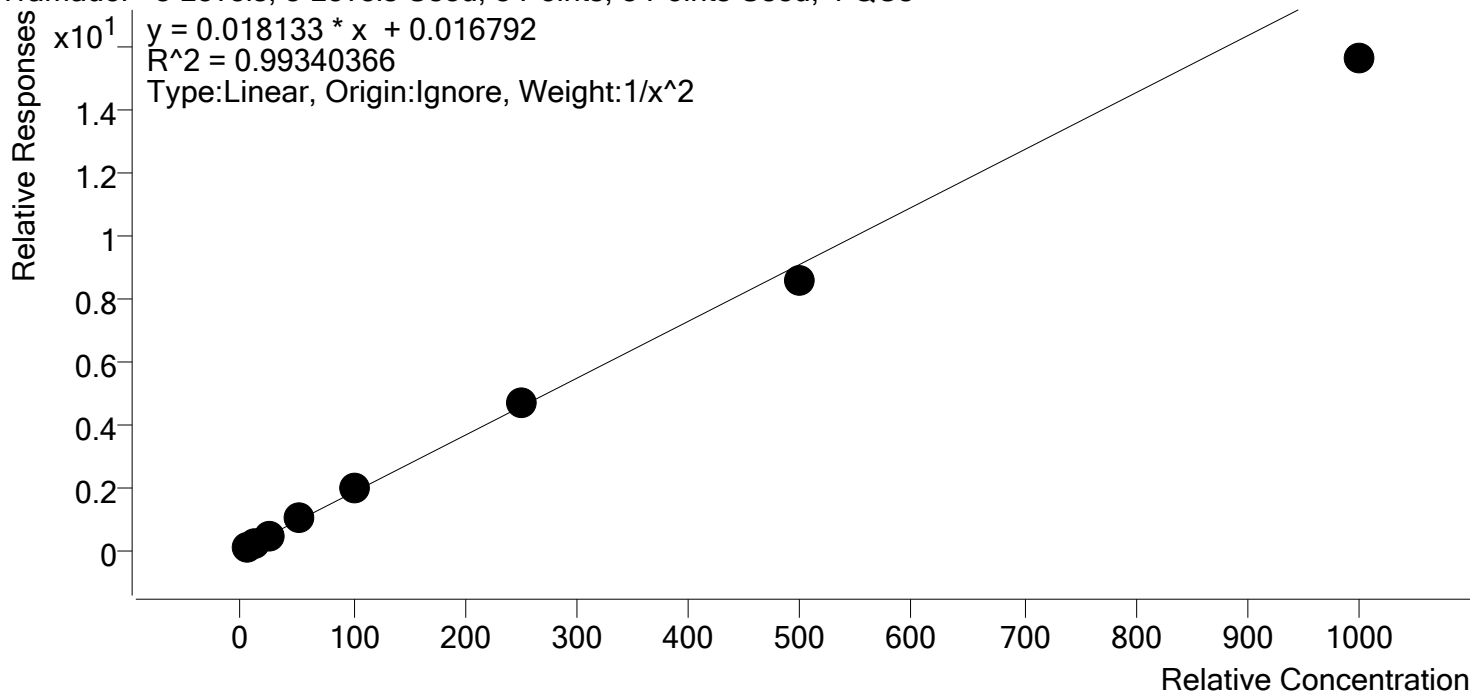
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Last Cal. Update 11/9/2020 11:43 AM
Analyst Name ISP\datastor
Analyte Tramadol **Internal Standard** Tramadol-13C-D3

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



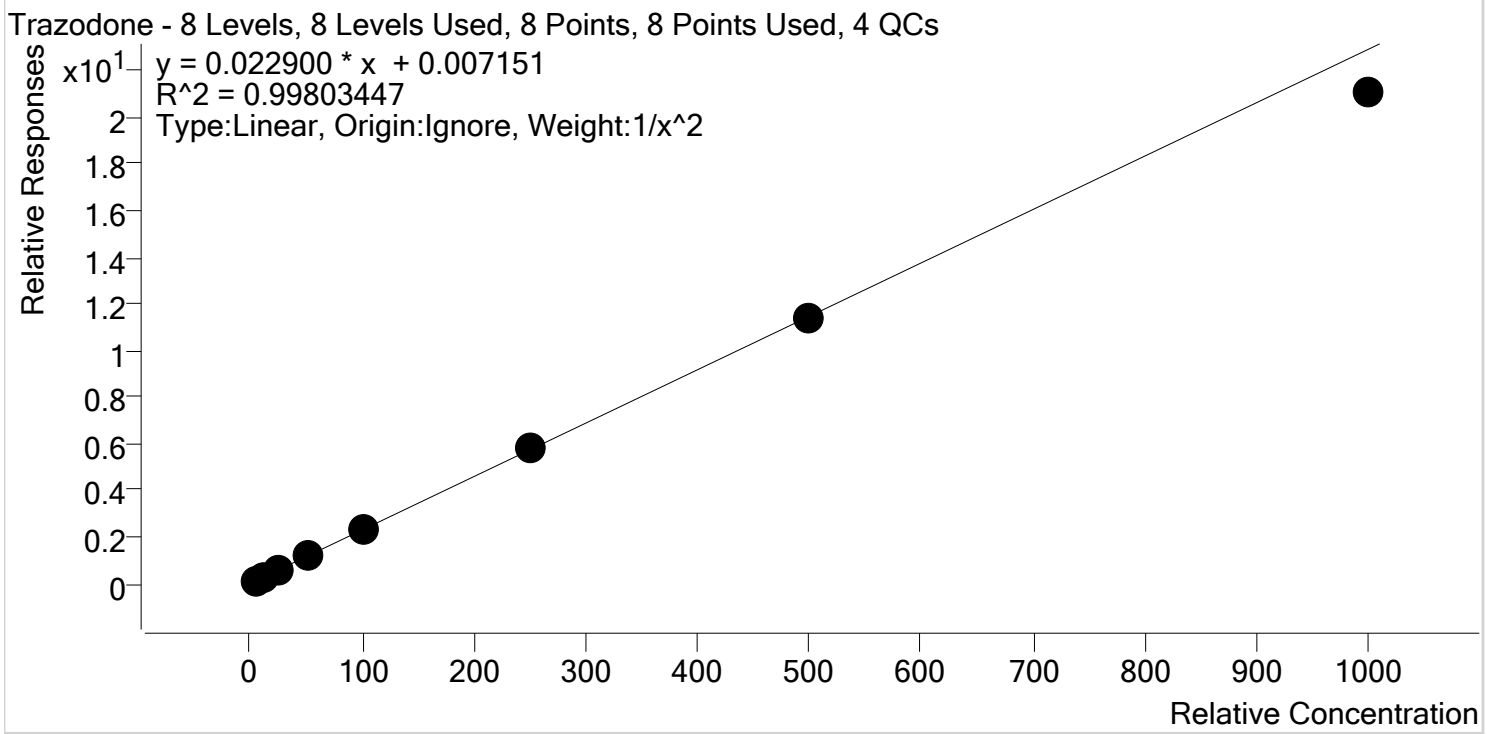
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.0
p1 Cal 2- 10ng	2	✓	10.0	10.3	102.5
p1 Cal 3 -25ng	3	✓	25.0	26.0	103.8
p1 Cal 4-50ng	4	✓	50.0	53.7	107.4
p1 Cal 5-100ng	5	✓	100.0	104.9	104.9
p1 Cal 6-250ng	6	✓	250.0	259.5	103.8
p1 Cal 7-500ng	7	✓	500.0	472.2	94.4
p1 Cal 8-1000ng	8	✓	1000.0	860.1	86.0

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Last Cal. Update 11/9/2020 11:43 AM
Analyst Name ISP\datastor
Analyte Trazodone **Internal Standard** Trazodone-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.4
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.8
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.9
p1 Cal 4-50ng	4	✓	50.0	52.6	105.3
p1 Cal 5-100ng	5	✓	100.0	101.4	101.4
p1 Cal 6-250ng	6	✓	250.0	252.6	101.0
p1 Cal 7-500ng	7	✓	500.0	496.6	99.3
p1 Cal 8-1000ng	8	✓	1000.0	919.0	91.9

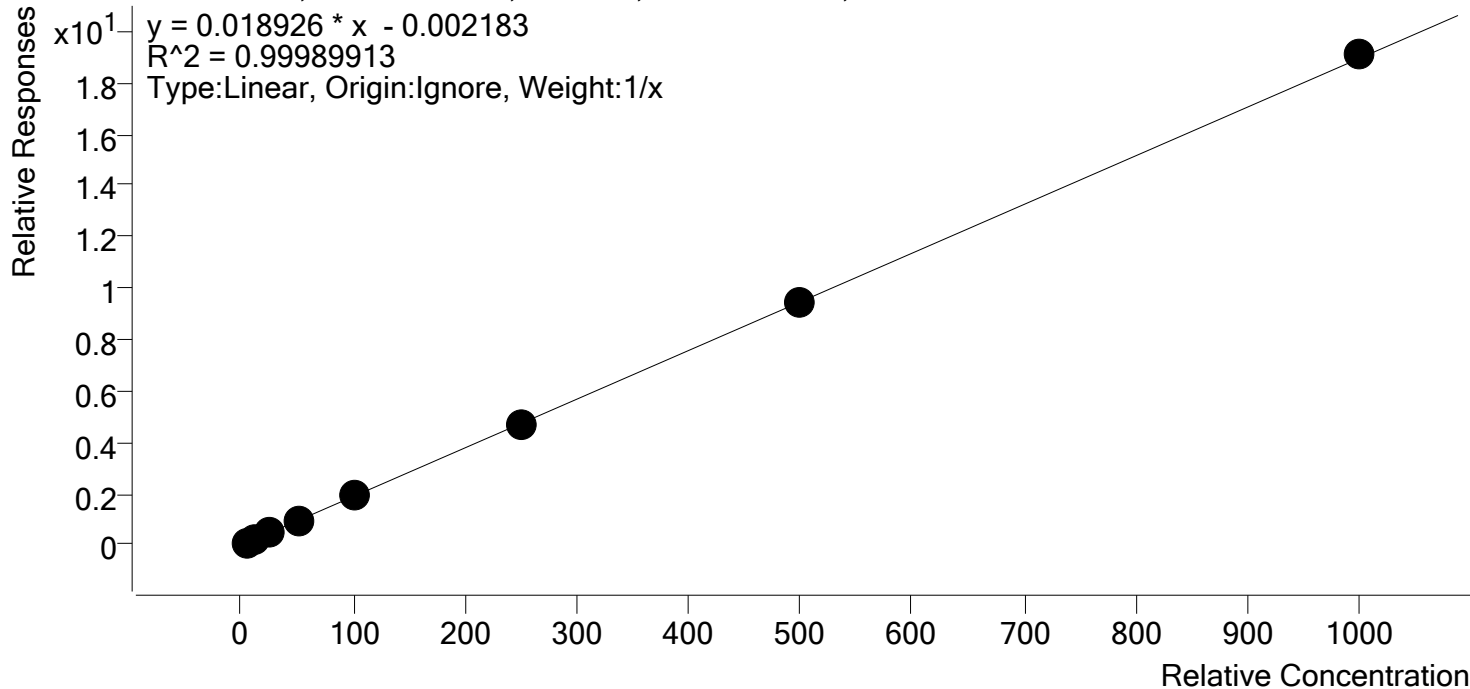
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Last Cal. Update 11/9/2020 11:43 AM
Analyst Name ISP\datastor
Analyte Venlafaxine **Internal Standard** Venlafaxine-D6

