

Worklist: 5492

<u>LAB_CASE</u>	<u>ITEM</u>	<u>ITEM_TYPE</u>	<u>DESCRIPTION</u>	
M2021-5132	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-5396	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-5472	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-5498	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-3682	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-4072	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-4079	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-4080	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-4150	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-4164	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-4170	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-4171	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-4172	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-4175	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-4183	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-4192	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-4193	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-4194	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-4195	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-4196	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-4203	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

Worklist: 5492

AK

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
P2021-4204	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ



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

Extraction Date: 01/05/~~2021~~²⁰²² * Analyst: Amber Gerheart
Plate lot#: 211018 ^{1/20/2022} Plate Retest Date: 04/18/2022
Mobile phase A: 5mM Amm Form + 0.01% FA **Mobile phase B:** 0.01% Formic Acid in MeOH
Blank Blood Lot: Lampire 20L20725 **Blank Urine Lot:** N/A
Column: Agilent 120 EC-C18 (2.1x 100-2.7um) **LCMS-QQ ID:** 069901

Pre-Analytic:

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

Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Urine hydrolysis pipette 250 ul urine in blank well, add 40 ul BG Turbo, add 100 ul 500 mm sodium phosphate buffer, mix for at least 5 minutes at ambient temperature. Pipette **250µL blood (calibrated pipette) or 250µL hydrolyzed urine** in wells of analytical (standards) plate. **Pipette ID: 42**
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 4. Pipette **250µL 0.5M ammonium hydroxide** in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **300µL of blood+base/urine+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 **900uL ethyl acetate**.
- 10. Wait 5 minutes.
- 11. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.
- 12. Add **900uL ethyl acetate**.
- 13. Wait 5 minutes.
- 14. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.
- 15. Remove plate containing eluate. **If run contains urine, add 50µL 1% HCl in MeOH to wells and place plate cover on plate before drying (optional).** Place on SPE Dry and evaporate to dryness at approx. 35°C.
- 16. Reconstitute in **100µL 20% MeOH** and heat seal plate with foil.

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? Yes, see comments Add Control data to QC tracking spreadsheet.
- 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports.

COMMENTS: *Calibration Curve Range:* 7-aminoclonazepam 5-500 ng/mL, alpha-hydroxyalprazolam 5-250 ng/mL, buprenorphine 5-100 ng/mL, cyclobenzaprine 10-1000 ng/mL, fentanyl 2.5-100 ng/mL, lamotrigine 5-250 ng/mL, lorazepam 5-100 ng/mL, meprobamate 5-500 ng/mL, norbuprenorphine 2.5-100 ng/mL, norhydrocodone 5-500 ng/mL, phentermine 10-1000 ng/mL, sertraline 10-1000 ng/mL

Qualitative only: codeine, cyclobenzaprine, fentanyl, sertraline, trazadone

2/21

	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1	M2021-5472-2	P2021-4170-1	IS + Cal. 1	IS + QC_1	P2021-4204-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Cal. 8
B	IS + Cal. 2	IS + QC_2	M2021-5498-2	P2021-4171-1	IS + Cal. 2	IS + QC_2	P2021-4150-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Cal. 7
C	IS + Cal. 3	IS + QC_3	P2021-3682-1	P2021-4172-1	IS + Cal. 3	IS + QC_3	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Cal. 6
D	IS + Cal. 4	IS + QC_4	P2021-4072-1	P2021-4175-1	IS + Cal. 4	IS + QC_4	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + QC_2	IS + Cal. 5
E	IS + Cal. 5	IS + QC_2	P2021-4079-1	P2021-4183-1	IS + Cal. 5	IS + QC_2	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + QC_4	IS + Cal. 4
F	IS + Cal. 6	Negative Blood	P2021-4080-1	P2021-4192-1	IS + Cal. 6	P2021-4195-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + QC_3	IS + Cal. 3
G	IS + Cal. 7	M2021-5132-2	P2021-4150-1***	P2021-4193-1	IS + Cal. 7	P2021-4196-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + QC_2	IS + Cal. 2
H	IS + Cal. 8	M2021-5396-2	P2021-4164-1	P2021-4194-1	IS + Cal. 8	P2021-4203-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + QC_1	IS + Cal. 1

All wells to contain 60 µl of Trapping Solution

*** Sample could not be transferred to the SLE plate due to clots. A second aliquot of the sample was taken and put in B7 and that sample was used for analysis.

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	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1	M2021-5472-2	P2021-4170-1			P2021-4204-1					
B	IS + Cal. 2	IS + QC_2	M2021-5498-2	P2021-4171-1								
C	IS + Cal. 3	IS + QC_3	P2021-3682-1	P2021-4172-1								
D	IS + Cal. 4	IS + QC_4	P2021-4072-1	P2021-4175-1								
E	IS + Cal. 5		P2021-4079-1	P2021-4183-1								
F	IS + Cal. 6	Negative Blood	P2021-4080-1	P2021-4192-1		P2021-4195-1						
G	IS + Cal. 7	M2021-5132-2	P2021-4150-1	P2021-4193-1		P2021-4196-1						
H	IS + Cal. 8	M2021-5396-2	P2021-4164-1	P2021-4194-1		P2021-4203-1						

All wells to contain 60 µl of Trapping Solution

AG

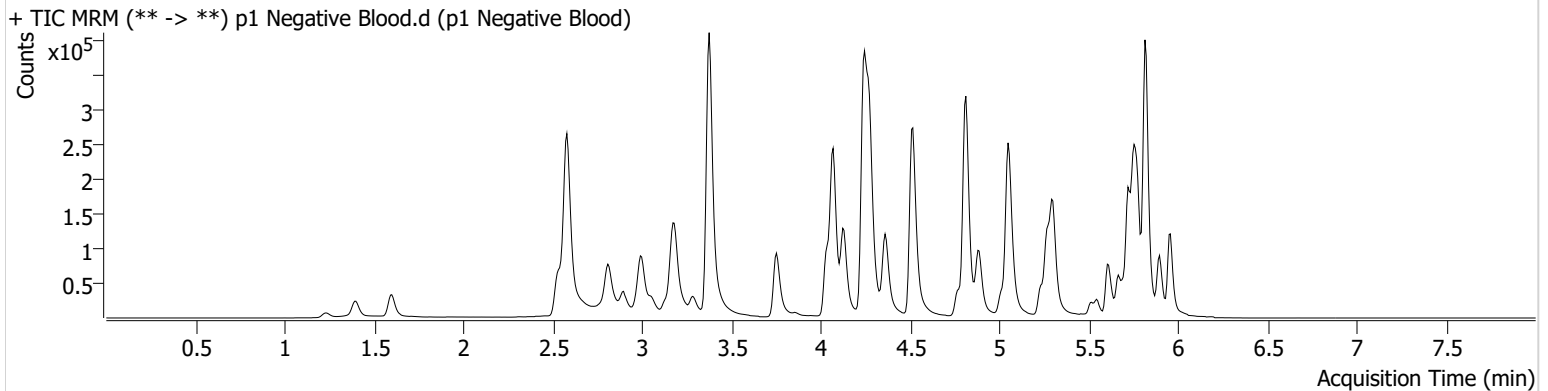


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Calibration Last Update 1/13/2022 8:00:24 AM

Instrument	Falco (069901)	Data File	p1 Negative Blood.d
Type	Sample	Sample	p1 Negative Blood
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P2-F2	Comment	
Injection Volume	2		
Acq. Date-Time	1/5/2022 11:56:44 PM		
Sample Info.			

Sample Chromatogram



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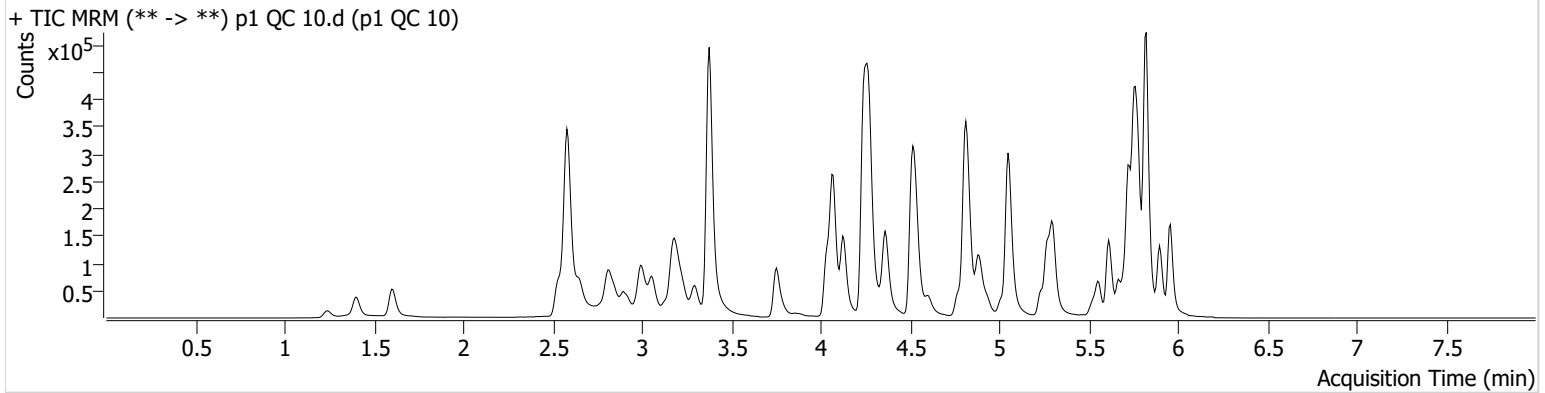


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Calibration Last Update 1/13/2022 8:00:24 AM

Instrument	Falco (069901)	Data File	p1 QC 10.d
Type	QC	Sample	p1 QC 10
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P2-A2	Comment	
Injection Volume	2		
Acq. Date-Time	1/5/2022 10:42:26 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.138	1846	195.44	72.8	974.81	43780	0.9915 ng/ml
7-aminoclonazepam	4.258	31787	159.68	77.7	122.55	118858	10.3379 ng/ml
a-hydroxyalprazolam	5.705	23764	827.15	66.7	136.54	274011	10.5803 ng/ml
alpha-PHP	4.937	13106	214.57	259.9	1108.44	290989	9.3940 ng/ml
alpha-PVP	4.370	61913	2855.34	49.8	953.88	290989	9.8002 ng/ml
Alprazolam	5.782	73745	2885.98	114.5	752.74	274011	9.3848 ng/ml
Amphetamine	3.063	83208	741.81	49.5	1172.97	97979	10.1793 ng/ml
Benzoylcegonine	3.886	3342	758.91	8.1	88.31	8632	11.3665 ng/ml
* Buprenorphine	5.683	411	24.39	4.9 Low	39.13	11907	1.0995 ng/ml
Bupropion	4.788	25119	347.36	65.5	257.37	93959	9.8823 ng/ml
Carisoprodol	5.730	79828	575.63	52.7	427.80	368714	10.2499 ng/ml
Citalopram	5.232	18162	617.67	36.1	10020.25	84764	9.9548 ng/ml
Clonazepam	5.618	104384	459.88	34.7	1500.04	127380	10.3302 ng/ml
Clonazepam	5.555	59806	5482.80	30.6	42003.30	127380	10.0407 ng/ml
Cocaine	4.271	70368	591.21	54.7	504.71	581655	10.2238 ng/ml
Codeine	2.587	11400	35.44	105.5	75.02	45879	12.4197 ng/ml
Cyclobenzaprine	5.635	4696	81.78	9.7	∞	21366	10.4567 ng/ml
Dextromethorphan	5.282	8315	936.23	77.7	4905.93	35559	10.5274 ng/ml
Dextrophan	4.132	19847	19893.65	212.6	10303.30	263578	9.8044 ng/ml
Diazepam	5.960	52021	179.00	91.3	2677.22	251937	10.3287 ng/ml
Dihydrocodeine	2.565	27824	918.78	59.1	2457.36	165728	10.6867 ng/ml
Diphenhydramine	5.303	45633	1557.38	29.4	1133.32	274277	9.9737 ng/ml
Doxylamine	4.536	162138	7465.13	101.0	2818.58	725881	9.7694 ng/ml
EDDP	5.268	38004	1128.21	41.9	5752.81	223430	10.0413 ng/ml
Etizolam	5.826	34512	11516.96	27.0	∞	127380	9.8037 ng/ml
* Fentanyl	5.089	425	13.91	89.7 High	2494.90	33213	1.1072 ng/ml
Flualprazolam	5.712	27868	1848.73	94.5	1160.88	274011	10.2339 ng/ml
Fluoxetine	5.727	4965	278.67	8.8	10.43	15964	11.3997 ng/ml
Hydrocodone	3.025	36887	393.19	30.7	62.45	207446	10.8839 ng/ml
Hydromorphone	1.608	33553	555.66	77.0	1297.74	108851	10.5594 ng/ml
Ketamine	4.051	61039	4307.02	38.4	329.28	265898	10.1961 ng/ml
Lamotrigine	4.280	6995	874.65	82.3	984.51	265898	10.2722 ng/ml
Levetiracetam	2.649	40882	310.53	137.9	289.74	845734	9.4560 ng/ml

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AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.753	92867	1335.88	50.1	127.74	127380	10.7722 ng/ml
MDA	3.203	73723	396.35	26.0	155.47	198476	10.1410 ng/ml
MDMA	3.303	48500	613.02	83.6	537.76	57528	9.8178 ng/ml
Meprobamate	4.911	43149	323.69	24.0	59.15	231766	10.4899 ng/ml
Methadone	5.673	18300	192.12	56.0	123.84	79559	10.1714 ng/ml
Methamphetamine	3.231	60539	121.11	39.7	159.31	249651	10.2091 ng/ml
Metoprolol	4.333	15650	8399.23	90.6	510.06	832670	10.2867 ng/ml
Mirtazapine	4.604	41821	1510.16	47.9	1699.97	290989	8.6019 ng/ml
Mitragynine	5.216	3094	3948.53	27.8	2107.83	79559	10.9078 ng/ml
Morphine	1.247	5805	184.00	19.2	370.24	10310	9.9474 ng/ml
Nordiazepam	5.906	50840	1352.75	56.7	4074.61	168863	10.2250 ng/ml
Norfentanyl	4.093	12508	64.98	39.9	211.72	583708	0.9740 ng/ml
Norhydrocodone	3.073	3156	44.95	42.0	100.39	40423	9.0703 ng/ml
Noroxycodone	2.923	33912	470.58	48.4	406.16	98179	10.2346 ng/ml
O-desmethyl-tramadol	3.383	186935	836.33	5.5	155.67	1128658	9.6922 ng/ml
Oxazepam	5.763	101695	1637.72	77.5	1671.02	414577	10.3396 ng/ml
Oxycodone	2.841	70458	1175.13	29.9	210.48	275699	10.0968 ng/ml
Oxymorphone	1.405	28308	208.34	46.5	119.66	86664	9.6492 ng/ml
Phentermine	3.790	19906	120.32	4.8	10.57	256275	9.1470 ng/ml
Promethazine	5.552	10381	277.92	32.3	252.49	45117	10.4518 ng/ml
Pseudoephedrine	2.589	168475	4889.85	16.0	1902.57	845734	9.9867 ng/ml
Quetiapine	5.528	27244	1253.64	54.5	264.73	35224	10.2367 ng/ml
Sertraline	5.796	2128	55.77	102.8	4819.19	8316	14.6089 ng/ml
Temazepam	5.823	155959	416.80	29.3	64.92	851969	9.8829 ng/ml
Tramadol	4.252	168760	8713.81	3.2	182.85	832670	10.0608 ng/ml
Trazodone	5.054	19393	9457.91	74.4	405.76	75254	10.8600 ng/ml
Venlafaxine	5.050	100866	717.90	34.0	235.29	585114	10.1562 ng/ml
Zolpidem	4.833	183850	36988.24	30.5	1158.25	816669	10.0046 ng/ml

*Outside curve range

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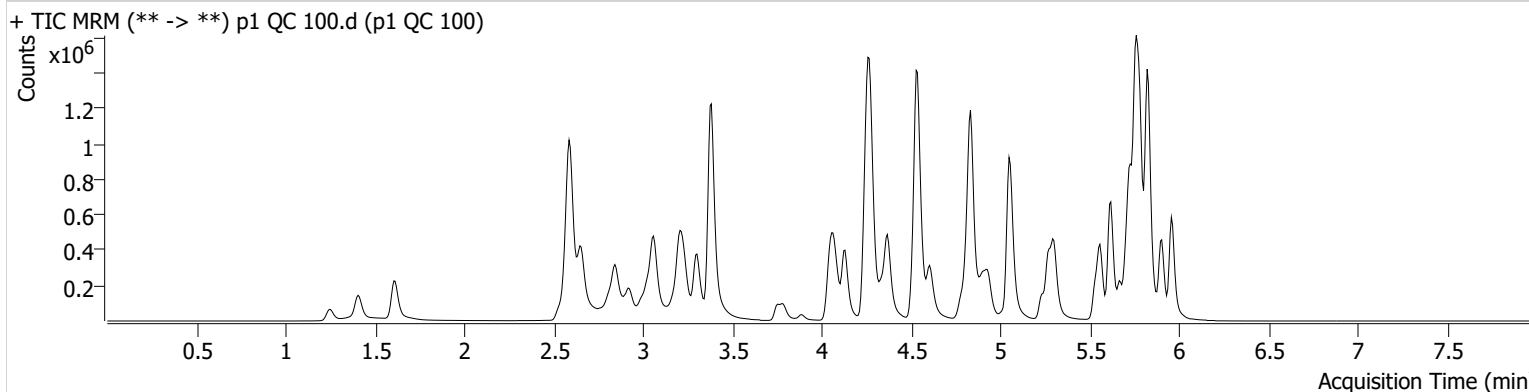


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Calibration Last Update 1/13/2022 8:00:24 AM

Instrument	Falco (069901)	Data File	p1 QC 100.d
Type	QC	Sample	p1 QC 100
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P2-B2	Comment	
Injection Volume	2		
Acq. Date-Time	1/6/2022 8:05:11 AM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.145	18964	394.12	72.2	2174.61	44768	10.1656 ng/ml
7-aminoclonazepam	4.258	317169	9225.06	77.4	42351.53	124310	104.7217 ng/ml
a-hydroxyalprazolam	5.699	194265	1592.55	69.7	917.72	248680	99.9100 ng/ml
alpha-PHP	4.937	125563	2556.21	262.7	18146.89	279491	93.2267 ng/ml
alpha-PVP	4.370	574279	2730.28	50.3	6284.89	279491	93.7152 ng/ml
Alprazolam	5.782	738696	∞	107.8	1679.69	248680	96.0495 ng/ml
Amphetamine	3.063	859686	9109.74	46.7	4260.48	100144	107.9719 ng/ml
Benzoylecgonine	3.886	36535	533.65	8.2	126071.79	9540	106.3893 ng/ml
Buprenorphine	5.683	2856	265.81	17.5	270.20	11000	9.9043 ng/ml
Bupropion	4.788	194943	32074.95	64.0	420.77	75498	96.7458 ng/ml
Carisoprodol	5.730	688187	1356731.52	52.5	278.71	314362	96.1577 ng/ml
Citalopram	5.232	176845	9329.14	36.6	521.65	84793	97.0278 ng/ml
Clonazepam	5.618	1002702	1197.73	33.6	102356.57	122149	106.8827 ng/ml
Clonazepam	5.555	555360	614564.99	32.9	353936.71	122149	106.7351 ng/ml
Cocaine	4.271	716970	536.96	54.7	742.42	612099	100.6943 ng/ml
Codeine	2.587	113167	159.56	104.5	253.51	54752	106.0587 ng/ml
Cyclobenzaprine	5.635	37423	15050.35	8.2	68.95	18727	89.1390 ng/ml
Dextromethorphan	5.282	72492	155022.99	79.6	23744.30	35242	100.5016 ng/ml
Dextrophan	4.132	202404	15988.02	218.8	1790.83	274221	95.7947 ng/ml
Diazepam	5.960	506855	527.13	91.1	14715.85	249997	102.6341 ng/ml
Dihydrocodeine	2.565	289595	175.66	61.3	629.56	181943	108.0745 ng/ml
Diphenhydramine	5.303	450643	19878.81	30.1	5927.49	270137	101.2057 ng/ml
Doxylamine	4.536	1724544	118036.90	101.6	186197.68	765932	97.0184 ng/ml
EDDP	5.268	372498	17973.13	42.2	4798.35	225226	97.8924 ng/ml
Etizolam	5.826	324440	15263.69	27.0	4729.38	122149	95.9115 ng/ml
Fentanyl	5.089	4444	253.49	75.0	10497.92	31461	9.2363 ng/ml
Flualprazolam	5.712	245919	4529.70	100.6	18893.56	248680	99.6384 ng/ml
Fluoxetine	5.727	28149	2056.58	8.9	24831.33	11587	87.6924 ng/ml
Hydrocodone	3.025	375246	234.92	32.0	433.23	225404	104.8791 ng/ml
Hydromorphone	1.615	363947	809334.56	72.8	1782756.22	117677	103.3431 ng/ml
Ketamine	4.051	579011	1559.94	38.8	613.93	261022	103.5059 ng/ml
Lamotrigine	4.287	70797	7901.59	86.1	29249.66	261022	106.3414 ng/ml
Levetiracetam	2.656	385975	1166.61	140.1	9750.43	871104	91.7653 ng/ml

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AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.753	688554	16285.57	50.9	1535.96	122149	96.4407 ng/ml
MDA	3.209	758893	4660.47	25.4	1985.69	203104	106.7136 ng/ml
MDMA	3.303	515785	9231.85	83.5	4930.58	59543	100.7942 ng/ml
Meprobamate	4.911	367678	890698.21	24.9	1369.20	221994	100.7750 ng/ml
Methadone	5.673	176491	1105.47	54.0	434.43	78679	95.9238 ng/ml
Methamphetamine	3.231	438789	4994.41	39.4	3521.39	225668	102.8646 ng/ml
Metoprolol	4.340	161270	1259.63	93.1	6317.77	898537	99.9750 ng/ml
Mirtazapine	4.604	419532	107097.96	47.5	505.89	279491	77.4397 ng/ml
Mitragynine	5.216	26659	116861.92	34.7	25511.14	78679	98.8424 ng/ml
Morphine	1.253	60368	3229.51	20.1	106.36	11117	96.8252 ng/ml
Norbuprenorphine	4.999	378	2851.34	102.8	774.64	2060	7.8609 ng/ml
Nordiazepam	5.906	474573	937.57	59.2	2121.09	162780	100.8580 ng/ml
Norfentanyl	4.093	153519	15308.66	34.9	1156.38	708444	9.5895 ng/ml
Norhydrocodone	3.080	33385	92.36	38.7	941.15	37694	91.8292 ng/ml
Noroxycodone	2.923	334140	1684.17	49.5	7276.65	100576	103.0561 ng/ml
O-desmethyl-tramadol	3.383	2001002	2091.85	5.6	262.75	1213593	96.2251 ng/ml
Oxazepam	5.763	860194	∞	75.0	6412.85	357949	103.9573 ng/ml
Oxycodone	2.841	749291	6573.61	29.7	2097.71	297157	101.4010 ng/ml
Oxymorphone	1.405	269954	∞	48.7	127.71	85059	96.8636 ng/ml
Phentermine	3.790	187512	343.54	4.4	344.79	248134	98.9853 ng/ml
Promethazine	5.552	82118	38778.51	31.3	46.03	39682	93.6179 ng/ml
Pseudoephedrine	2.596	1749749	71033.96	16.3	27656.74	871104	97.4085 ng/ml
Quetiapine	5.528	285272	752.73	55.9	15020.23	37403	101.4492 ng/ml
Sertraline	5.796	12123	320.05	87.5	2921.99	6002	85.0336 ng/ml
Temazepam	5.830	1431782	11457.92	27.7	1873.94	773564	100.9556 ng/ml
Tramadol	4.252	1703860	13839.54	3.3	1357.13	898537	98.8203 ng/ml
Trazodone	5.054	198910	369589.02	76.6	644676.67	82594	107.3327 ng/ml
Venlafaxine	5.050	1058543	2585.10	35.3	10573.37	629530	97.0903 ng/ml
Zolpidem	4.833	1983146	1871.21	29.8	1439.59	870365	102.6160 ng/ml

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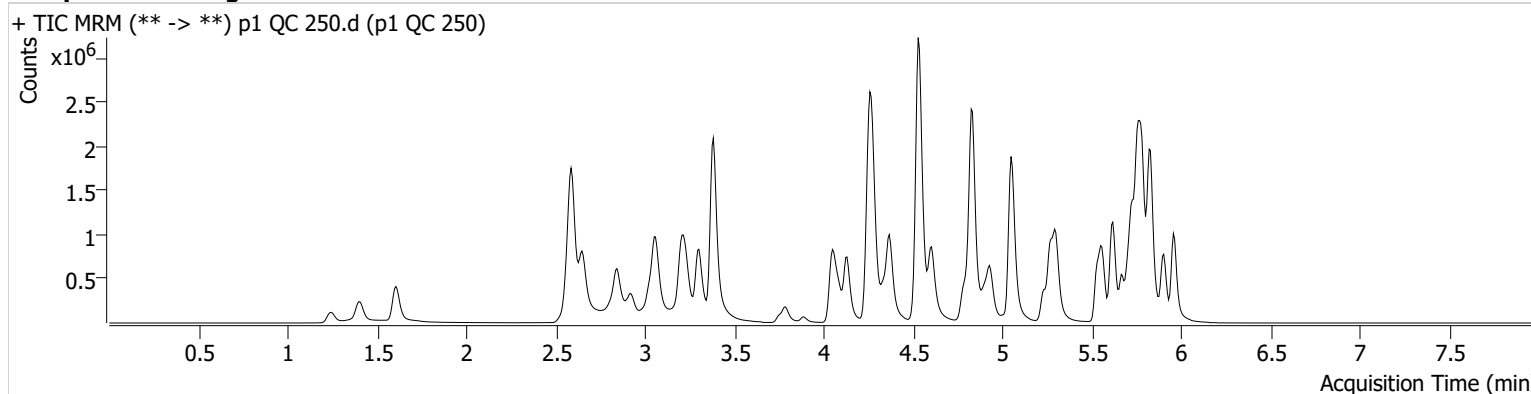


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Calibration Last Update 1/13/2022 8:00:24 AM

Instrument	Falco (069901)	Data File	p1 QC 250.d
Type	QC	Sample	p1 QC 250
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P2-C2	Comment	
Injection Volume	2		
Acq. Date-Time	1/5/2022 11:03:39 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.145	42458	913.60	69.5	∞	41337	24.6808 ng/ml
7-aminoclonazepam	4.258	592916	196.53	81.1	237.13	104828	233.0189 ng/ml
a-hydroxyalprazolam	5.699	311245	1659.54	70.1	562.61	181443	220.0777 ng/ml
alpha-PHP	4.937	325495	24062.07	264.9	120609.91	261289	258.4122 ng/ml
alpha-PVP	4.370	1400674	31252.04	50.4	3924.86	261289	244.3234 ng/ml
Alprazolam	5.782	1447771	11996.12	107.1	4667.00	181443	256.7401 ng/ml
Amphetamine	3.063	1879059	2086.24	47.2	336.16	92508	256.2393 ng/ml
Benzoylecgonine	3.886	74812	118.85	8.4	∞	8054	257.0769 ng/ml
Buprenorphine	5.683	8032	12442.22	13.7	1159.51	11919	26.1063 ng/ml
Bupropion	4.788	567446	28369.35	64.6	8583.84	85257	249.6111 ng/ml
Carisoprodol	5.730	1211954	3854287.80	51.8	347.37	214560	246.8128 ng/ml
Citalopram	5.232	520256	31625.09	36.2	4974.24	96698	250.3257 ng/ml
Clonazepam	5.618	1833276	29375.83	35.2	25089.96	94052	254.3136 ng/ml
Clonazepam	5.555	1047778	202484.22	34.4	11034.25	94052	263.1176 ng/ml
Cocaine	4.271	1501428	977.33	55.7	3155.72	519792	248.6019 ng/ml
Codeine	2.587	219816	2486.83	102.5	11825.02	44981	251.2713 ng/ml
Cyclobenzaprine	5.635	98516	14675.53	8.5	677.41	18024	242.5391 ng/ml
Dextromethorphan	5.282	195383	12590.14	81.1	200.41	38586	248.8741 ng/ml
Dextrophan	4.132	480991	13420.08	217.7	2382.30	248178	251.4763 ng/ml
Diazepam	5.960	1041026	658.56	91.1	18045.08	204450	257.9703 ng/ml
Dihydrocodeine	2.559	613355	297.81	61.9	567.65	159506	262.2275 ng/ml
Diphenhydramine	5.303	1253198	923.19	30.5	9990.28	298934	254.5341 ng/ml
Doxylamine	4.529	4273803	277107.13	99.3	21313.83	728865	252.4029 ng/ml
EDDP	5.268	1061763	1188.20	42.2	9209.39	251395	250.0315 ng/ml
Etizolam	5.826	648452	23397.10	26.7	2564.64	94052	248.9269 ng/ml
Fentanyl	5.089	12338	899.72	74.2	1657.69	31467	25.1105 ng/ml
Flualprazolam	5.712	470525	30887.03	103.0	22006.69	181443	261.3107 ng/ml
Fluoxetine	5.727	60754	8909.32	8.2	8285.53	8774	249.5802 ng/ml
Hydrocodone	3.025	790348	4871.12	32.6	198.75	195244	255.5319 ng/ml
Hydromorphone	1.608	756558	1334.57	75.1	1482079.06	97525	258.7810 ng/ml
Ketamine	4.051	1335830	75363.67	38.3	6479.37	246511	253.6842 ng/ml
Lamotrigine	4.287	145297	13052.60	88.2	6514.39	246511	231.1492 ng/ml
Levetiracetam	2.649	772948	443.91	141.2	419.10	726692	221.1597 ng/ml

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AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
* Lorazepam	5.753	927512	38510.11	52.4	988.81	94052	170.1822 ng/ml
MDA	3.209	1624630	10070.83	25.5	2244.00	181962	255.7154 ng/ml
MDMA	3.303	1200843	4177.78	84.2	35381.69	54275	257.4332 ng/ml
Meprobamate	4.911	684103	851.29	23.7	28439.69	176505	237.0906 ng/ml
Methadone	5.673	535049	36443.01	56.1	807.18	93271	244.7242 ng/ml
Methamphetamine	3.231	936966	15580.36	39.3	4174.45	197489	255.3020 ng/ml
Metoprolol	4.333	351116	2980.43	94.5	101377.60	742000	263.9192 ng/ml
Mirtazapine	4.604	1249865	9651.29	48.2	11427.09	261289	243.9078 ng/ml
Mitragynine	5.216	86127	331.92	34.4	37414.32	93271	270.2200 ng/ml
Morphine	1.247	129593	917.06	20.3	140.41	8997	257.0207 ng/ml
Norbuprenorphine	5.006	1112	769.27	85.8	2620.18	1998	26.2653 ng/ml
Nordiazepam	5.906	936962	1573.99	57.8	913.82	128748	252.0795 ng/ml
Norfentanyl	4.093	355159	2071.01	35.5	378.98	637193	24.6205 ng/ml
Norhydrocodone	3.073	71574	236.51	39.5	447.74	27840	264.5175 ng/ml
Noroxycodone	2.916	659924	330.65	49.0	10417.57	80099	256.3609 ng/ml
O-desmethyl-tramadol	3.383	4443159	107427.89	5.6	759.33	1040934	249.0584 ng/ml
Oxazepam	5.763	1351609	10500.69	74.6	4497.66	229889	254.7771 ng/ml
Oxycodone	2.841	1633177	5899.56	29.9	1013.01	259997	252.9051 ng/ml
Oxymorphone	1.398	574316	∞	45.9	∞	67133	261.7040 ng/ml
Phentermine	3.790	436965	2999.34	4.5	61.89	228254	252.5143 ng/ml
Promethazine	5.552	215824	11659.88	31.5	551.10	38523	253.3693 ng/ml
Pseudoephedrine	2.589	3785262	114471.11	16.0	83081.18	726692	252.0247 ng/ml
Quetiapine	5.528	855220	6130.81	59.2	672836.03	46969	242.2716 ng/ml
Sertraline	5.796	25613	1067.97	93.2	5856.39	4609	226.2920 ng/ml
Temazepam	5.830	2425665	30948.87	27.5	843.35	530250	249.6831 ng/ml
Tramadol	4.252	3652047	867.60	3.3	1025.72	742000	257.3916 ng/ml
Trazodone	5.054	563645	238553.99	78.6	1999.46	98416	256.2118 ng/ml
Venlafaxine	5.050	2508259	114716.22	33.9	18054.10	576426	250.8955 ng/ml
Zolpidem	4.833	4535846	138245.83	28.7	152630.22	807702	253.1296 ng/ml

*Outside curve range

201

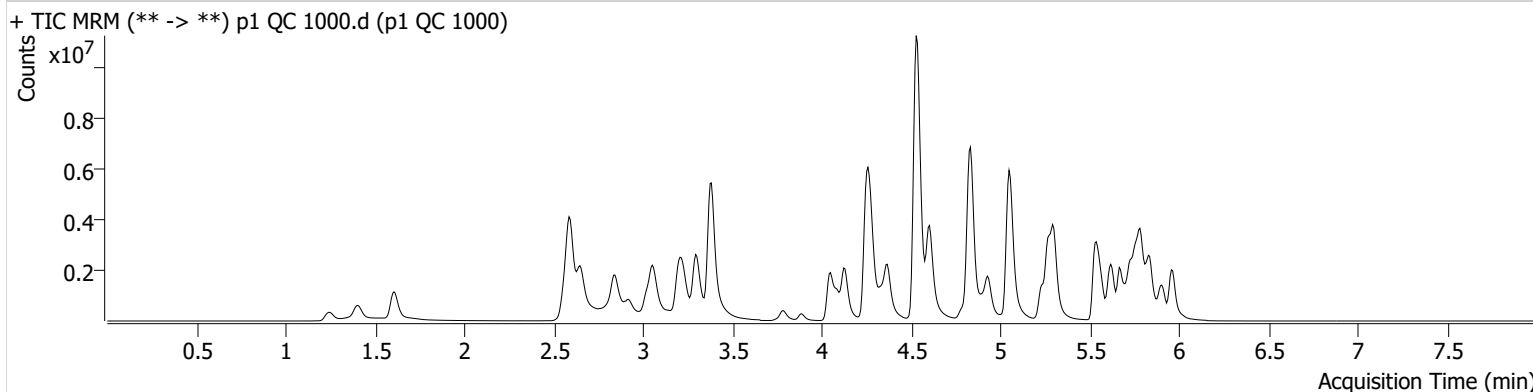


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Calibration Last Update 1/13/2022 8:00:24 AM

Instrument	Falco (069901)	Data File	p1 QC 1000.d
Type	QC	Sample	p1 QC 1000
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P2-D2	Comment	
Injection Volume	2		
Acq. Date-Time	1/5/2022 11:24:52 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.138	165299	1140.88	68.9	800.90	38958	102.0275 ng/ml
* 7-aminoclonazepam	4.251	1169273	16139.05	79.5	1039.40	76134	633.9423 ng/ml
* a-hydroxyalprazolam	5.692	463644	239.49	68.8	442.25	108869	547.2329 ng/ml
alpha-PHP	4.937	952753	62877.26	263.1	1727.48	151712	1302.5100 ng/ml
alpha-PVP	4.370	3128567	1599.88	51.5	677.12	151712	939.5843 ng/ml
Alprazolam	5.782	3485461	∞	104.6	∞	108869	1027.8632 ng/ml
Amphetamine	3.056	4347744	166.90	46.6	160.00	64944	845.8065 ng/ml
Benzoylcegonine	3.886	333763	280.28	8.0	84231.33	7959	1158.1834 ng/ml
Buprenorphine	5.683	28479	52864.20	15.4	1641.69	11328	98.0781 ng/ml
Bupropion	4.788	582560	139295.58	64.2	7043.19	24788	881.7863 ng/ml
Carisoprodol	5.737	2203667	1034131.64	52.0	12229.36	92475	1038.6033 ng/ml
Citalopram	5.232	2083859	41470.28	36.7	55218.96	92553	1047.6102 ng/ml
Clonazepam	5.618	3917032	20012.75	34.2	352.05	56956	898.2349 ng/ml
Clonazepam	5.562	2235231	760517.73	34.9	164573.61	56956	929.6601 ng/ml
Cocaine	4.271	4465499	947.04	54.7	1117.37	377024	1019.9766 ng/ml
Codeine	2.580	580983	128.89	93.2	191.23	34135	876.0758 ng/ml
Cyclobenzaprine	5.635	495102	251.63	7.9	2397.30	21477	1020.5272 ng/ml
Dextromethorphan	5.282	732027	3546.88	79.1	7084.80	36553	987.2901 ng/ml
Dextrophan	4.132	1603664	34937.02	217.9	26249.58	195448	1064.5334 ng/ml
Diazepam	5.967	2579044	12227.12	92.0	65084.49	136139	960.1534 ng/ml
Dihydrocodeine	2.559	1821340	22749.65	62.7	201.54	153838	809.0187 ng/ml
Diphenhydramine	5.303	5170859	196705.69	30.7	10686.71	300038	1046.7909 ng/ml
Doxylamine	4.529	16733933	571153.10	97.9	19688.82	717458	1003.5111 ng/ml
EDDP	5.268	4498069	1005.18	41.4	37302.87	248169	1073.1047 ng/ml
Etizolam	5.826	1649208	2760.20	26.7	499174.18	56956	1045.3679 ng/ml
Fentanyl	5.089	64764	3483.79	74.2	89789.86	35050	117.2255 ng/ml
Flualprazolam	5.712	971912	5235.49	111.5	42406.95	108869	899.6108 ng/ml
Fluoxetine	5.727	182983	1374300.13	8.8	200.26	6298	1046.6569 ng/ml
Hydrocodone	3.025	2532944	239.33	34.6	3927.54	175055	914.3059 ng/ml
Hydromorphone	1.608	2466686	13667783.13	75.4	9526755.85	76459	1075.2850 ng/ml
Ketamine	4.044	3705647	1749296.67	37.4	6830.19	174236	997.3277 ng/ml
* Lamotrigine	4.287	350587	19203.31	87.5	1084007.65	174236	789.2085 ng/ml
Levetiracetam	2.649	2052854	70558.57	143.8	687.69	512159	835.1358 ng/ml

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AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
* Lorazepam	5.753	1083658	34695.14	51.2	3449.72	56956	330.1500 ng/ml
MDA	3.203	4615216	23552.46	23.5	2037.11	141583	934.9828 ng/ml
MDMA	3.296	4261756	354498.29	84.1	117537.79	47417	1045.7363 ng/ml
* Meprobamate	4.911	1553775	198266.30	24.0	34976.38	135428	703.6778 ng/ml
Methadone	5.666	2426698	1385.05	53.4	79390.42	101205	1021.7317 ng/ml
Methamphetamine	3.231	2405556	17275.37	38.9	19624.80	141340	923.5900 ng/ml
Metoprolol	4.333	1060183	3321.21	97.7	1409.87	621433	952.0350 ng/ml
Mirtazapine	4.604	5865147	490214.36	46.4	8263.92	151712	1961.9623 ng/ml
Mitragynine	5.216	359249	5035.75	35.4	251754.87	101205	1040.1662 ng/ml
Morphine	1.247	420840	311.14	19.6	494.51	7568	992.5026 ng/ml
Norbuprenorphine	4.999	4369	9481.60	87.6	42.70	1990	107.1147 ng/ml
Nordiazepam	5.906	1894583	147728.89	58.1	2889.61	70767	927.9083 ng/ml
Norfentanyl	4.093	1424520	55436.80	35.6	7719.87	600487	104.6950 ng/ml
* Norhydrocodone	3.073	274415	∞	40.3	269.20	19981	1408.3896 ng/ml
Noroxycodone	2.916	1632212	1220.69	50.1	6094.00	52239	973.7228 ng/ml
O-desmethyl-tramadol	3.383	15067284	452160.46	5.5	184835.15	844987	1040.3488 ng/ml
Oxazepam	5.756	1533486	29922.79	74.4	2977.75	73424	905.8222 ng/ml
Oxycodone	2.841	5732142	1407.54	29.7	734.87	233727	988.0008 ng/ml
Oxymorphone	1.405	1639749	∞	50.2	108.02	58632	856.3422 ng/ml
Phentermine	3.790	1162541	∞	4.5	1389.56	165199	931.3023 ng/ml
Promethazine	5.552	1023609	1017.55	31.2	697.95	44868	1031.5948 ng/ml
Pseudoephedrine	2.596	11174359	187012.58	15.6	1709.94	512159	1054.4827 ng/ml
Quetiapine	5.528	4043638	153527.00	61.1	1502293.86	56572	951.2095 ng/ml
Sertraline	5.796	76901	37043.74	92.1	9829.94	3521	876.5497 ng/ml
Temazepam	5.837	3805110	16047.30	27.1	25237.53	217032	957.2564 ng/ml
Tramadol	4.252	11309323	879.67	3.2	8332.19	621433	953.2227 ng/ml
Trazodone	5.054	2654728	199196.36	77.9	171485.07	152493	780.2372 ng/ml
Venlafaxine	5.050	9239214	564353.25	31.7	63690.37	496952	1071.2379 ng/ml
Zolpidem	4.833	15335988	5827.81	28.1	205879.12	747708	924.9131 ng/ml

*Outside curve range

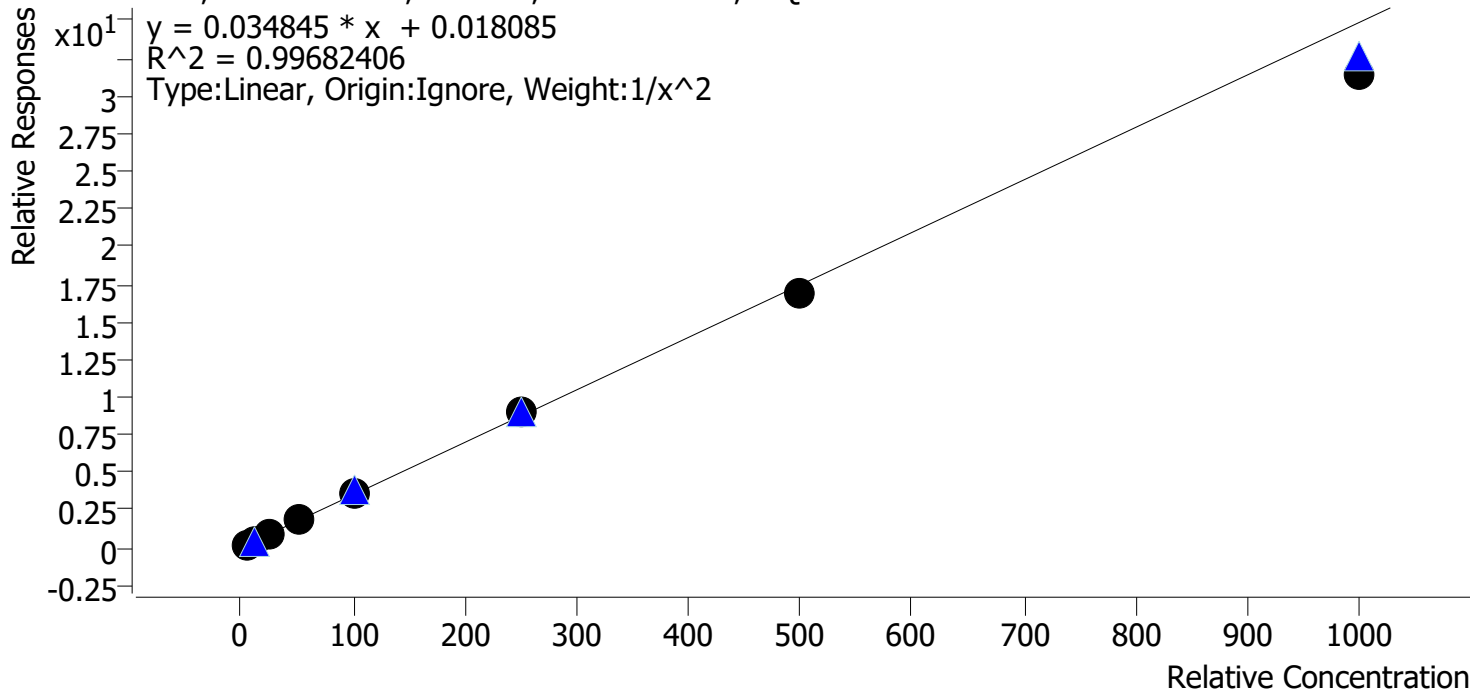
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 1/13/2022 8:00 AM
Analyst Name ISP\datastor
Analyte MDA **Internal Standard** MDA-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.7
p1 Cal 2-10ng	2	✓	10.0	10.2	102.1
p1 Cal 3 -25ng	3	✓	25.0	26.0	103.8
p1 Cal 4-50ng	4	✓	50.0	52.3	104.7
p1 Cal 5-100ng	5	✓	100.0	101.9	101.9
p1 Cal 6-250ng	6	✓	250.0	257.3	102.9
p1 Cal 7-500ng	7	✓	500.0	484.7	96.9
p1 Cal 8-1000ng	8	✓	1000.0	900.0	90.0

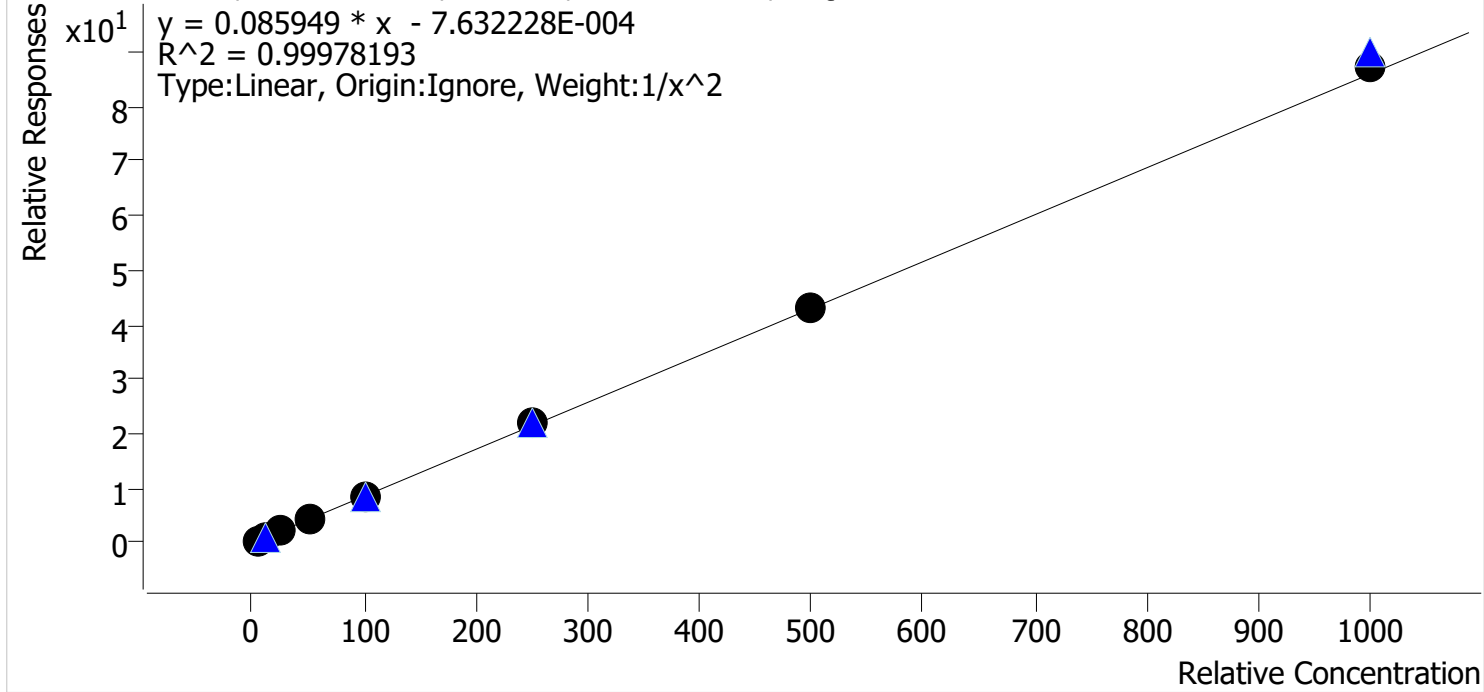
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 1/13/2022 8:00 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	100.8
p1 Cal 2-10ng	2	✓	10.0	9.9	99.4
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.1
p1 Cal 4-50ng	4	✓	50.0	49.5	99.0
p1 Cal 5-100ng	5	✓	100.0	99.5	99.5
p1 Cal 6-250ng	6	✓	250.0	254.4	101.8
p1 Cal 7-500ng	7	✓	500.0	499.8	100.0
p1 Cal 8-1000ng	8	✓	1000.0	1015.4	101.5

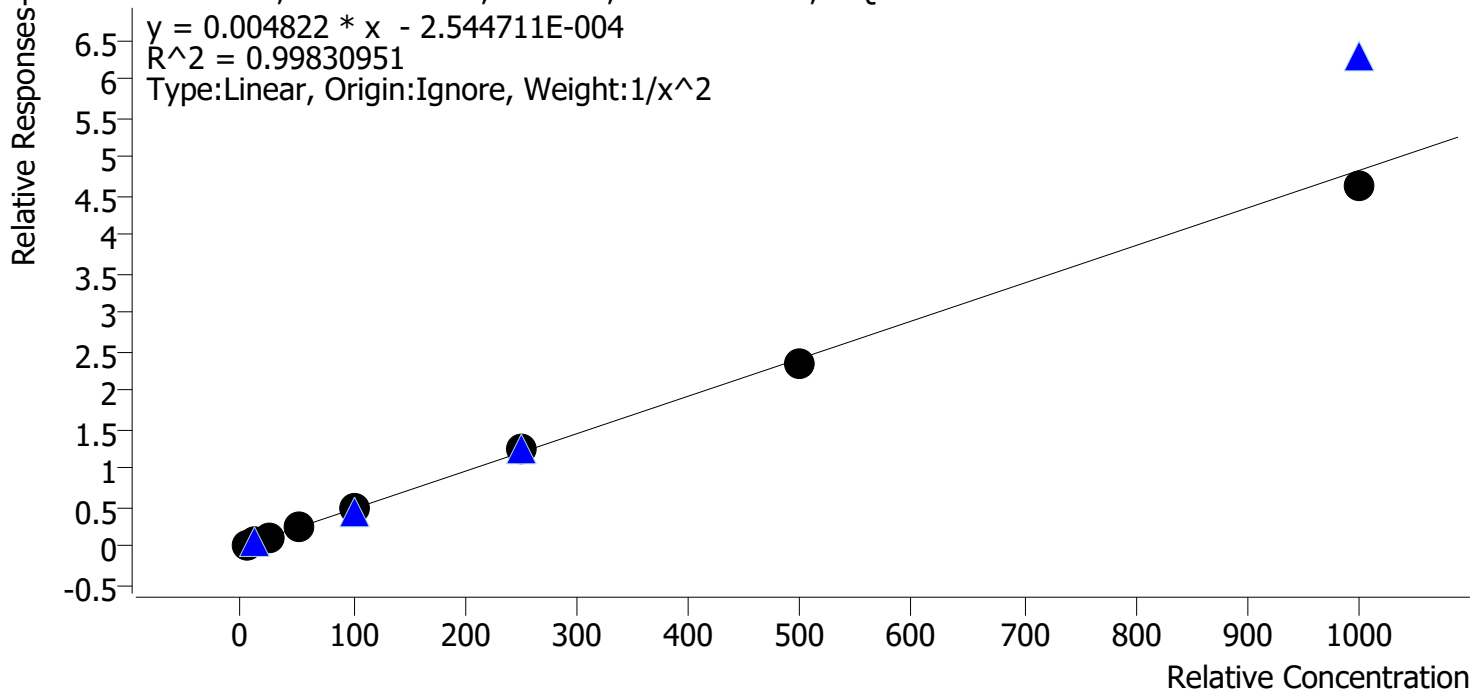
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 1/13/2022 8:00 AM
Analyst Name ISP\datastor
Analyte alpha-PHP **Internal Standard** alpha-PVP-d8

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



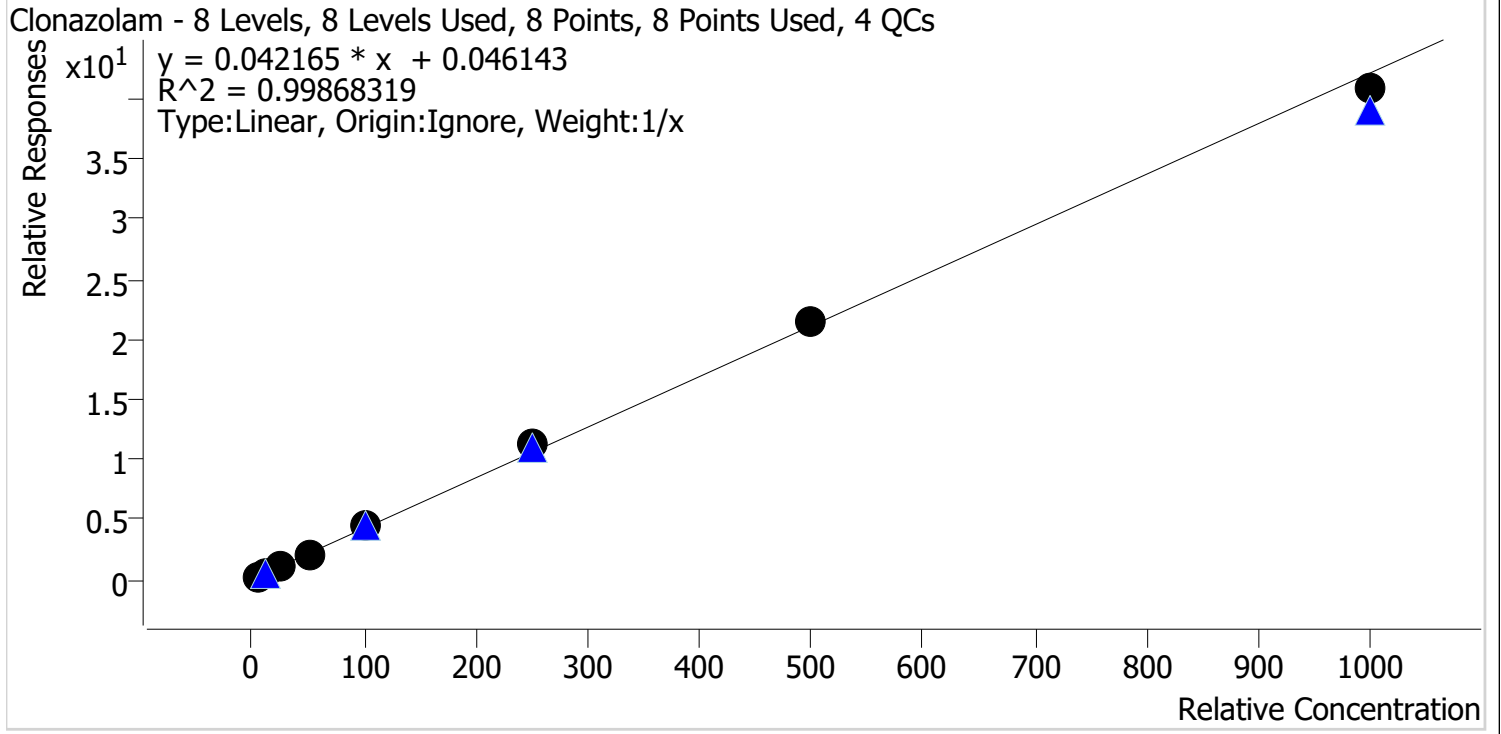
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.2
p1 Cal 2-10ng	2	✓	10.0	10.4	103.6
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.0
p1 Cal 4-50ng	4	✓	50.0	51.7	103.4
p1 Cal 5-100ng	5	✓	100.0	99.7	99.7
p1 Cal 6-250ng	6	✓	250.0	262.5	105.0
p1 Cal 7-500ng	7	✓	500.0	482.1	96.4
p1 Cal 8-1000ng	8	✓	1000.0	956.2	95.6

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 1/13/2022 8:00 AM
Analyst Name ISP\datastor
Analyte Clonazolam **Internal Standard** Clonazepam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.4	87.4
p1 Cal 2-10ng	2	✓	10.0	10.0	99.5
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.2
p1 Cal 4-50ng	4	✓	50.0	50.7	101.5
p1 Cal 5-100ng	5	✓	100.0	104.4	104.4
p1 Cal 6-250ng	6	✓	250.0	264.4	105.8
p1 Cal 7-500ng	7	✓	500.0	511.4	102.3
p1 Cal 8-1000ng	8	✓	1000.0	969.2	96.9

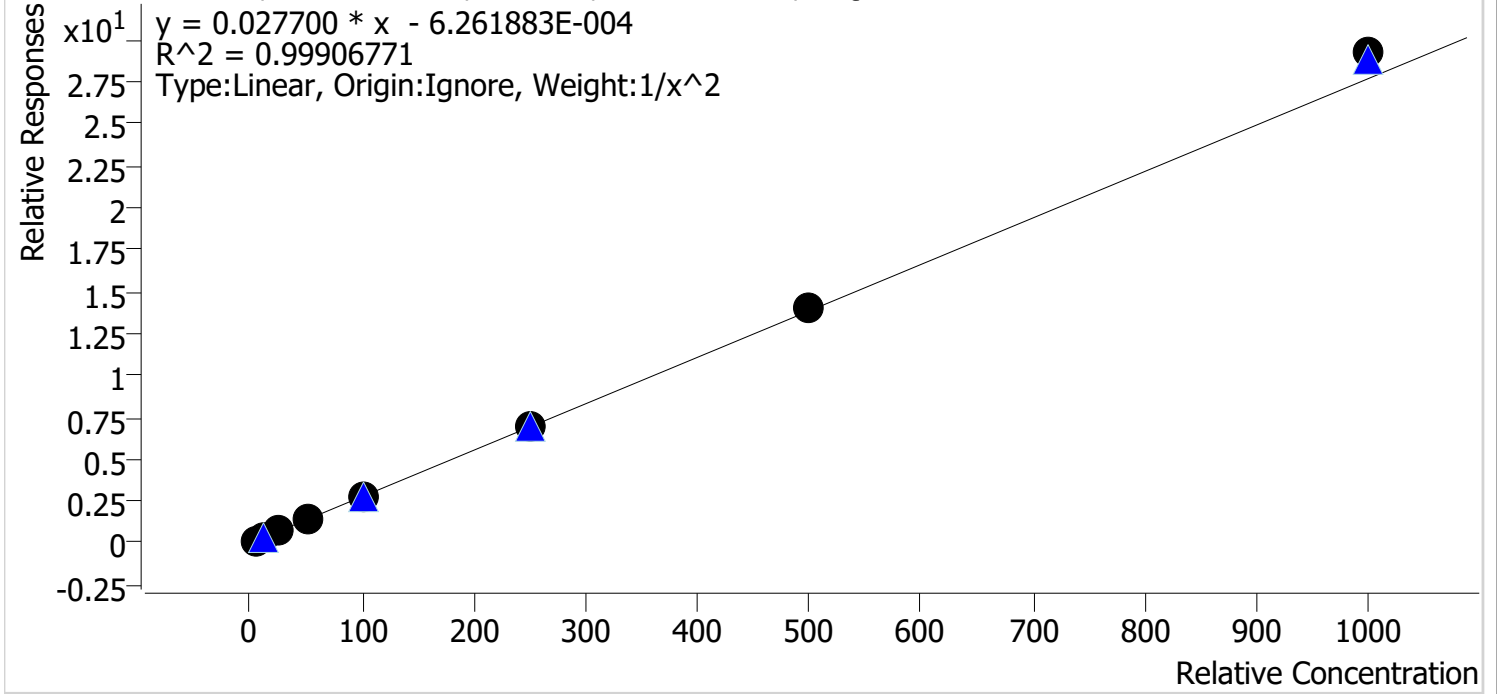
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 1/13/2022 8:00 AM
Analyst Name ISP\datastor
Analyte Etizolam **Internal Standard** Clonazepam-D4

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



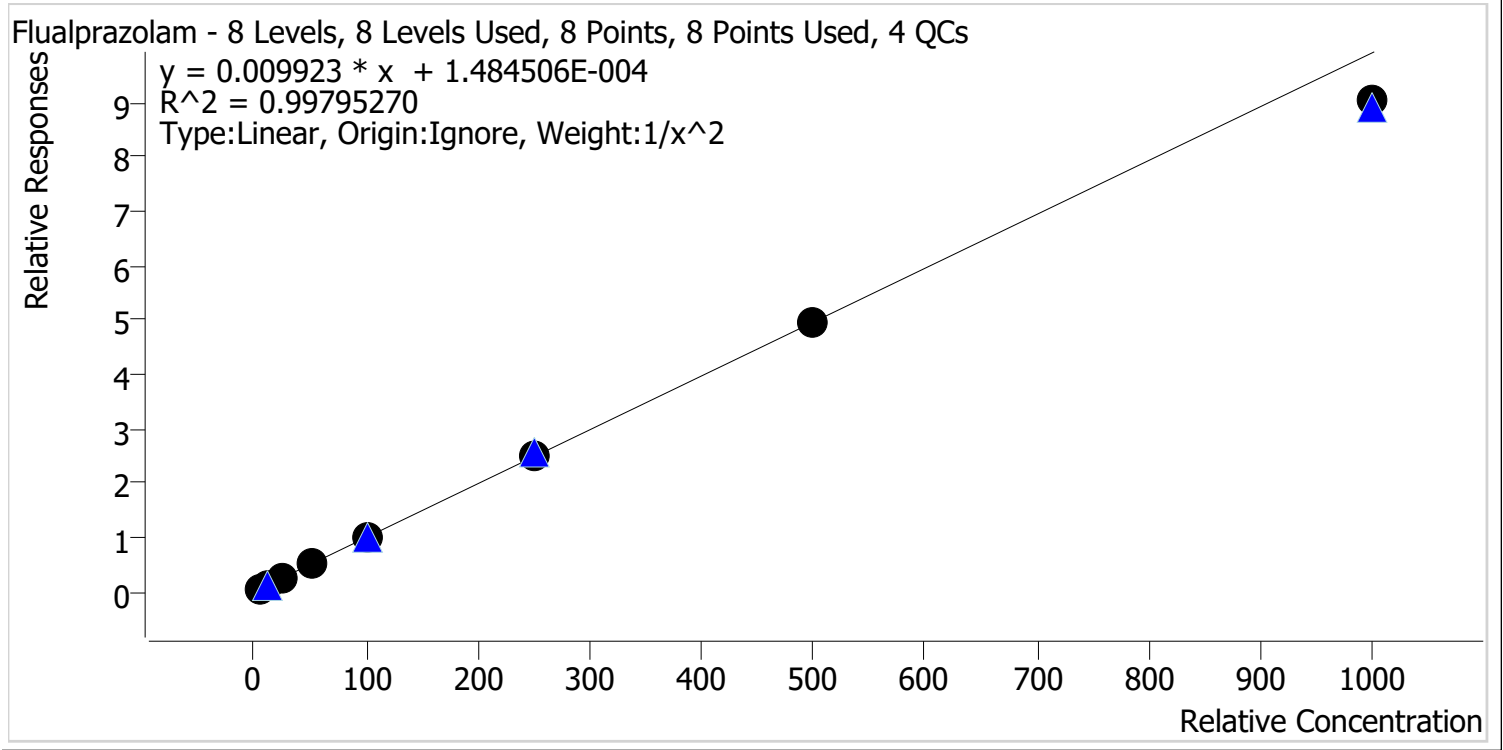
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.6
p1 Cal 2-10ng	2	✓	10.0	10.0	100.0
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.5
p1 Cal 4-50ng	4	✓	50.0	49.2	98.3
p1 Cal 5-100ng	5	✓	100.0	96.7	96.7
p1 Cal 6-250ng	6	✓	250.0	248.2	99.3
p1 Cal 7-500ng	7	✓	500.0	504.6	100.9
p1 Cal 8-1000ng	8	✓	1000.0	1056.2	105.6

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 1/13/2022 8:00 AM
Analyst Name ISP\datastor
Analyte Flualprazolam **Internal Standard** Alprazolam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.3
p1 Cal 2-10ng	2	✓	10.0	10.1	101.4
p1 Cal 3 -25ng	3	✓	25.0	25.7	102.9
p1 Cal 4-50ng	4	✓	50.0	51.8	103.5
p1 Cal 5-100ng	5	✓	100.0	100.3	100.3
p1 Cal 6-250ng	6	✓	250.0	254.9	102.0
p1 Cal 7-500ng	7	✓	500.0	502.3	100.5
p1 Cal 8-1000ng	8	✓	1000.0	911.3	91.1

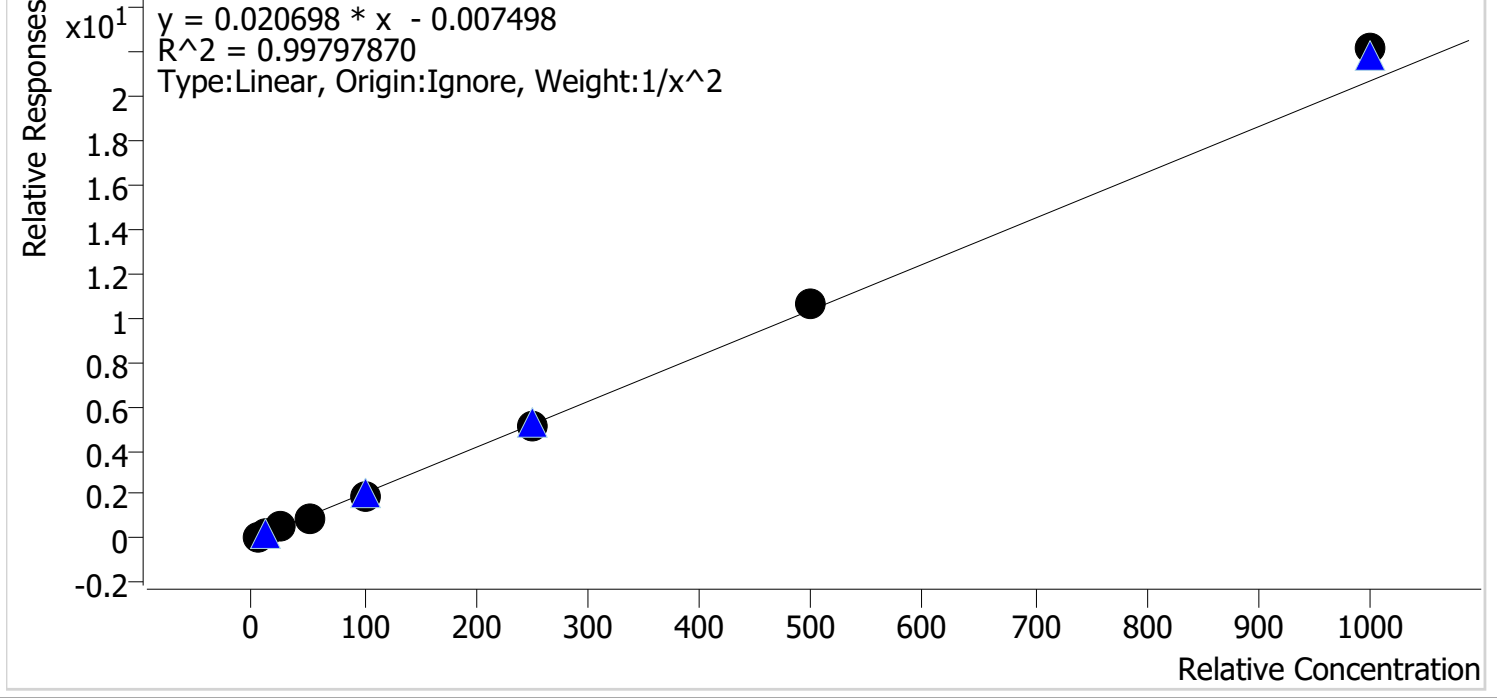
2/21



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 1/13/2022 8:00 AM
Analyst Name ISP\datastor
Analyte Pseudoephedrine **Internal Standard** Pseudoephedrine-D3

Pseudoephedrine - 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	101.1
p1 Cal 2-10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.7
p1 Cal 4-50ng	4	✓	50.0	47.6	95.3
p1 Cal 5-100ng	5	✓	100.0	95.8	95.8
p1 Cal 6-250ng	6	✓	250.0	249.5	99.8
p1 Cal 7-500ng	7	✓	500.0	516.5	103.3
p1 Cal 8-1000ng	8	✓	1000.0	1070.5	107.1

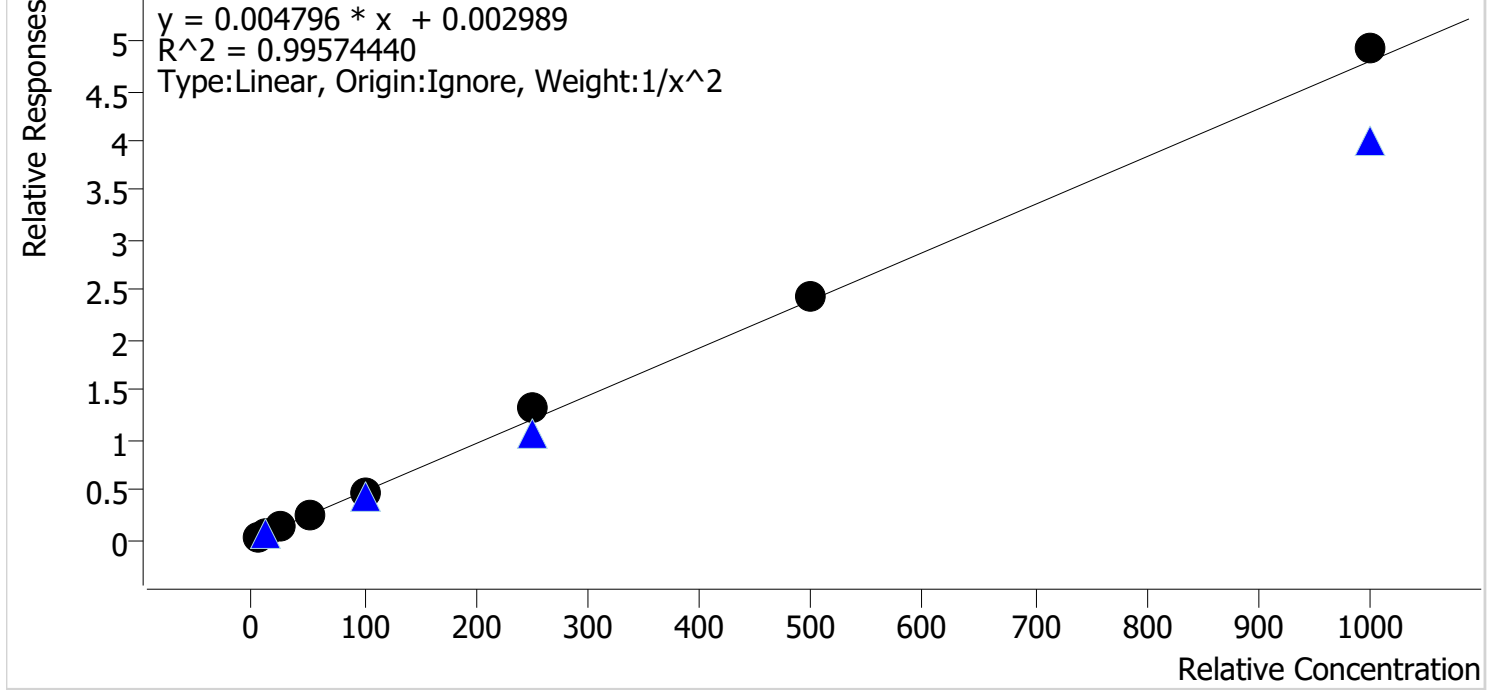
2/21



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 1/13/2022 8:00 AM
Analyst Name ISP\datastor
Analyte Levetiracetam **Internal Standard** Pseudoephedrine-D3

Levetiracetam - 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	104.4
p1 Cal 2-10ng	2	✓	10.0	9.4	93.8
p1 Cal 3 -25ng	3	✓	25.0	24.0	95.8
p1 Cal 4-50ng	4	✓	50.0	47.4	94.8
p1 Cal 5-100ng	5	✓	100.0	97.3	97.3
p1 Cal 6-250ng	6	✓	250.0	276.0	110.4
p1 Cal 7-500ng	7	✓	500.0	504.3	100.9
p1 Cal 8-1000ng	8	✓	1000.0	1026.3	102.6

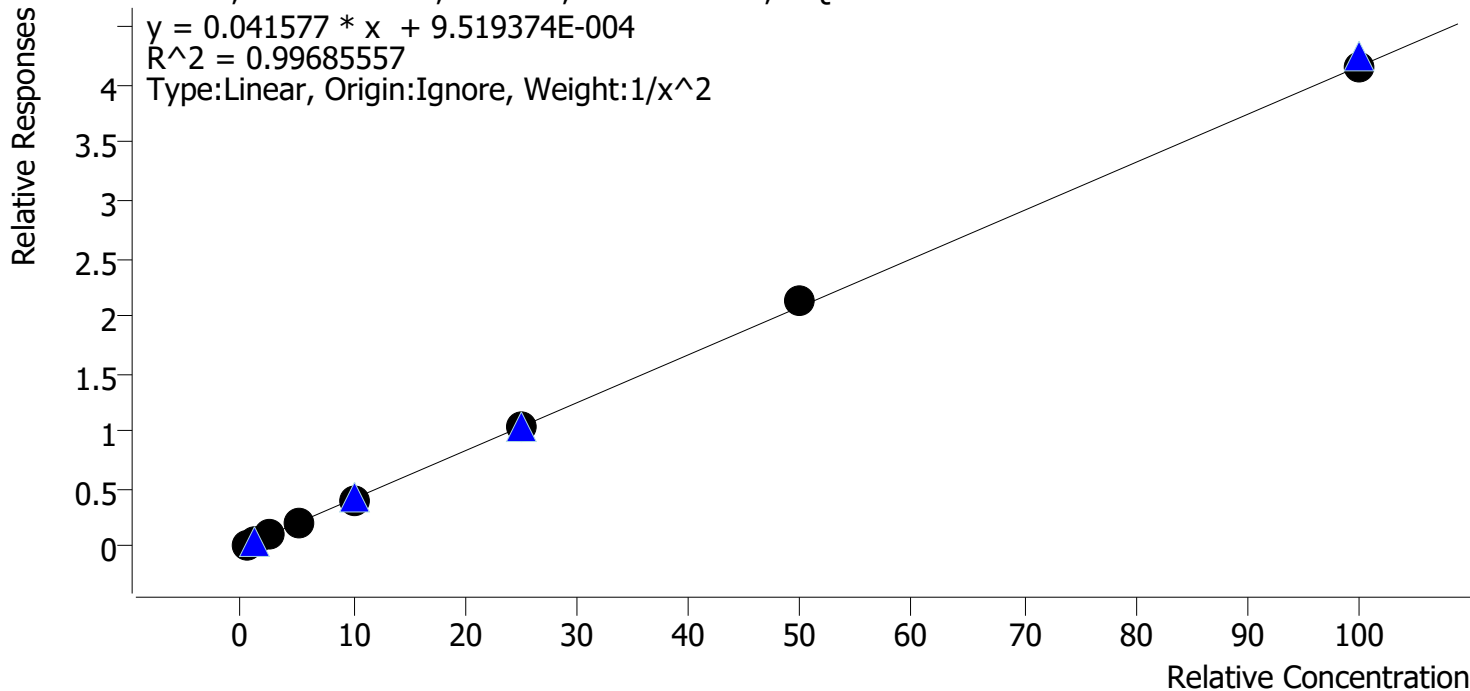
2/21



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 1/13/2022 8:00 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	95.2
p1 Cal 2-10ng	2	✓	1.0	1.1	110.6
p1 Cal 3 -25ng	3	✓	2.5	2.5	98.8
p1 Cal 4-50ng	4	✓	5.0	5.0	99.3
p1 Cal 5-100ng	5	✓	10.0	9.5	95.3
p1 Cal 6-250ng	6	✓	25.0	24.7	98.6
p1 Cal 7-500ng	7	✓	50.0	51.1	102.2
p1 Cal 8-1000ng	8	✓	100.0	99.8	99.8

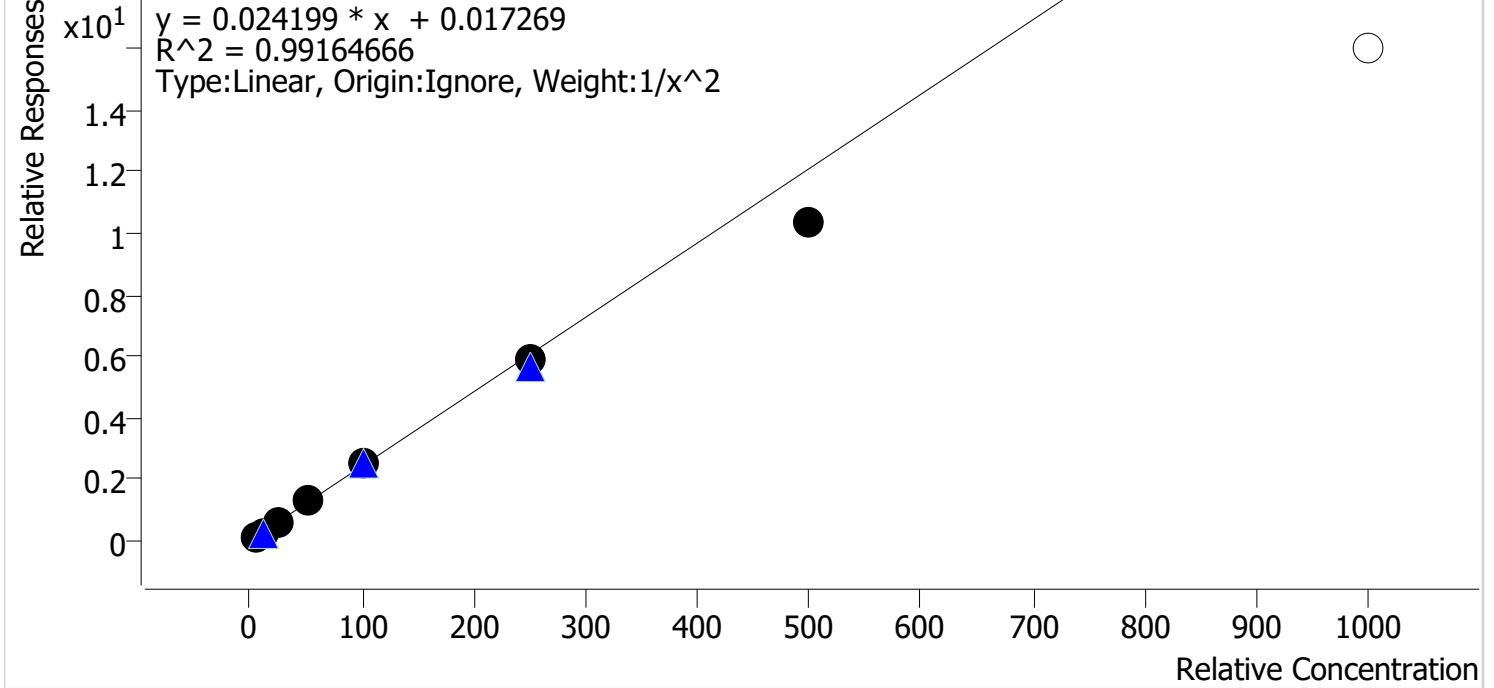
2/21



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 1/13/2022 8:00 AM
Analyst Name ISP\datastor
Analyte 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4

7-aminoclonazepam - 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	97.9
p1 Cal 2-10ng	2	✓	10.0	10.0	100.0
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.7
p1 Cal 4-50ng	4	✓	50.0	54.6	109.2
p1 Cal 5-100ng	5	✓	100.0	104.1	104.1
p1 Cal 6-250ng	6	✓	250.0	244.5	97.8
p1 Cal 7-500ng	7	✓	500.0	426.2	85.2
p1 Cal 8-1000ng	8	✗	1000.0	661.3	66.1

Cal 8 dropped due to accuracy

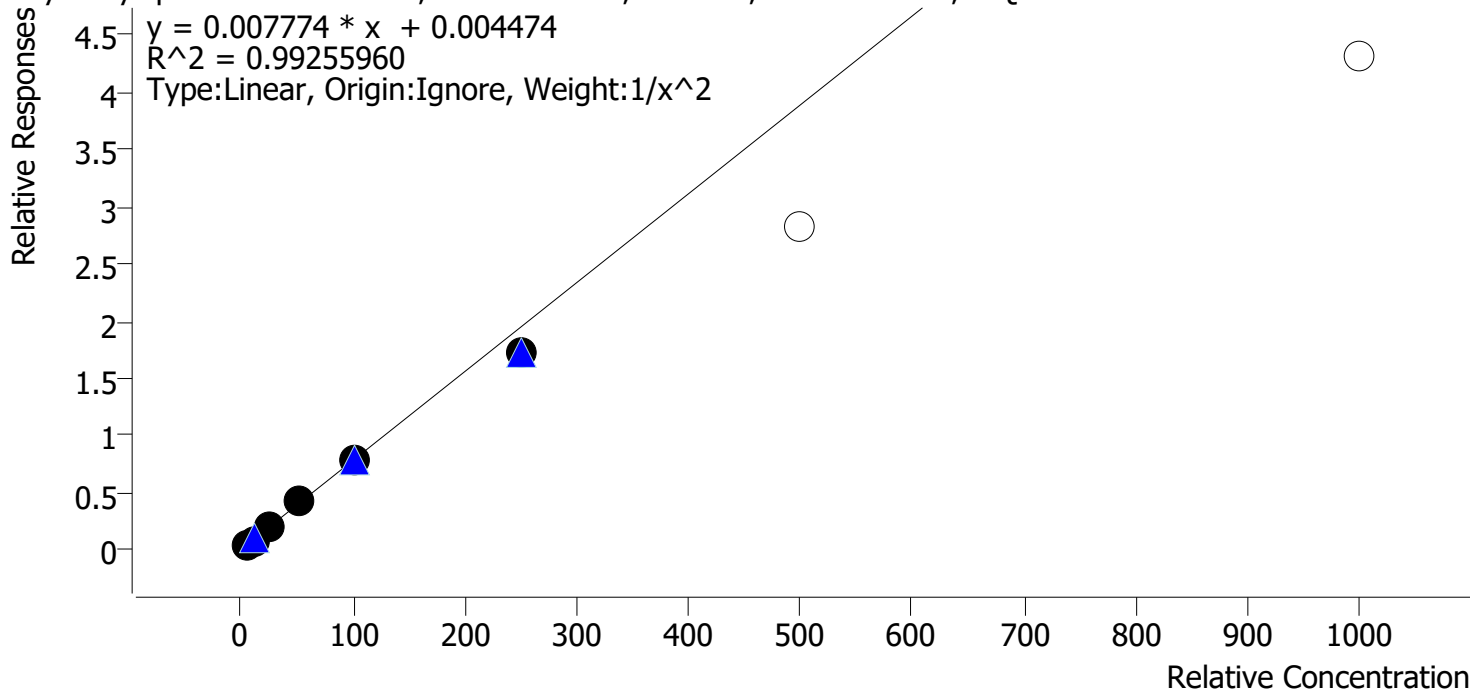
2/21



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 1/13/2022 8:00 AM
Analyst Name ISP\datastor
Analyte a-hydroxyalprazolam **Internal Standard** Alprazolam-D5

a-hydroxyalprazolam - 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	4.9	98.3
p1 Cal 2-10ng	2	✓	10.0	10.0	99.8
p1 Cal 3 -25ng	3	✓	25.0	26.6	106.4
p1 Cal 4-50ng	4	✓	50.0	54.1	108.1
p1 Cal 5-100ng	5	✓	100.0	99.2	99.2
p1 Cal 6-250ng	6	✓	250.0	220.6	88.2
p1 Cal 7-500ng	7	x	500.0	362.0	72.4
p1 Cal 8-1000ng	8	x	1000.0	554.4	55.4