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



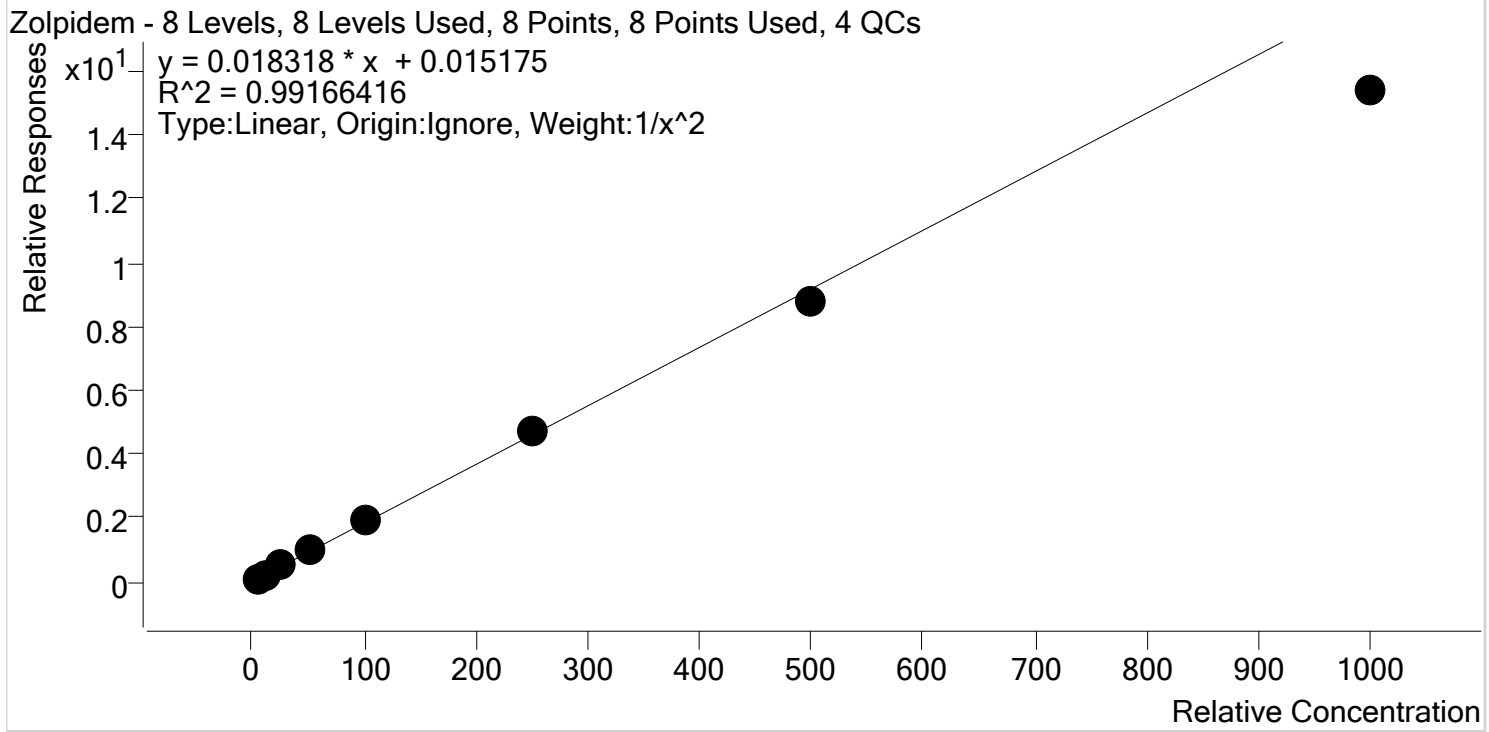
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.4
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.0
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.3
p1 Cal 4-50ng	4	✓	50.0	49.8	99.6
p1 Cal 5-100ng	5	✓	100.0	100.1	100.1
p1 Cal 6-250ng	6	✓	250.0	246.1	98.4
p1 Cal 7-500ng	7	✓	500.0	496.4	99.3
p1 Cal 8-1000ng	8	✓	1000.0	1008.0	100.8

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Last Cal. Update 11/9/2020 11:43 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	4.8	96.9
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.2
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.5
p1 Cal 4-50ng	4	✓	50.0	54.7	109.3
p1 Cal 5-100ng	5	✓	100.0	105.6	105.6
p1 Cal 6-250ng	6	✓	250.0	256.4	102.5
p1 Cal 7-500ng	7	✓	500.0	475.7	95.1
p1 Cal 8-1000ng	8	✓	1000.0	838.6	83.9

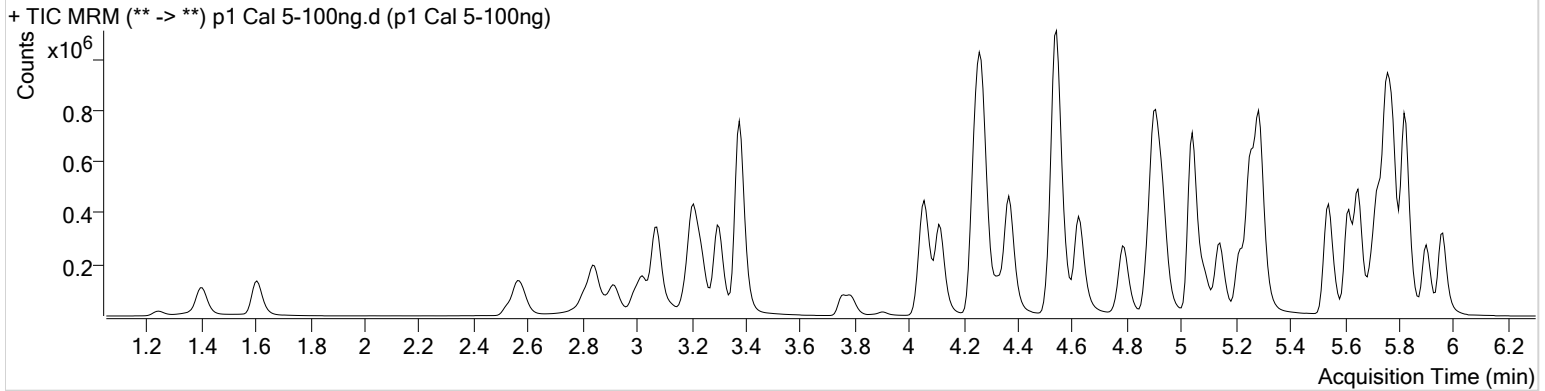
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Calibration Last Update 11/9/2020 11:43:25 AM

Instrument	Falco	Data File	p1 Cal 5-100ng.d
Type	Cal	Sample	p1 Cal 5-100ng
Acq. Method	MDQ P1 060520.m	Operator	Sarah Pickle
Sample Position	P2-D12	Comment	
Injection Volume	2		
Acq. Date-Time	11/5/2020 7:50:14 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.139	13641	5795.40	74.8	895.18	32846	10.0012 ng/ml
7-aminoclonazepam	4.277	205089	44641.81	84.4	∞	76882	95.4473 ng/ml
a-hydroxyalprazolam	5.701	115415	∞	64.3	915.84	33556	104.0573 ng/ml
alpha-PHP	4.935	144783	4118.85	260.3	30864.92	258685	105.4686 ng/ml
alpha-PVP	4.369	592049	60816.76	51.6	10199.62	258685	101.1224 ng/ml
Alprazolam	5.778	413213	4059.64	107.7	∞	127668	101.5566 ng/ml
Amphetamine	3.078	575917	20592.97	52.4	11158.56	75851	107.7974 ng/ml
Benzoylcegonine	3.905	20132	18711.58	7.7	634.70	7578	90.3380 ng/ml
Buprenorphine	5.796	6810	∞	17.7	5407.89	26126	10.0685 ng/ml
Bupropion	4.793	389174	59001.28	57.9	38415.12	139659	100.1717 ng/ml
Carisoprodol	5.727	421464	1596929.39	55.4	6233.34	209864	101.9683 ng/ml
Citalopram	5.217	293636	687.10	42.2	9788.15	133730	100.6253 ng/ml
Clonazepam	5.615	478910	71278.82	33.4	22227.80	62003	101.9833 ng/ml
Cocaine	4.263	575174	31164.44	46.7	∞	445531	100.5009 ng/ml
Codeine	2.583	65670	9710.83	104.2	4200.46	31781	105.2348 ng/ml
Cyclobenzaprine	5.619	142679	56834.38	10.1	816.93	59304	102.1855 ng/ml
Dextromethorphan	5.260	154343	9441.84	81.4	16964.39	74885	98.0273 ng/ml
Dextrophan	4.117	185042	9314.38	209.8	1825.64	221169	99.5447 ng/ml
Diazepam	5.963	297472	6198.69	87.4	∞	141005	103.5517 ng/ml
Dihydrocodeine	2.562	171026	5195.15	64.8	57988.87	95615	104.3446 ng/ml
Diphenhydramine	5.294	801411	37956.90	32.9	16130.60	486857	99.9960 ng/ml
Doxylamine	4.541	1390888	515768.45	99.6	348252.11	620017	102.5189 ng/ml
EDDP	5.259	564570	83485.60	42.1	89826.23	301595	98.6114 ng/ml
Fentanyl	5.100	19497	230.91	75.5	∞	90395	10.2018 ng/ml
Fluoxetine	5.703	124090	13384.04	8.4	7744.31	47396	106.2122 ng/ml
Hydrocodone	3.020	236172	280.15	37.8	∞	149574	103.5400 ng/ml
Hydromorphone	1.608	196388	1968.44	75.5	2426.38	61535	102.3257 ng/ml
Ketamine	4.050	472521	88278.06	38.7	811.07	217629	105.9269 ng/ml
Lamotrigine	4.286	42848	4946.94	79.5	11086.08	217629	103.4113 ng/ml
Lorazepam	5.749	341588	∞	56.0	10624.66	62003	95.6954 ng/ml
MDA	3.211	665305	32433.73	23.3	1248.07	183727	105.2245 ng/ml
MDMA	3.298	506546	204152.12	67.7	∞	52013	102.2551 ng/ml
Meprobamate	4.930	252821	65955.75	27.5	5701.02	116236	105.9948 ng/ml