Cal 7 and 8 dropped due to accuracy

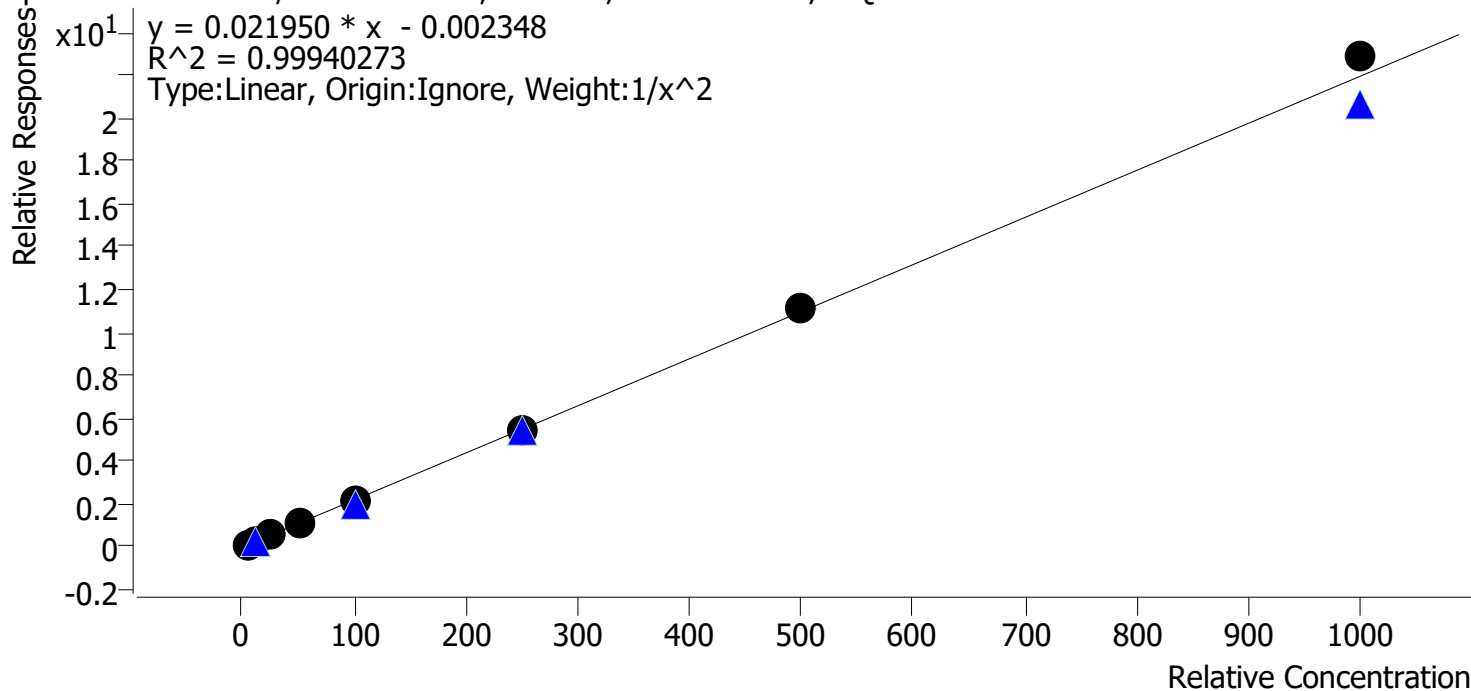
2/21



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 1/13/2022 8:00 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	100.5
p1 Cal 2-10ng	2	✓	10.0	9.9	99.4
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.1
p1 Cal 4-50ng	4	✓	50.0	49.6	99.2
p1 Cal 5-100ng	5	✓	100.0	96.8	96.8
p1 Cal 6-250ng	6	✓	250.0	246.7	98.7
p1 Cal 7-500ng	7	✓	500.0	505.4	101.1
p1 Cal 8-1000ng	8	✓	1000.0	1041.8	104.2

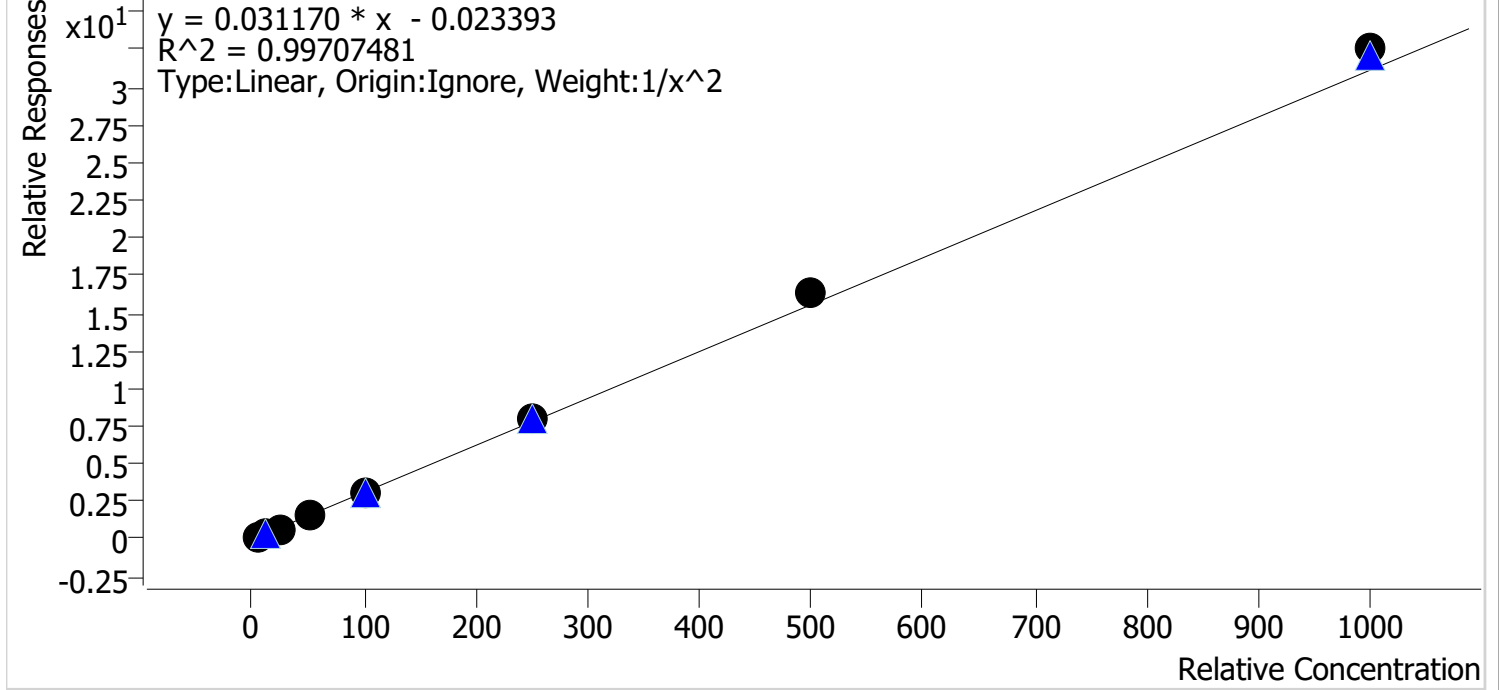
2/21



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 1/13/2022 8:00 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	103.6
p1 Cal 2-10ng	2	✓	10.0	9.6	96.5
p1 Cal 3 -25ng	3	✓	25.0	23.1	92.4
p1 Cal 4-50ng	4	✓	50.0	48.3	96.7
p1 Cal 5-100ng	5	✓	100.0	98.1	98.1
p1 Cal 6-250ng	6	✓	250.0	257.6	103.1
p1 Cal 7-500ng	7	✓	500.0	525.6	105.1
p1 Cal 8-1000ng	8	✓	1000.0	1045.9	104.6

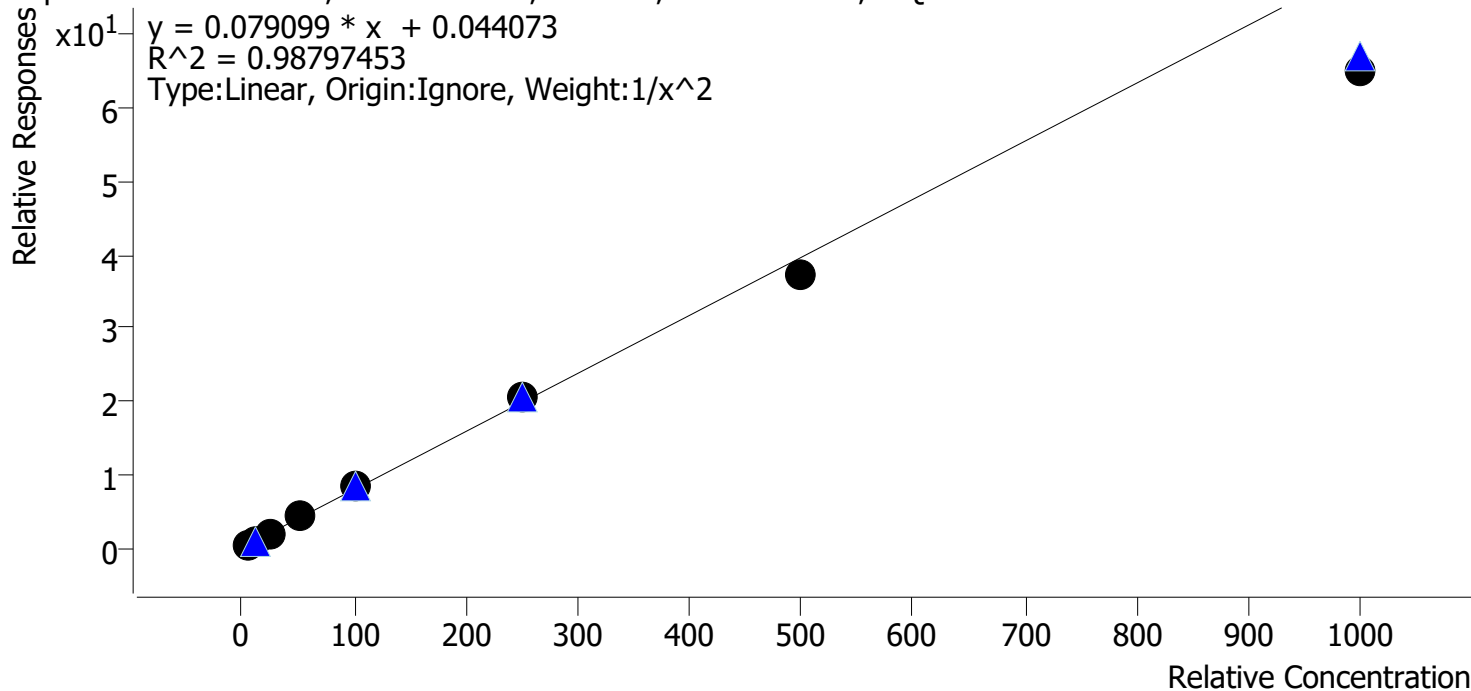
2/21



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 1/13/2022 8:00 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	4.9	97.4
p1 Cal 2-10ng	2	✓	10.0	10.1	100.9
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.4
p1 Cal 4-50ng	4	✓	50.0	57.5	115.0
p1 Cal 5-100ng	5	✓	100.0	105.8	105.8
p1 Cal 6-250ng	6	✓	250.0	257.2	102.9
p1 Cal 7-500ng	7	✓	500.0	467.9	93.6
p1 Cal 8-1000ng	8	✓	1000.0	820.8	82.1

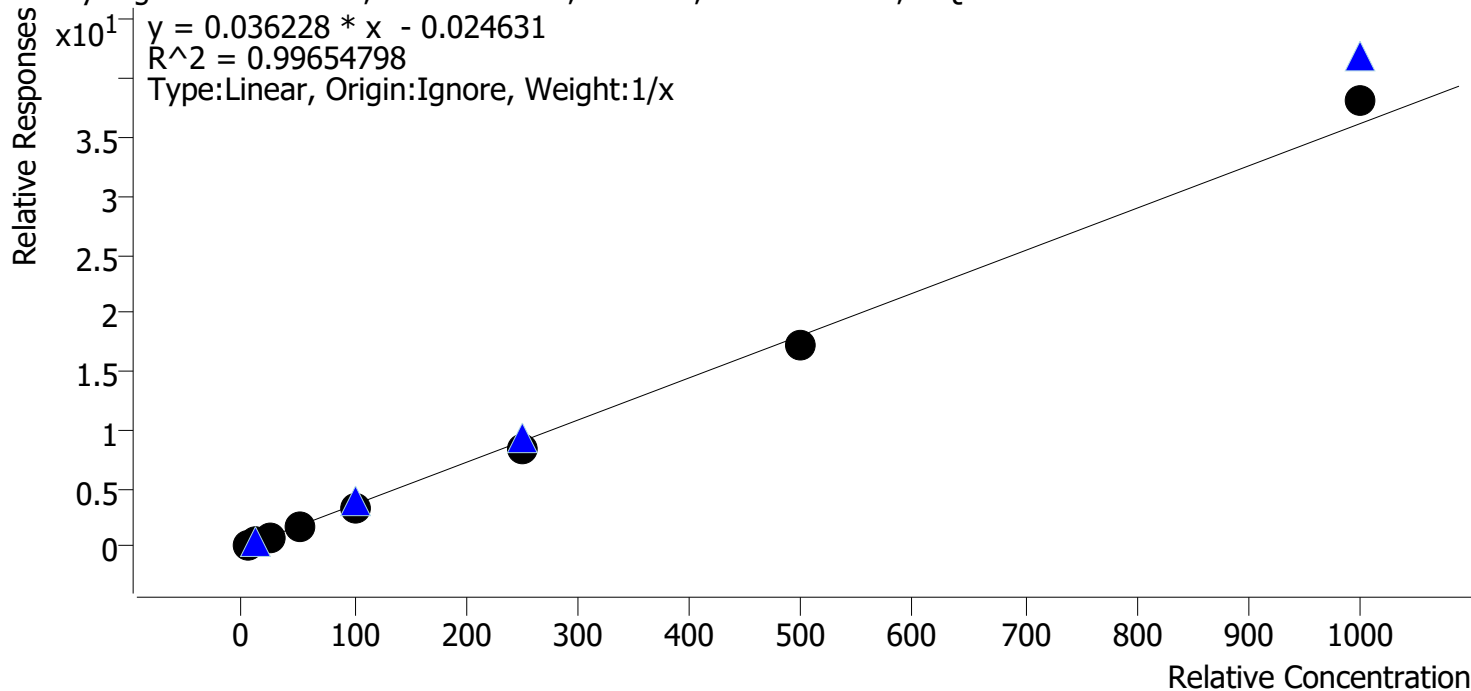
2/21



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 1/13/2022 8:00 AM
Analyst Name ISP\datastor
Analyte Benzoylecgonine **Internal Standard** Benzoylecgonine-d8

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.8	116.9
p1 Cal 2-10ng	2	✓	10.0	10.6	106.4
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.9
p1 Cal 4-50ng	4	✓	50.0	46.0	91.9
p1 Cal 5-100ng	5	✓	100.0	95.3	95.3
p1 Cal 6-250ng	6	✓	250.0	231.1	92.4
p1 Cal 7-500ng	7	✓	500.0	475.0	95.0
p1 Cal 8-1000ng	8	✓	1000.0	1051.9	105.2

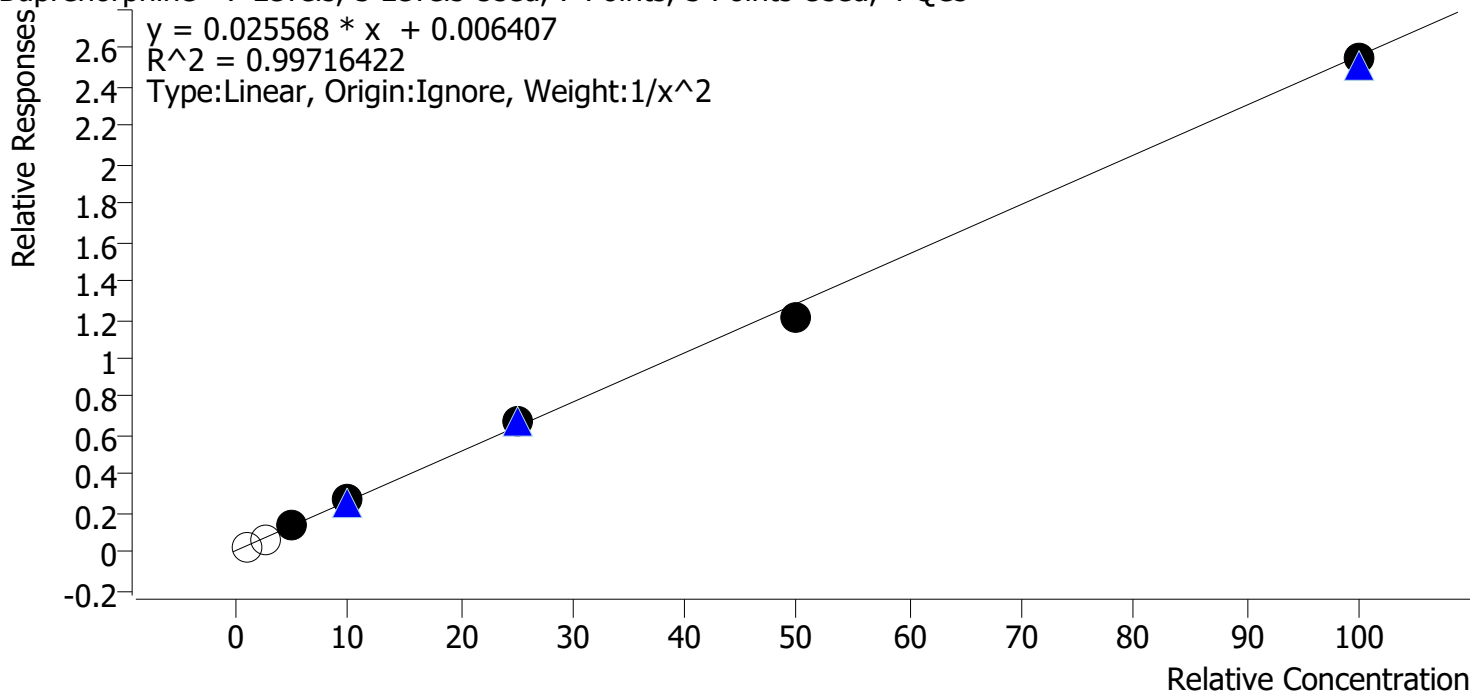
AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 1/13/2022 8:00 AM
Analyst Name ISP\datastor
Analyte Buprenorphine **Internal Standard** Buprenorphine-D4

Buprenorphine - 7 Levels, 5 Levels Used, 7 Points, 5 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 2-10ng	2	x	1.0	0.8	77.7
p1 Cal 3 -25ng	3	x	2.5	2.3	91.5
p1 Cal 4-50ng	4	✓	5.0	4.9	97.7
p1 Cal 5-100ng	5	✓	10.0	10.4	104.2
p1 Cal 6-250ng	6	✓	25.0	26.0	104.0
p1 Cal 7-500ng	7	✓	50.0	47.4	94.7
p1 Cal 8-1000ng	8	✓	100.0	99.4	99.4

Cal 1, 2, and 3 dropped due to ratio being out

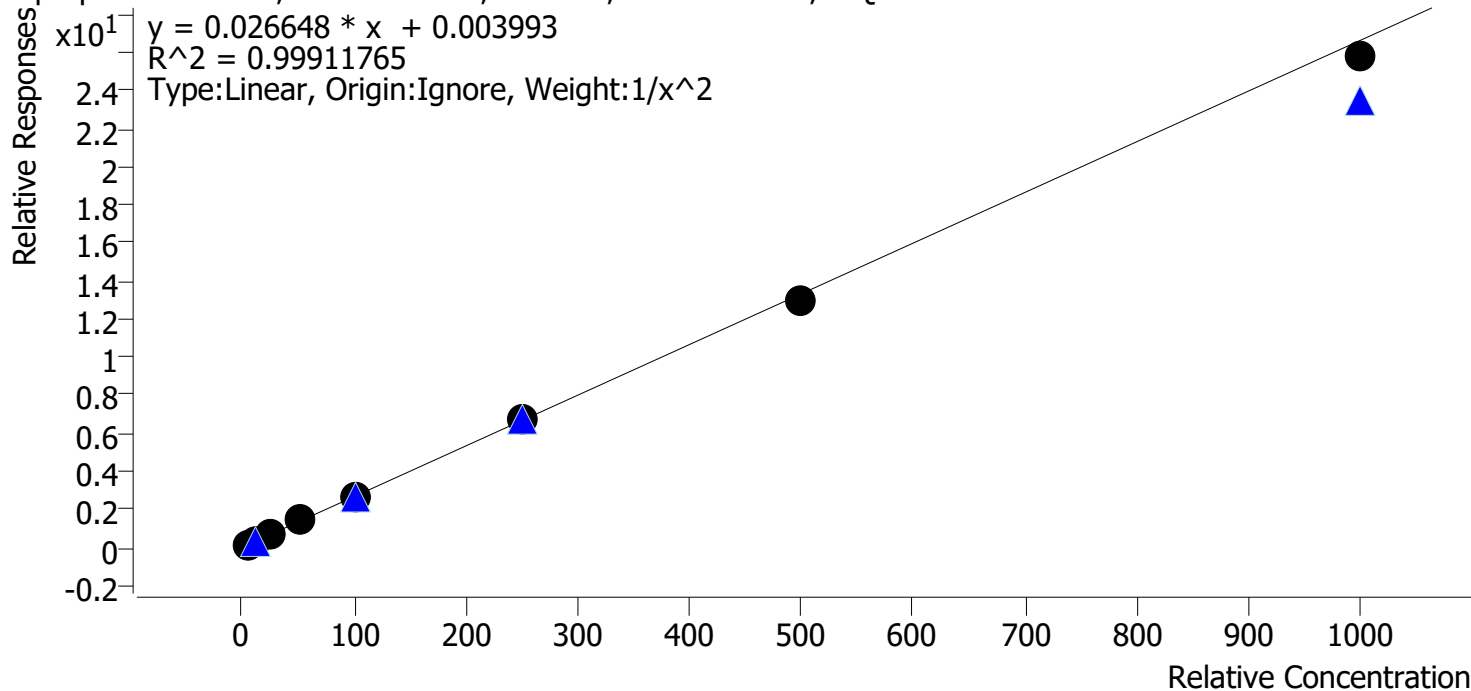
2/21



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 1/13/2022 8:00 AM
Analyst Name ISP\datastor
Analyte Bupropion **Internal Standard** Bupropion-D9

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



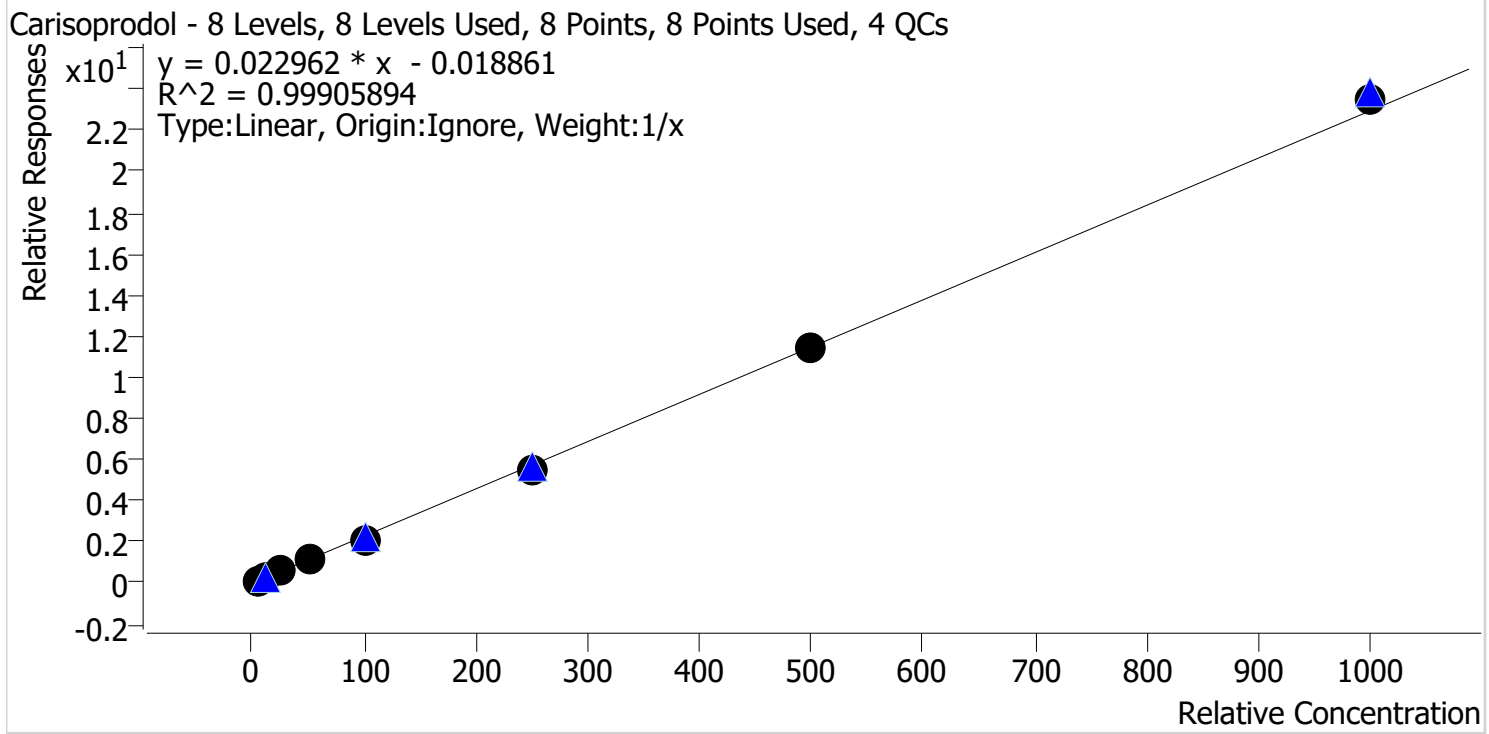
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.4
p1 Cal 2-10ng	2	✓	10.0	9.9	99.3
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.5
p1 Cal 4-50ng	4	✓	50.0	52.5	105.0
p1 Cal 5-100ng	5	✓	100.0	99.5	99.5
p1 Cal 6-250ng	6	✓	250.0	249.0	99.6
p1 Cal 7-500ng	7	✓	500.0	489.5	97.9
p1 Cal 8-1000ng	8	✓	1000.0	968.1	96.8

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 1/13/2022 8:00 AM
Analyst Name ISP\datastor
Analyte Carisoprodol **Internal Standard** Carisoprodol-D7



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.6	111.8
p1 Cal 2-10ng	2	✓	10.0	10.4	103.6
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.2
p1 Cal 4-50ng	4	✓	50.0	48.7	97.5
p1 Cal 5-100ng	5	✓	100.0	92.7	92.7
p1 Cal 6-250ng	6	✓	250.0	239.2	95.7
p1 Cal 7-500ng	7	✓	500.0	496.5	99.3
p1 Cal 8-1000ng	8	✓	1000.0	1022.6	102.3

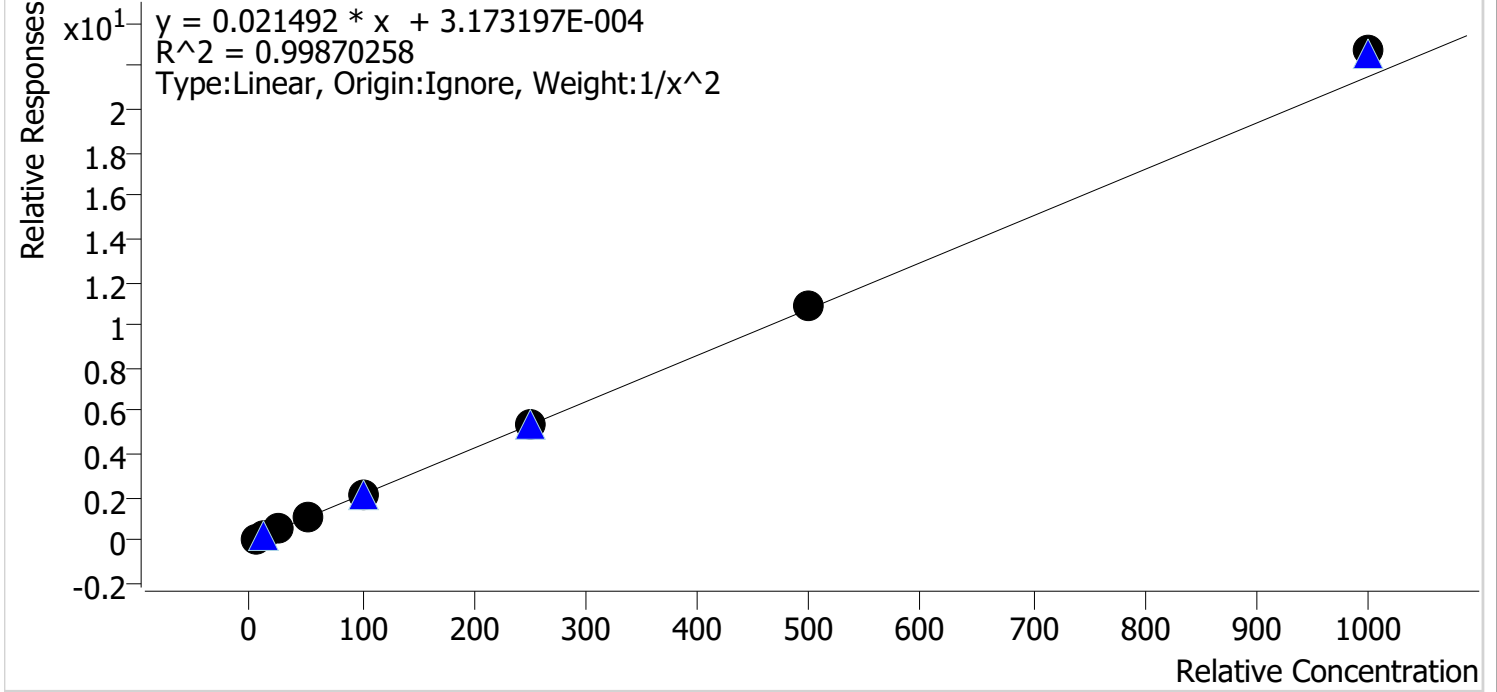
2/21



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 1/13/2022 8:00 AM
Analyst Name ISP\datastor
Analyte Citalopram **Internal Standard** Citalopram-D6

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



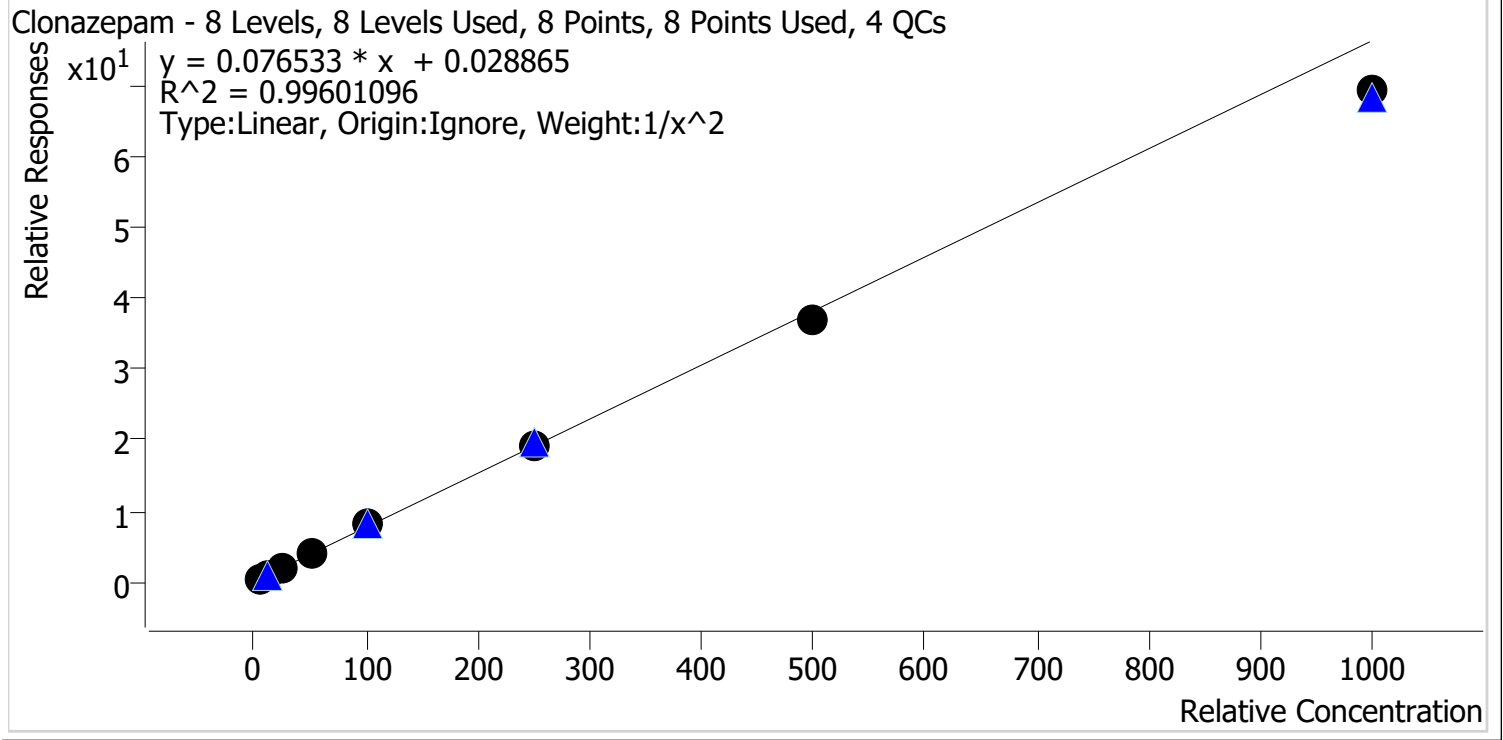
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.3
p1 Cal 2-10ng	2	✓	10.0	10.1	101.3
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.9
p1 Cal 4-50ng	4	✓	50.0	49.1	98.1
p1 Cal 5-100ng	5	✓	100.0	95.7	95.7
p1 Cal 6-250ng	6	✓	250.0	250.6	100.2
p1 Cal 7-500ng	7	✓	500.0	509.1	101.8
p1 Cal 8-1000ng	8	✓	1000.0	1056.2	105.6

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 1/13/2022 8:00 AM
Analyst Name ISP\datastor
Analyte Clonazepam **Internal Standard** Clonazepam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.2
p1 Cal 2-10ng	2	✓	10.0	10.7	107.2
p1 Cal 3 -25ng	3	✓	25.0	26.0	104.1
p1 Cal 4-50ng	4	✓	50.0	51.3	102.7
p1 Cal 5-100ng	5	✓	100.0	103.5	103.5
p1 Cal 6-250ng	6	✓	250.0	251.1	100.4
p1 Cal 7-500ng	7	✓	500.0	480.7	96.1
p1 Cal 8-1000ng	8	✓	1000.0	907.7	90.8

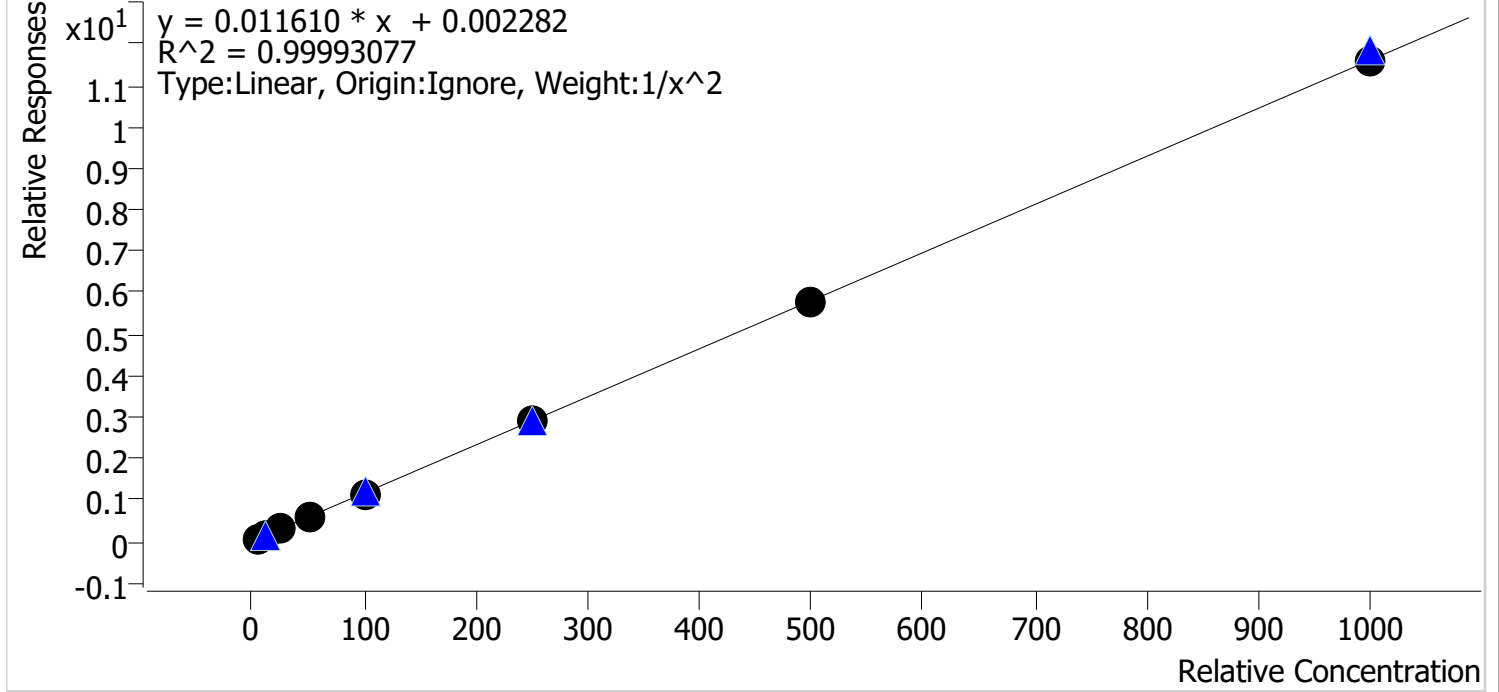
2/21



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 1/13/2022 8:00 AM
Analyst Name ISP\datastor
Analyte Cocaine **Internal Standard** Cocaine-d3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.7
p1 Cal 2-10ng	2	✓	10.0	10.0	100.0
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.5
p1 Cal 4-50ng	4	✓	50.0	49.9	99.8
p1 Cal 5-100ng	5	✓	100.0	99.1	99.1
p1 Cal 6-250ng	6	✓	250.0	250.8	100.3
p1 Cal 7-500ng	7	✓	500.0	497.3	99.5
p1 Cal 8-1000ng	8	✓	1000.0	1000.7	100.1

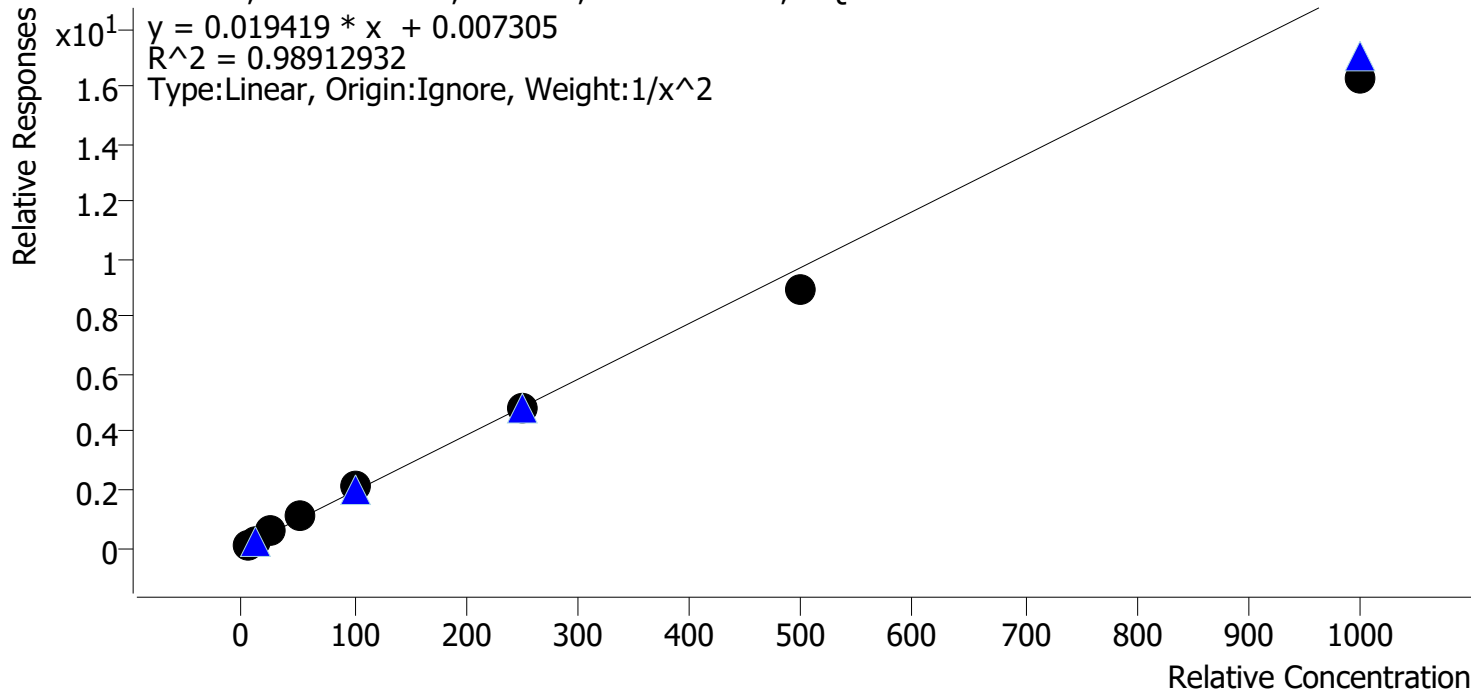
2/21



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 1/13/2022 8:00 AM
Analyst Name ISP\datastor
Analyte Codeine **Internal Standard** Codeine-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.4
p1 Cal 2-10ng	2	✓	10.0	10.3	103.5
p1 Cal 3 -25ng	3	✓	25.0	27.2	108.7
p1 Cal 4-50ng	4	✓	50.0	54.1	108.2
p1 Cal 5-100ng	5	✓	100.0	108.9	108.9
p1 Cal 6-250ng	6	✓	250.0	248.3	99.3
p1 Cal 7-500ng	7	✓	500.0	460.8	92.2
p1 Cal 8-1000ng	8	✓	1000.0	838.1	83.8