AM #28 Multi-Drug Quant. Results

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Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.649	468711	25391.79	51.3	1466.55	222692	101.3968 ng/ml
Methamphetamine	3.239	291167	5712.91	39.1	2605.59	137473	103.6242 ng/ml
Metoprolol	4.332	119506	259694.64	92.1	15530.10	620477	102.3960 ng/ml
Mirtazapine	4.623	612211	65193.67	51.1	85944.92	258685	111.0571 ng/ml
Mitragynine	5.228	79161	5938.70	37.7	7402.65	222692	112.9741 ng/ml
Morphine	1.246	34888	1480.00	34.1	186.01	4775	103.8039 ng/ml
Norbuprenorphine	4.991	931	127.02	93.8	2227.75	4131	10.5462 ng/ml
Nordiazepam	5.903	301917	∞	58.1	30977.04	98703	103.3036 ng/ml
Norfentanyl	4.085	94925	13226.78	34.0	793.02	407715	9.4129 ng/ml
Norhydrocodone	3.068	31032	532.93	41.2	312.78	33379	95.3297 ng/ml
Noroxycodone	2.918	214197	2409.94	48.6	3177.29	79382	104.7296 ng/ml
O-desmethyl-tramadol	3.377	1177676	∞	6.6	1503.15	645204	99.8644 ng/ml
Oxazepam	5.759	478941	27824.48	71.8	3357.92	279319	109.6437 ng/ml
Oxycodone	2.843	439551	5632.14	31.4	2102.76	193915	105.0628 ng/ml
Oxymorphone	1.403	202416	853.96	47.2	899.84	74788	101.7182 ng/ml
Phentermine	3.790	148652	∞	3.7	984.01	195964	105.7960 ng/ml
Promethazine	5.536	311208	1176.80	29.5	6748.11	133971	100.4203 ng/ml
Quetiapine	5.546	346118	∞	58.3	29692.88	46597	103.9939 ng/ml
Sertraline	5.779	48151	3106.78	82.0	772.86	21264	94.6526 ng/ml
Temazepam	5.826	924351	58577.91	29.6	∞	430165	102.1892 ng/ml
Tramadol	4.245	1190966	55967.09	3.6	411.00	620477	104.9262 ng/ml
Trazodone	5.141	392799	73211.69	76.9	50950.04	168564	101.4450 ng/ml
Venlafaxine	5.041	935632	2190.61	37.4	1422.73	494454	100.0972 ng/ml
Zolpidem	4.906	1194155	∞	31.2	1181.59	612637	105.5792 ng/ml

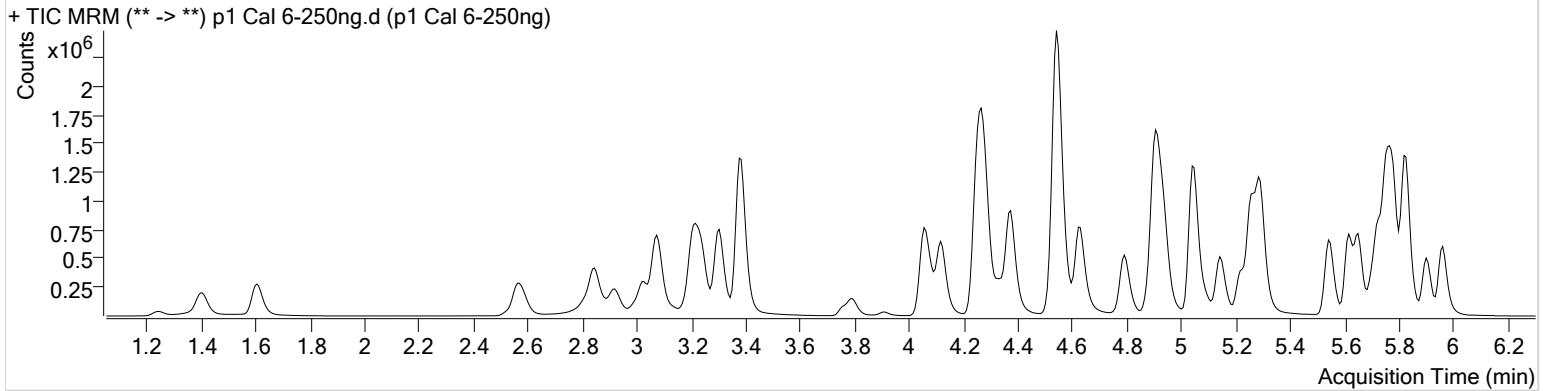
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Calibration Last Update 11/9/2020 11:43:25 AM

Instrument	Falco	Data File	p1 Cal 6-250ng.d
Type	Cal	Sample	p1 Cal 6-250ng
Acq. Method	MDQ P1 060520.m	Operator	Sarah Pickle
Sample Position	P2-C12	Comment	
Injection Volume	2		
Acq. Date-Time	11/5/2020 8:00:50 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.139	33992	1721.96	72.9	3659.38	32841	25.0550 ng/ml
7-aminoclonazepam	4.284	422869	25816.88	81.6	26102.31	60244	250.6599 ng/ml
a-hydroxyalprazolam	5.701	253058	5471.20	63.1	2100.37	30169	254.5526 ng/ml
alpha-PHP	4.942	308012	56953.83	260.6	6485.62	241375	241.1837 ng/ml
alpha-PVP	4.376	1349014	113071.96	51.2	297479.88	241375	247.2528 ng/ml
Alprazolam	5.778	887369	967.52	105.4	∞	111747	248.6658 ng/ml
Amphetamine	3.078	1227101	207383.36	51.9	33546.16	69630	251.9957 ng/ml
Benzoylecgonine	3.905	52323	9359.04	7.6	745.93	7687	229.6834 ng/ml
Buprenorphine	5.796	10296	589.07	17.1	5255.40	15462	25.6831 ng/ml
Bupropion	4.793	816063	142932.04	58.6	869.40	119398	246.1136 ng/ml
Carisoprodol	5.727	858221	591341.50	55.4	∞	176109	247.7673 ng/ml
Citalopram	5.217	527584	22931.63	42.3	28803.02	96948	249.5032 ng/ml
Clonazepam	5.615	1023523	135041.70	34.2	334411.34	54827	247.4183 ng/ml
Cocaine	4.270	1242442	36847.24	46.5	60435.11	385488	251.2701 ng/ml
Codeine	2.583	140042	5631.02	106.5	11513.93	28658	249.7374 ng/ml
Cyclobenzaprine	5.619	156615	621.38	10.1	∞	27209	244.3861 ng/ml
Dextromethorphan	5.266	242873	512.30	78.6	18803.31	45212	255.8429 ng/ml
Dextrorphan	4.117	409590	2303.01	211.1	64815.19	199112	244.9587 ng/ml
Diazepam	5.963	646111	8705.94	87.8	∞	127037	250.2789 ng/ml
Dihydrocodeine	2.562	389143	2817.22	64.4	2404.59	95172	239.8259 ng/ml
Diphenhydramine	5.294	1449479	132144.64	33.1	1012.23	360313	244.3197 ng/ml
Doxylamine	4.541	3282962	676661.05	99.1	210192.64	596028	252.2259 ng/ml
EDDP	5.259	1221174	80989.19	42.1	515.64	255525	251.9966 ng/ml
Fentanyl	5.100	25451	16194.56	76.3	∞	49584	24.3111 ng/ml
Fluoxetine	5.703	113163	15803.40	9.3	1552.09	18707	246.3916 ng/ml
Hydrocodone	3.027	542625	∞	37.5	∞	144162	248.5685 ng/ml
Hydromorphone	1.608	440555	2553.30	74.9	1371.43	56128	252.4180 ng/ml
Ketamine	4.058	1097118	2367.51	39.1	12634.47	215606	249.1608 ng/ml
Lamotrigine	4.293	86770	5867.20	82.4	9961.17	215606	212.5981 ng/ml
Lorazepam	5.749	563411	6109.74	56.7	23965.97	54827	179.9226 ng/ml
MDA	3.211	1328541	13412.63	23.0	11381.78	160993	240.9103 ng/ml
MDMA	3.304	1129970	127274.43	67.7	∞	46797	254.0272 ng/ml
Meprobamate	4.936	454986	∞	27.6	24206.82	90747	245.2800 ng/ml

AM #28 Multi-Drug Quant. Results

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Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.650	755043	30679.43	51.5	46599.72	148347	245.4067 ng/ml
Methamphetamine	3.245	784460	2924.56	39.4	1391.01	154331	251.7477 ng/ml
Metoprolol	4.332	267292	61054.28	92.4	∞	554312	257.4757 ng/ml
Mirtazapine	4.629	1236846	11663.65	50.8	106665.94	241375	240.5546 ng/ml
Mitragynine	5.228	113973	24216.71	39.0	6144.98	148347	244.9299 ng/ml
Morphine	1.246	79965	4512.84	33.9	2586.99	4524	251.9709 ng/ml
Norbuprenorphine	4.991	1477	357.01	100.3	269.68	3037	22.9285 ng/ml
Nordiazepam	5.903	645368	2688.89	58.4	5001.16	86603	252.1830 ng/ml
Norfentanyl	4.092	229045	2501.45	34.4	288.31	382612	24.1058 ng/ml
Norhydrocodone	3.068	62603	143.38	41.1	187.14	26377	242.9558 ng/ml
Noroxycodone	2.918	465382	4404.88	46.7	2119.99	71423	253.7337 ng/ml
O-desmethyl-tramadol	3.383	2753258	249422.20	6.5	∞	606665	248.5403 ng/ml
Oxazepam	5.759	864094	46217.11	70.1	25010.13	209275	267.0650 ng/ml
Oxycodone	2.843	1040295	12867.27	31.4	4231.20	190983	252.8247 ng/ml
Oxymorphone	1.403	444784	∞	47.4	660.91	67668	247.5065 ng/ml
Phentermine	3.797	339818	7675.23	3.7	2948.83	193767	245.7000 ng/ml
Promethazine	5.536	356265	1709.29	30.0	2107.57	62251	247.4559 ng/ml
Quetiapine	5.546	693117	91352.95	58.3	∞	38139	255.1774 ng/ml
Sertraline	5.779	42010	5753.85	94.1	13791.32	7217	244.0888 ng/ml
Temazepam	5.826	2033827	87416.44	29.6	3594.75	393391	246.2295 ng/ml
Tramadol	4.252	2617850	196540.49	3.6	4591.95	554312	259.5196 ng/ml
Trazodone	5.141	729046	∞	76.4	672.10	125898	252.5571 ng/ml
Venlafaxine	5.041	2112491	27890.40	37.6	12504.95	453840	246.0586 ng/ml
Zolpidem	4.906	2795051	6213.49	31.1	3125.34	593292	256.3510 ng/ml

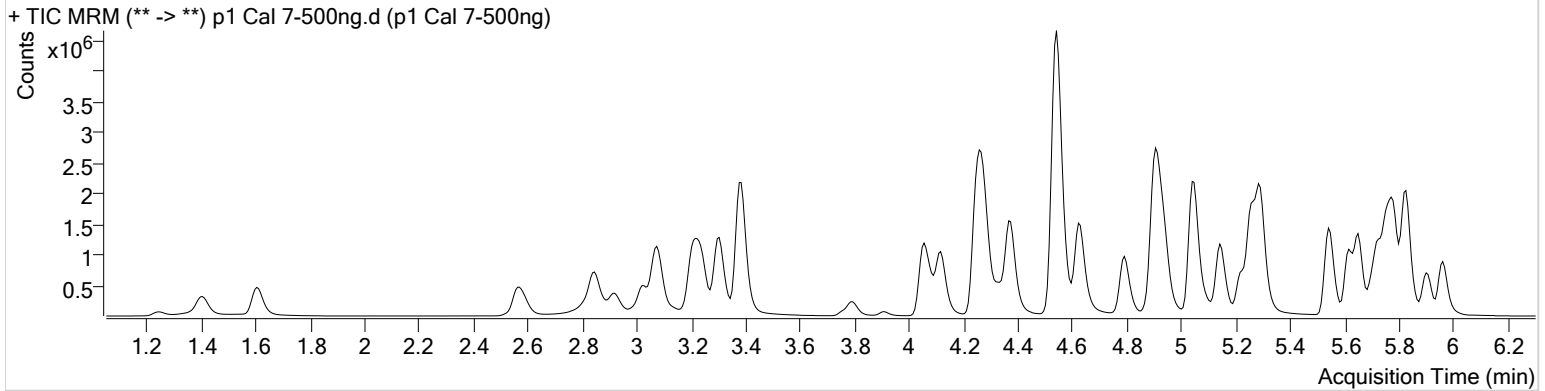
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Calibration Last Update 11/9/2020 11:43:25 AM

Instrument	Falco	Data File	p1 Cal 7-500ng.d
Type	Cal	Sample	p1 Cal 7-500ng
Acq. Method	MDQ P1 060520.m	Operator	Sarah Pickle
Sample Position	P2-B12	Comment	
Injection Volume	2		
Acq. Date-Time	11/5/2020 8:11:26 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.139	67981	5741.20	72.9	8417.75	32655	50.4812 ng/ml
7-aminoclonazepam	4.284	624661	22522.38	83.5	10586.49	42051	530.1423 ng/ml
a-hydroxyalprazolam	5.701	395545	1577.29	62.8	1456.04	25000	480.6218 ng/ml
alpha-PHP	4.942	553045	18238.42	260.9	9037.44	221908	471.5776 ng/ml
alpha-PVP	4.376	2453737	162339.94	51.5	78927.92	221908	489.3997 ng/ml
Alprazolam	5.778	1437554	∞	105.0	2145.99	88167	510.2230 ng/ml
Amphetamine	3.078	2106422	243.86	51.9	∞	65366	461.9076 ng/ml
Benzoylecgonine	3.905	110560	2022.60	7.7	24040.29	7842	474.4789 ng/ml
Buprenorphine	5.796	17283	4384.80	16.1	8454.76	13812	48.2401 ng/ml
Bupropion	4.793	1561068	140221.70	57.4	29498.42	113475	495.6637 ng/ml
Carisoprodol	5.727	1311916	3473.51	54.7	1073.93	135767	491.5194 ng/ml
Citalopram	5.217	1014424	1155.77	42.0	2128.99	91626	507.6823 ng/ml
Clonazepam	5.615	1535489	525873.54	33.9	62848.87	44814	454.6505 ng/ml
Cocaine	4.270	2115991	165459.36	46.0	355332.90	327163	504.4694 ng/ml
Codeine	2.590	242108	4504.79	100.6	17723.39	25865	478.9610 ng/ml
Cyclobenzaprine	5.619	429656	1433.18	10.0	2558.54	36165	504.3398 ng/ml
Dextromethorphan	5.266	464901	19239.23	78.5	10446.63	44321	499.7759 ng/ml
Dextrophan	4.117	737232	36288.10	211.7	∞	174497	503.2556 ng/ml
Diazepam	5.963	1045539	837.59	88.0	∞	105667	487.3368 ng/ml
Dihydrocodeine	2.562	684032	520.98	65.7	825.38	94772	424.1167 ng/ml
Diphenhydramine	5.294	2861085	145785.60	33.1	1950.19	345626	502.7061 ng/ml
Doxylamine	4.541	6490914	161902.55	95.5	388601.98	596663	498.4976 ng/ml
EDDP	5.259	2294656	33615.93	42.5	445105.81	240482	503.2909 ng/ml
Fentanyl	5.100	63728	669.67	74.3	111672.42	60646	49.7937 ng/ml
Fluoxetine	5.703	366693	80556.97	9.2	17739.39	29955	499.3639 ng/ml
Hydrocodone	3.020	973469	1967.59	38.7	872.97	139056	463.3892 ng/ml
Hydromorphone	1.608	789859	1693.41	75.4	∞	51483	493.8791 ng/ml
Ketamine	4.058	2001794	155137.59	38.6	21625.53	204196	480.6448 ng/ml
Lamotrigine	4.293	132924	4263.74	82.3	5070.85	204196	344.5992 ng/ml
Lorazepam	5.749	630748	∞	56.9	914.54	44814	247.0356 ng/ml
MDA	3.211	2110290	771.05	23.1	621.05	145651	423.6362 ng/ml
MDMA	3.304	1988883	196745.07	67.7	∞	42952	487.4592 ng/ml
Meprobamate	4.936	625858	58717.07	27.9	41917.69	66371	461.9518 ng/ml

AM #28 Multi-Drug Quant. Results

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Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.650	1559071	1806.47	51.8	31857.66	150840	498.5139 ng/ml
Methamphetamine	3.239	1411777	36301.73	39.2	34889.26	144128	487.1627 ng/ml
Metoprolol	4.332	472838	708866.03	91.5	∞	510217	495.5209 ng/ml
Mirtazapine	4.623	2487171	10741.64	51.0	80332.08	221908	526.2661 ng/ml
Mitragynine	5.228	220567	11961.68	38.5	48982.98	150840	466.7576 ng/ml
Morphine	1.246	141951	1427.54	34.4	2992.98	4153	487.8933 ng/ml
Norbuprenorphine	4.991	3089	143.25	93.1	116.11	2885	50.6546 ng/ml
Nordiazepam	5.903	992754	1856.03	58.2	15274.35	69032	486.9999 ng/ml
Norfentanyl	4.092	443617	73037.44	34.9	2180.95	337709	52.8225 ng/ml
Norhydrocodone	3.068	107026	146.52	37.5	∞	21374	512.2812 ng/ml
Noroxycodone	2.918	763693	912.17	47.8	226.29	61077	487.4516 ng/ml
O-desmethyl-tramadol	3.383	5018877	310578.71	6.5	603.64	551631	498.4216 ng/ml
Oxazepam	5.759	1060654	∞	71.1	∞	131378	524.2459 ng/ml
Oxycodone	2.843	1965580	8823.79	31.2	3617.99	189128	482.6114 ng/ml
Oxymorphone	1.403	788568	3702.62	48.5	1766.42	60449	491.5493 ng/ml
Phentermine	3.797	557940	8123.84	3.8	1968.98	185247	422.5697 ng/ml
Promethazine	5.536	1010716	2101.33	30.7	1065.19	88415	494.3115 ng/ml
Quetiapine	5.546	1425459	137721.96	58.0	652223.36	40894	489.9114 ng/ml
Sertraline	5.772	142175	1411.00	91.4	49719.84	11604	514.3501 ng/ml
Temazepam	5.826	3316597	2041.27	29.2	753.04	318183	496.7042 ng/ml
Tramadol	4.252	4377581	134220.29	3.6	6412.63	510217	472.2318 ng/ml
Trazodone	5.141	1691207	1177.17	77.0	2536.03	148615	496.6161 ng/ml
Venlafaxine	5.041	3969201	67178.35	37.3	23483.89	422581	496.4051 ng/ml
Zolpidem	4.906	5137222	1217101.00	30.6	1044.59	588476	475.7284 ng/ml