Qualitative only due to QC accuracy

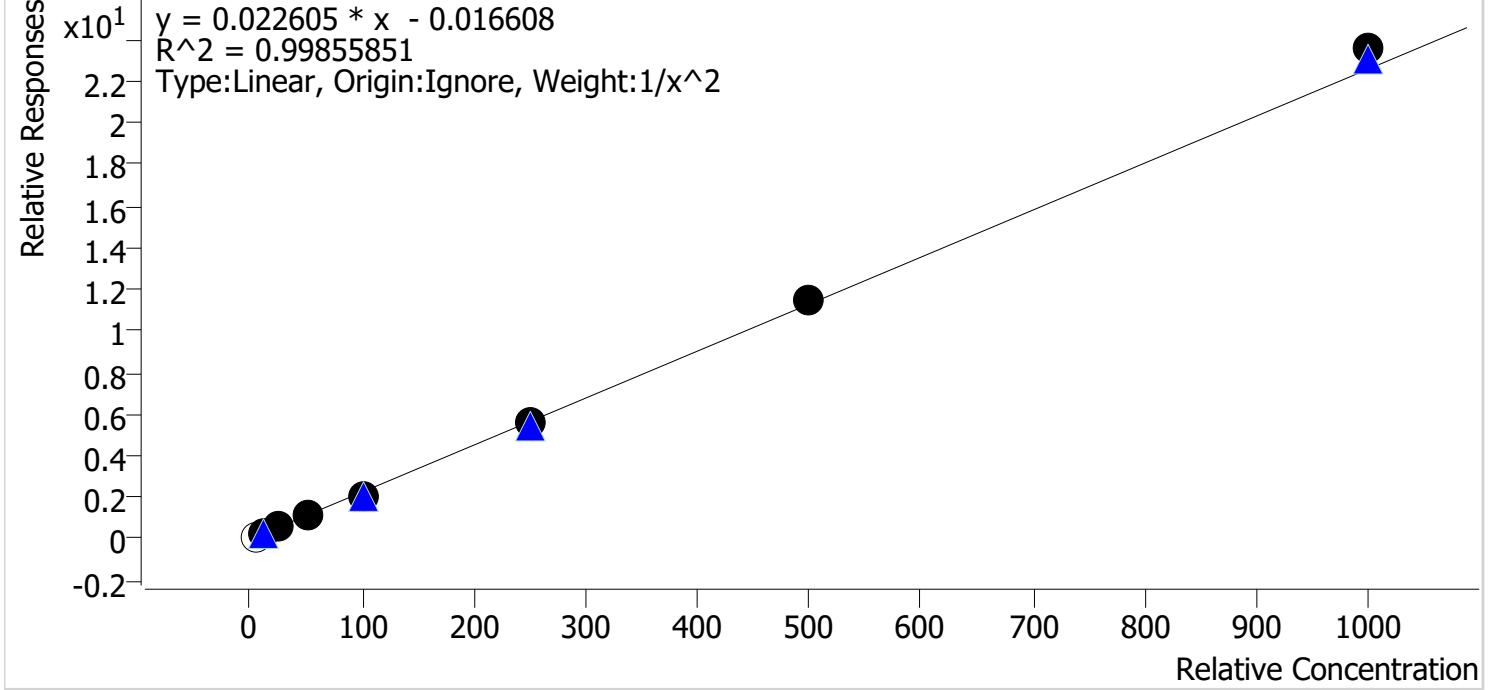
2/21



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 1/13/2022 8:00 AM
Analyst Name ISP\datastor
Analyte Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	x	5.0	5.0	99.4
p1 Cal 2-10ng	2	✓	10.0	10.1	101.2
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.5
p1 Cal 4-50ng	4	✓	50.0	49.7	99.5
p1 Cal 5-100ng	5	✓	100.0	94.0	94.0
p1 Cal 6-250ng	6	✓	250.0	251.1	100.5
p1 Cal 7-500ng	7	✓	500.0	510.1	102.0
p1 Cal 8-1000ng	8	✓	1000.0	1043.7	104.4

Cal 1 dropped due to S/N being out
 Qualitative only because cal 1 dropped

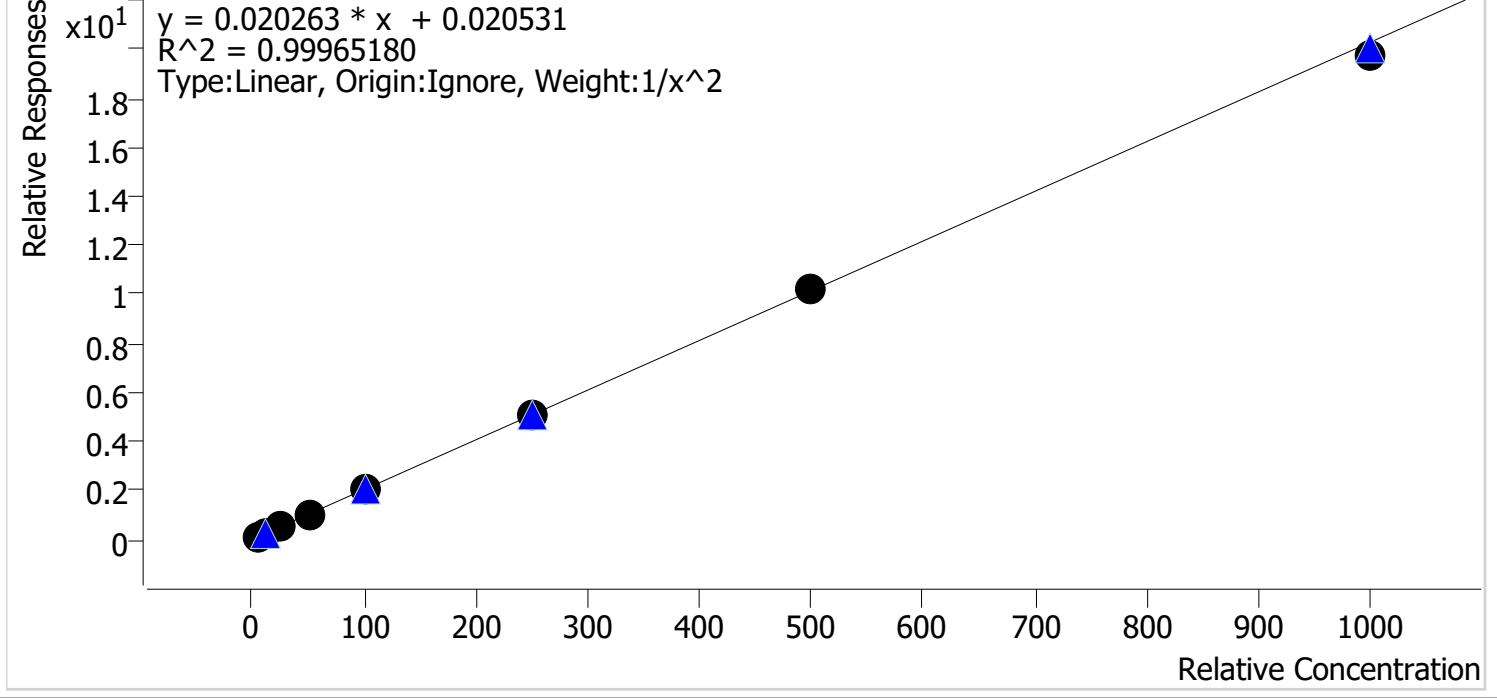
AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 1/13/2022 8:00 AM
Analyst Name ISP\datastor
Analyte Dextromethorphan **Internal Standard** Dextromethorphan-D3

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



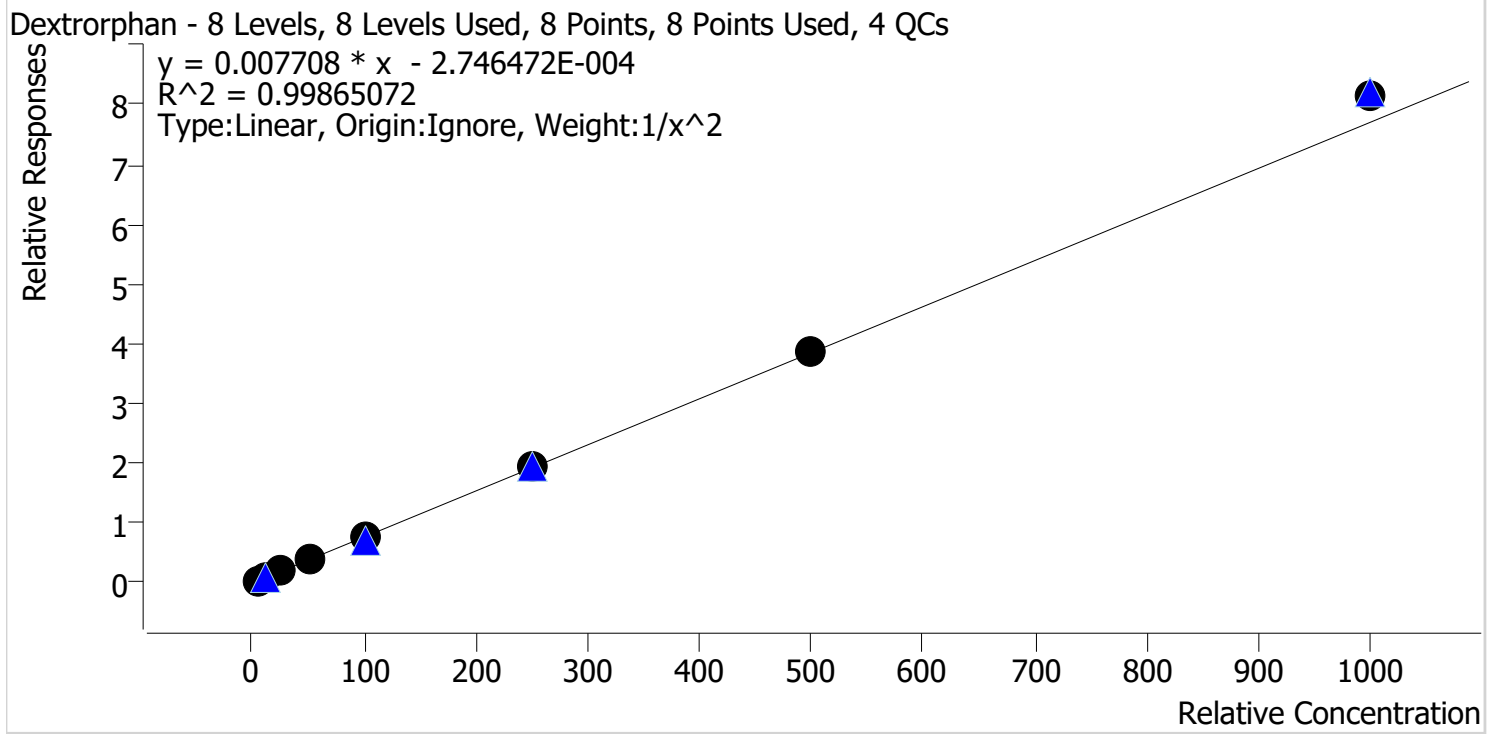
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.7
p1 Cal 2-10ng	2	✓	10.0	10.2	102.1
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.9
p1 Cal 4-50ng	4	✓	50.0	50.4	100.7
p1 Cal 5-100ng	5	✓	100.0	101.2	101.2
p1 Cal 6-250ng	6	✓	250.0	246.3	98.5
p1 Cal 7-500ng	7	✓	500.0	502.4	100.5
p1 Cal 8-1000ng	8	✓	1000.0	973.7	97.4

AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 1/13/2022 8:00 AM
Analyst Name ISP\datastor
Analyte Dextrophan Internal Standard Dextrophan-D3



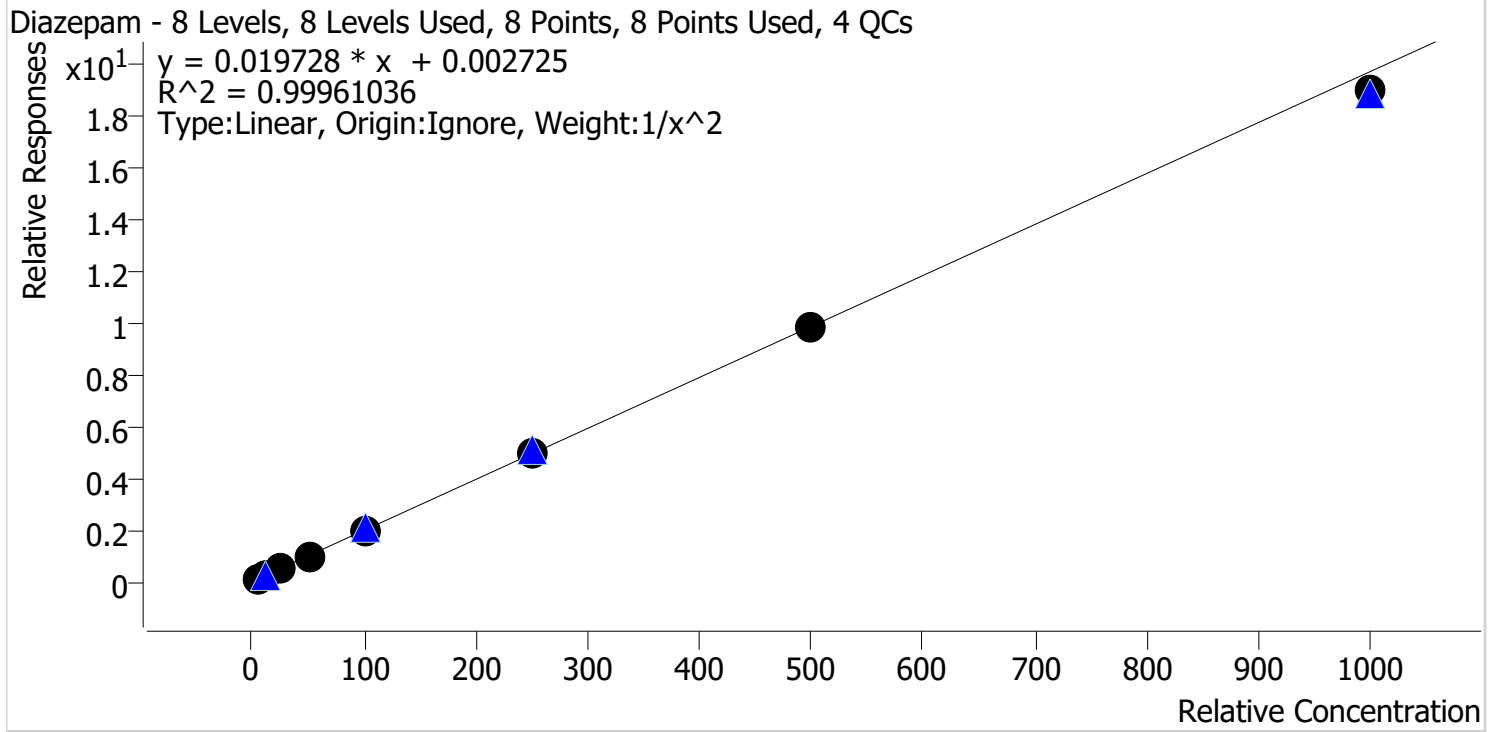
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.8
p1 Cal 2-10ng	2	✓	10.0	9.6	95.9
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.1
p1 Cal 4-50ng	4	✓	50.0	49.3	98.5
p1 Cal 5-100ng	5	✓	100.0	98.6	98.6
p1 Cal 6-250ng	6	✓	250.0	252.1	100.8
p1 Cal 7-500ng	7	✓	500.0	501.7	100.3
p1 Cal 8-1000ng	8	✓	1000.0	1058.4	105.8

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 1/13/2022 8:00 AM
Analyst Name ISP\datastor
Analyte Diazepam **Internal Standard** Diazepam-D5



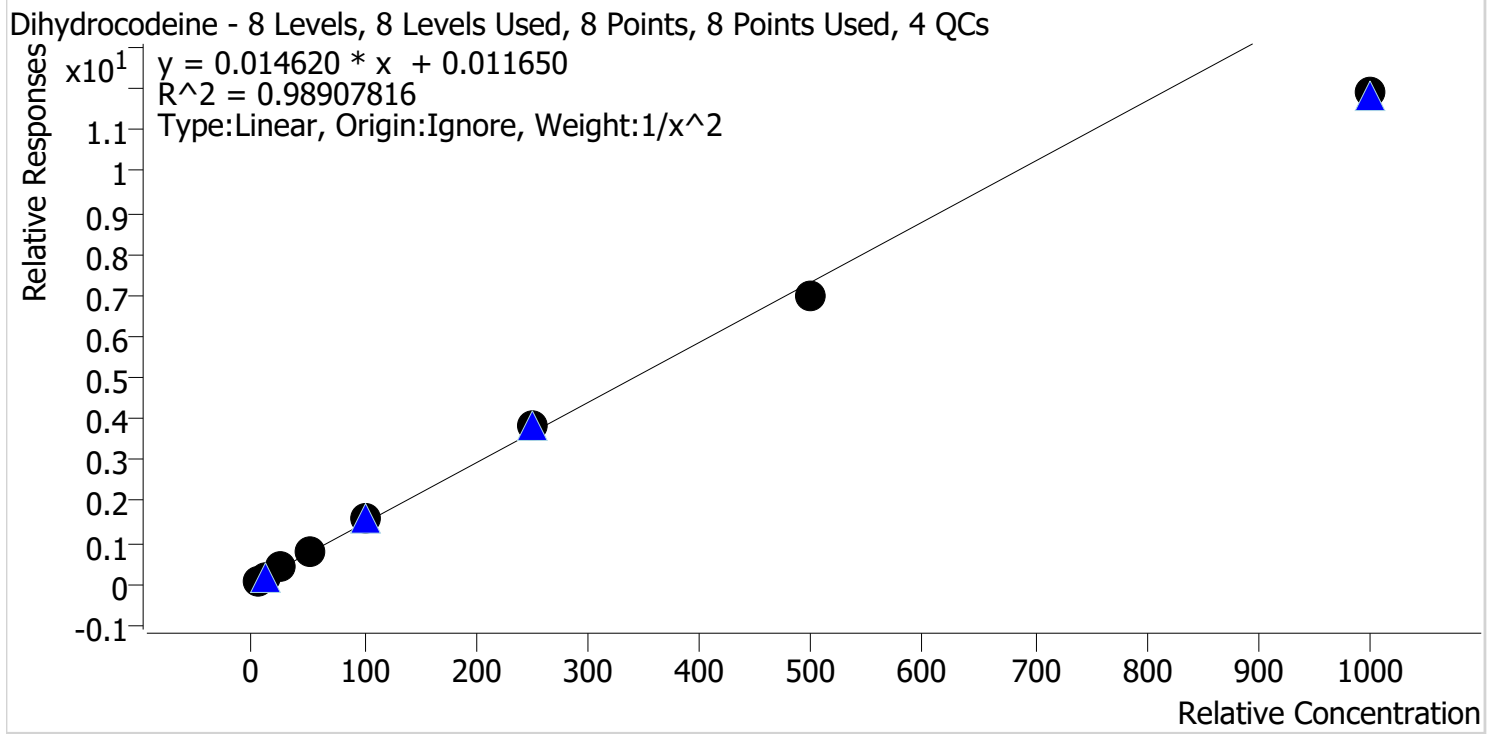
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.7
p1 Cal 2-10ng	2	✓	10.0	10.0	99.8
p1 Cal 3 -25ng	3	✓	25.0	25.2	101.0
p1 Cal 4-50ng	4	✓	50.0	51.0	102.0
p1 Cal 5-100ng	5	✓	100.0	101.2	101.2
p1 Cal 6-250ng	6	✓	250.0	250.8	100.3
p1 Cal 7-500ng	7	✓	500.0	498.9	99.8
p1 Cal 8-1000ng	8	✓	1000.0	962.7	96.3

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 1/13/2022 8:00 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	4.7	94.6
p1 Cal 2-10ng	2	✓	10.0	10.7	106.5
p1 Cal 3 -25ng	3	✓	25.0	26.8	107.1
p1 Cal 4-50ng	4	✓	50.0	52.4	104.8
p1 Cal 5-100ng	5	✓	100.0	107.0	107.0
p1 Cal 6-250ng	6	✓	250.0	259.5	103.8
p1 Cal 7-500ng	7	✓	500.0	474.0	94.8
p1 Cal 8-1000ng	8	✓	1000.0	814.0	81.4

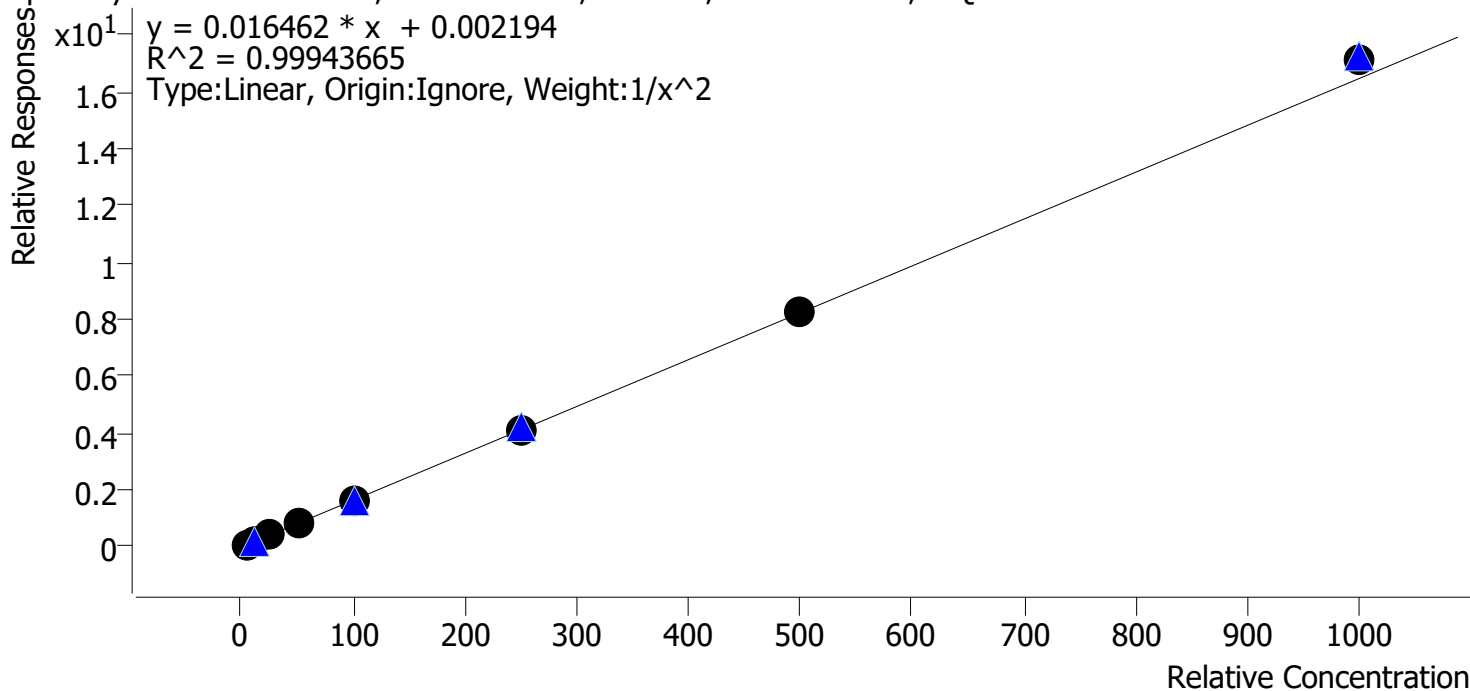
2/21



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 1/13/2022 8:00 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	5.0	100.3
p1 Cal 2-10ng	2	✓	10.0	10.0	100.5
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.7
p1 Cal 4-50ng	4	✓	50.0	50.1	100.2
p1 Cal 5-100ng	5	✓	100.0	97.0	97.0
p1 Cal 6-250ng	6	✓	250.0	248.6	99.4
p1 Cal 7-500ng	7	✓	500.0	505.8	101.2
p1 Cal 8-1000ng	8	✓	1000.0	1036.9	103.7

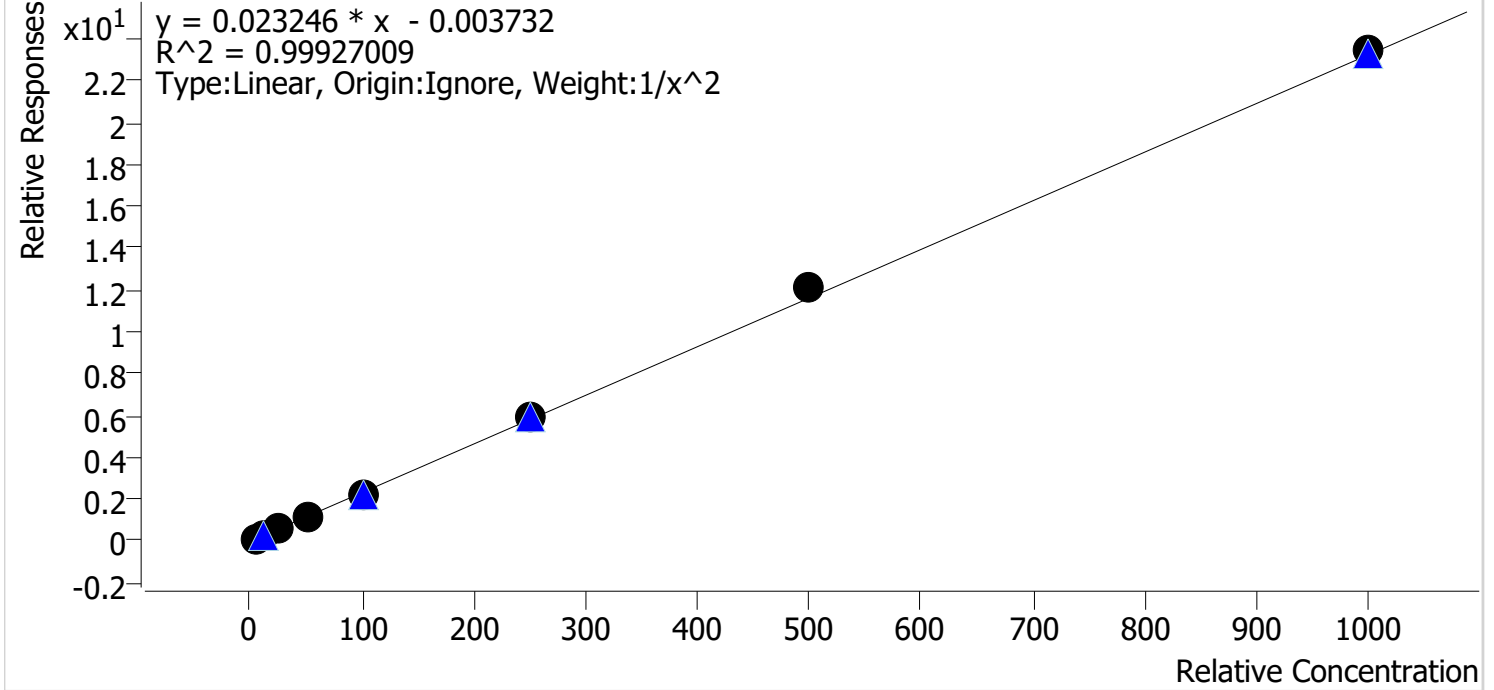
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 1/13/2022 8:00 AM
Analyst Name ISP\datastor
Analyte Doxylamine **Internal Standard** Doxylamine-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.8
p1 Cal 2-10ng	2	✓	10.0	10.0	100.3
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.4
p1 Cal 4-50ng	4	✓	50.0	49.0	98.0
p1 Cal 5-100ng	5	✓	100.0	98.4	98.4
p1 Cal 6-250ng	6	✓	250.0	253.2	101.3
p1 Cal 7-500ng	7	✓	500.0	519.8	104.0
p1 Cal 8-1000ng	8	✓	1000.0	1008.9	100.9

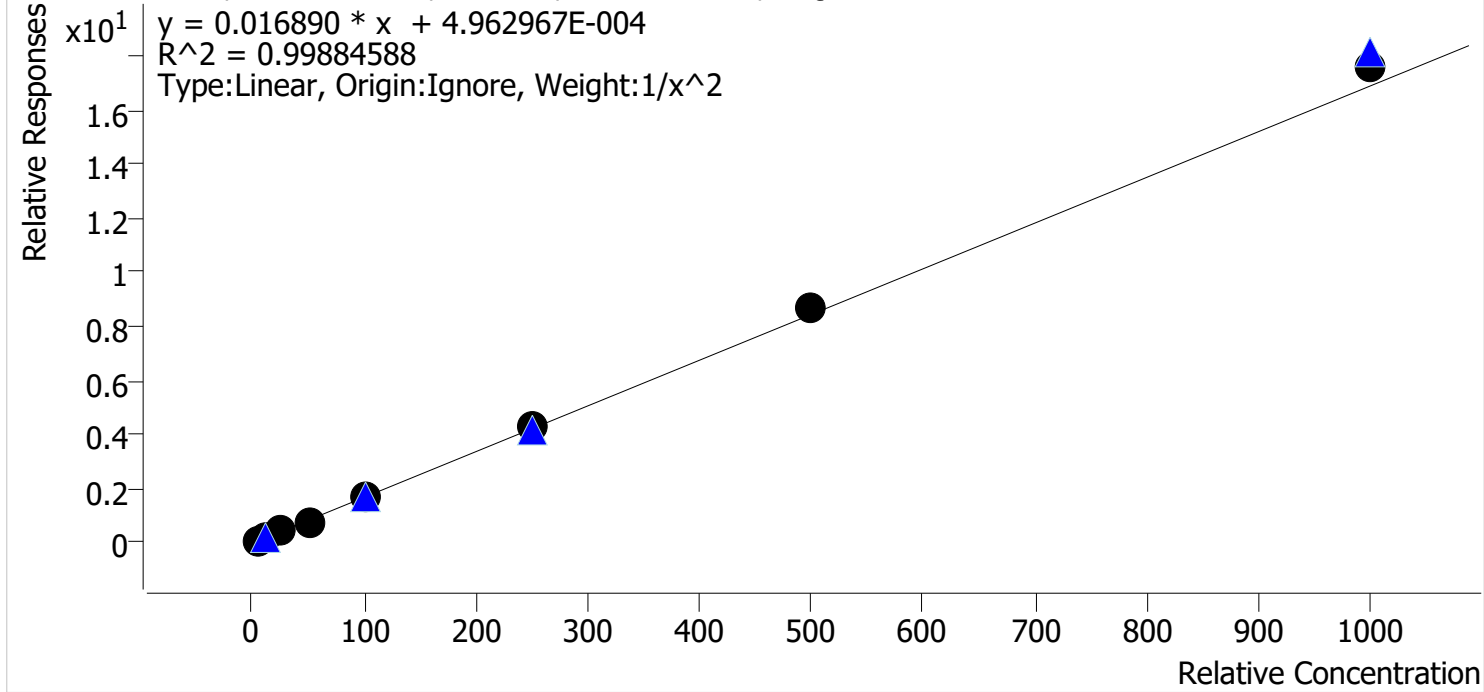
AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 1/13/2022 8:00 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	5.0	100.9
p1 Cal 2-10ng	2	✓	10.0	10.0	100.3
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.1
p1 Cal 4-50ng	4	✓	50.0	47.9	95.7
p1 Cal 5-100ng	5	✓	100.0	97.4	97.4
p1 Cal 6-250ng	6	✓	250.0	256.1	102.4
p1 Cal 7-500ng	7	✓	500.0	510.7	102.1
p1 Cal 8-1000ng	8	✓	1000.0	1040.2	104.0

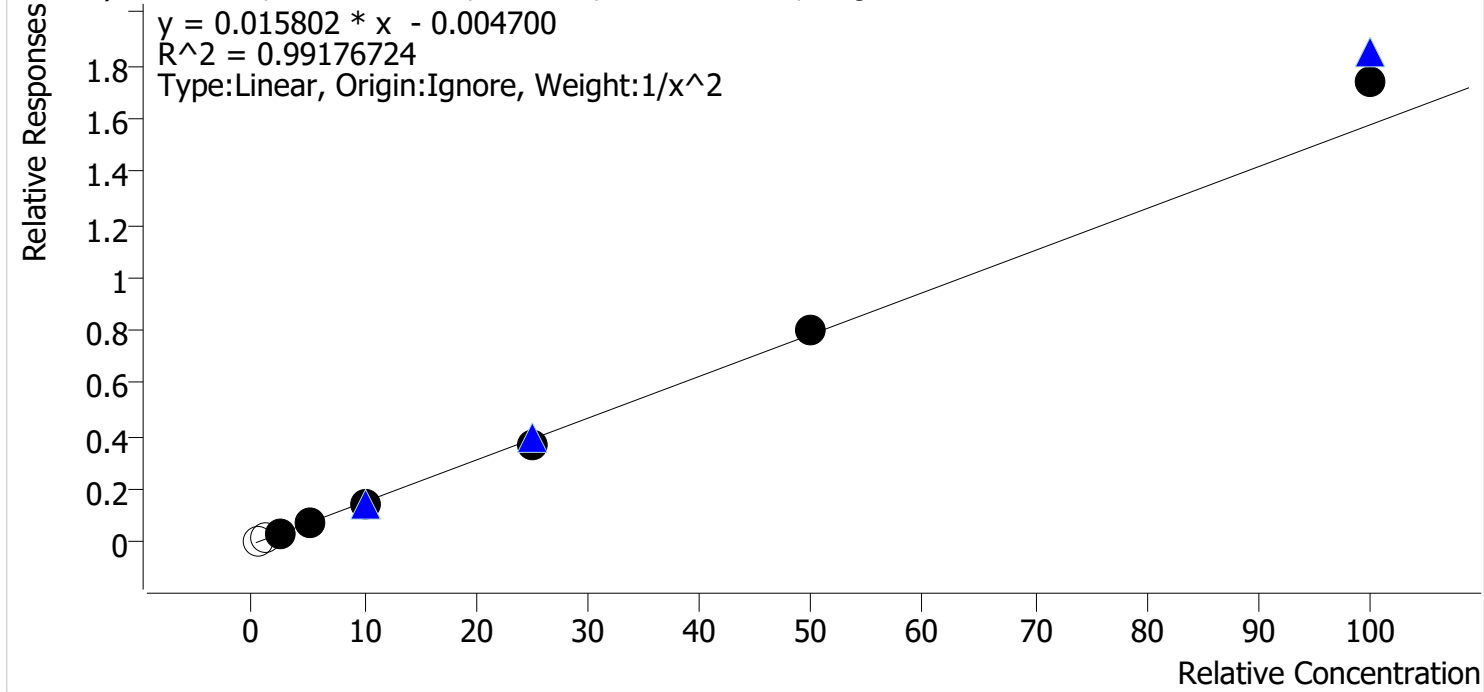
2/21



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 1/13/2022 8:00 AM
Analyst Name ISP\datastor
Analyte Fentanyl **Internal Standard** Fentanyl-D5

Fentanyl - 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	x	0.5	0.8	156.0
p1 Cal 2-10ng	2	x	1.0	1.3	126.2
p1 Cal 3 -25ng	3	✓	2.5	2.6	105.3
p1 Cal 4-50ng	4	✓	5.0	4.6	93.0
p1 Cal 5-100ng	5	✓	10.0	9.3	93.0
p1 Cal 6-250ng	6	✓	25.0	23.9	95.6
p1 Cal 7-500ng	7	✓	50.0	51.2	102.4
p1 Cal 8-1000ng	8	✓	100.0	110.7	110.7

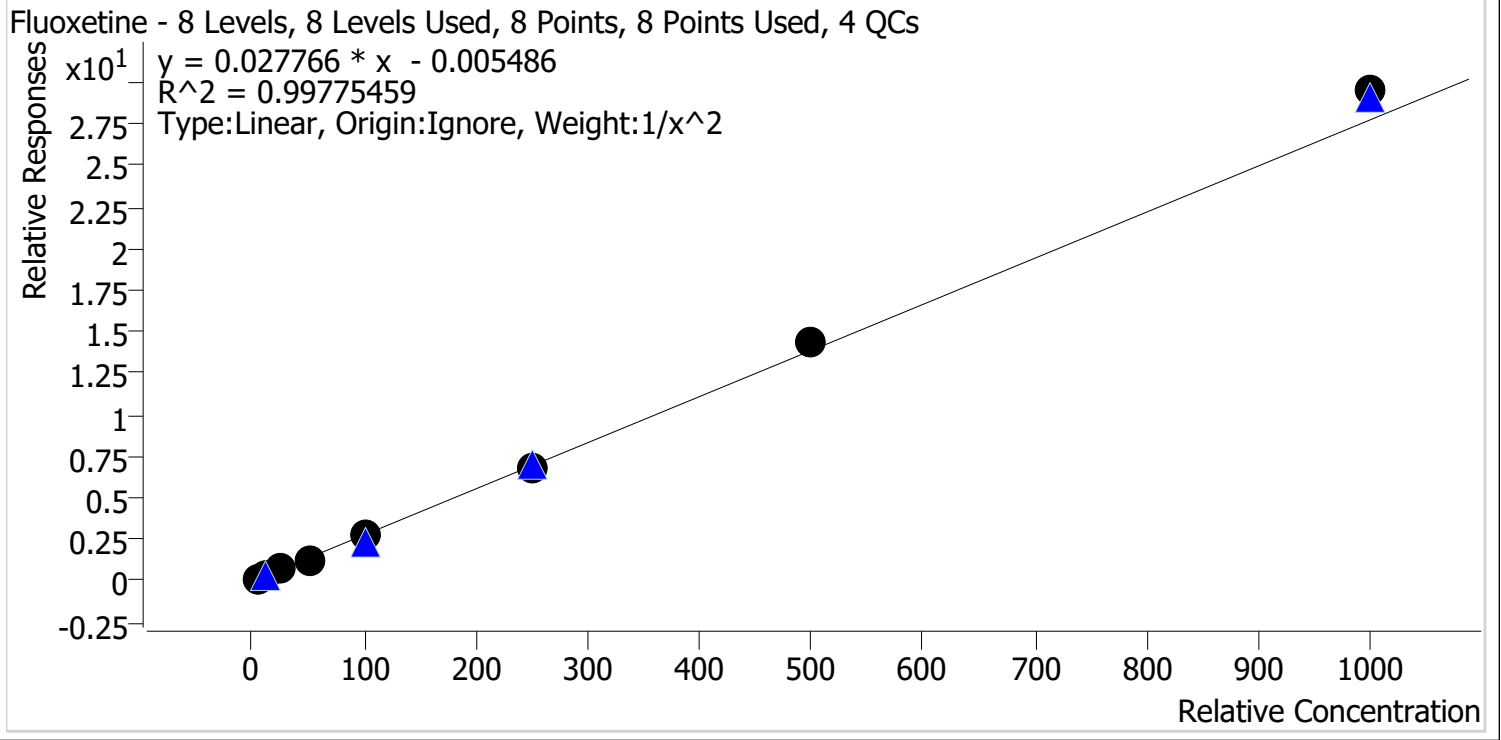
Cal 1 and 2 dropped due to S/N being out
 Qualitative only due to cal 1 and 2 being dropped

AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 1/13/2022 8:00 AM
Analyst Name ISP\datastor
Analyte Fluoxetine **Internal Standard** Fluoxetine-D6



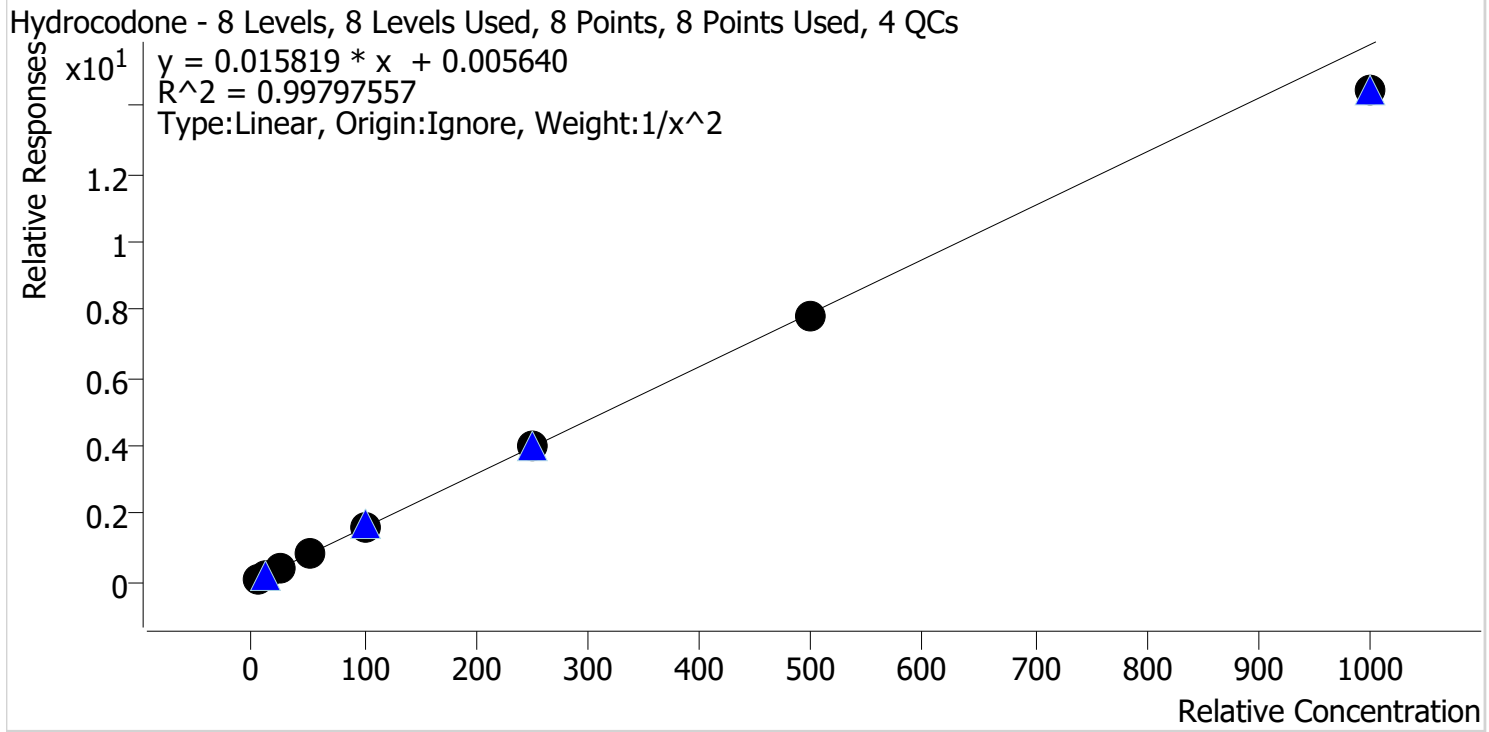
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.8
p1 Cal 2-10ng	2	✓	10.0	9.7	96.9
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.1
p1 Cal 4-50ng	4	✓	50.0	47.2	94.3
p1 Cal 5-100ng	5	✓	100.0	96.4	96.4
p1 Cal 6-250ng	6	✓	250.0	246.0	98.4
p1 Cal 7-500ng	7	✓	500.0	518.5	103.7
p1 Cal 8-1000ng	8	✓	1000.0	1063.5	106.3

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 1/13/2022 8:00 AM
Analyst Name ISP\datastor
Analyte Hydrocodone **Internal Standard** Hydrocodone-D6



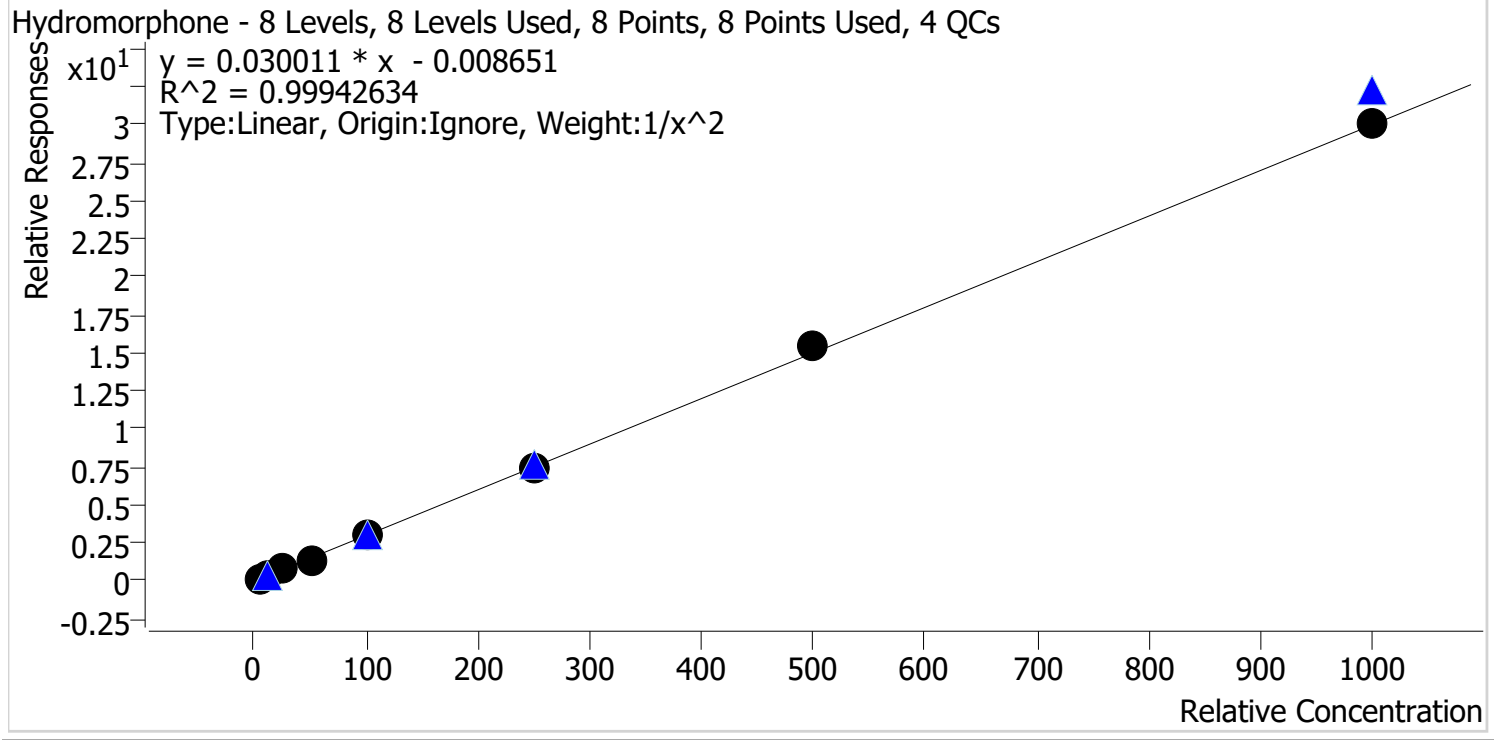
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.5
p1 Cal 2-10ng	2	✓	10.0	10.1	100.8
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.7
p1 Cal 4-50ng	4	✓	50.0	51.4	102.7
p1 Cal 5-100ng	5	✓	100.0	102.1	102.1
p1 Cal 6-250ng	6	✓	250.0	254.5	101.8
p1 Cal 7-500ng	7	✓	500.0	495.4	99.1
p1 Cal 8-1000ng	8	✓	1000.0	913.5	91.3

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 1/13/2022 8:00 AM
Analyst Name ISP\datastor
Analyte Hydromorphone **Internal Standard** Hydromorphone-D6



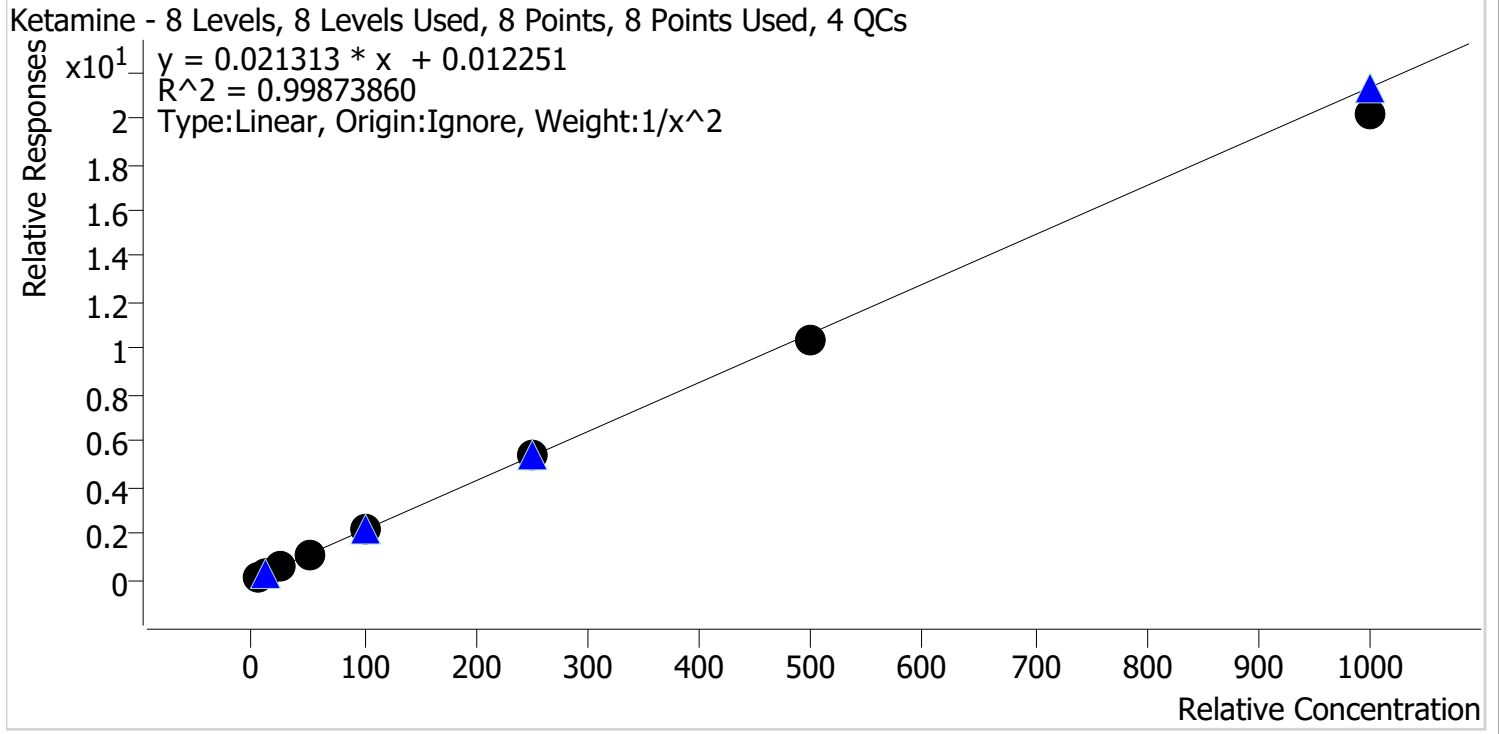
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	99.0
p1 Cal 2-10ng	2	✓	10.0	10.3	103.0
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.6
p1 Cal 4-50ng	4	✓	50.0	48.3	96.6
p1 Cal 5-100ng	5	✓	100.0	98.5	98.5
p1 Cal 6-250ng	6	✓	250.0	251.4	100.6
p1 Cal 7-500ng	7	✓	500.0	512.1	102.4
p1 Cal 8-1000ng	8	✓	1000.0	1003.8	100.4

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 1/13/2022 8:00 AM
Analyst Name ISP\datastor
Analyte Ketamine **Internal Standard** Ketamine-D4



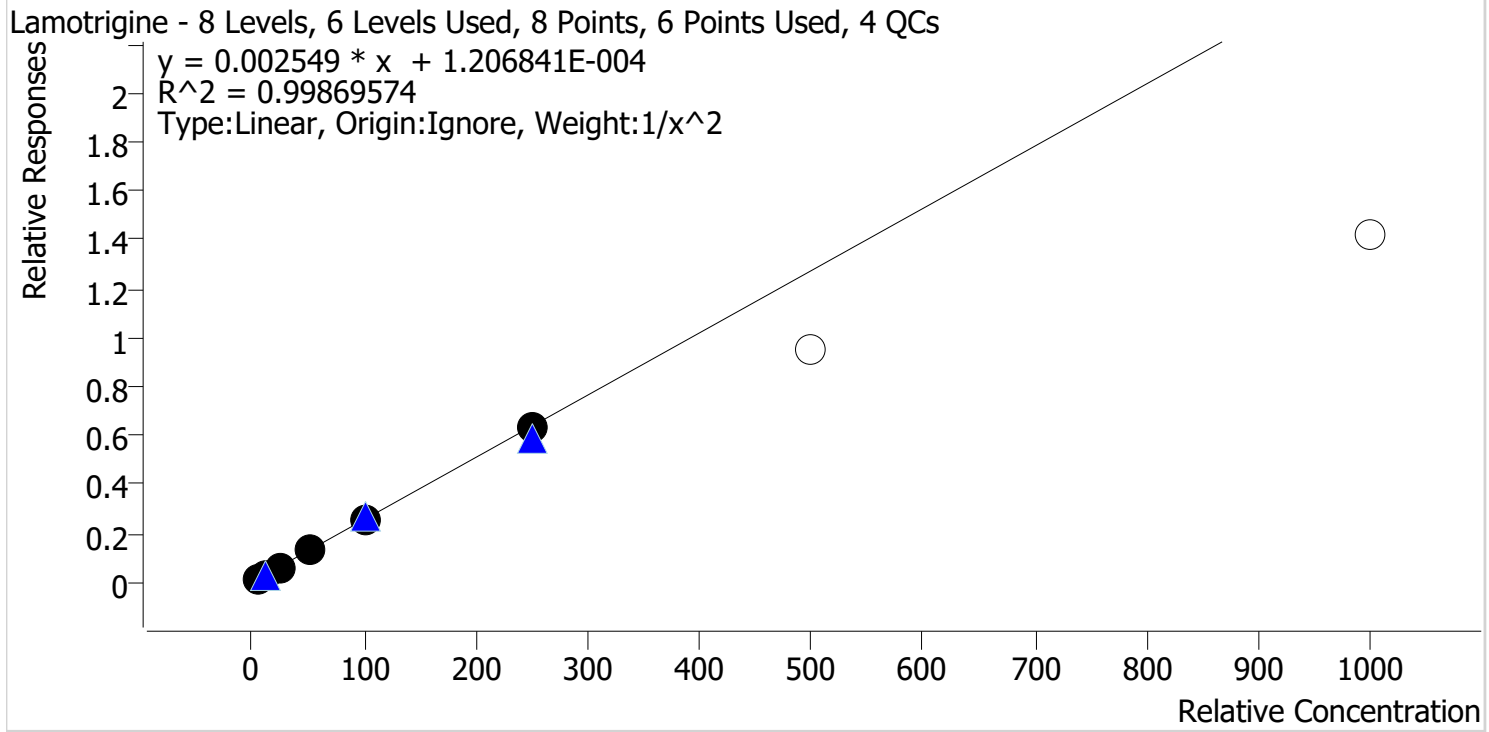
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.9
p1 Cal 2-10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	25.7	102.9
p1 Cal 4-50ng	4	✓	50.0	52.1	104.2
p1 Cal 5-100ng	5	✓	100.0	101.7	101.7
p1 Cal 6-250ng	6	✓	250.0	250.6	100.3
p1 Cal 7-500ng	7	✓	500.0	486.4	97.3
p1 Cal 8-1000ng	8	✓	1000.0	946.5	94.7

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 1/13/2022 8:00 AM
Analyst Name ISP\datastor
Analyte Lamotrigine **Internal Standard** Ketamine-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.4
p1 Cal 2-10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.4
p1 Cal 4-50ng	4	✓	50.0	52.2	104.4
p1 Cal 5-100ng	5	✓	100.0	101.1	101.1
p1 Cal 6-250ng	6	✓	250.0	246.6	98.7
p1 Cal 7-500ng	7	x	500.0	373.3	74.7
p1 Cal 8-1000ng	8	x	1000.0	555.0	55.5

Cal 7 and 8 dropped due to accuracy

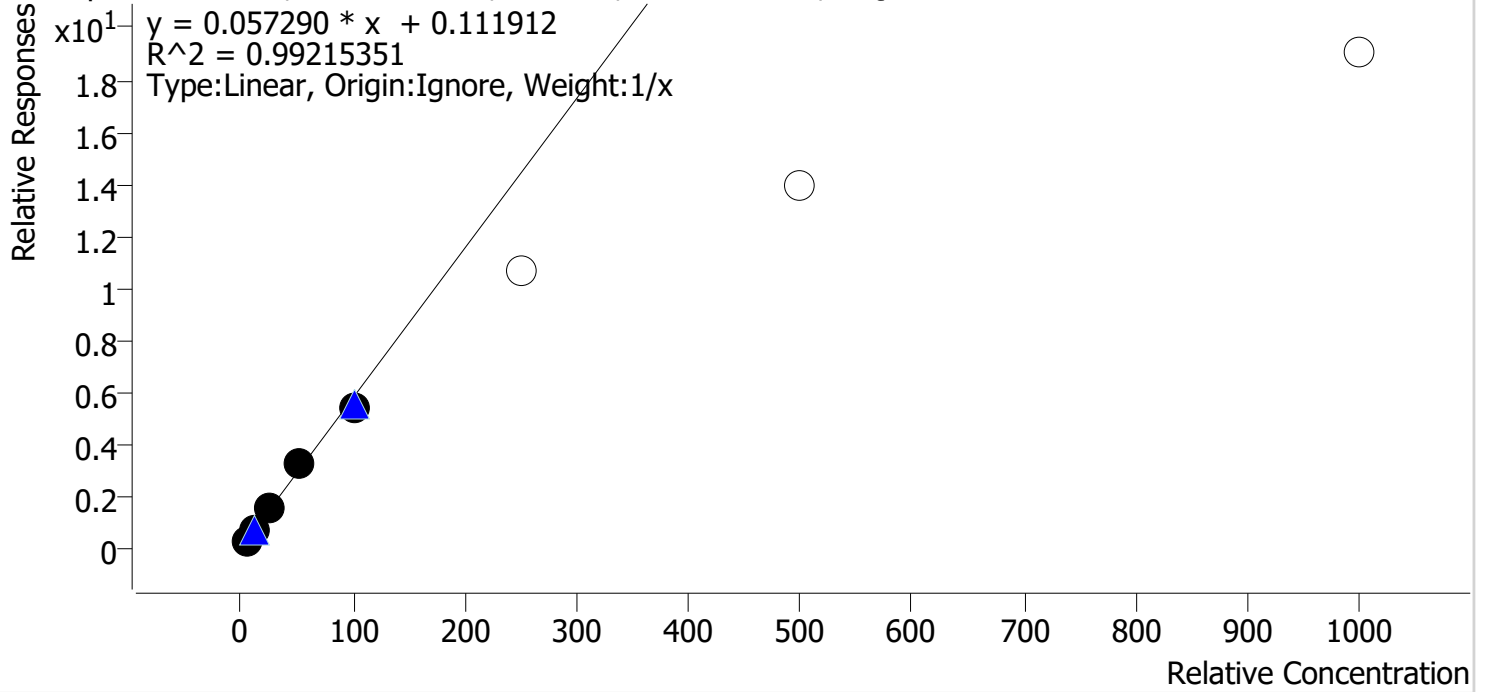
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 1/13/2022 8:00 AM
Analyst Name ISP\datastor
Analyte Lorazepam **Internal Standard** Clonazepam-D4

Lorazepam - 8 Levels, 5 Levels Used, 8 Points, 5 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.3	86.3
p1 Cal 2-10ng	2	✓	10.0	10.6	105.7
p1 Cal 3 -25ng	3	✓	25.0	26.0	104.1
p1 Cal 4-50ng	4	✓	50.0	54.8	109.7
p1 Cal 5-100ng	5	✓	100.0	94.2	94.2
p1 Cal 6-250ng	6	✗	250.0	185.9	74.4
p1 Cal 7-500ng	7	✗	500.0	242.0	48.4
p1 Cal 8-1000ng	8	✗	1000.0	330.6	33.1

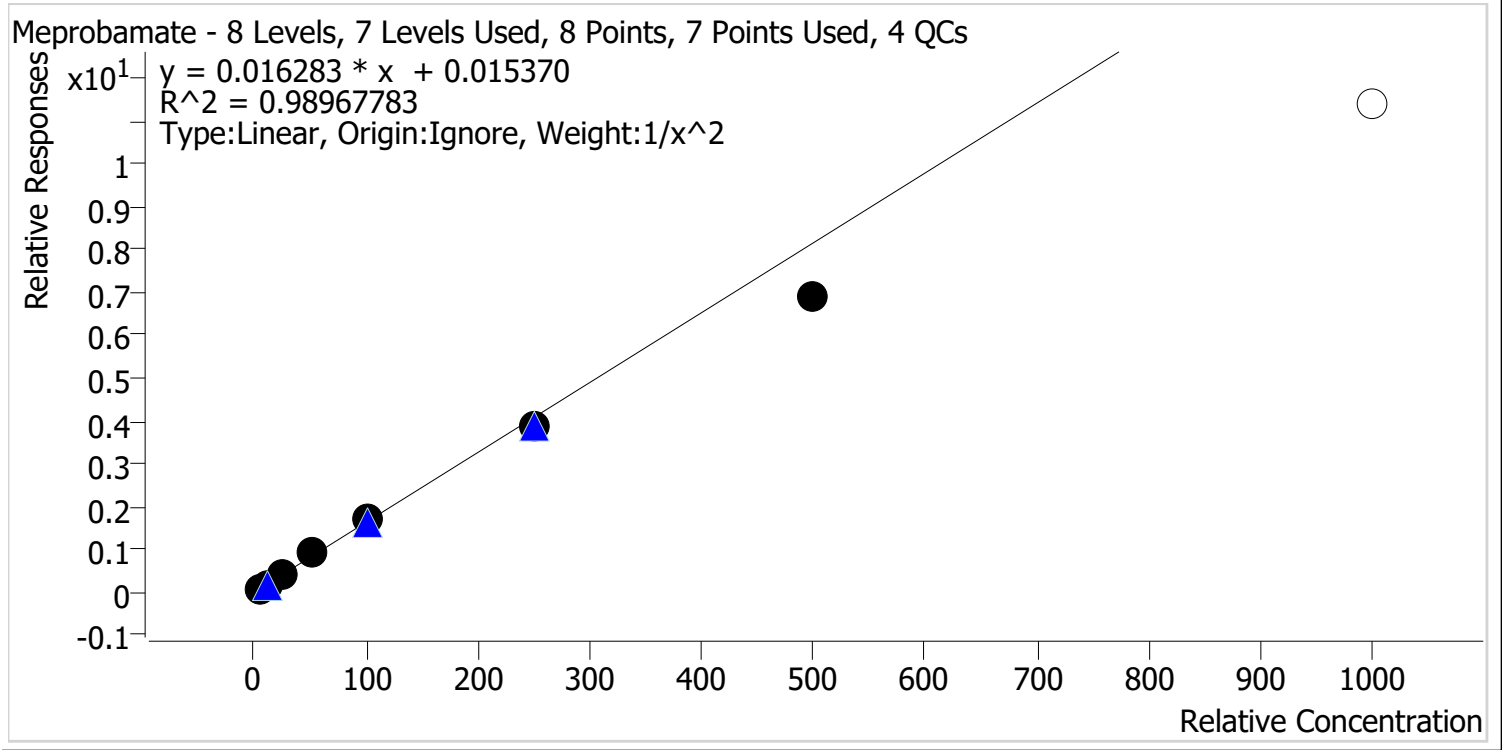
Cal 6, 7, and 8 dropped due to accuracy

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 1/13/2022 8:00 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	4.8	96.3
p1 Cal 2-10ng	2	✓	10.0	10.3	102.5
p1 Cal 3 -25ng	3	✓	25.0	26.9	107.6
p1 Cal 4-50ng	4	✓	50.0	54.6	109.2
p1 Cal 5-100ng	5	✓	100.0	104.2	104.2
p1 Cal 6-250ng	6	✓	250.0	239.7	95.9
p1 Cal 7-500ng	7	✓	500.0	421.1	84.2
p1 Cal 8-1000ng	8	✗	1000.0	701.4	70.1

Cal 8 dropped due to accuracy

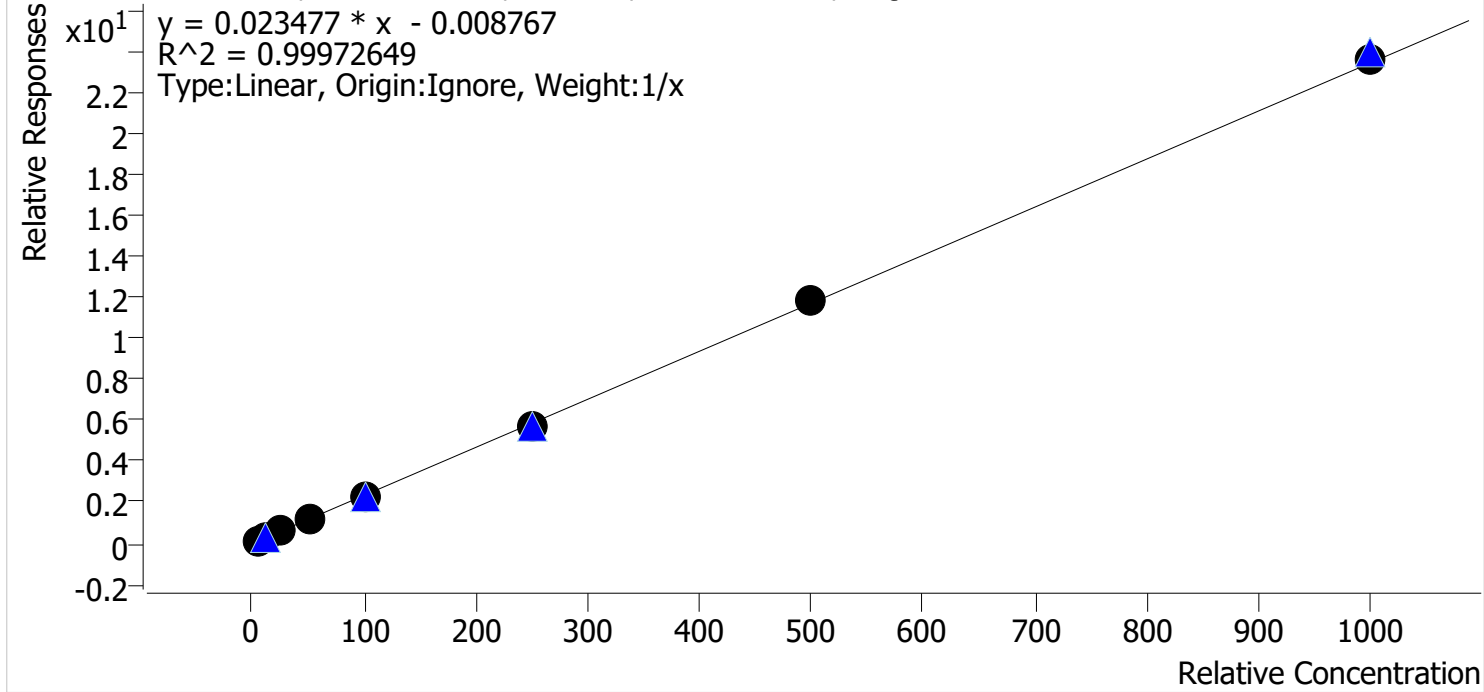
AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 1/13/2022 8:00 AM
Analyst Name ISP\datastor
Analyte Methadone **Internal Standard** Methadone-D9

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



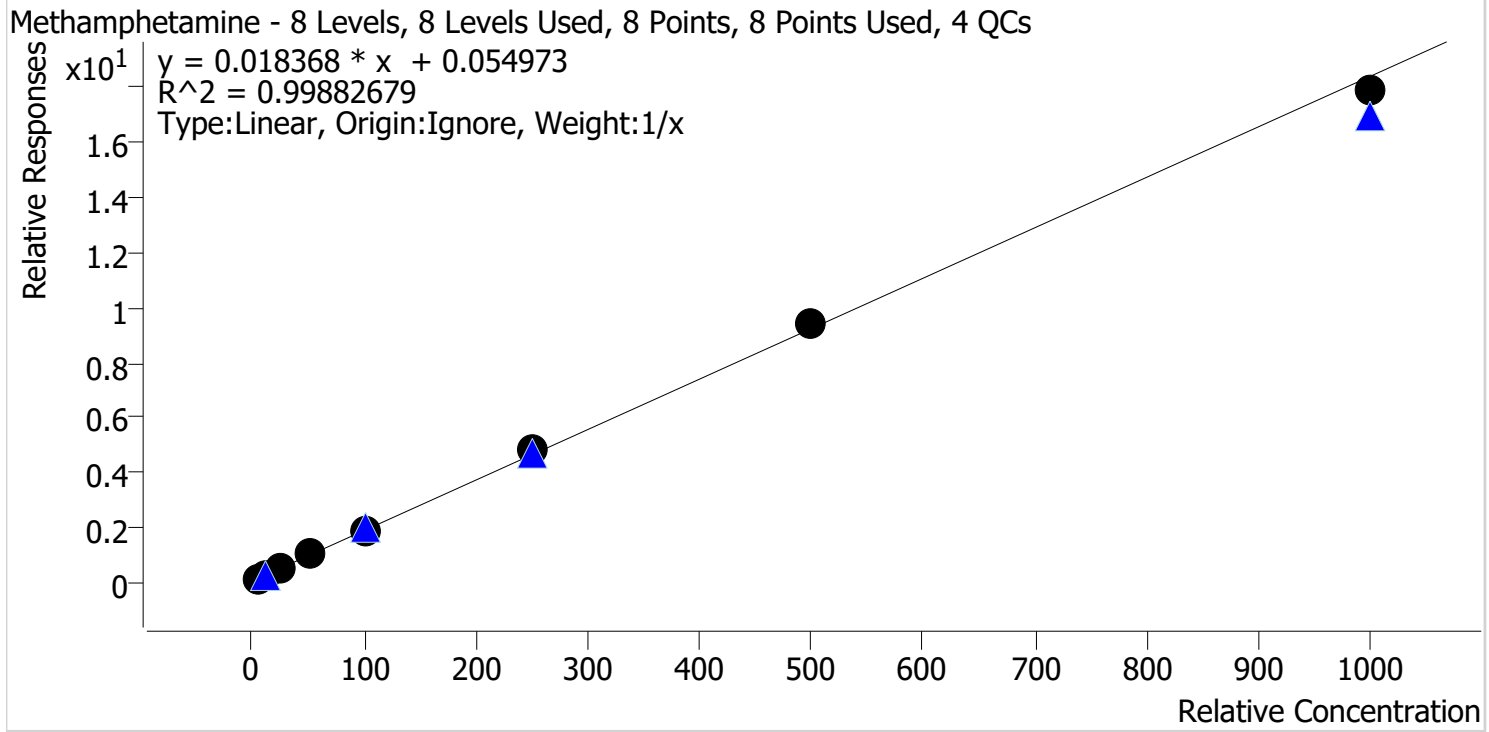
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.5	110.8
p1 Cal 2-10ng	2	✓	10.0	10.0	100.5
p1 Cal 3 -25ng	3	✓	25.0	24.5	97.9
p1 Cal 4-50ng	4	✓	50.0	47.6	95.2
p1 Cal 5-100ng	5	✓	100.0	96.0	96.0
p1 Cal 6-250ng	6	✓	250.0	246.0	98.4
p1 Cal 7-500ng	7	✓	500.0	502.9	100.6
p1 Cal 8-1000ng	8	✓	1000.0	1007.5	100.8

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 1/13/2022 8:00 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	4.5	89.0
p1 Cal 2-10ng	2	✓	10.0	9.6	95.7
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.6
p1 Cal 4-50ng	4	✓	50.0	54.2	108.4
p1 Cal 5-100ng	5	✓	100.0	102.1	102.1
p1 Cal 6-250ng	6	✓	250.0	262.1	104.9
p1 Cal 7-500ng	7	✓	500.0	510.6	102.1
p1 Cal 8-1000ng	8	✓	1000.0	971.8	97.2

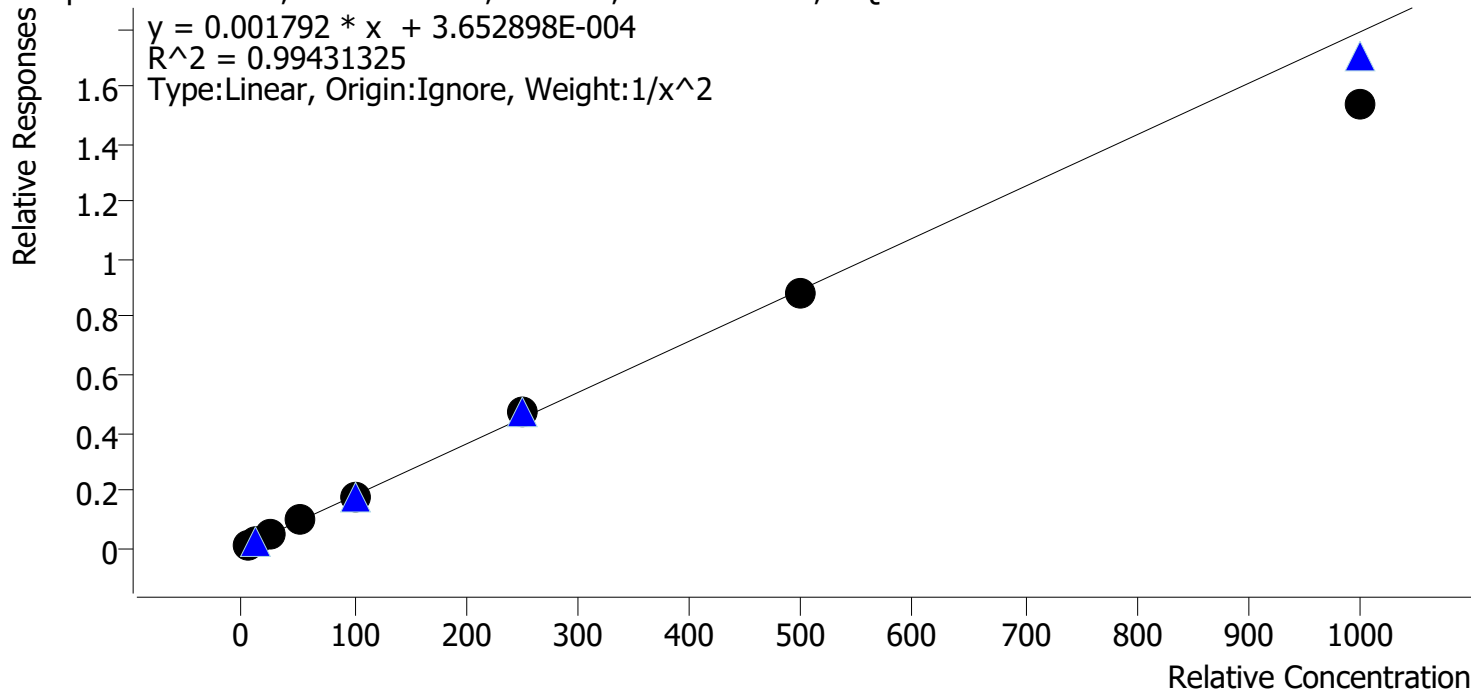
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 1/13/2022 8:00 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



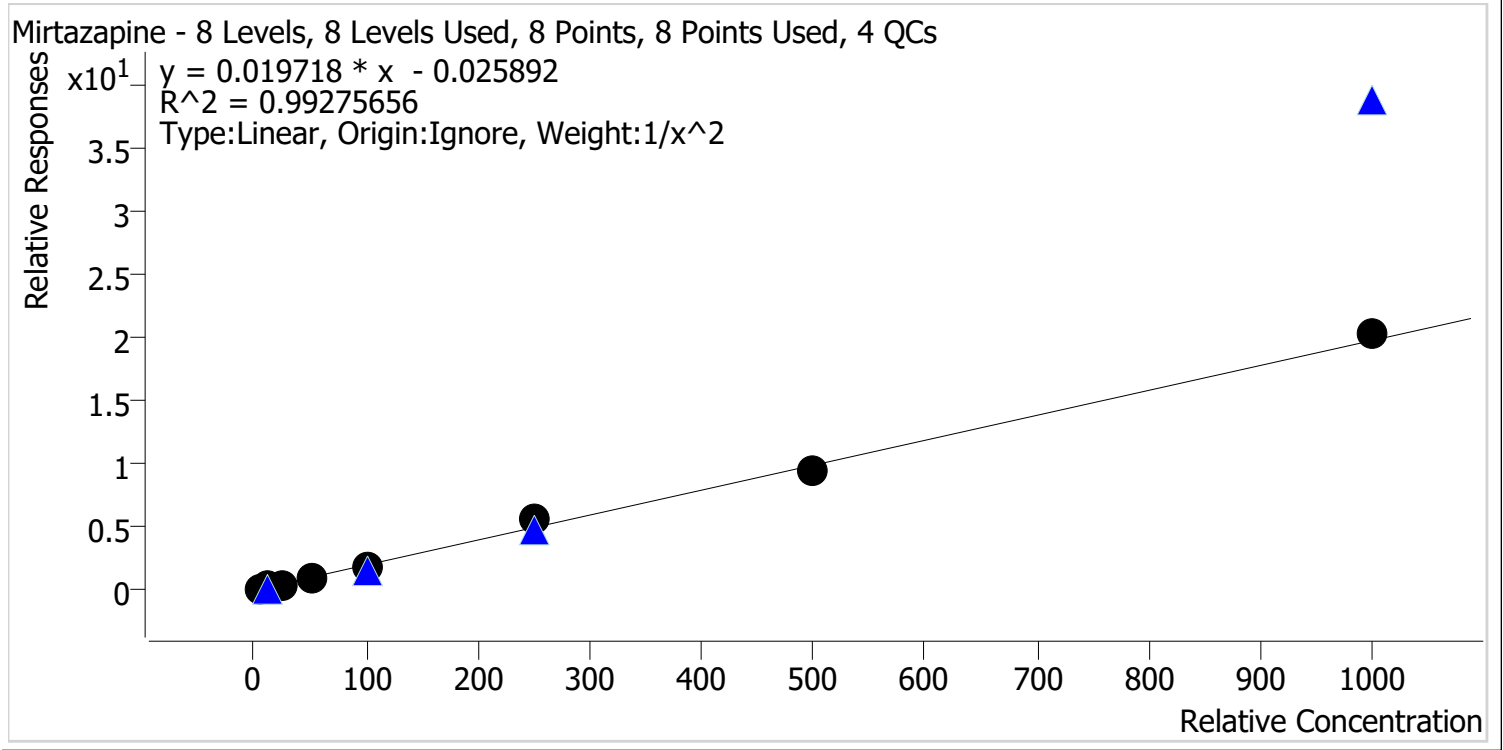
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.0
p1 Cal 2-10ng	2	✓	10.0	10.3	102.6
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.6
p1 Cal 4-50ng	4	✓	50.0	52.6	105.2
p1 Cal 5-100ng	5	✓	100.0	100.0	100.0
p1 Cal 6-250ng	6	✓	250.0	262.1	104.8
p1 Cal 7-500ng	7	✓	500.0	495.2	99.0
p1 Cal 8-1000ng	8	✓	1000.0	857.2	85.7

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 1/13/2022 8:00 AM
Analyst Name ISP\datastor
Analyte Mirtazapine **Internal Standard** alpha-PVP-d8



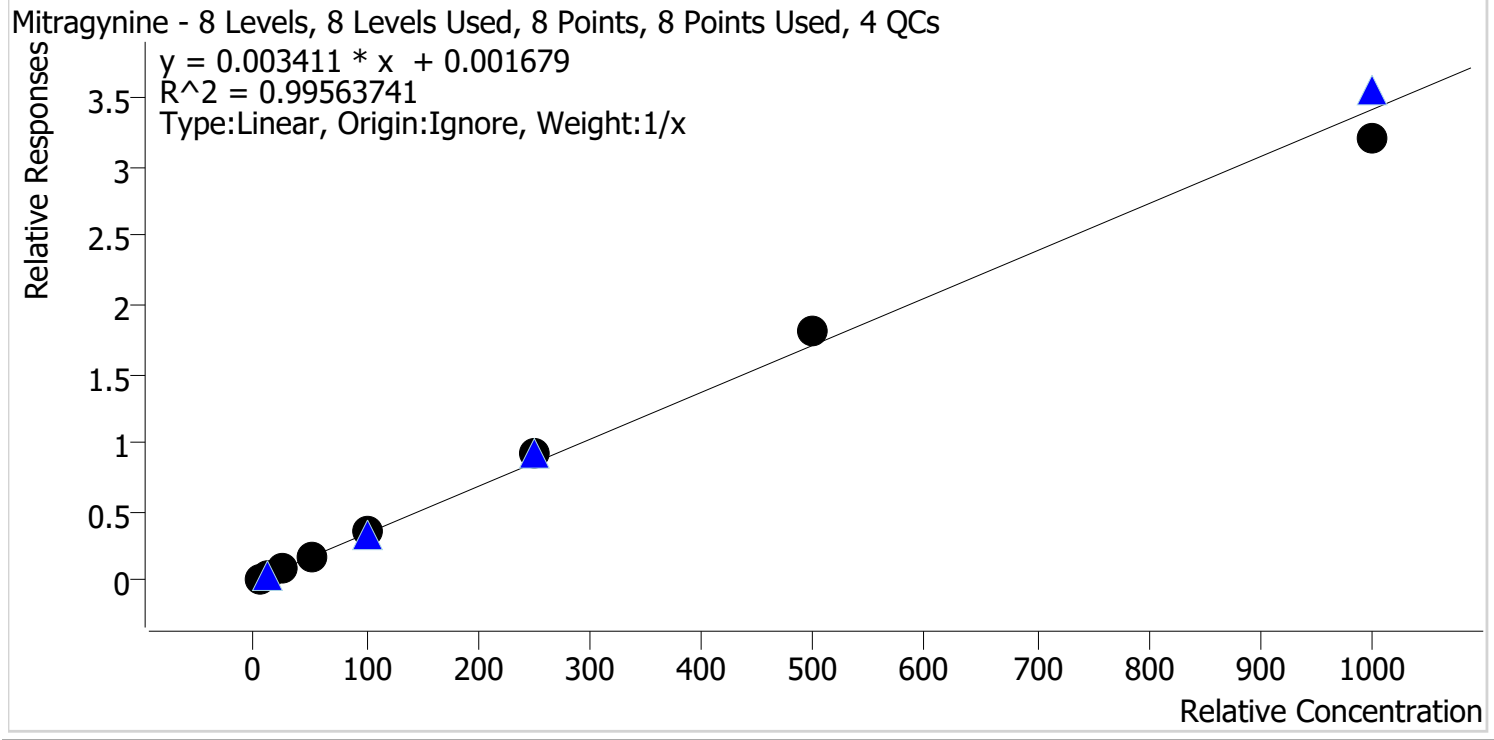
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.5
p1 Cal 2-10ng	2	✓	10.0	10.9	109.3
p1 Cal 3 -25ng	3	✓	25.0	22.6	90.4
p1 Cal 4-50ng	4	✓	50.0	49.1	98.2
p1 Cal 5-100ng	5	✓	100.0	93.6	93.6
p1 Cal 6-250ng	6	✓	250.0	279.5	111.8
p1 Cal 7-500ng	7	✓	500.0	483.9	96.8
p1 Cal 8-1000ng	8	✓	1000.0	1022.9	102.3