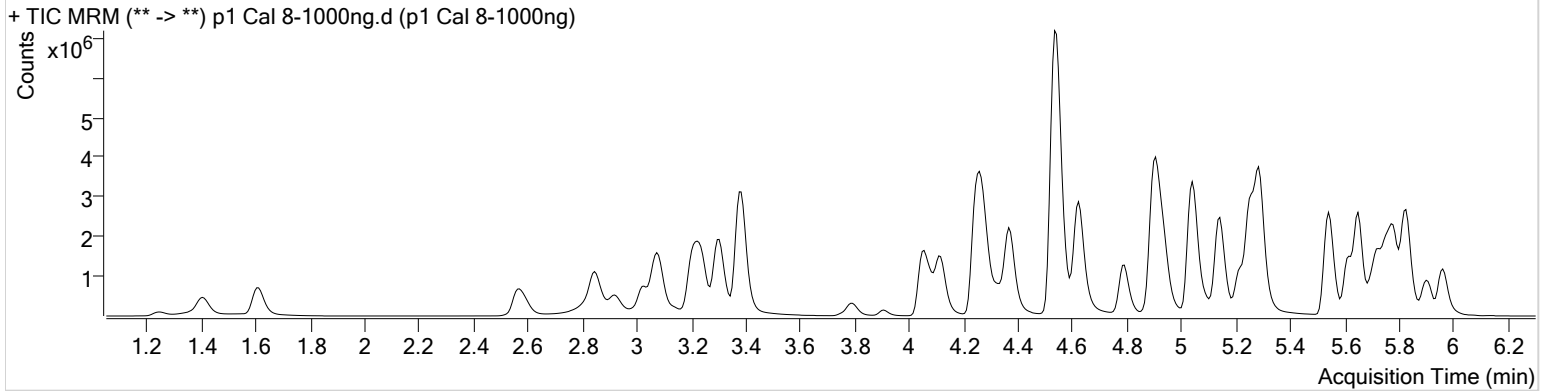
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Calibration Last Update 11/9/2020 11:43:25 AM

Instrument	Falco	Data File	p1 Cal 8-1000ng.d
Type	Cal	Sample	p1 Cal 8-1000ng
Acq. Method	MDQ P1 060520.m	Operator	Sarah Pickle
Sample Position	P2-A12	Comment	
Injection Volume	2		
Acq. Date-Time	11/5/2020 8:22:02 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.139	125452	70117.73	73.2	7177.01	30103	101.1433 ng/ml
7-aminoclonazepam	4.284	772439	15914.40	84.6	6322.34	26100	1055.8969 ng/ml
a-hydroxyalprazolam	5.701	546452	∞	64.5	∞	19253	862.6389 ng/ml
alpha-PHP	4.935	832648	∞	262.4	78220.79	158722	993.2574 ng/ml
alpha-PVP	4.369	3624373	229114.27	51.5	4441.99	158722	1010.8932 ng/ml
Alprazolam	5.778	2070452	10055.22	103.6	∞	65356	991.0114 ng/ml
Amphetamine	3.078	3093430	95240.65	51.7	61589.13	54037	821.6132 ng/ml
Benzoylecgonine	3.905	239689	∞	7.6	737.39	7619	1057.3739 ng/ml
Buprenorphine	5.796	30323	1382.37	16.7	1920.41	11653	100.2933 ng/ml
Bupropion	4.793	2086090	198268.38	57.9	48616.58	75699	993.1952 ng/ml
Carisoprodol	5.727	1756917	382690.23	55.2	31391.95	93474	956.2862 ng/ml
Citalopram	5.217	1674955	55756.57	41.9	24216.10	77414	992.2145 ng/ml
Clonazepam	5.615	1996774	62256.40	33.7	47437.37	32391	818.5352 ng/ml
Cocaine	4.263	3090252	253476.65	47.2	94800.98	242694	993.3999 ng/ml
Codeine	2.590	360542	19469.49	106.0	19111.82	20746	889.8326 ng/ml
Cyclobenzaprine	5.619	896503	1833.21	10.0	3177.99	37508	1014.5976 ng/ml
Dextromethorphan	5.266	795670	956.81	80.8	674.95	38688	980.1014 ng/ml
Dextrorphan	4.117	1138487	55852.26	211.1	36057.43	135399	1001.7200 ng/ml
Diazepam	5.963	1551703	8243.85	86.4	5206.10	81028	943.6155 ng/ml
Dihydrocodeine	2.562	1071023	671.75	65.1	538.42	89668	702.5233 ng/ml
Diphenhydramine	5.294	5396057	1072.86	33.3	631.10	326631	1003.2096 ng/ml
Doxylamine	4.535	10726355	∞	98.7	181796.61	522635	940.7696 ng/ml
EDDP	5.252	4053638	59239.92	41.2	81382.09	209448	1020.9919 ng/ml
Fentanyl	5.100	154182	2385.82	74.4	107869.56	71470	102.2488 ng/ml
Fluoxetine	5.703	690376	30145.30	9.0	∞	28291	996.2228 ng/ml
Hydrocodone	3.027	1574337	720.43	40.7	∞	124334	839.1738 ng/ml
Hydromorphone	1.614	1296892	1328.34	74.9	990.26	44363	941.5299 ng/ml
Ketamine	4.050	3113286	225674.59	38.7	6297.95	169459	901.3432 ng/ml
Lamotrigine	4.293	177141	20283.62	79.6	11226.87	169459	554.0730 ng/ml
Lorazepam	5.749	670110	∞	56.0	4289.49	32391	363.8914 ng/ml
MDA	3.211	3102079	35819.02	23.0	30688.49	125124	725.5206 ng/ml
MDMA	3.304	3188642	156567.67	67.8	168771.37	35699	940.5912 ng/ml
Meprobamate	4.936	756611	51494.57	27.8	159653.22	40439	917.3016 ng/ml

AM #28 Multi-Drug Quant. Results

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Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.650	3430465	∞	51.1	85508.90	160000	1034.2527 ng/ml
Methamphetamine	3.239	2335779	35026.38	39.4	57860.03	132168	880.7013 ng/ml
Metoprolol	4.332	710865	372759.94	92.2	∞	416786	912.5888 ng/ml
Mirtazapine	4.623	4955447	12465.05	50.2	16877.08	158722	1466.0976 ng/ml
Mitragynine	5.228	407019	187525.70	38.0	11971.42	160000	812.4924 ng/ml
Morphine	1.246	227599	40246.77	34.8	7466.92	3473	935.9906 ng/ml
Norbuprenorphine	4.991	6025	367.66	97.8	1057.36	2821	101.2019 ng/ml
Nordiazepam	5.903	1384525	12719.13	58.0	11676.09	50112	935.9390 ng/ml
Norfentanyl	4.085	802767	154486.60	34.6	15976.66	271976	118.6126 ng/ml
Norhydrocodone	3.068	188454	∞	40.2	2417.43	14862	1296.9168 ng/ml
Noroxycodone	2.918	1000549	∞	53.3	7609.75	46244	843.9142 ng/ml
O-desmethyl-tramadol	3.383	8040876	177750.44	6.5	40801.61	436123	1010.1926 ng/ml
Oxazepam	5.753	1089624	9036.60	65.3	11499.86	75042	944.5989 ng/ml
Oxycodone	2.843	3308377	10105.19	31.0	∞	168365	912.7082 ng/ml
Oxymorphone	1.403	1313516	354.56	47.1	380.00	52871	936.4192 ng/ml
Phentermine	3.797	821871	∞	3.8	∞	160209	720.3398 ng/ml
Promethazine	5.536	1986516	4047.25	30.5	35020.98	85250	1007.6574 ng/ml
Quetiapine	5.546	2695090	329555.54	59.5	152610.44	43972	861.8061 ng/ml
Sertraline	5.772	215574	6864.78	90.8	20353.73	8828	1025.6183 ng/ml
Temazepam	5.826	4760359	100670.78	29.0	23536.91	229738	987.6488 ng/ml
Tramadol	4.245	6507451	202612.86	3.6	16286.43	416786	860.1164 ng/ml
Trazodone	5.141	3770125	∞	76.4	308168.19	179076	919.0349 ng/ml
Venlafaxine	5.041	6624108	6179.74	36.8	32328.57	347254	1008.0282 ng/ml
Zolpidem	4.899	7954439	199936.23	30.6	333649.80	517277	838.6351 ng/ml

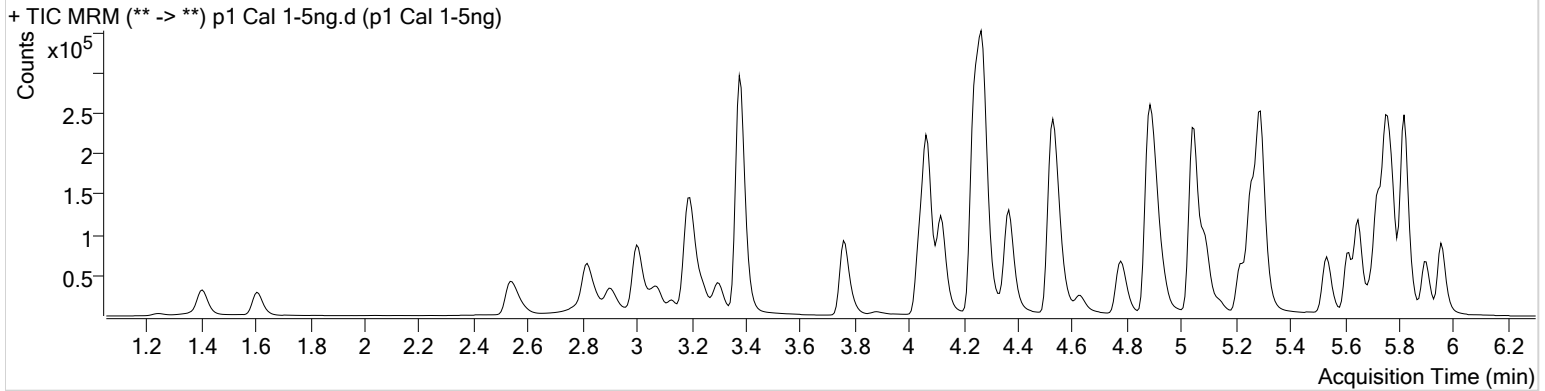
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Calibration Last Update 11/9/2020 11:43:25 AM