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 1/13/2022 8:00 AM
Analyst Name ISP\datastor
Analyte Mitragynine **Internal Standard** Methadone-D9



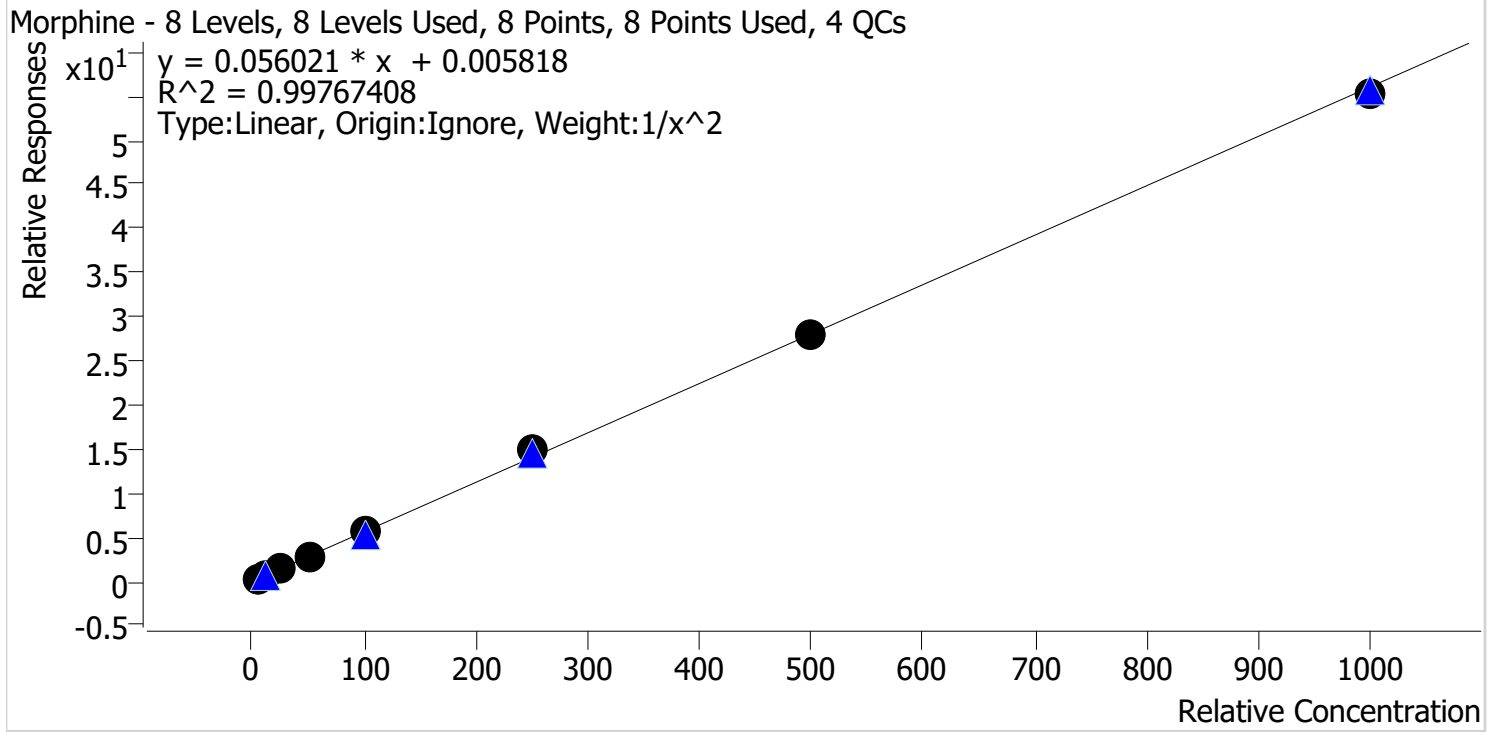
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.3	86.9
p1 Cal 2-10ng	2	✓	10.0	10.2	102.4
p1 Cal 3 -25ng	3	✓	25.0	23.3	93.4
p1 Cal 4-50ng	4	✓	50.0	51.3	102.6
p1 Cal 5-100ng	5	✓	100.0	106.2	106.2
p1 Cal 6-250ng	6	✓	250.0	268.9	107.6
p1 Cal 7-500ng	7	✓	500.0	534.0	106.8
p1 Cal 8-1000ng	8	✓	1000.0	941.7	94.2

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 1/13/2022 8:00 AM
Analyst Name ISP\datastor
Analyte Morphine **Internal Standard** Morphine-D6



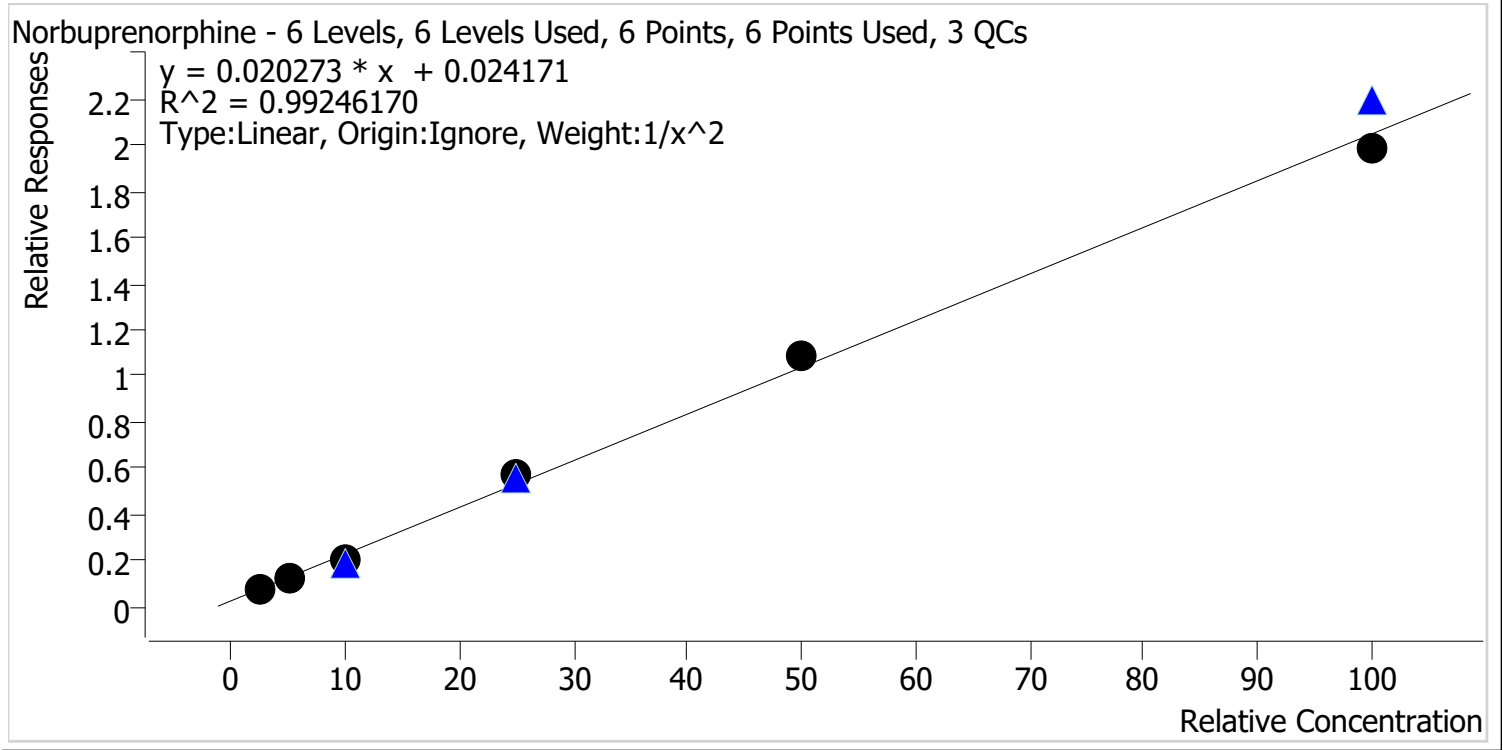
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.7
p1 Cal 2-10ng	2	✓	10.0	10.3	103.1
p1 Cal 3 -25ng	3	✓	25.0	25.5	101.9
p1 Cal 4-50ng	4	✓	50.0	45.8	91.6
p1 Cal 5-100ng	5	✓	100.0	101.1	101.1
p1 Cal 6-250ng	6	✓	250.0	264.2	105.7
p1 Cal 7-500ng	7	✓	500.0	497.5	99.5
p1 Cal 8-1000ng	8	✓	1000.0	983.1	98.3

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 1/13/2022 8:00 AM
Analyst Name ISP\datastor
Analyte Norbuprenorphine **Internal Standard** Norbuprenorphine-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 3 -25ng	3	✓	2.5	2.6	102.4
p1 Cal 4-50ng	4	✓	5.0	4.9	98.8
p1 Cal 5-100ng	5	✓	10.0	8.9	88.7
p1 Cal 6-250ng	6	✓	25.0	27.1	108.5
p1 Cal 7-500ng	7	✓	50.0	52.5	105.0
p1 Cal 8-1000ng	8	✓	100.0	96.6	96.6

Cal 1 and 2 dropped due to S/N being out

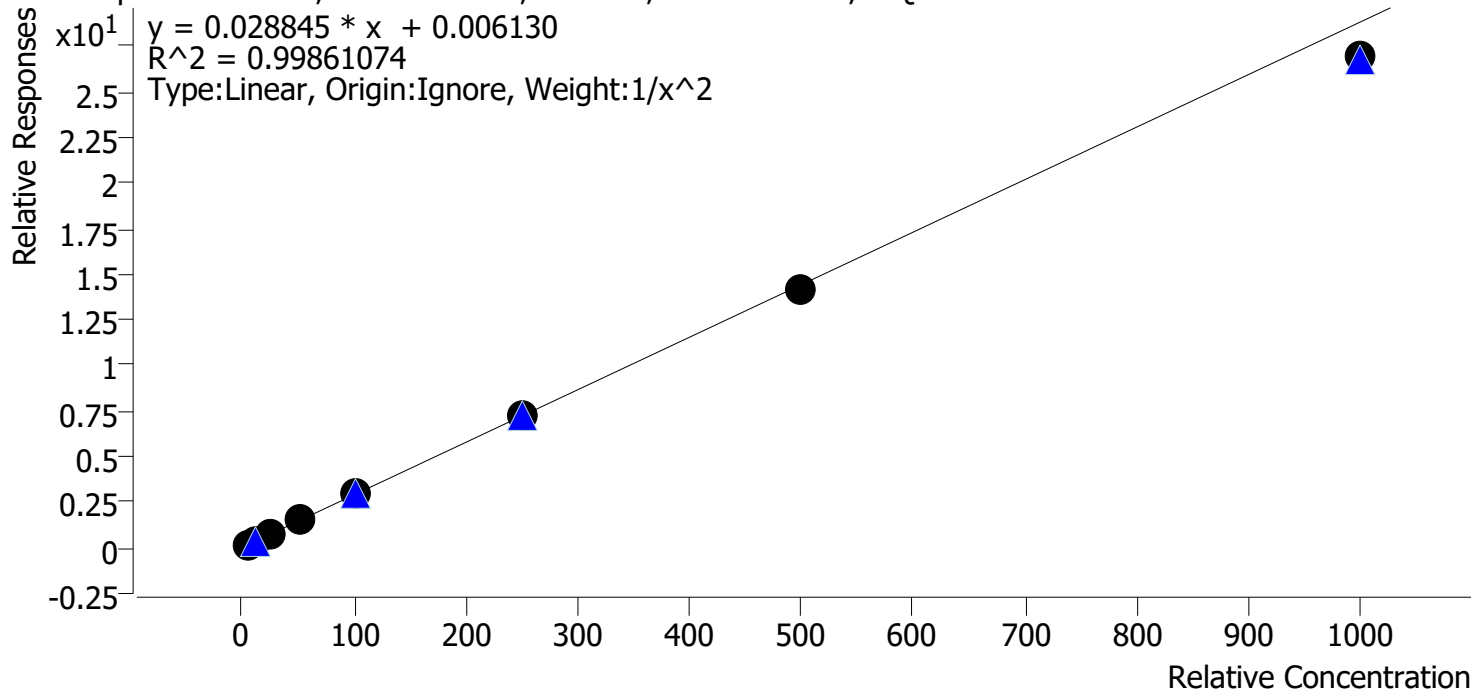
2/21



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 1/13/2022 8:00 AM
Analyst Name ISP\datastor
Analyte Nordiazepam Internal Standard Nordiazepam-D5

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



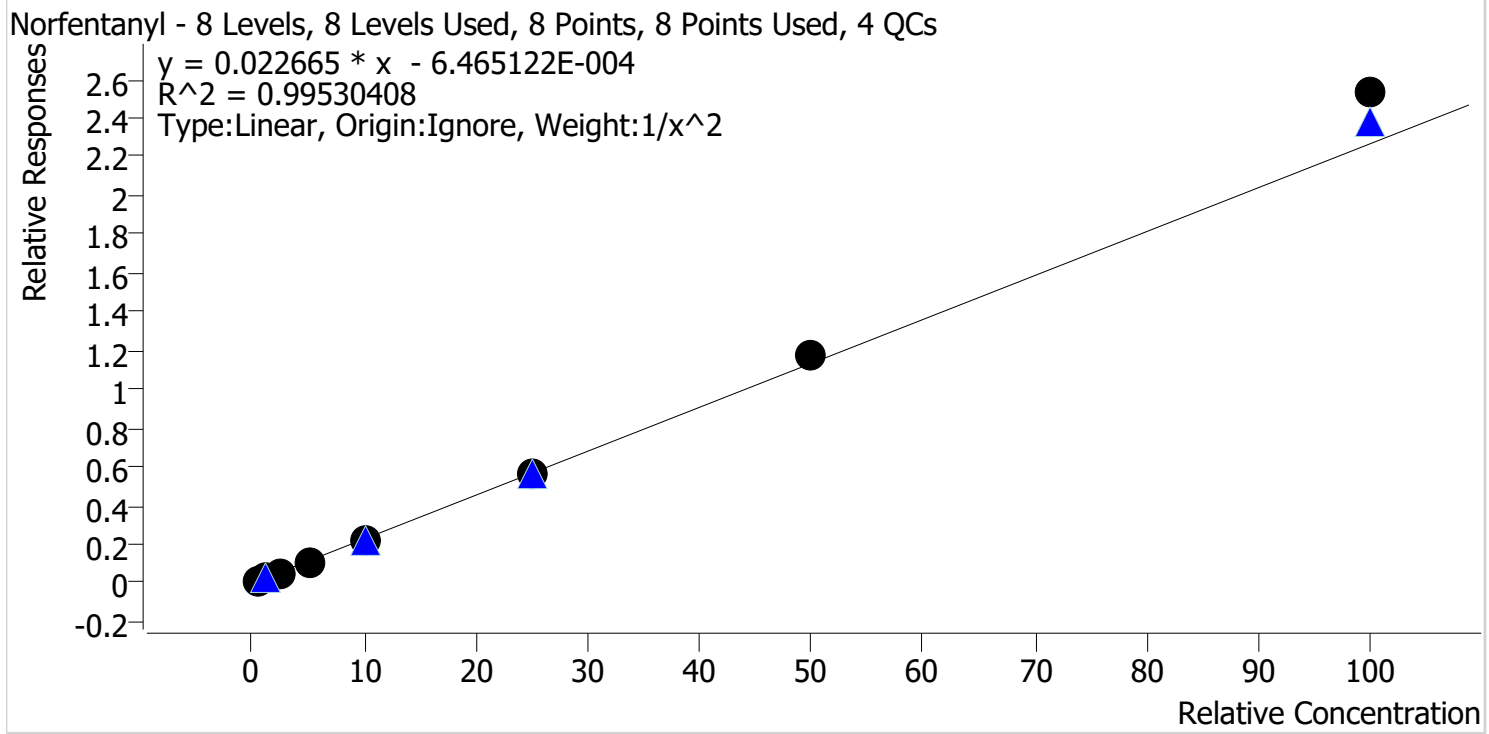
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.9
p1 Cal 2-10ng	2	✓	10.0	10.0	100.4
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.6
p1 Cal 4-50ng	4	✓	50.0	50.5	100.9
p1 Cal 5-100ng	5	✓	100.0	103.2	103.2
p1 Cal 6-250ng	6	✓	250.0	253.4	101.4
p1 Cal 7-500ng	7	✓	500.0	491.3	98.3
p1 Cal 8-1000ng	8	✓	1000.0	934.3	93.4

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 1/13/2022 8:00 AM
Analyst Name ISP\datastor
Analyte Norfentanyl Internal Standard Norfentanyl-D5



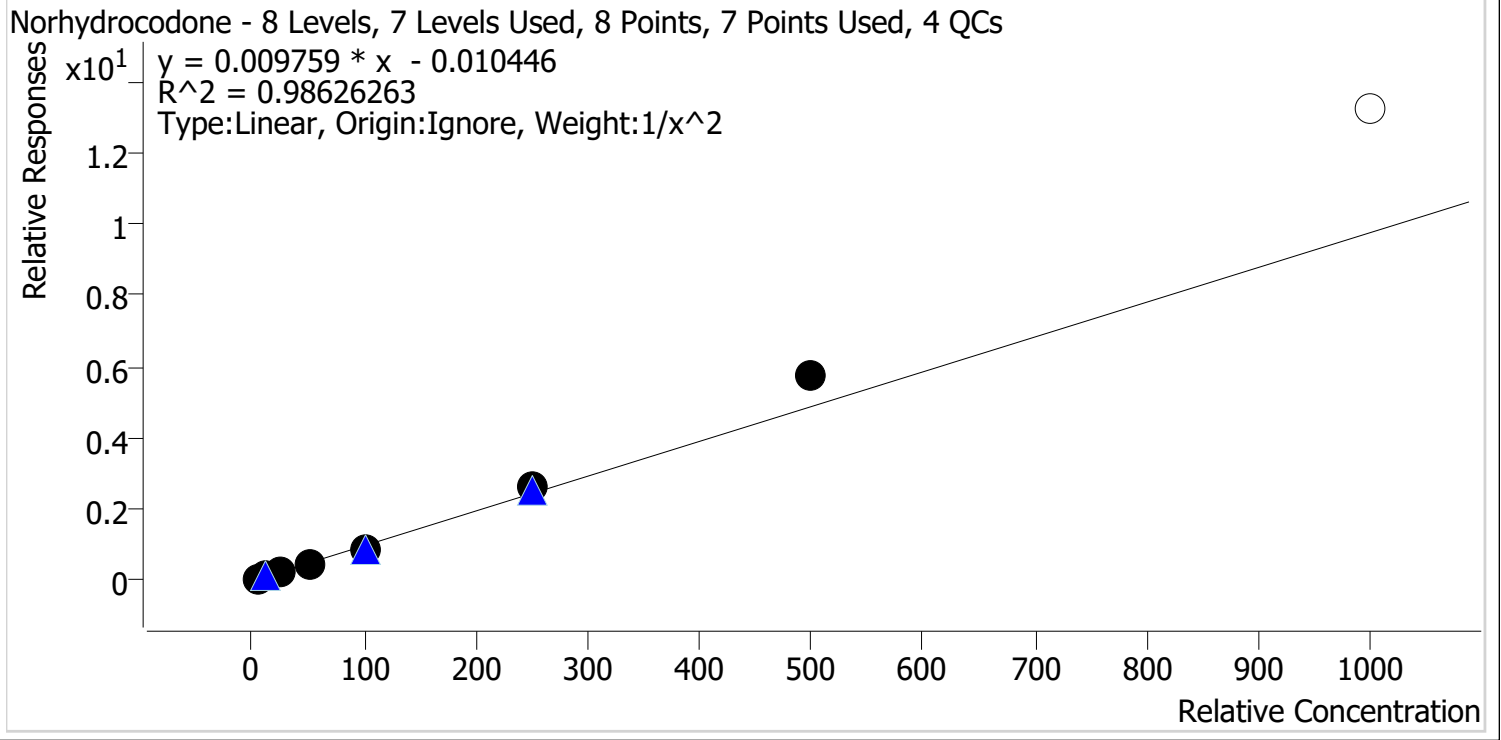
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	103.0
p1 Cal 2-10ng	2	✓	1.0	1.0	97.4
p1 Cal 3 -25ng	3	✓	2.5	2.4	94.7
p1 Cal 4-50ng	4	✓	5.0	4.7	94.9
p1 Cal 5-100ng	5	✓	10.0	9.4	94.5
p1 Cal 6-250ng	6	✓	25.0	25.0	100.2
p1 Cal 7-500ng	7	✓	50.0	51.8	103.6
p1 Cal 8-1000ng	8	✓	100.0	111.7	111.7

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 1/13/2022 8:00 AM
Analyst Name ISP\datastor
Analyte Norhydrocodone **Internal Standard** Norhydrocodone-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	105.5
p1 Cal 2-10ng	2	✓	10.0	9.4	93.9
p1 Cal 3 -25ng	3	✓	25.0	23.1	92.3
p1 Cal 4-50ng	4	✓	50.0	45.9	91.9
p1 Cal 5-100ng	5	✓	100.0	92.5	92.5
p1 Cal 6-250ng	6	✓	250.0	265.9	106.4
p1 Cal 7-500ng	7	✓	500.0	587.8	117.6
p1 Cal 8-1000ng	8	✗	1000.0	1352.3	135.2

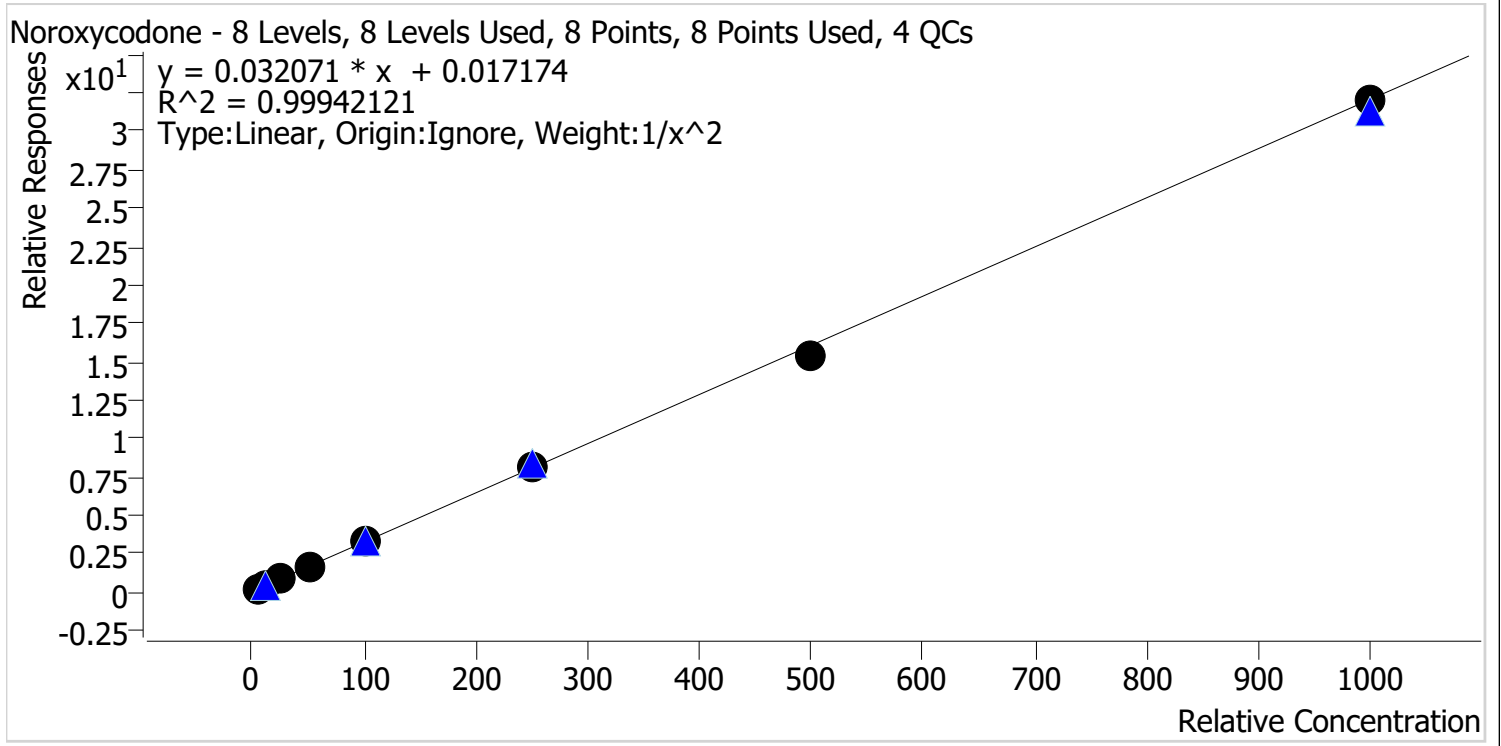
Cal 8 dropped due to accuracy

2/21



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 1/13/2022 8:00 AM
Analyst Name ISP\datastor
Analyte Noroxycodone **Internal Standard** Noroxycodone-D3



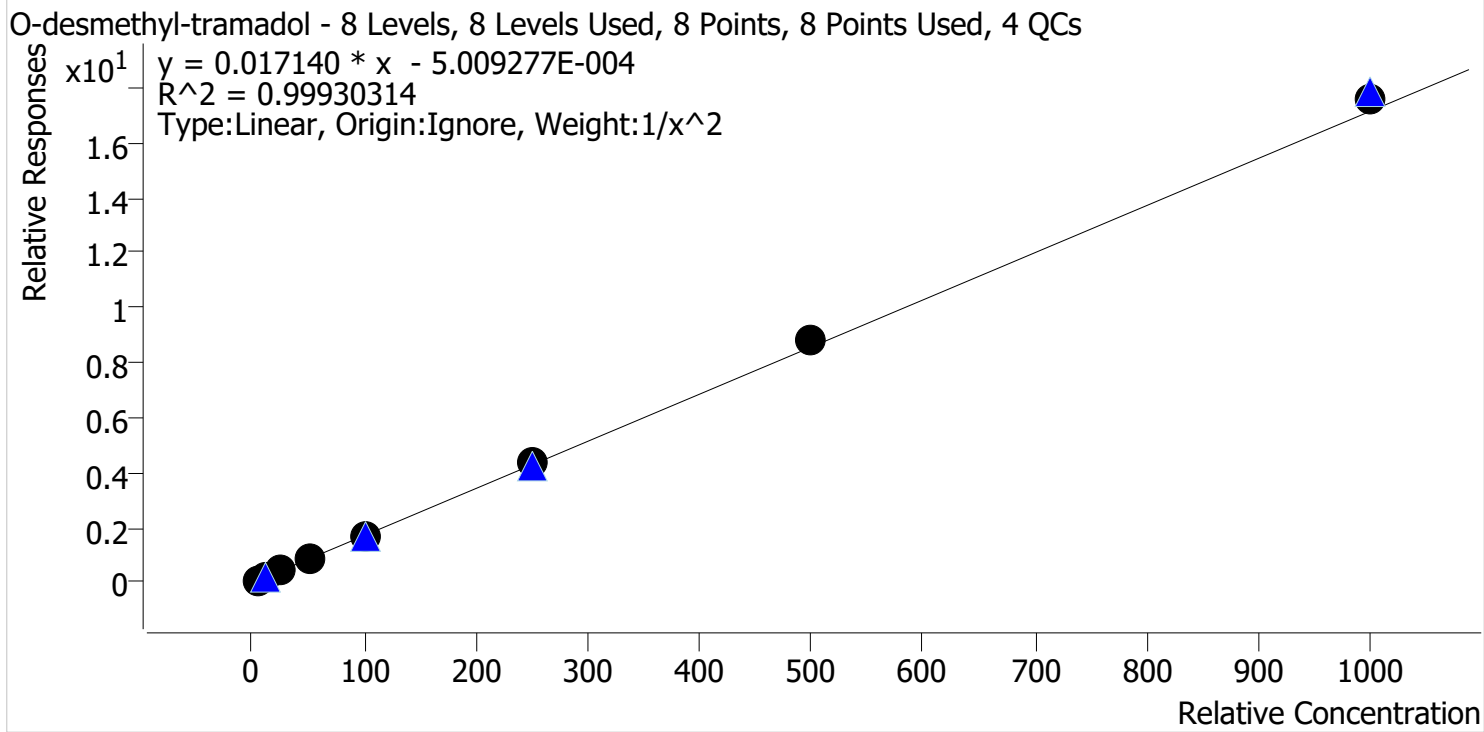
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.7
p1 Cal 2-10ng	2	✓	10.0	10.3	102.6
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.1
p1 Cal 4-50ng	4	✓	50.0	51.0	102.0
p1 Cal 5-100ng	5	✓	100.0	100.3	100.3
p1 Cal 6-250ng	6	✓	250.0	253.7	101.5
p1 Cal 7-500ng	7	✓	500.0	480.6	96.1
p1 Cal 8-1000ng	8	✓	1000.0	997.6	99.8

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 1/13/2022 8:00 AM
Analyst Name ISP\datastor
Analyte O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6



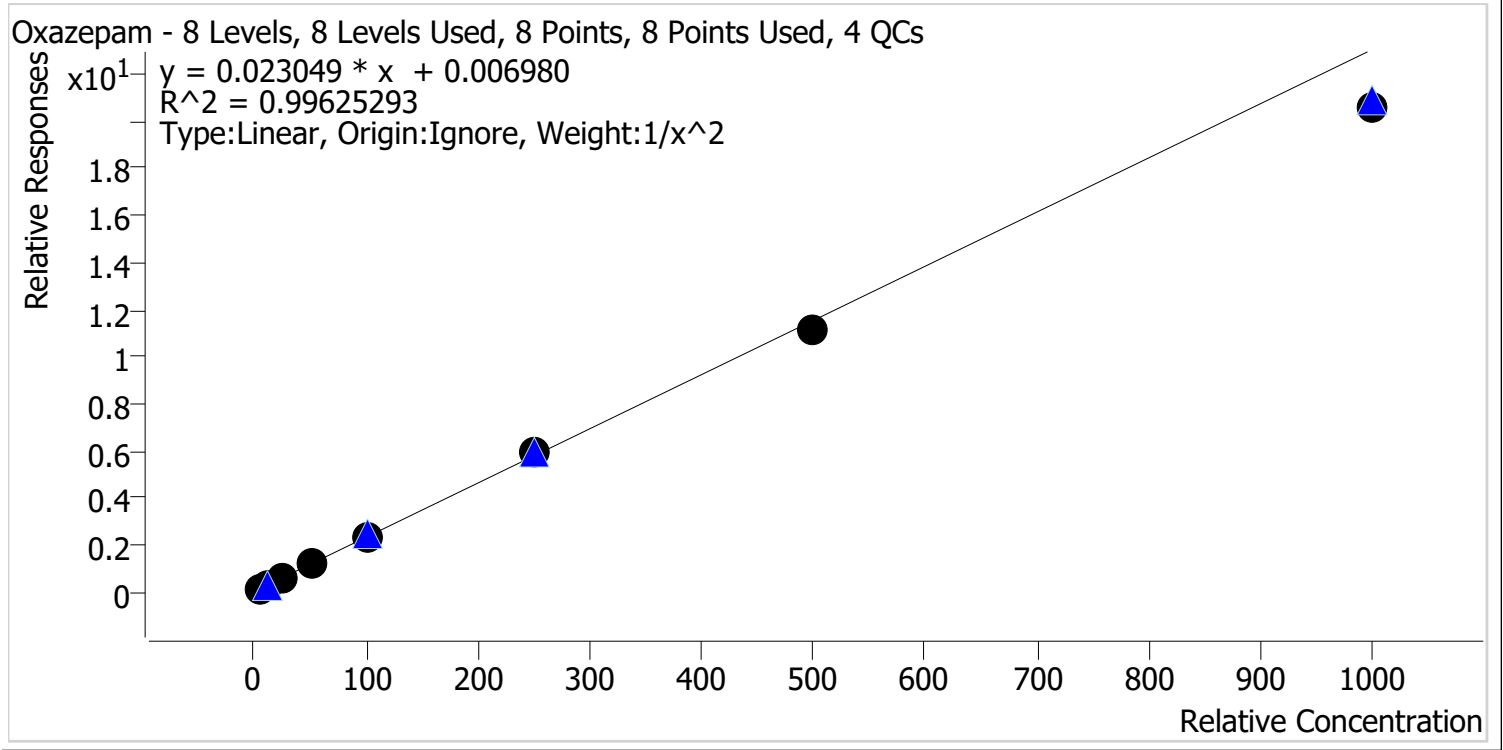
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.5
p1 Cal 2-10ng	2	✓	10.0	9.9	98.7
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.0
p1 Cal 4-50ng	4	✓	50.0	49.3	98.5
p1 Cal 5-100ng	5	✓	100.0	97.5	97.5
p1 Cal 6-250ng	6	✓	250.0	254.6	101.8
p1 Cal 7-500ng	7	✓	500.0	513.1	102.6
p1 Cal 8-1000ng	8	✓	1000.0	1023.3	102.3

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 1/13/2022 8:00 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	4.8	97.0
p1 Cal 2-10ng	2	✓	10.0	10.4	104.0
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.5
p1 Cal 4-50ng	4	✓	50.0	51.9	103.8
p1 Cal 5-100ng	5	✓	100.0	102.7	102.7
p1 Cal 6-250ng	6	✓	250.0	260.1	104.0
p1 Cal 7-500ng	7	✓	500.0	483.9	96.8
p1 Cal 8-1000ng	8	✓	1000.0	891.4	89.1

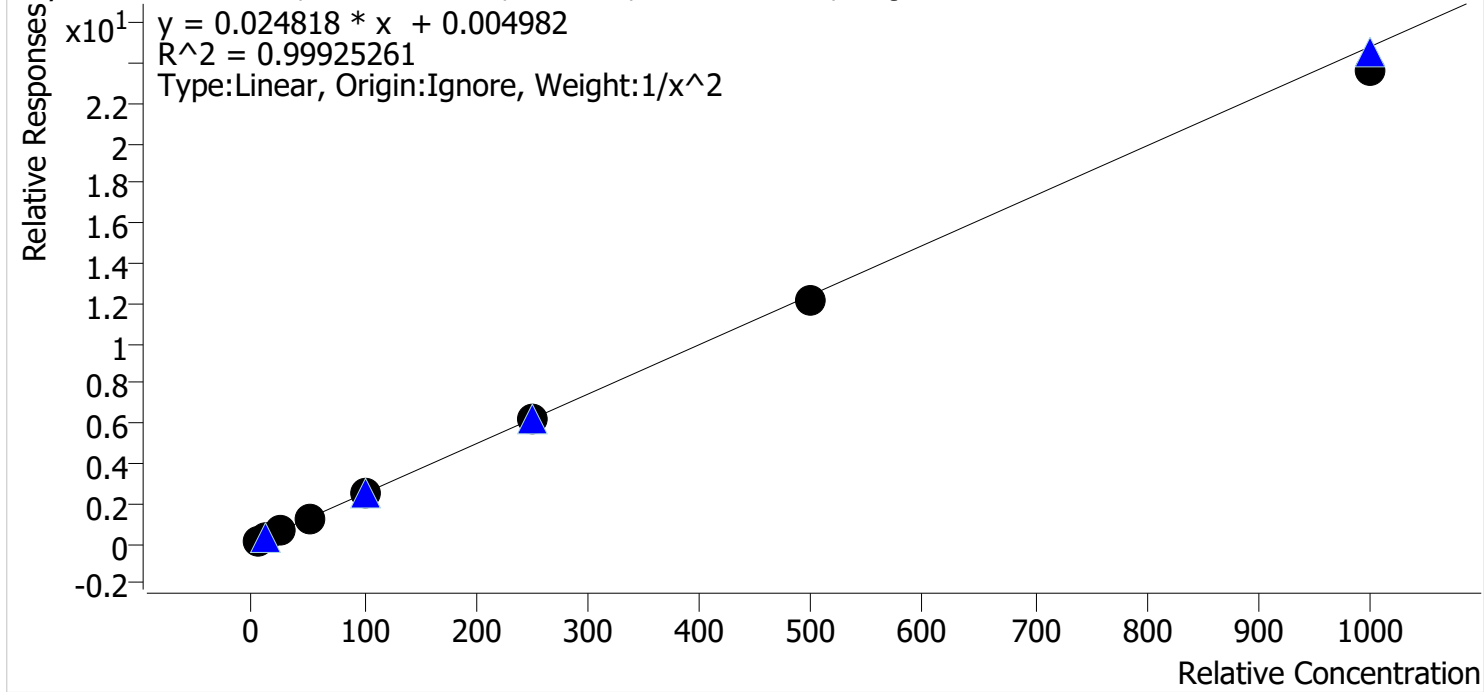
2/21



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 1/13/2022 8:00 AM
Analyst Name ISP\datastor
Analyte Oxycodone **Internal Standard** Oxycodone-D6

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



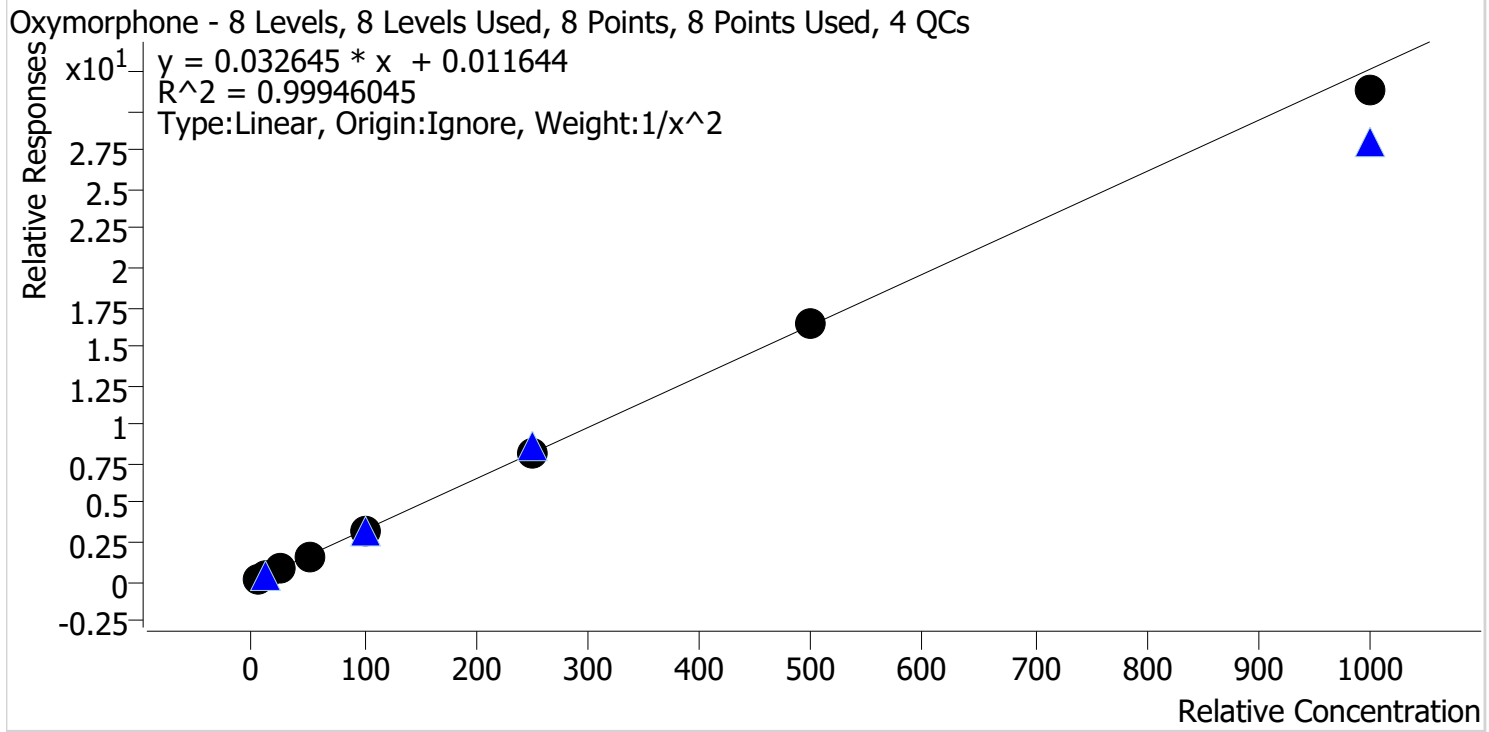
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.3
p1 Cal 2-10ng	2	✓	10.0	10.2	102.2
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.1
p1 Cal 4-50ng	4	✓	50.0	50.6	101.1
p1 Cal 5-100ng	5	✓	100.0	101.6	101.6
p1 Cal 6-250ng	6	✓	250.0	251.9	100.8
p1 Cal 7-500ng	7	✓	500.0	492.5	98.5
p1 Cal 8-1000ng	8	✓	1000.0	954.3	95.4

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 1/13/2022 8:00 AM
Analyst Name ISP\datastor
Analyte Oxymorphone **Internal Standard** Oxymorphone-D3



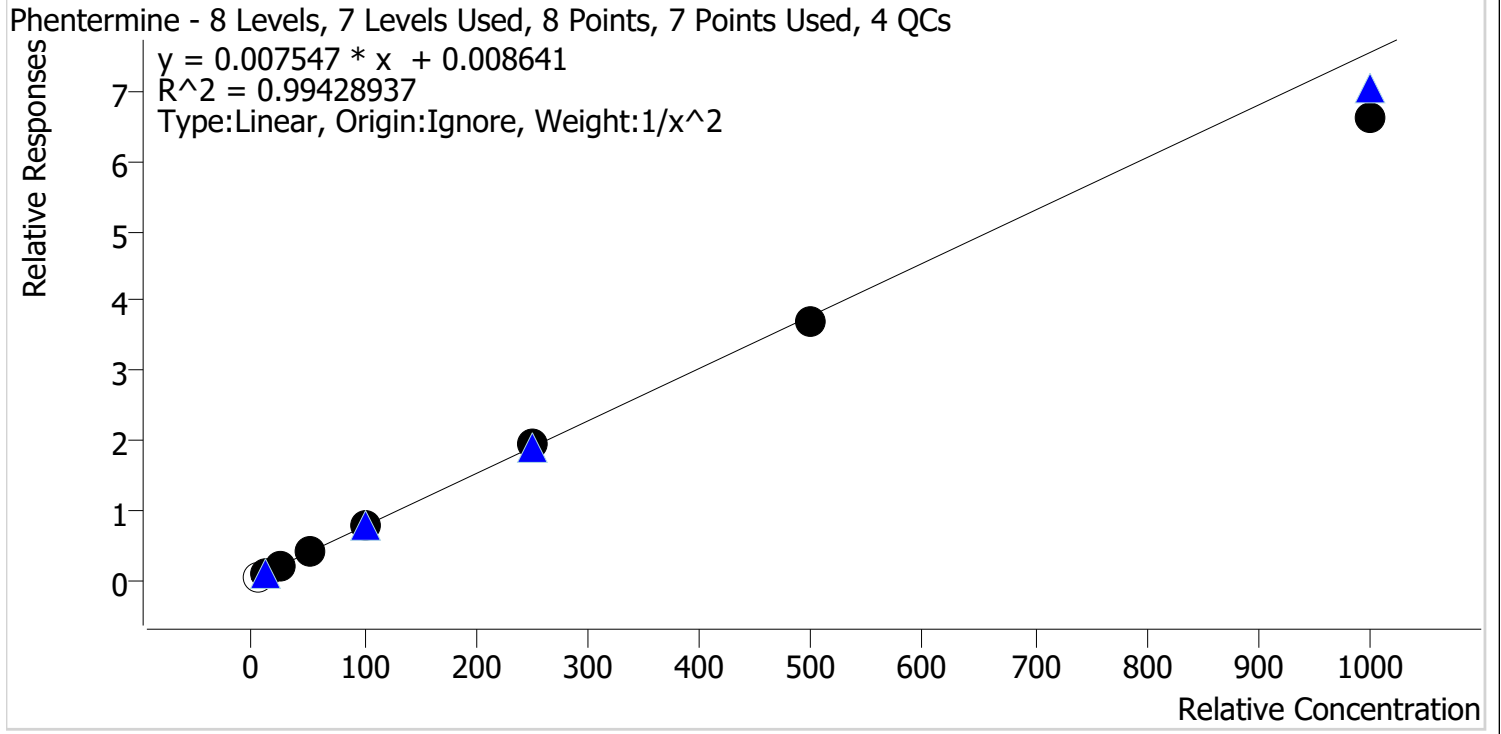
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.5
p1 Cal 2-10ng	2	✓	10.0	10.2	102.3
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.4
p1 Cal 4-50ng	4	✓	50.0	50.4	100.8
p1 Cal 5-100ng	5	✓	100.0	100.4	100.4
p1 Cal 6-250ng	6	✓	250.0	252.1	100.8
p1 Cal 7-500ng	7	✓	500.0	499.7	99.9
p1 Cal 8-1000ng	8	✓	1000.0	958.1	95.8

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 1/13/2022 8:00 AM
Analyst Name ISP\datastor
Analyte Phentermine **Internal Standard** Phentermine-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	x	5.0	4.3	85.3
p1 Cal 2-10ng	2	✓	10.0	9.7	97.2
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.2
p1 Cal 4-50ng	4	✓	50.0	54.2	108.3
p1 Cal 5-100ng	5	✓	100.0	102.3	102.3
p1 Cal 6-250ng	6	✓	250.0	259.9	104.0
p1 Cal 7-500ng	7	✓	500.0	490.7	98.1
p1 Cal 8-1000ng	8	✓	1000.0	878.6	87.9

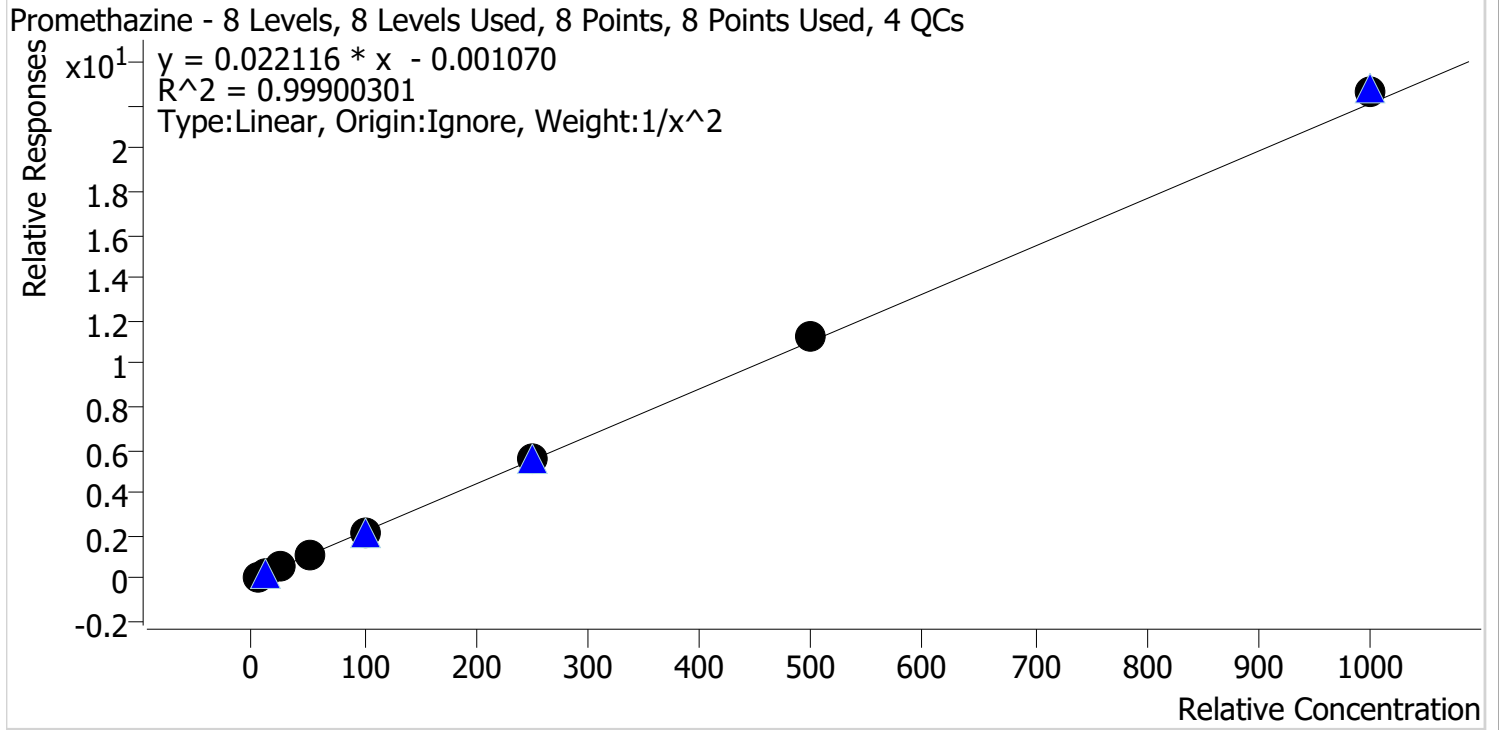
Cal 1 dropped due to S/N being out

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 1/13/2022 8:00 AM
Analyst Name ISP\datastor
Analyte Promethazine **Internal Standard** Promethazine-D3



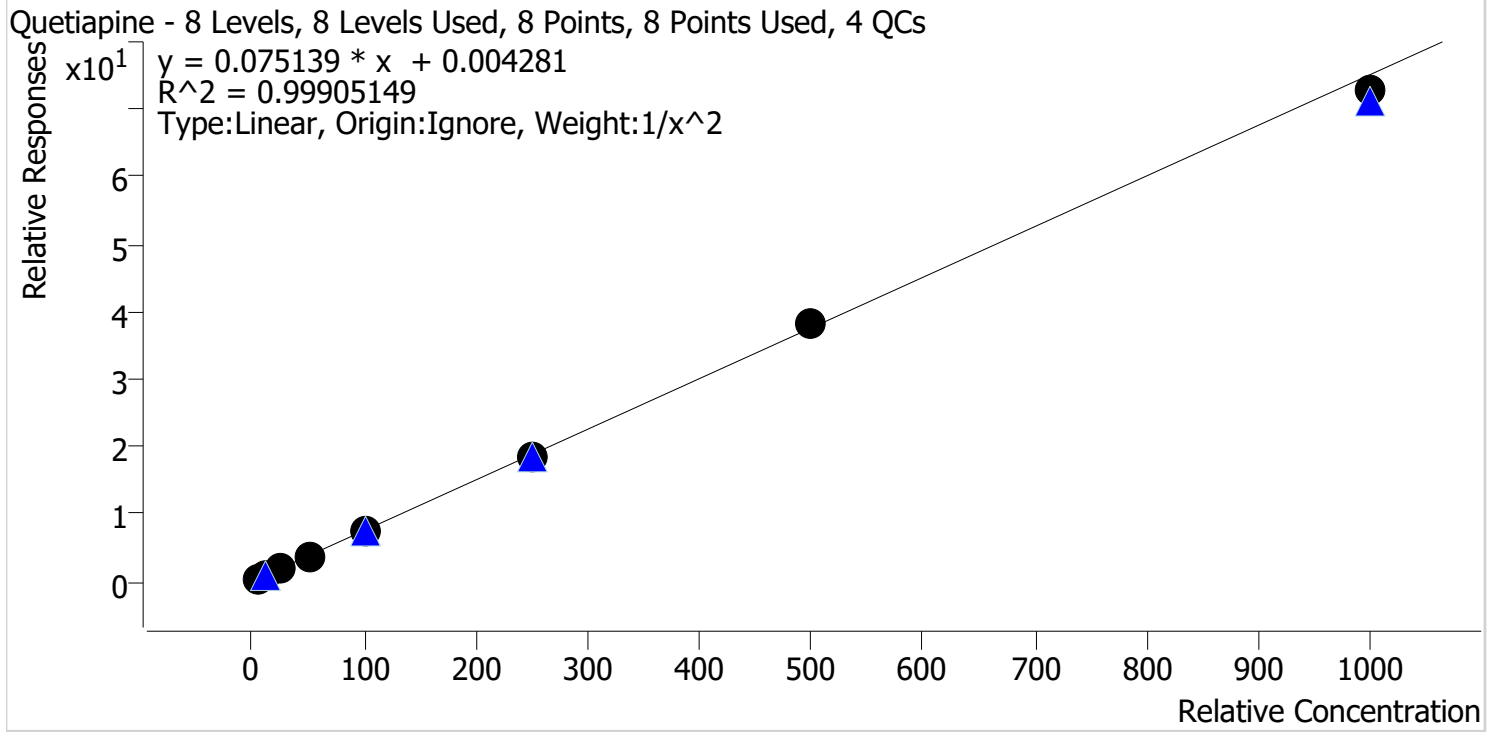
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.9
p1 Cal 2-10ng	2	✓	10.0	10.4	103.6
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.2
p1 Cal 4-50ng	4	✓	50.0	47.4	94.7
p1 Cal 5-100ng	5	✓	100.0	99.3	99.3
p1 Cal 6-250ng	6	✓	250.0	249.7	99.9
p1 Cal 7-500ng	7	✓	500.0	511.2	102.2
p1 Cal 8-1000ng	8	✓	1000.0	1022.0	102.2

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 1/13/2022 8:00 AM
Analyst Name ISP\datastor
Analyte Quetiapine **Internal Standard** Quetiapine-D8



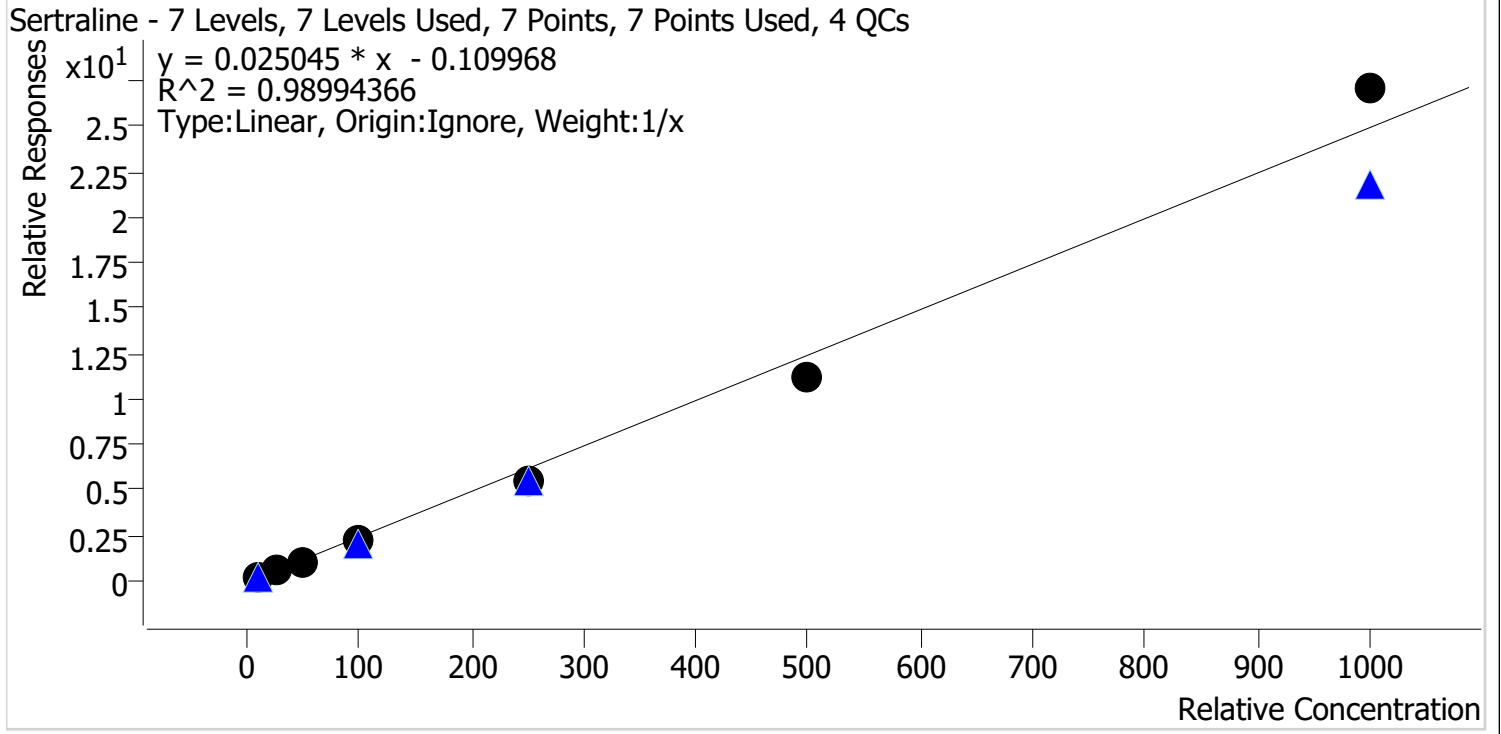
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.8
p1 Cal 2-10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.9
p1 Cal 4-50ng	4	✓	50.0	50.3	100.6
p1 Cal 5-100ng	5	✓	100.0	97.4	97.4
p1 Cal 6-250ng	6	✓	250.0	246.4	98.6
p1 Cal 7-500ng	7	✓	500.0	511.5	102.3
p1 Cal 8-1000ng	8	✓	1000.0	968.4	96.8

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 1/13/2022 8:00 AM
Analyst Name ISP\datastor
Analyte Sertraline **Internal Standard** Sertraline-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 2-10ng	2	✓	10.0	12.6	125.6
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.0
p1 Cal 4-50ng	4	✓	50.0	46.5	93.0
p1 Cal 5-100ng	5	✓	100.0	92.1	92.1
p1 Cal 6-250ng	6	✓	250.0	220.4	88.2
p1 Cal 7-500ng	7	✓	500.0	452.5	90.5
p1 Cal 8-1000ng	8	✓	1000.0	1085.4	108.5

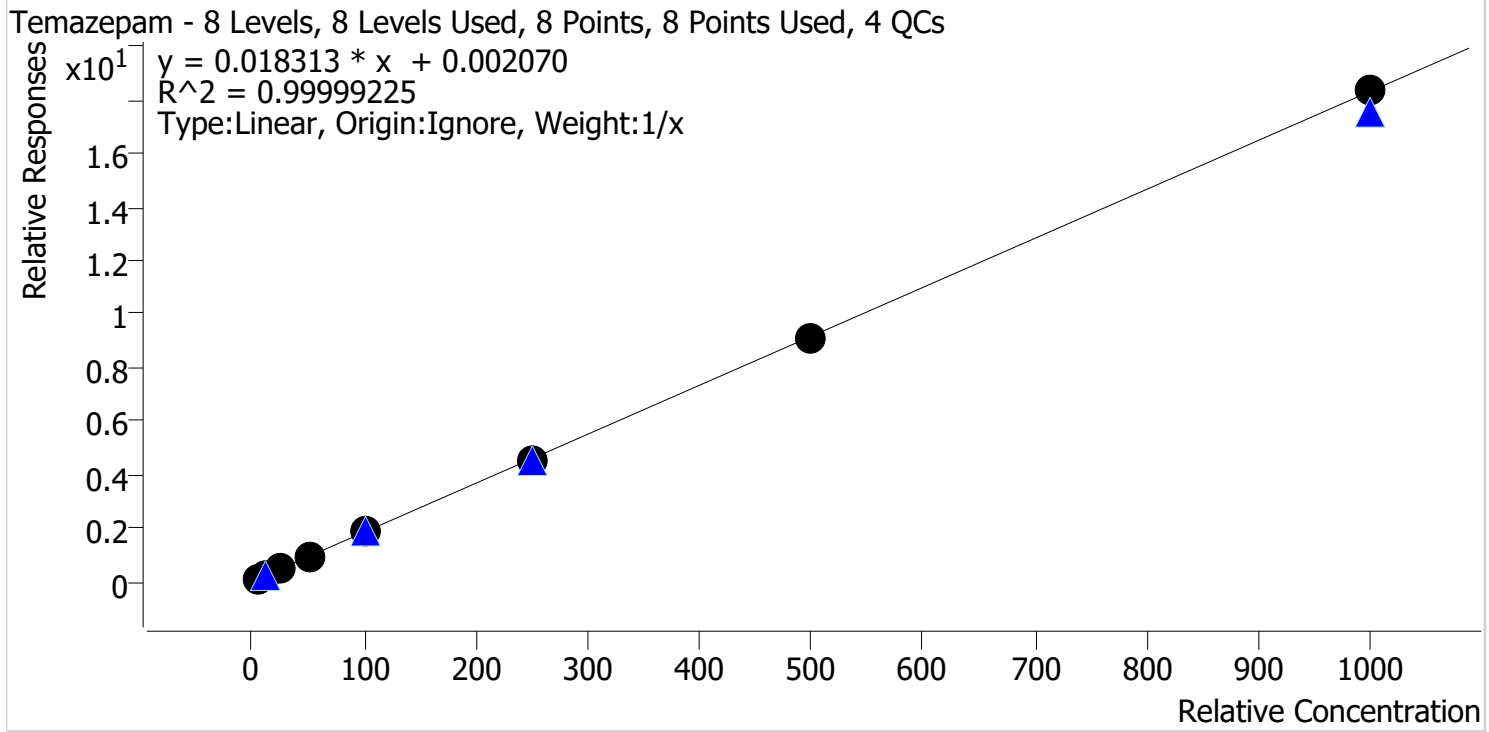
Cal 1 dropped due to S/N and accuracy being out
 Qualitative only because cal 1 dropped

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 1/13/2022 8:00 AM
Analyst Name ISP\datastor
Analyte Temazepam **Internal Standard** Temazepam-D5



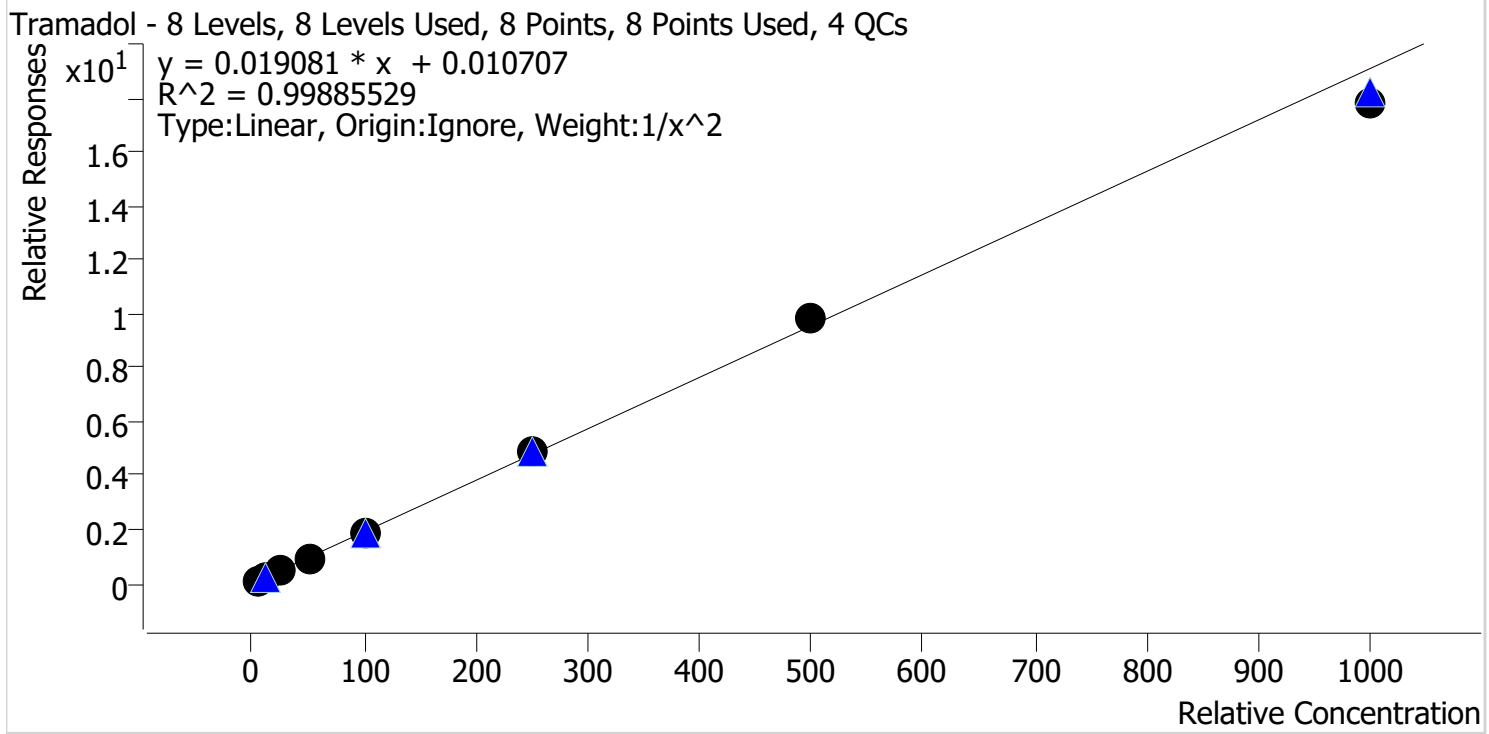
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.8
p1 Cal 2-10ng	2	✓	10.0	10.2	101.5
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.9
p1 Cal 4-50ng	4	✓	50.0	49.6	99.3
p1 Cal 5-100ng	5	✓	100.0	99.8	99.8
p1 Cal 6-250ng	6	✓	250.0	249.5	99.8
p1 Cal 7-500ng	7	✓	500.0	499.1	99.8
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\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 1/13/2022 8:00 AM
Analyst Name ISP\datastor
Analyte Tramadol **Internal Standard** Tramadol-13C-D3



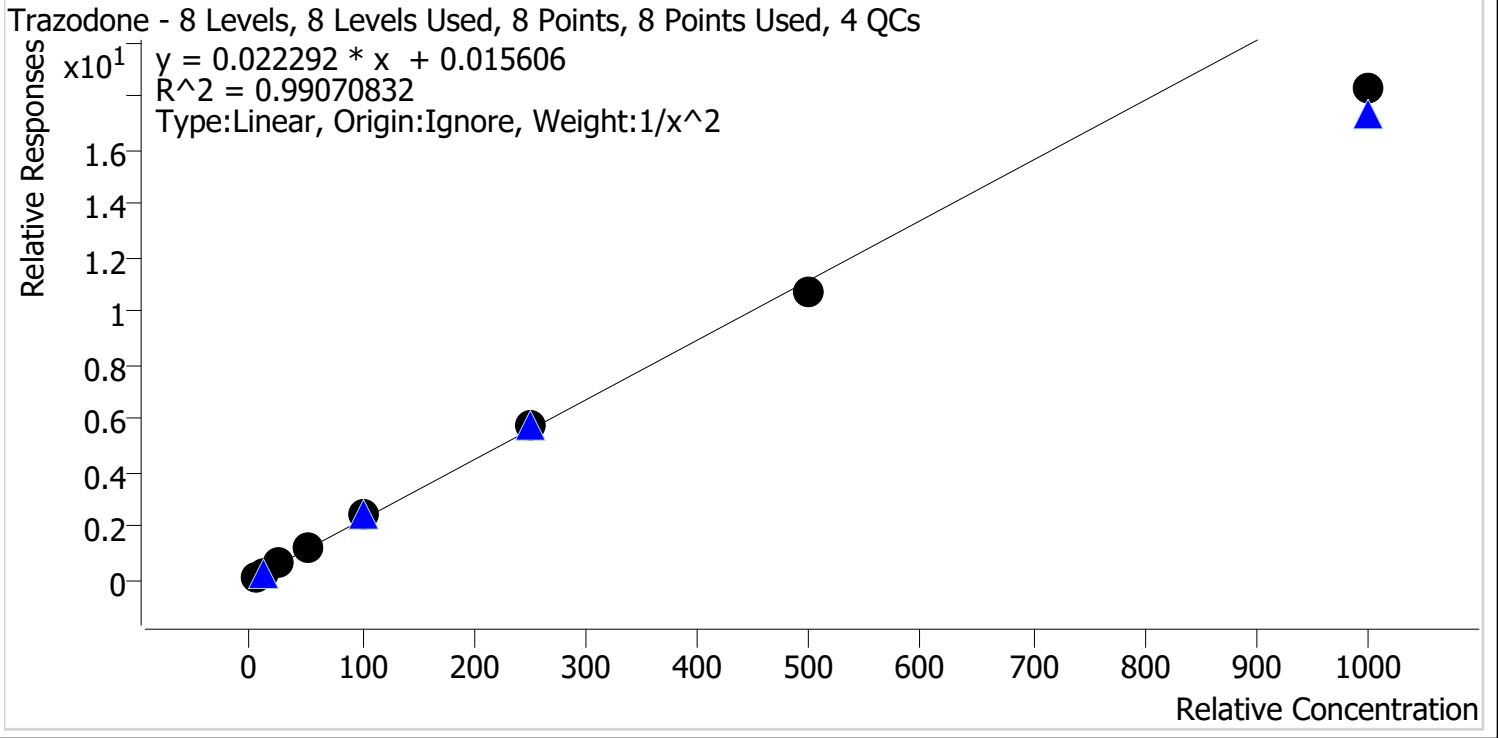
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.1
p1 Cal 2-10ng	2	✓	10.0	10.2	101.5
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.6
p1 Cal 4-50ng	4	✓	50.0	50.2	100.4
p1 Cal 5-100ng	5	✓	100.0	99.4	99.4
p1 Cal 6-250ng	6	✓	250.0	257.8	103.1
p1 Cal 7-500ng	7	✓	500.0	511.9	102.4
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\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 1/13/2022 8:00 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	4.8	96.9
p1 Cal 2-10ng	2	✓	10.0	10.3	102.7
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.8
p1 Cal 4-50ng	4	✓	50.0	53.8	107.6
p1 Cal 5-100ng	5	✓	100.0	107.1	107.1
p1 Cal 6-250ng	6	✓	250.0	259.9	104.0
p1 Cal 7-500ng	7	✓	500.0	480.6	96.1
p1 Cal 8-1000ng	8	✓	1000.0	819.8	82.0

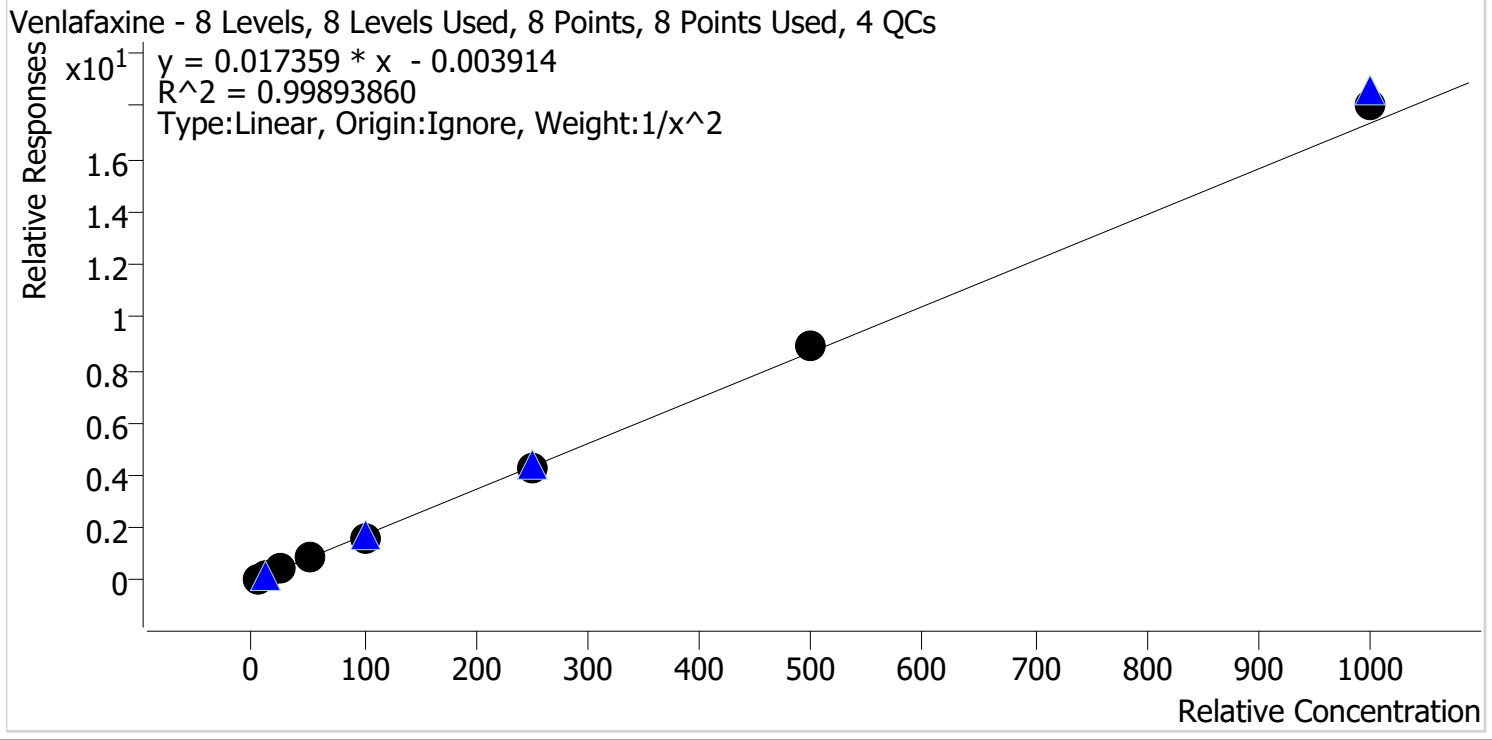
Qualitative only due to QC accuracy

AK



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 1/13/2022 8:00 AM
Analyst Name ISP\datastor
Analyte Venlafaxine **Internal Standard** Venlafaxine-D6



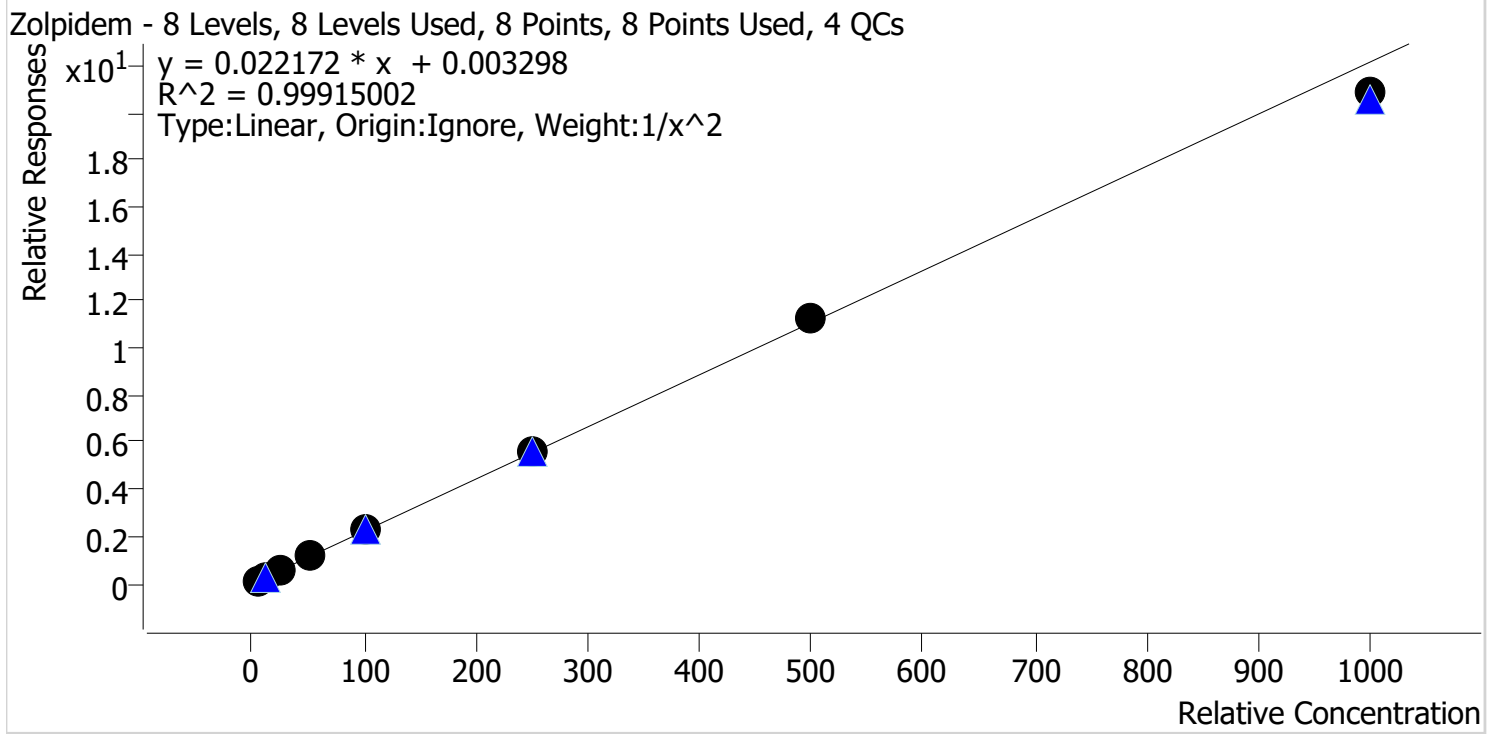
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.7
p1 Cal 2-10ng	2	✓	10.0	9.9	99.2
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.3
p1 Cal 4-50ng	4	✓	50.0	49.0	97.9
p1 Cal 5-100ng	5	✓	100.0	95.5	95.5
p1 Cal 6-250ng	6	✓	250.0	247.0	98.8
p1 Cal 7-500ng	7	✓	500.0	515.6	103.1
p1 Cal 8-1000ng	8	✓	1000.0	1043.8	104.4

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Last Cal. Update 1/13/2022 8:00 AM
Analyst Name ISP\datastor
Analyte Zolpidem **Internal Standard** Zolpidem-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.3
p1 Cal 2-10ng	2	✓	10.0	10.1	101.0
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.5
p1 Cal 4-50ng	4	✓	50.0	50.1	100.1
p1 Cal 5-100ng	5	✓	100.0	101.4	101.4
p1 Cal 6-250ng	6	✓	250.0	255.3	102.1
p1 Cal 7-500ng	7	✓	500.0	507.0	101.4
p1 Cal 8-1000ng	8	✓	1000.0	941.3	94.1

201

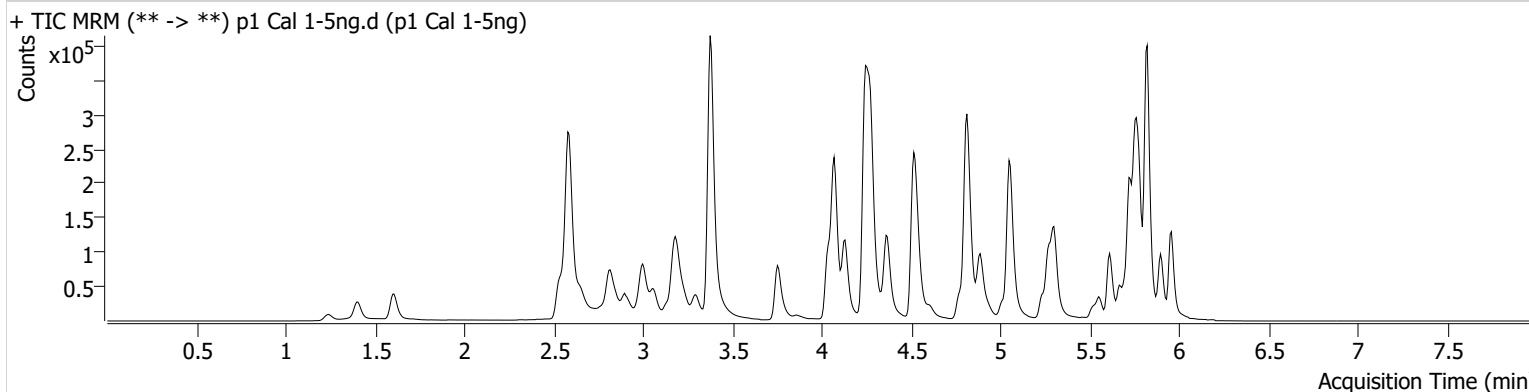


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Calibration Last Update 1/13/2022 8:00:24 AM

Instrument	Falco (069901)	Data File	p1 Cal 1-5ng.d
Type	Cal	Sample	p1 Cal 1-5ng
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P2-A1	Comment	
Injection Volume	2		
Acq. Date-Time	1/5/2022 8:45:34 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.		
6-MAM	3.145	792	184.00	66.7	156.97	38165	0.4762 ng/ml		
7-aminoclonazepam	4.258	14403	2094.85	78.3	1712.34	106107	4.8956 ng/ml		
a-hydroxyalprazolam	5.705	10296	164.49	69.3	458.74	241267	4.9140 ng/ml		
alpha-PHP	4.937	6100	298.22	255.7	657.05	260422	4.9105 ng/ml		
alpha-PVP	4.376	28111	3224.98	50.8	170.83	260422	5.0246 ng/ml		
Alprazolam	5.782	33300	294.75	114.3	283.28	241267	5.1785 ng/ml		
Amphetamine	3.063	36168	259.95	50.4	261.54	84274	4.8686 ng/ml		
Benzoylcegonine	3.886	1749	20.82	8.0	23.14	9351	5.8432 ng/ml		
Bupropion	4.788	12160	2913.01	63.6	122.06	89109	4.9709 ng/ml		
Carisoprodol	5.730	35959	2777.49	52.1	228.64	328277	5.5918 ng/ml		
Citalopram	5.232	7927	223.98	37.2	5599.27	73317	5.0162 ng/ml		
Clonazepam	5.618	44524	198.27	35.8	186.60	113234	4.7606 ng/ml		
Clonazolam	5.555	26084	8365.95	33.2	17202.09	113234	4.3689 ng/ml		
Cocaine	4.271	30951	576.67	56.0	149.18	514274	4.9873 ng/ml		
Codeine	2.587	4879	7053.13	110.4	79.87	48810	4.7715 ng/ml		
Cyclobenzaprine	5.635	1196	35.97	9.7	2.60	12485	4.9709 ng/ml		
Dextromethorphan	5.282	3685	2015.59	86.7	175.15	30577	4.9336 ng/ml		
Dextrophan	4.132	8815	21319.23	215.1	592.97	224130	5.1383 ng/ml		
Diazepam	5.960	22369	323.22	93.7	320.46	221411	4.9831 ng/ml		
Dihydrocodeine	2.565	12276	106.32	59.3	14037.83	151981	4.7280 ng/ml		
Diphenhydramine	5.303	20290	187.60	29.1	516.72	239311	5.0172 ng/ml		
Doxylamine	4.536	70246	4493.62	100.2	6245.48	619396	5.0392 ng/ml		
EDDP	5.275	16275	917.57	41.6	48.08	189904	5.0448 ng/ml		
Etizolam	5.826	15703	21988.26	26.1	14858.16	113234	5.0290 ng/ml		
Fentanyl	5.089	190	7.77	Low	88.4	High	442.71	24870	0.7798 ng/ml
Flualprazolam	5.712	11808	871.41	99.8	1832.48	241267	4.9168 ng/ml		
Fluoxetine	5.727	1031	109.17	9.7	97.09	7587	5.0915 ng/ml		
Hydrocodone	3.025	15756	248.79	31.7	61.55	188571	4.9253 ng/ml		
Hydromorphone	1.615	14274	119.78	82.0	777.60	102051	4.9488 ng/ml		
Ketamine	4.051	28987	1318.84	38.2	39.70	246326	4.9466 ng/ml		
Lamotrigine	4.287	3182	170.05	85.3	1336.91	246326	5.0202 ng/ml		
Levetiracetam	2.649	21124	519.43	140.5	155.19	753953	5.2188 ng/ml		
Lorazepam	5.753	40658	1553.13	48.0	128.96	113234	4.3140 ng/ml		