Instrument	Falco	Data File	p1 Cal 1-5ng.d
Type	Cal	Sample	p1 Cal 1-5ng
Acq. Method	MDQ P1 060520.m	Operator	Sarah Pickle
Sample Position	P2-H12	Comment	
Injection Volume	2		
Acq. Date-Time	11/5/2020 7:07:39 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.139	802	2250.39	70.2	92.62	33056	0.5028 ng/ml
7-aminoclonazepam	4.284	12264	1336.47	82.7	3022.32	91271	5.0940 ng/ml
a-hydroxyalprazolam	5.702	6477	651.58	63.4	287.87	36432	4.8635 ng/ml
alpha-PHP	4.942	7947	381.80	260.0	1292.68	273155	4.9504 ng/ml
alpha-PVP	4.376	32202	390.17	51.3	775.34	273155	5.0005 ng/ml
Alprazolam	5.778	23594	730.99	107.2	805.09	150705	5.2384 ng/ml
Amphetamine	3.084	37999	928.31	51.9	1574.92	88704	4.8035 ng/ml
Benzoylcegonine	3.905	1010	224.69	6.9	16.75	6848	6.0943 ng/ml
Buprenorphine	5.789	287	20.43	14.1	9.44 Low	23394	0.4971 ng/ml
Bupropion	4.793	22625	5506.06	56.8	627.98	154385	4.9953 ng/ml
Carisoprodol	5.727	24718	19832.82	56.6	228.31	241098	4.9842 ng/ml
Citalopram	5.217	14287	469.68	43.6	659.65	131055	4.9238 ng/ml
Clonazepam	5.615	28234	3881.13	34.1	6758.67	67227	4.9242 ng/ml
Cocaine	4.270	33091	4115.23	45.5	2228.50	491843	5.0078 ng/ml
Codeine	2.590	3595	415.85	107.3	854.17	33256	4.8968 ng/ml
Cyclobenzaprine	5.619	4816	4507.70	10.6	62.49	41113	5.0369 ng/ml
Dextromethorphan	5.266	7608	10132.12	79.7	7929.20	69588	4.9943 ng/ml
Dextrophan	4.124	10100	∞	211.2	3129.32	232280	5.0380 ng/ml
Diazepam	5.963	16871	951.08	87.8	409.56	154086	4.9482 ng/ml
Dihydrocodeine	2.569	9523	223.37	61.7	1407.98	95144	4.8850 ng/ml
Diphenhydramine	5.294	39531	237.98	33.2	824.33	471720	5.1289 ng/ml
Doxylamine	4.548	72568	∞	99.3	18798.37	622515	4.9967 ng/ml
EDDP	5.259	25767	3115.49	41.1	4834.88	261061	5.0517 ng/ml
Fentanyl	5.107	714	∞	75.6	1337.88	63248	0.5122 ng/ml
Fluoxetine	5.703	4281	226.53	9.8	143.73	29928	5.0922 ng/ml
Hydrocodone	3.027	13694	179.69	37.3	137.11	152021	4.7170 ng/ml
Hydromorphone	1.614	11023	305.30	75.2	302.75	64864	4.9565 ng/ml
Ketamine	4.058	26777	4465.54	39.0	360.34	235005	4.9188 ng/ml
Lamotrigine	4.293	2638	438.33	77.6	438.42	235005	4.7939 ng/ml
Lorazepam	5.749	23346	∞	54.7	836.14	67227	4.4911 ng/ml
MDA	3.218	40214	374.13	23.5	304.73	206047	4.8443 ng/ml
MDMA	3.304	27564	7363.87	65.9	135.42	54763	4.9647 ng/ml
Meprobamate	4.936	15805	∞	28.2	1045.03	138516	4.8703 ng/ml

AM #28 Multi-Drug Quant. Results

5



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.650	21296	2165.63	51.0	570.55	198484	5.0287 ng/ml
Methamphetamine	3.245	27449	410.10	38.8	258.69	194264	4.8735 ng/ml
Metoprolol	4.332	6795	∞	88.5	691.62	633893	4.9980 ng/ml
Mirtazapine	4.629	30422	5233.71	50.4	784.59	273155	5.1471 ng/ml
Mitragynine	5.228	3378	385.72	38.4	1248.53	198484	4.7881 ng/ml
Morphine	1.253	1943	479.73	33.1	575.01	4920	5.0224 ng/ml
Norbuprenorphine	4.998	45	3.26 Low	109.6	101.75	3908	0.3958 ng/ml
Nordiazepam	5.903	17253	594.08	58.6	570.93	110246	4.9462 ng/ml
Norfentanyl	4.092	4939	312.91	36.2	69.49	429769	0.5233 ng/ml
Norhydrocodone	3.075	1991	84.31	43.1	68.14	39729	5.3897 ng/ml
Noroxycodone	2.925	11889	384.38	47.2	331.55	85002	4.8699 ng/ml
O-desmethyl-tramadol	3.383	62846	3036.76	6.8	491.02	666440	5.0073 ng/ml
Oxazepam	5.759	30008	2782.43	70.8	∞	331196	3.7494 ng/ml
Oxycodone	2.843	23113	1148.34	32.4	3227.07	199451	5.1333 ng/ml
Oxymorphone	1.410	11745	∞	49.6	94.14	84786	4.8885 ng/ml
Phentermine	3.797	9511	1023.29	3.9	36.96	236366	4.8118 ng/ml
Promethazine	5.536	11576	673.40	29.5	206.45	96203	5.1693 ng/ml
Quetiapine	5.546	15762	1953.90	56.9	2410.39	41176	4.8733 ng/ml
Sertraline	5.779	2068	95.43	95.0	130.41	15874	4.9795 ng/ml
Temazepam	5.826	49416	2578.75	28.5	267.63	448956	4.9869 ng/ml
Tramadol	4.252	66414	5911.18	3.4	169.28	633893	4.8519 ng/ml
Trazodone	5.141	14567	1307.46	76.3	∞	121633	4.9176 ng/ml
Venlafaxine	5.048	49536	357.52	38.7	439.72	517633	5.1718 ng/ml
Zolpidem	4.906	63671	8762.57	31.7	7394.69	612742	4.8441 ng/ml

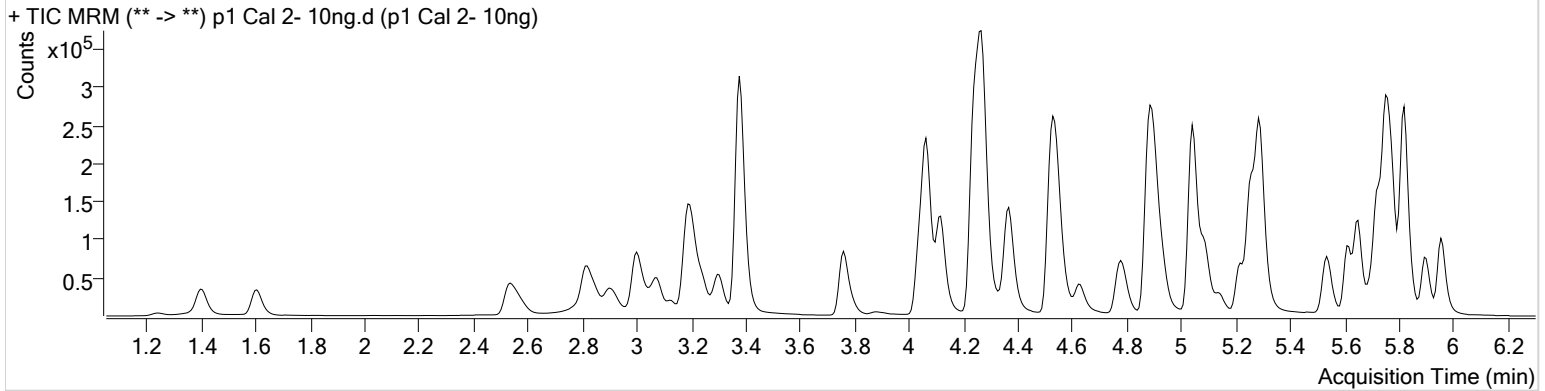
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Calibration Last Update 11/9/2020 11:43:25 AM

Instrument	Falco	Data File	p1 Cal 2- 10ng.d
Type	Cal	Sample	p1 Cal 2- 10ng
Acq. Method	MDQ P1 060520.m	Operator	Sarah Pickle
Sample Position	P2-G12	Comment	
Injection Volume	2		
Acq. Date-Time	11/5/2020 7:18:24 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.139	1428	1796.25	69.2	76.48	31638	1.0098 ng/ml
7-aminoclonazepam	4.277	23681	6832.69	83.2	3104.35	87586	9.9449 ng/ml
a-hydroxyalprazolam	5.701	12400	866.63	64.4	1074.24	35198	10.1708 ng/ml
alpha-PHP	4.935	14889	13466.24	261.5	12089.51	266105	10.0385 ng/ml
alpha-PVP	4.376	60709	1424.21	51.3	2938.21	266105	9.8824 ng/ml
Alprazolam	5.778	44290	788.94	109.5	1640.40	146649	9.7871 ng/ml
Amphetamine	3.078	61983	3321.33	52.6	1655.79	76907	10.2314 ng/ml
Benzoylecgonine	3.905	1995	109.62	8.4	33.32	7234	10.4021 ng/ml
Buprenorphine	5.796	621	63.11	13.5	57.13	24015	1.0203 ng/ml
Bupropion	4.793	41839	4320.96	57.9	603.16	147221	9.9574 ng/ml
Carisoprodol	5.727	47462	58016.31	55.0	448.93	237610	9.9321 ng/ml
Citalopram	5.217	26440	1027.94	42.4	495.98	120164	10.0154 ng/ml
Clonazepam	5.615	53456	6473.17	34.4	1828.80	66021	10.1027 ng/ml
Cocaine	4.270	61461	5554.46	46.7	74054.36	467727	10.0117 ng/ml
Codeine	2.590	6887	970.60	106.8	1623.90	32902	10.0833 ng/ml
Cyclobenzaprine	5.619	8694	24321.20	10.0	59.18	37398	9.9319 ng/ml
Dextromethorphan	5.266	13244	399.81	80.3	∞	61443	10.0574 ng/ml
Dextrorphan	4.117	19192	3155.84	206.7	546.94	223248	10.1001 ng/ml
Diazepam	5.963	32359	1454.59	86.3	2231.86	151907	10.0520 ng/ml
Dihydrocodeine	2.562	17624	17257.54	64.2	6293.05	94319	9.9953 ng/ml
Diphenhydramine	5.294	70734	8021.24	32.9	2215.08	426791	10.1040 ng/ml
Doxylamine	4.541	135901	12987.36	97.4	73894.87	605728	9.9393 ng/ml
EDDP	5.259	50509	3525.10	42.0	47868.00	264958	9.9021 ng/ml
Fentanyl	5.100	1265	86.39	83.5	1173.77	61590	0.9503 ng/ml
Fluoxetine	5.703	7120	∞	8.5	∞	27860	9.6893 ng/ml
Hydrocodone	3.027	25841	248.33	36.2	193.27	145148	10.5551 ng/ml
Hydromorphone	1.614	21422	273.11	74.2	308.52	64888	10.1192 ng/ml
Ketamine	4.058	49979	748.64	38.6	701.27	228076	10.0833 ng/ml
Lamotrigine	4.286	5061	711.03	73.7	653.57	228076	10.6172 ng/ml
Lorazepam	5.749	44419	∞	57.0	949.99	66021	10.2426 ng/ml
MDA	3.218	73301	1040.20	23.8	350.16	193697	10.2137 ng/ml
MDMA	3.304	50702	∞	68.7	3205.90	51671	9.9994 ng/ml
Meprobamate	4.930	29714	∞	27.9	2232.92	134629	10.1013 ng/ml

AM #28 Multi-Drug Quant. Results

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Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.650	38834	6768.78	52.3	3564.41	184573	10.0028 ng/ml
Methamphetamine	3.245	45350	464.04	39.1	759.58	183220	10.1799 ng/ml
Metoprolol	4.332	12027	48257.87	88.9	1695.52	610564	9.8062 ng/ml
Mirtazapine	4.629	55554	4338.51	51.1	8081.48	266105	9.7208 ng/ml
Mitragynine	5.228	6348	4096.00	40.4	2361.80	184573	10.3412 ng/ml
Morphine	1.246	3576	3890.40	36.5	124.87	4968	9.6637 ng/ml
Norbuprenorphine	4.991	88	16.93	101.3	22.14	3540	1.0251 ng/ml
Nordiazepam	5.903	32652	1864.29	59.4	∞	106293	10.0531 ng/ml
Norfentanyl	4.092	9534	1790.06	34.3	101.72	425554	0.9615 ng/ml
Norhydrocodone	3.075	3653	547.94	42.4	83.82	38252	10.0290 ng/ml
Noroxycodone	2.918	22988	902.76	48.1	809.13	83927	10.1018 ng/ml
O-desmethyl-tramadol	3.383	120020	1858.14	6.7	405.84	645886	10.0227 ng/ml
Oxazepam	5.759	58201	1436.22	69.5	1517.58	325159	9.5125 ng/ml
Oxycodone	2.843	38987	1701.65	36.2	736.23	194578	9.0586 ng/ml
Oxymorphone	1.403	22815	503.72	46.9	510.56	81304	10.2464 ng/ml
Phentermine	3.797	16979	1605.44	3.6	55.07	212641	10.3799 ng/ml
Promethazine	5.536	19186	420.08	29.3	631.29	83872	9.8581 ng/ml
Quetiapine	5.546	29839	2616.29	56.7	23337.08	39087	10.2282 ng/ml
Sertraline	5.772	3346	437.39	87.3	8443.56	13246	10.1197 ng/ml
Temazepam	5.826	97361	1011.76	30.2	1450.73	449353	10.0693 ng/ml
Tramadol	4.252	123748	17847.35	3.6	348.83	610564	10.2511 ng/ml
Trazodone	5.141	29573	11859.93	73.7	∞	123074	10.1804 ng/ml
Venlafaxine	5.041	93413	834.82	37.0	3506.90	494108	10.1045 ng/ml
Zolpidem	4.906	121857	52276.39	31.9	1568.40	602207	10.2179 ng/ml

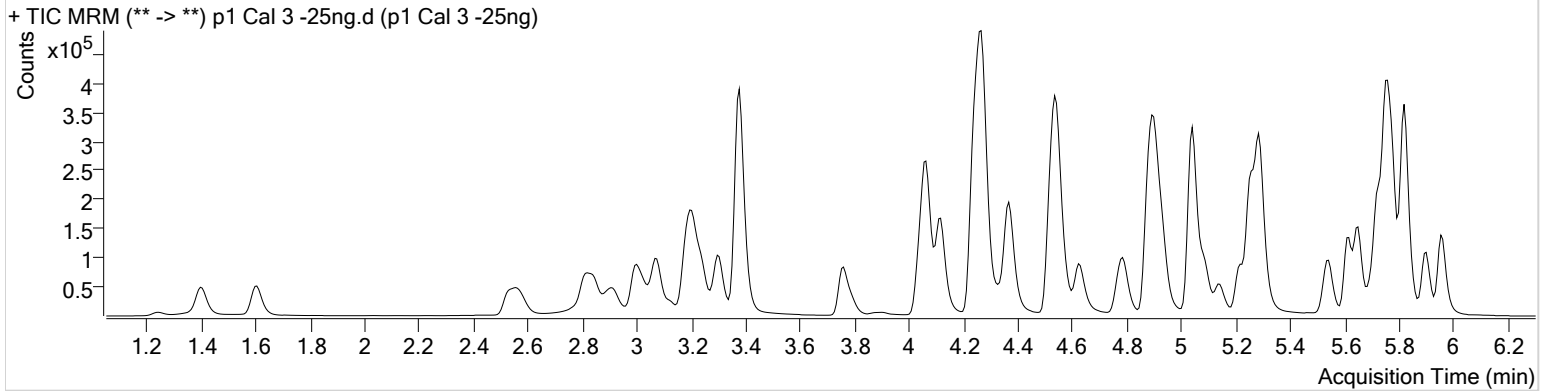
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Calibration Last Update 11/9/2020 11:43:25 AM

Instrument	Falco	Data File	p1 Cal 3 -25ng.d
Type	Cal	Sample	p1 Cal 3 -25ng
Acq. Method	MDQ P1 060520.m	Operator	Sarah Pickle
Sample Position	P2-F12	Comment	
Injection Volume	2		
Acq. Date-Time	11/5/2020 7:29:00 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.139	3230	29018.73	75.0	19479.13	32483	2.3288 ng/ml
7-aminoclonazepam	4.277	58664	2940.96	84.4	8025.35	90235	23.4897 ng/ml
a-hydroxyalprazolam	5.702	30751	1066.72	63.2	372.16	35006	26.1715 ng/ml
alpha-PHP	4.935	36518	1388.80	256.8	26318.66	266609	25.3878 ng/ml
alpha-PVP	4.376	149664	554.79	50.9	∞	266609	24.6373 ng/ml
Alprazolam	5.778	108806	1918.21	106.3	∞	143350	24.0784 ng/ml
Amphetamine	3.078	145480	2965.97	52.0	∞	74511	26.7137 ng/ml
Benzoylcegonine	3.905	5018	505.53	7.4	122.39	7373	23.9946 ng/ml
Buprenorphine	5.796	1309	537.03	14.1	399.33	21046	2.4202 ng/ml
Bupropion	4.793	99844	7898.38	58.1	316.78	142397	24.9899 ng/ml
Carisoprodol	5.727	114284	582862.69	55.7	949.29	230123	25.0399 ng/ml
Citalopram	5.217	60750	531.36	42.5	69049.57	110858	25.0569 ng/ml
Clonazepam	5.615	129091	8992.32	34.2	171093.89	65878	25.3830 ng/ml
Cocaine	4.270	146397	14719.12	47.4	47556.96	473154	23.9023 ng/ml
Codeine	2.583	16706	3315.85	107.0	1592.19	32271	25.8822 ng/ml
Cyclobenzaprine	5.619	15358	56322.12	9.9	101.54	26801	24.3875 ng/ml
Dextromethorphan	5.266	28762	4287.65	78.3	1326.78	55651	24.4190 ng/ml
Dextrophan	4.117	46133	11060.46	213.2	58175.17	222507	24.5610 ng/ml
Diazepam	5.963	77847	9463.05	87.7	854.03	148644	25.3686 ng/ml
Dihydrocodeine	2.562	44067	23785.65	62.2	16832.56	94225	26.5360 ng/ml
Diphenhydramine	5.294	160867	12398.71	32.9	34016.04	401620	24.3624 ng/ml
Doxylamine	4.541	334274	31017.56	100.2	41428.29	610195	24.7715 ng/ml
EDDP	5.259	127508	306.97	42.1	15395.75	275241	24.2864 ng/ml
Fentanyl	5.100	2690	294.13	82.9	5406.11	51318	2.4622 ng/ml
Fluoxetine	5.703	9909	959.10	9.1	1047.58	16141	24.3283 ng/ml
Hydrocodone	3.027	61602	∞	37.6	349.10	144454	27.0429 ng/ml
Hydromorphone	1.608	50342	719.34	76.7	337.60	64614	24.5871 ng/ml
Ketamine	4.058	121872	16572.43	39.3	319.31	230521	25.2815 ng/ml
Lamotrigine	4.286	11590	1383.11	78.3	2779.15	230521	25.5376 ng/ml
Lorazepam	5.749	104778	1004.93	57.0	∞	65878	26.4572 ng/ml
MDA	3.211	179133	19891.14	23.1	859.19	192729	26.3586 ng/ml
MDMA	3.304	124218	∞	68.4	5458.38	51191	25.2249 ng/ml
Meprobamate	4.930	72556	502.46	27.7	10058.38	130654	26.5199 ng/ml

AM #28 Multi-Drug Quant. Results

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Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.650	82276	981.15	53.0	4041.76	162790	24.2358 ng/ml
Methamphetamine	3.245	100889	592.44	39.1	723.04	178335	26.0768 ng/ml
Metoprolol	4.332	29989	83170.54	91.8	∞	608570	25.6458 ng/ml
Mirtazapine	4.623	130953	21753.73	51.2	1886.84	266609	22.9832 ng/ml
Mitragynine	5.228	13773	2773.70	38.6	∞	162790	26.3922 ng/ml
Morphine	1.246	9048	1242.81	32.9	739.88	4871	25.9252 ng/ml
Norbuprenorphine	4.991	188	∞	87.2	459.01	3075	2.7463 ng/ml
Nordiazepam	5.903	78984	1277.19	58.4	704.66	104037	25.3708 ng/ml
Norfentanyl	4.092	23044	15454.26	34.2	1119.63	420891	2.2607 ng/ml
Norhydrocodone	3.068	8678	112.40	42.4	126.86	36676	24.4588 ng/ml
Noroxycodone	2.918	57210	923.18	47.1	∞	82564	26.4565 ng/ml
O-desmethyl-tramadol	3.377	295168	∞	6.6	571.06	656404	24.4817 ng/ml
Oxazepam	5.759	135535	11122.47	73.0	2326.28	315302	25.8697 ng/ml
Oxycodone	2.843	112069	2185.35	31.2	1516.84	195232	26.4191 ng/ml
Oxymorphone	1.403	55734	1415.33	46.7	275.52	80786	25.6788 ng/ml
Phentermine	3.797	41180	3944.47	3.7	257.64	211206	26.5646 ng/ml
Promethazine	5.536	33221	480.89	30.3	416.18	58860	24.3731 ng/ml
Quetiapine	5.546	70432	23055.77	55.7	83881.74	37950	25.5988 ng/ml
Sertraline	5.772	3953	122.71	94.6	299.63	6557	24.8363 ng/ml
Temazepam	5.826	234062	8823.90	29.4	2282.41	451998	24.4283 ng/ml
Tramadol	4.252	296705	21706.06	3.6	580.47	608570	25.9609 ng/ml
Trazodone	5.141	65820	3150.95	76.0	45791.47	112596	25.2147 ng/ml
Venlafaxine	5.041	224531	814.70	38.2	3614.61	490081	24.3229 ng/ml
Zolpidem	4.906	299100	31650.37	31.9	24531.68	605974	26.1165 ng/ml

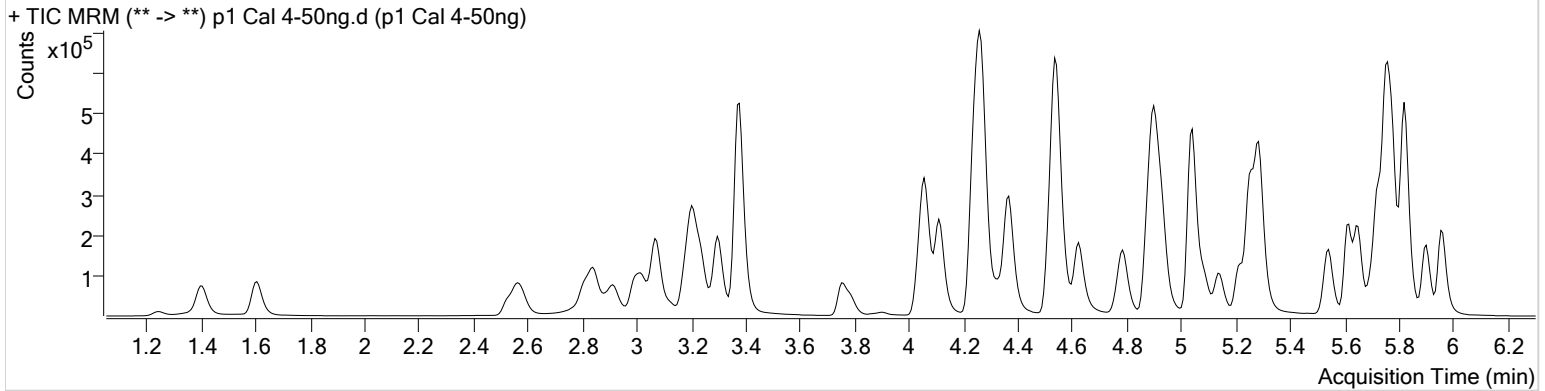
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\110520 AM 27 28 SP\QuantResults\AM 28 final.batch.bin
Calibration Last Update 11/9/2020 11:43:25 AM

Instrument	Falco	Data File	p1 Cal 4-50ng.d
Type	Cal	Sample	p1 Cal 4-50ng
Acq. Method	MDQ P1 060520.m	Operator	Sarah Pickle
Sample Position	P2-E12	Comment	
Injection Volume	2		
Acq. Date-Time	11/5/2020 7:39:37 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.132	7179	14547.13	75.6	33428.17	33310	5.1486 ng/ml
7-aminoclonazepam	4.277	116927	12534.82	83.5	373.26	86185	48.6915 ng/ml
a-hydroxyalprazolam	5.701	64144	428.25	62.9	668.09	35742	54.0346 ng/ml
alpha-PHP	4.935	74741	7242.07	262.2	4652.69	270743	51.7366 ng/ml
alpha-PVP	4.369	318140	46794.15	51.0	87139.12	270743	51.8117 ng/ml
Alprazolam	5.778	227719	8332.20	106.3	2860.34	145043	49.4392 ng/ml
Amphetamine	3.071	300014	∞	51.5	6869.58	75446	55.8119 ng/ml
Benzoylcegonine	3.898	10191	243.74	7.3	453.25	7360	47.6348 ng/ml
Buprenorphine	5.796	2651	312.06	16.8	511.09	20210	5.0780 ng/ml
Bupropion	4.787	206531	24134.78	58.3	4685.95	143094	51.7451 ng/ml
Carisoprodol	5.727	239450	20972.66	55.2	7912.60	229279	52.9145 ng/ml
Citalopram	5.217	120193	10680.70	43.3	5092.63	110127	49.9785 ng/ml
Clonazepam	5.615	272154	67844.35	34.2	1346.32	66732	53.5378 ng/ml
Cocaine	4.263	313334	14884.49	46.2	51397.54	473126	51.4379 ng/ml
Codeine	2.583	34896	2498.33	107.6	1073.91	32783	53.8987 ng/ml
Cyclobenzaprine	5.619	30513	552.13	10.0	143.09	25904	50.0629 ng/ml
Dextromethorphan	5.260	58713	343.08	79.8	6921.20	53837	51.7667 ng/ml
Dextrophan	4.111	96331	75321.76	209.8	1184.77	225212	50.8218 ng/ml
Diazepam	5.963	161888	4078.69	87.6	∞	152816	51.7750 ng/ml
Dihydrocodeine	2.562	93086	5935.65	62.7	∞	96934	55.5523 ng/ml
Diphenhydramine	5.287	331477	469.62	33.2	14965.10	401498	50.1733 ng/ml
Doxylamine	4.541	715043	109176.14	99.4	53166.81	623966	52.1999 ng/ml
EDDP	5.252	271092	8718.17	41.9	882.56	283389	50.3163 ng/ml
Fentanyl	5.100	5363	978.94	76.1	15416.98	49173	5.1470 ng/ml
Fluoxetine	5.703	20011	491.24	9.6	4330.53	16159	49.8431 ng/ml
Hydrocodone	3.020	129412	991.46	38.9	905.39	149516	56.1871 ng/ml
Hydromorphone	1.608	107066	1192.83	75.0	1063.53	65007	52.5542 ng/ml
Ketamine	4.050	258234	47722.51	39.1	1522.13	232293	53.9052 ng/ml
Lamotrigine	4.280	23984	∞	78.8	5475.09	232293	53.6747 ng/ml
Lorazepam	5.749	206816	∞	57.1	4835.76	66732	53.1137 ng/ml
MDA	3.211	355578	78719.42	23.1	3188.21	187759	54.6133 ng/ml
MDMA	3.298	260734	75749.18	68.7	10214.97	52282	52.1982 ng/ml
Meprobamate	4.930	142158	12507.70	28.0	23771.66	128302	53.6373 ng/ml

AM #28 Multi-Drug Quant. Results

5



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.650	166141	888.55	52.5	13269.22	160209	49.8839 ng/ml
Methamphetamine	3.239	182183	1127.76	39.8	763.78	164034	53.2993 ng/ml
Metoprolol	4.325	62802	18243.21	90.3	25845.20	639796	51.8223 ng/ml
Mirtazapine	4.623	275441	24442.31	50.7	259469.53	270743	47.6932 ng/ml
Mitragynine	5.228	27821	101774.30	37.7	216286.26	160209	54.8557 ng/ml
Morphine	1.246	18798	763.65	33.5	∞	5133	51.7226 ng/ml
Norbuprenorphine	4.991	327	171.60	110.8	40.61	3410	4.3974 ng/ml
Nordiazepam	5.903	165866	∞	58.3	6329.71	107471	51.9454 ng/ml
Norfentanyl	4.085	48104	222.19	35.0	1366.07	416785	4.6974 ng/ml
Norhydrocodone	3.068	18065	256.03	41.1	177.65	37475	49.5558 ng/ml
Noroxycodone	2.918	117211	437.65	47.6	2642.70	84073	53.8270 ng/ml
O-desmethyl-tramadol	3.377	624066	36196.51	6.5	701.51	670319	50.8581 ng/ml
Oxazepam	5.759	277590	7678.51	71.3	4228.47	314925	55.3149 ng/ml
Oxycodone	2.836	235896	10449.12	31.4	2111.09	203740	53.5431 ng/ml
Oxymorphone	1.403	112391	4271.38	46.7	1910.94	80683	52.1893 ng/ml
Phentermine	3.790	77714	11429.53	3.9	1372.23	204578	52.5580 ng/ml
Promethazine	5.536	69460	1525.84	30.2	2944.90	59142	50.7543 ng/ml
Quetiapine	5.539	148032	137230.01	56.8	∞	38336	53.8149 ng/ml
Sertraline	5.772	8250	572.33	95.7	∞	6723	51.0733 ng/ml
Temazepam	5.826	500095	11500.65	29.6	∞	460329	51.5349 ng/ml
Tramadol	4.245	633838	38246.81	3.6	1593.02	639796	53.7080 ng/ml
Trazodone	5.141	138492	∞	76.5	27503.21	114198	52.6455 ng/ml
Venlafaxine	5.041	474825	8358.03	37.3	1213.04	504839	49.8116 ng/ml
Zolpidem	4.899	641114	55158.20	31.5	1579.72	630601	54.6719 ng/ml