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AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
MDA	3.209	31874	406.70	26.1	63.62	169346	4.8826 ng/ml
MDMA	3.303	21455	1149.88	82.3	320.68	49628	5.0387 ng/ml
Meprobamate	4.911	19482	137632.43	23.9	312.85	207741	4.8155 ng/ml
Methadone	5.673	8124	194.76	55.0	42.83	66997	5.5384 ng/ml
Methamphetamine	3.231	30540	174.89	38.1	218.95	223350	4.4514 ng/ml
Metoprolol	4.340	6598	264.94	88.2	294.02	728431	4.8518 ng/ml
Mirtazapine	4.604	18296	538.55	48.3	577.56	260422	4.8761 ng/ml
Mitragynine	5.216	1105	2386.21	32.0	346.13	66997	4.3449 ng/ml
Morphine	1.247	2644	2746.50	21.6	1782.51	9363	4.9364 ng/ml
Nordiazepam	5.906	21537	605.39	59.1	395.87	144829	4.9429 ng/ml
Norfentanyl	4.093	5996	1387.84	37.8	119.32	543567	0.5152 ng/ml
Norhydrocodone	3.080	1473	68.80	43.0	34.49	35905	5.2742 ng/ml
Noroxycodone	2.923	15318	110.69	49.6	134.72	87324	4.9340 ng/ml
O-desmethyl-tramadol	3.383	89006	7433.96	5.5	146.68	1029550	5.0730 ng/ml
Oxazepam	5.763	42624	289.59	77.8	119.39	359002	4.8482 ng/ml
Oxycodone	2.841	31479	609.35	29.7	144.39	247867	4.9165 ng/ml
Oxymorphone	1.405	12964	80.53	46.4	143.57	75196	4.9246 ng/ml
Phentermine	3.790	9248	118.27	4.1	2.60 Low	226500	4.2653 ng/ml
Promethazine	5.552	2967	249.95	30.9	20.07	27389	4.9460 ng/ml
Pseudoephedrine	2.596	73262	821.34	16.5	339.05	753953	5.0569 ng/ml
Quetiapine	5.528	11398	805.59	57.9	11241.22	30359	4.9398 ng/ml
Temazepam	5.830	67374	1430.97	28.6	35.79	728156	4.9395 ng/ml
Tramadol	4.259	76646	253.39	3.4	55.34	728431	4.9534 ng/ml
Trazodone	5.054	7385	44.01	81.5	13064.89	59762	4.8429 ng/ml
Venlafaxine	5.050	42661	29640.47	34.3	92.77	510835	5.0364 ng/ml
Zolpidem	4.833	80981	984.61	30.8	658.01	714377	4.9639 ng/ml

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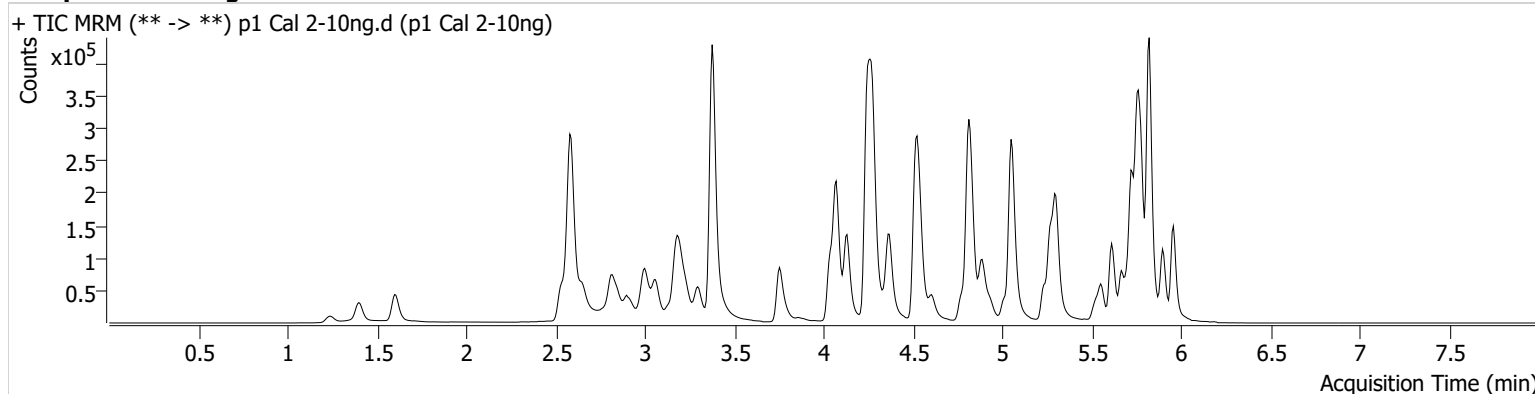


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Calibration Last Update 1/13/2022 8:00:24 AM

Instrument	Falco (069901)	Data File	p1 Cal 2-10ng.d
Type	Cal	Sample	p1 Cal 2-10ng
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P2-B1	Comment	
Injection Volume	2		
Acq. Date-Time	1/5/2022 8:56:20 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.145	1731	121.94	58.7	2680.11	36874	1.1063 ng/ml
7-aminoclonazepam	4.258	25677	629.99	78.4	95.98	99014	10.0029 ng/ml
a-hydroxyalprazolam	5.705	18838	416.10	76.7	252.73	229521	9.9820 ng/ml
alpha-PHP	4.937	12636	361.14	267.1	1211.13	254139	10.3649 ng/ml
alpha-PVP	4.376	54877	2854.46	49.0	174.93	254139	9.9443 ng/ml
Alprazolam	5.782	63668	318.53	112.8	949.43	229521	9.6500 ng/ml
Amphetamine	3.063	74090	288.68	50.1	510.82	87959	10.0918 ng/ml
Benzoylecgonine	3.886	2662	118.61	8.3	80.97	7379	10.6398 ng/ml
Buprenorphine	5.677	349	17.25	15.8	138.31	13292	0.7771 ng/ml
Bupropion	4.788	23672	348.60	66.2	108.28	88113	9.9318 ng/ml
Carisoprodol	5.730	67156	459.91	52.7	158.99	306726	10.3563 ng/ml
Citalopram	5.232	21945	3849.11	36.7	889.62	100668	10.1284 ng/ml
Clonazepam	5.618	90430	2311.58	34.5	7229.37	106464	10.7213 ng/ml
Clonazepam	5.555	49597	2973.69	31.5	51818.79	106464	9.9542 ng/ml
Cocaine	4.271	61340	275.68	55.7	826.39	517964	10.0037 ng/ml
Codeine	2.587	9733	3808.09	102.3	937.71	46738	10.3470 ng/ml
Cyclobenzaprine	5.635	4159	7500.18	9.5	20.91	19601	10.1205 ng/ml
Dextromethorphan	5.282	9454	74.92	80.0	1212.82	41574	10.2091 ng/ml
Dextrophan	4.132	17957	1939.70	229.2	371.85	243708	9.5948 ng/ml
Diazepam	5.960	43721	1764.22	92.7	758.59	219049	9.9795 ng/ml
Dihydrocodeine	2.565	23766	2162.42	58.0	2347.41	142006	10.6508 ng/ml
Diphenhydramine	5.303	53767	171.36	29.6	125.99	320892	10.0452 ng/ml
Doxylamine	4.536	150605	3805.06	101.4	1463.10	656400	10.0307 ng/ml
EDDP	5.268	39136	111.75	41.5	144.70	230348	10.0300 ng/ml
Etizolam	5.826	29436	50607.54	26.4	23112.28	106464	10.0043 ng/ml
Fentanyl	5.095	529	9.48 Low	79.3	486.34	34717	1.2616 ng/ml
Flualprazolam	5.712	23140	761.41	96.5	2405.85	229521	10.1447 ng/ml
Fluoxetine	5.727	2869	94.24	8.5	290.53	10881	9.6943 ng/ml
Hydrocodone	3.025	30873	105.93	32.5	39.54	186984	10.0807 ng/ml
Hydromorphone	1.608	29260	633.75	72.1	813.58	97409	10.2974 ng/ml
Ketamine	4.051	51061	232.33	39.6	260.36	226447	10.0051 ng/ml
Lamotrigine	4.287	5806	210.47	86.8	2501.11	226447	10.0103 ng/ml
Levetiracetam	2.649	34424	226.65	138.1	1148.33	717837	9.3759 ng/ml

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AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.753	76372	1345.55	50.9	102.13	106464	10.5679 ng/ml
MDA	3.209	68162	317.67	26.1	80.43	182349	10.2086 ng/ml
MDMA	3.303	46408	1446.37	81.9	684.78	54375	9.9390 ng/ml
Meprobamate	4.911	35115	4520.78	25.6	654.23	192570	10.2549 ng/ml
Methadone	5.673	22533	421.57	55.0	388.34	99237	10.0452 ng/ml
Methamphetamine	3.231	54537	117.21	39.6	166.85	236344	9.5697 ng/ml
Metoprolol	4.340	13740	3382.80	96.0	613.75	732618	10.2638 ng/ml
Mirtazapine	4.604	48216	684.77	47.5	558.82	254139	10.9349 ng/ml
Mitragynine	5.216	3632	418.53	34.4	2697.54	99237	10.2384 ng/ml
Morphine	1.247	4917	176.54	21.0	161.88	8425	10.3147 ng/ml
Nordiazepam	5.906	42963	62809.20	59.7	2108.43	145288	10.0390 ng/ml
Norfentanyl	4.093	10397	199.45	38.0	20.78	485184	0.9740 ng/ml
Norhydrocodone	3.080	2788	34.44	39.9	26.33	34356	9.3868 ng/ml
Noroxycodone	2.923	28299	206.85	49.8	1306.24	81739	10.2595 ng/ml
O-desmethyl-tramadol	3.383	165889	64408.92	5.5	616.79	983793	9.8670 ng/ml
Oxazepam	5.763	87400	186.54	72.9	1046.07	354178	10.4034 ng/ml
Oxycodone	2.841	60836	198.84	29.5	391.06	235323	10.2161 ng/ml
Oxymorphone	1.405	24079	118.06	47.4	38.86	69703	10.2254 ng/ml
Phentermine	3.790	19828	65.69	4.5	25.10	241754	9.7225 ng/ml
Promethazine	5.552	9077	716.71	27.6	127.50	39822	10.3551 ng/ml
Pseudoephedrine	2.596	142994	5148.54	15.8	2649.12	717837	9.9865 ng/ml
Quetiapine	5.528	29990	182.32	55.8	37779.55	39432	10.0650 ng/ml
Sertraline	5.796	1007	27.86	105.6	1685.72	4922	12.5615 ng/ml
Temazepam	5.830	132975	13769.41	28.0	272.63	707366	10.1520 ng/ml
Tramadol	4.259	149758	10871.20	3.1	75.80	732618	10.1521 ng/ml
Trazodone	5.054	20348	26499.06	75.1	355.58	83245	10.2650 ng/ml
Venlafaxine	5.050	91631	303.61	34.6	283.44	544358	9.9224 ng/ml
Zolpidem	4.833	159049	2525.01	30.9	378.50	699699	10.1033 ng/ml

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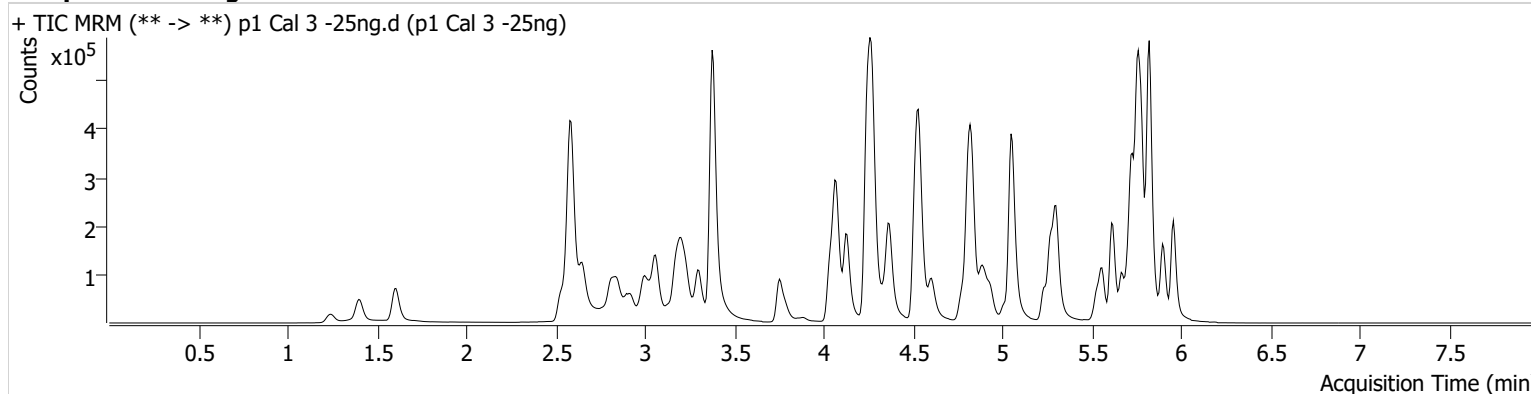


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Calibration Last Update 1/13/2022 8:00:24 AM

Instrument	Falco (069901)	Data File	p1 Cal 3 -25ng.d
Type	Cal	Sample	p1 Cal 3 -25ng
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P2-C1	Comment	
Injection Volume	2		
Acq. Date-Time	1/5/2022 9:06:57 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.145	4052	591.44	73.1	17.17	39098	2.4698 ng/ml
7-aminoclonazepam	4.258	70230	206.27	79.6	1160.36	106943	26.4239 ng/ml
a-hydroxyalprazolam	5.705	49681	457.41	71.5	916.02	235206	26.5948 ng/ml
alpha-PHP	4.937	32963	1631.04	266.1	1333.91	279669	24.4976 ng/ml
alpha-PVP	4.370	152948	5795.29	49.9	2664.99	279669	25.0219 ng/ml
Alprazolam	5.782	163769	1871.36	114.2	743.65	235206	23.0885 ng/ml
Amphetamine	3.063	200771	623.63	50.4	130.93	97048	25.5972 ng/ml
Benzoylecgonine	3.886	7014	670.25	7.5	128.17	8222	24.2284 ng/ml
Buprenorphine	5.677	762	84.55	10.6 Low	180.95	11749	2.2876 ng/ml
Bupropion	4.788	70157	5215.25	65.3	1838.42	102153	25.6222 ng/ml
Carisoprodol	5.730	173231	24308.22	52.5	804.14	321403	24.2938 ng/ml
Citalopram	5.232	49220	495.65	36.9	248.49	94438	24.2359 ng/ml
Clonazepam	5.618	225023	2972.52	35.3	587.85	111382	26.0205 ng/ml
Clonazepam	5.555	125189	4576.30	31.9	127169.83	111382	25.5622 ng/ml
Cocaine	4.271	163252	406084.99	54.3	254.14	549780	25.3799 ng/ml
Codeine	2.587	25976	1253.42	109.3	62.82	48553	27.1742 ng/ml
Cyclobenzaprine	5.635	9553	15239.56	8.2	39.57	17689	24.6250 ng/ml
Dextromethorphan	5.282	20929	499.48	81.4	125.12	39349	25.2348 ng/ml
Dextrophan	4.132	47838	755.40	218.1	605.26	255934	24.2853 ng/ml
Diazepam	5.960	110331	∞	93.0	2534.38	220318	25.2469 ng/ml
Dihydrocodeine	2.565	63385	371.52	57.1	150.77	157210	26.7812 ng/ml
Diphenhydramine	5.303	126240	67523.79	30.4	86.41	312258	24.4257 ng/ml
Doxylamine	4.536	397300	983.41	100.2	4865.94	714233	24.0898 ng/ml
EDDP	5.275	87837	3678.10	43.4	191.38	213963	24.2766 ng/ml
Etizolam	5.826	75934	110917.99	26.6	30747.51	111382	24.6346 ng/ml
Fentanyl	5.089	1236	71.18	58.0	64.88	33489	2.6330 ng/ml
Flualprazolam	5.712	60064	3482.46	96.2	7531.10	235206	25.7191 ng/ml
Fluoxetine	5.727	7349	12931.67	6.8	92.90	10455	25.5126 ng/ml
Hydrocodone	3.025	83861	415.49	31.7	328.64	201802	25.9125 ng/ml
Hydromorphone	1.608	78738	375.76	68.4	664.83	106630	24.8934 ng/ml
Ketamine	4.051	139655	13689.72	38.5	362.05	249118	25.7287 ng/ml
Lamotrigine	4.280	15179	615.03	88.4	2238.57	249118	23.8521 ng/ml
Levetiracetam	2.649	94780	303.73	138.9	3233.63	803938	23.9591 ng/ml

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AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.753	178548	1888.72	50.6	493.18	111382	26.0274 ng/ml
MDA	3.209	180217	1444.76	25.8	508.81	195368	25.9542 ng/ml
MDMA	3.303	121396	2693.87	84.1	578.01	57631	24.5169 ng/ml
Meprobamate	4.911	90120	28394.53	24.8	2245.81	198756	26.9031 ng/ml
Methadone	5.673	51705	6354.99	55.1	265.97	91377	24.4757 ng/ml
Methamphetamine	3.231	126791	585.71	39.7	1241.70	245189	25.1600 ng/ml
Metoprolol	4.333	38019	813.36	91.4	916.33	797977	26.3891 ng/ml
Mirtazapine	4.604	117421	6623.98	48.2	1208.11	279669	22.6064 ng/ml
Mitragynine	5.216	7431	795.10	38.2	152.67	91377	23.3495 ng/ml
Morphine	1.247	13490	270.22	20.8	26672.08	9412	25.4793 ng/ml
Norbuprenorphine	5.006	155	59.70	78.4	242.67	2034	2.5605 ng/ml
Nordiazepam	5.906	107967	1058.92	58.7	2326.85	143357	25.8968 ng/ml
Norfentanyl	4.093	32327	16503.49	34.9	29.09	609745	2.3677 ng/ml
Norhydrocodone	3.080	7886	75.18	38.3	92.90	36712	23.0823 ng/ml
Noroxycodone	2.923	74174	363.80	51.0	2445.78	91378	24.7751 ng/ml
O-desmethyl-tramadol	3.383	444614	19395.07	5.5	160.93	1070838	24.2529 ng/ml
Oxazepam	5.763	206974	2945.88	73.4	257.54	346176	25.6367 ng/ml
Oxycodone	2.841	160891	2456.97	29.3	547.18	252004	25.5246 ng/ml
Oxymorphone	1.405	64308	1050.64	43.4	439.80	76626	25.3518 ng/ml
Phentermine	3.790	51122	67.74	4.7	36.42	253727	25.5520 ng/ml
Promethazine	5.552	20231	2676.28	30.9	135.96	36964	24.7952 ng/ml
Pseudoephedrine	2.589	400493	316.35	16.0	25529.47	803938	24.4306 ng/ml
Quetiapine	5.528	73944	1033.28	55.0	140867.16	37460	26.2140 ng/ml
Sertraline	5.796	2586	18.70	96.2	199.90	4890	25.5041 ng/ml
Temazepam	5.823	325523	6446.72	27.9	168.33	701865	25.2128 ng/ml
Tramadol	4.252	391353	1138.09	3.3	113.23	797977	25.1419 ng/ml
Trazodone	5.054	46622	989.60	77.6	810.79	78504	25.9405 ng/ml
Venlafaxine	5.050	247101	364.97	34.6	246.04	572671	25.0821 ng/ml
Zolpidem	4.833	413671	6985.08	30.8	3908.30	738419	25.1176 ng/ml

201

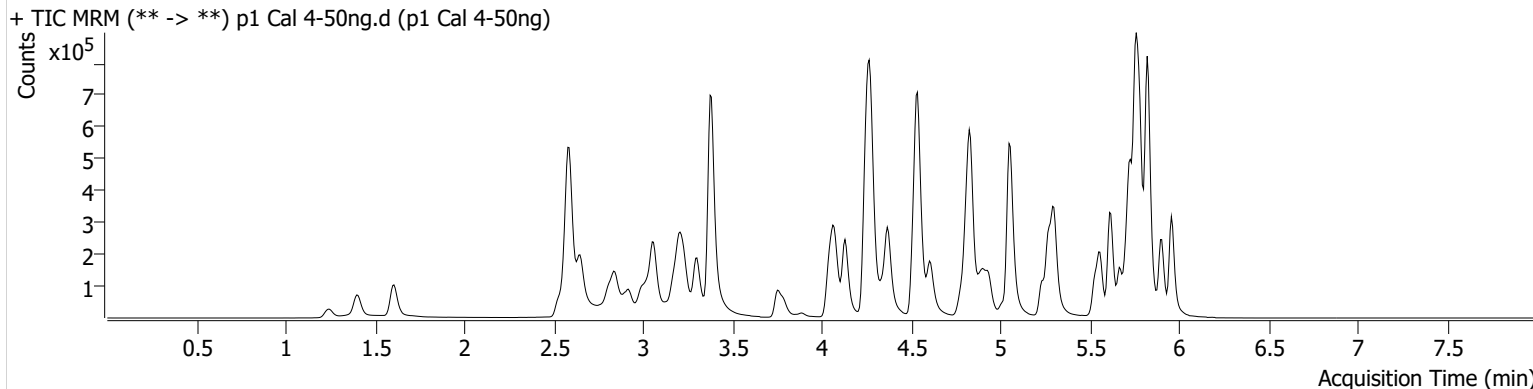


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Calibration Last Update 1/13/2022 8:00:24 AM

Instrument	Falco (069901)	Data File	p1 Cal 4-50ng.d
Type	Cal	Sample	p1 Cal 4-50ng
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P2-D1	Comment	
Injection Volume	2		
Acq. Date-Time	1/5/2022 9:17:33 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.145	8005	2718.65	69.3	188.88	38590	4.9665 ng/ml
7-aminoclonazepam	4.258	134356	608.62	78.3	103.92	100374	54.6007 ng/ml
a-hydroxyalprazolam	5.705	93182	∞	71.8	∞	219397	54.0568 ng/ml
alpha-PHP	4.937	64336	1331.77	267.2	3737.58	258362	51.6975 ng/ml
alpha-PVP	4.376	280711	491.09	50.6	1014.04	258362	49.6052 ng/ml
Alprazolam	5.782	325442	∞	111.7	704.74	219397	48.3395 ng/ml
Amphetamine	3.063	415478	883.41	46.6	487.54	90484	57.4935 ng/ml
Benzoylcegonine	3.886	12396	571.83	9.0	22.71	7558	45.9517 ng/ml
Buprenorphine	5.677	1763	467.42	15.8	28.69	13430	4.8826 ng/ml
Bupropion	4.788	118906	17440.53	64.1	376.21	84783	52.4790 ng/ml
Carisoprodol	5.730	326539	661815.52	52.2	494.23	296709	48.7491 ng/ml
Citalopram	5.232	110147	905.79	36.9	357.41	104443	49.0561 ng/ml
Clonazepam	5.618	431035	3118.87	35.2	5546.16	108916	51.3327 ng/ml
Clonazepam	5.555	238035	100016.45	32.6	184386.03	108916	50.7379 ng/ml
Cocaine	4.277	310466	451.17	54.7	328.62	533996	49.8817 ng/ml
Codeine	2.587	49128	1196.46	105.3	3087.79	46422	54.1199 ng/ml
Cyclobenzaprine	5.635	21105	26789.10	9.8	11.93	19053	49.7381 ng/ml
Dextromethorphan	5.282	44221	2690.19	80.1	100.96	42480	50.3600 ng/ml
Dextrophan	4.132	97227	4895.03	218.2	3408.11	256268	49.2570 ng/ml
Diazepam	5.960	223301	5350.65	91.9	7069.79	221410	50.9856 ng/ml
Dihydrocodeine	2.559	118019	398.69	62.2	393.89	151748	52.4005 ng/ml
Diphenhydramine	5.303	266662	4072.51	29.4	611.67	322511	50.0944 ng/ml
Doxylamine	4.536	792508	58615.73	100.0	50005.04	698069	48.9984 ng/ml
EDDP	5.275	191648	652.13	42.4	493.40	236898	47.8687 ng/ml
Etizolam	5.826	148278	6280.43	26.1	70306.13	108916	49.1706 ng/ml
Fentanyl	5.089	2486	151.37	81.5	194.47	36160	4.6485 ng/ml
Flualprazolam	5.712	112707	2820.52	98.0	13803.32	219397	51.7529 ng/ml
Fluoxetine	5.727	12748	1004.22	8.9	66.12	9776	47.1599 ng/ml
Hydrocodone	3.025	156749	1104.23	31.8	97.07	191556	51.3708 ng/ml
Hydromorphone	1.608	143430	1853.83	72.1	5695.90	99575	48.2849 ng/ml
Ketamine	4.051	258738	6085.34	39.5	1223.21	230373	52.1228 ng/ml
Lamotrigine	4.287	30677	2382.56	85.7	147.84	230373	52.1856 ng/ml
Levetiracetam	2.649	170961	1107.95	139.9	6885.51	742288	47.4001 ng/ml

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AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.753	354394	6442.22	50.5	512.68	108916	54.8420 ng/ml
MDA	3.209	342501	1314.52	25.3	626.29	185928	52.3477 ng/ml
MDMA	3.303	238978	1604.45	83.6	2199.89	56185	49.4969 ng/ml
Meprobamate	4.911	175061	2087.90	23.7	4711.07	193479	54.6247 ng/ml
Methadone	5.673	108479	7985.82	57.4	503.53	97870	47.5863 ng/ml
Methamphetamine	3.231	242484	486.24	40.3	280.61	230902	54.1800 ng/ml
Metoprolol	4.340	72400	104849.05	91.1	2088.93	765494	52.5864 ng/ml
Mirtazapine	4.610	243532	2955.75	48.4	13470.73	258362	49.1174 ng/ml
Mitragynine	5.216	17295	38405.67	34.6	14103.80	97870	51.3157 ng/ml
Morphine	1.247	24933	93.99	20.5	2741.04	9698	45.7873 ng/ml
Norbuprenorphine	5.006	269	1099.58	80.6	118.35	2163	4.9396 ng/ml
Nordiazepam	5.906	215495	1800.92	59.2	1045.69	147393	50.4731 ng/ml
Norfentanyl	4.099	53212	16457.07	36.3	305.13	497579	4.7469 ng/ml
Norhydrocodone	3.080	14388	90.52	37.8	43.31	32857	45.9406 ng/ml
Noroxycodone	2.916	139882	500.92	48.3	234.37	84660	50.9846 ng/ml
O-desmethyl-tramadol	3.383	866604	14128.23	5.5	1571.40	1027038	49.2576 ng/ml
Oxazepam	5.763	412242	4548.84	74.4	379.03	342616	51.8992 ng/ml
Oxycodone	2.841	307363	1470.65	29.6	2538.85	244001	50.5564 ng/ml
Oxymorphone	1.405	123348	579.57	46.3	906.10	74428	50.4104 ng/ml
Phentermine	3.790	100604	178.76	4.6	79.70	241010	54.1652 ng/ml
Promethazine	5.552	43700	23342.22	31.4	337.08	41759	47.3653 ng/ml
Pseudoephedrine	2.589	726459	14931.94	16.4	293.19	742288	47.6459 ng/ml
Quetiapine	5.528	157317	32508.64	57.6	384.06	41573	50.3039 ng/ml
Sertraline	5.796	4271	135.77	101.6	54.96	4048	46.5140 ng/ml
Temazepam	5.830	640211	730.80	28.3	∞	702628	49.6417 ng/ml
Tramadol	4.259	741058	44381.81	3.2	95.01	765494	50.1750 ng/ml
Trazodone	5.054	105310	350471.49	78.3	1174.52	86684	53.7970 ng/ml
Venlafaxine	5.050	481344	3078.59	34.4	259.70	569076	48.9513 ng/ml
Zolpidem	4.833	816390	5184.20	30.7	21473.70	733390	50.0570 ng/ml

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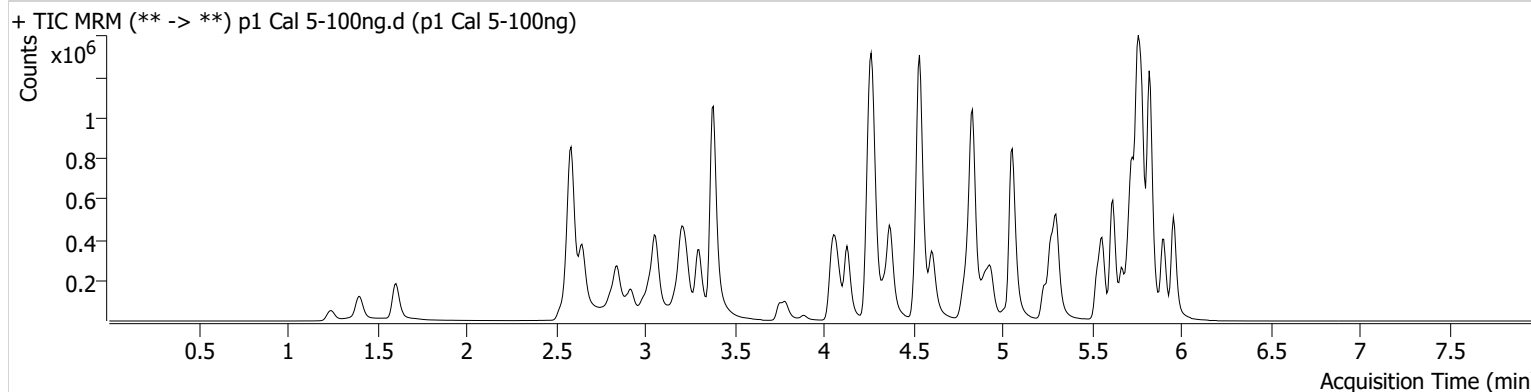


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Calibration Last Update 1/13/2022 8:00:24 AM

Instrument	Falco (069901)	Data File	p1 Cal 5-100ng.d
Type	Cal	Sample	p1 Cal 5-100ng
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P2-E1	Comment	
Injection Volume	2		
Acq. Date-Time	1/5/2022 9:28:10 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.145	16039	972.86	71.7	948.97	40370	9.5327 ng/ml
7-aminoclonazepam	4.258	280989	7684.38	77.2	190.79	110751	104.1307 ng/ml
a-hydroxyalprazolam	5.705	169325	991.03	71.4	713.04	218361	99.1706 ng/ml
alpha-PHP	4.937	127315	248.39	261.9	29423.03	265008	99.6903 ng/ml
alpha-PVP	4.376	562737	1752.36	50.7	1836.36	265008	96.8470 ng/ml
Alprazolam	5.782	662755	8045.66	107.8	2099.90	218361	98.1242 ng/ml
Amphetamine	3.063	761084	706.66	46.9	1131.02	90493	105.7712 ng/ml
Benzoylcegonine	3.886	26956	4605.67	7.6	94.70	7865	95.2817 ng/ml
Buprenorphine	5.677	3719	87.26	14.4	1052.43	13633	10.4203 ng/ml
Bupropion	4.788	241401	12341.86	63.6	3536.43	90915	99.4905 ng/ml
Carisoprodol	5.730	607732	1031387.14	52.9	3531.18	288158	92.6681 ng/ml
Citalopram	5.239	207759	3648.52	35.9	137034.00	101048	95.6528 ng/ml
Clonazepam	5.618	858282	100404.86	34.8	97409.28	107974	103.4867 ng/ml
Clonazepam	5.555	480272	88603.59	32.8	225446.70	107974	104.3977 ng/ml
Cocaine	4.277	624176	42728.76	55.9	31323.96	541485	99.0907 ng/ml
Codeine	2.580	102252	6371.14	102.4	343.96	48192	108.8845 ng/ml
Cyclobenzaprine	5.635	54463	403.36	7.9	333.70	25842	93.9698 ng/ml
Dextromethorphan	5.282	90407	2600.47	80.3	643.40	43643	101.2160 ng/ml
Dextrophan	4.132	188511	1587.29	217.5	20825.31	248092	98.6145 ng/ml
Diazepam	5.960	436685	2658.80	91.7	9281.26	218368	101.2315 ng/ml
Dihydrocodeine	2.559	249353	37268.93	61.0	464.31	158197	107.0175 ng/ml
Diphenhydramine	5.303	519613	26856.00	30.5	181.58	324879	97.0266 ng/ml
Doxylamine	4.536	1619242	17987.67	99.8	777.08	708791	98.4358 ng/ml
EDDP	5.275	360517	1301.56	42.0	4763.55	219134	97.3778 ng/ml
Etizolam	5.820	289069	4326.20	27.0	137616.35	107974	96.6732 ng/ml
Fentanyl	5.089	6018	173.47	73.7	16118.84	42323	9.2963 ng/ml
Flualprazolam	5.712	217355	6087.55	101.5	51090.14	218361	100.2927 ng/ml
Fluoxetine	5.727	42577	8623.07	8.4	32.19	15941	96.3939 ng/ml
Hydrocodone	3.025	318108	∞	33.1	136.38	196310	102.0768 ng/ml
Hydromorphone	1.608	298702	4881.78	73.4	1683595.54	101300	98.5422 ng/ml
Ketamine	4.051	546319	1195.83	39.0	633.44	250690	101.6772 ng/ml
Lamotrigine	4.287	64620	4204.34	83.9	866.85	250690	101.0614 ng/ml
Levetiracetam	2.649	352346	858.95	139.4	3877.48	749955	97.3398 ng/ml

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AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.753	595093	9876.96	51.3	1504.60	107974	94.2488 ng/ml
MDA	3.203	673834	7460.09	25.8	1200.28	188822	101.8962 ng/ml
MDMA	3.303	476900	7080.67	81.3	150.45	55770	99.5001 ng/ml
Meprobamate	4.911	332571	56945.75	24.6	6013.85	194301	104.1758 ng/ml
Methadone	5.673	223826	6361.63	55.6	1131.36	99715	95.9864 ng/ml
Methamphetamine	3.231	455209	778.80	39.4	4793.73	235746	102.1307 ng/ml
Metoprolol	4.340	140488	1454.76	95.3	4413.00	782363	100.0242 ng/ml
Mirtazapine	4.610	482144	3829.27	48.4	141336.79	265008	93.5825 ng/ml
Mitragynine	5.223	36277	51218.59	34.0	865.57	99715	106.1630 ng/ml
Morphine	1.247	51553	759.38	19.8	219.27	9089	101.1461 ng/ml
Norbuprenorphine	5.013	443	926.27	96.2	1496.80	2170	8.8686 ng/ml
Nordiazepam	5.906	421190	26517.98	58.9	10686.31	141235	103.1731 ng/ml
Norfentanyl	4.099	116791	143.23	35.7	2022.68	547028	9.4483 ng/ml
Norhydrocodone	3.080	28763	131.83	39.5	83.66	32231	92.5136 ng/ml
Noroxycodone	2.923	275278	157.61	50.4	293.36	85112	100.3140 ng/ml
O-desmethyl-tramadol	3.383	1774418	54030.70	5.7	7983.48	1061598	97.5456 ng/ml
Oxazepam	5.763	737891	8560.66	73.7	4482.03	310839	102.6883 ng/ml
Oxycodone	2.841	647874	1005.81	29.6	2050.00	256401	101.6133 ng/ml
Oxymorphone	1.398	234966	1681.24	46.5	188.02	71405	100.4435 ng/ml
Phentermine	3.790	187191	1331.12	4.7	133.18	239887	102.2507 ng/ml
Promethazine	5.552	116308	396.77	30.6	831.69	52992	99.2880 ng/ml
Pseudoephedrine	2.589	1481812	41408.85	16.3	42406.42	749955	95.8243 ng/ml
Quetiapine	5.528	314234	170275.80	55.8	10019.34	42921	97.3778 ng/ml
Sertraline	5.796	19072	837.25	96.7	6635.90	8677	92.1496 ng/ml
Temazepam	5.830	1205933	35171.66	27.9	825.26	659242	99.7752 ng/ml
Tramadol	4.259	1492190	∞	3.2	105.32	782363	99.3981 ng/ml
Trazodone	5.054	222621	271792.83	76.6	1109.57	92654	107.0820 ng/ml
Venlafaxine	5.057	936319	812.62	34.9	711.02	566054	95.5138 ng/ml
Zolpidem	4.833	1724836	12465.89	30.0	35958.69	765690	101.4494 ng/ml

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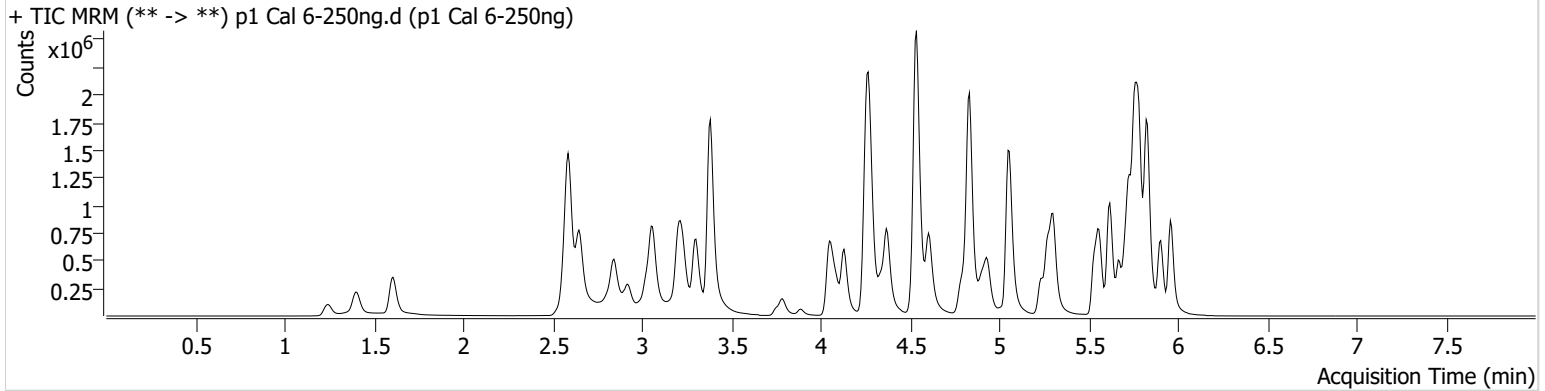


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Calibration Last Update 1/13/2022 8:00:24 AM

Instrument	Falco (069901)	Data File	p1 Cal 6-250ng.d
Type	Cal	Sample	p1 Cal 6-250ng
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P2-F1	Comment	
Injection Volume	2		
Acq. Date-Time	1/5/2022 9:38:45 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.145	34571	86900.89	69.5	1969.16	33686	24.6609 ng/ml
7-aminoclonazepam	4.258	564117	621.53	78.9	14579.54	95078	244.4701 ng/ml
a-hydroxyalprazolam	5.699	280187	3923.70	71.0	1475.52	162958	220.5921 ng/ml
alpha-PHP	4.937	253745	10292.12	262.8	43817.24	200487	262.5427 ng/ml
alpha-PVP	4.376	1085051	84844.46	50.3	472.89	200487	246.6672 ng/ml
Alprazolam	5.782	1304821	∞	107.9	∞	162958	257.6351 ng/ml
Amphetamine	3.063	1539572	446.43	47.2	274.23	75504	257.2302 ng/ml
Benzoylecgonine	3.886	67664	16822.96	7.7	340.69	8106	231.1071 ng/ml
Buprenorphine	5.677	7574	194.16	17.3	1864.70	11283	26.0036 ng/ml
Bupropion	4.788	429890	15528.34	65.1	5493.74	64740	249.0336 ng/ml
Carisoprodol	5.730	1100607	47221.35	53.2	3012.40	201039	239.2370 ng/ml
Citalopram	5.232	475860	53513.41	35.8	196577.71	88351	250.5958 ng/ml
Clonazepam	5.618	1602272	50661.58	35.5	680.63	83259	251.0759 ng/ml
Clonazepam	5.555	932106	317602.72	34.3	381542.83	83259	264.4174 ng/ml
Cocaine	4.271	1252851	1471.90	55.4	850.78	429960	250.7863 ng/ml
Codeine	2.587	185417	223.31	105.0	18995.18	38398	248.2817 ng/ml
Cyclobenzaprine	5.635	108450	341019.18	7.9	199.20	19159	251.1477 ng/ml
Dextromethorphan	5.282	195370	505.07	81.6	3823.28	38987	246.2927 ng/ml
Dextrophan	4.132	383030	1436.32	216.7	26931.00	197141	252.1043 ng/ml
Diazepam	5.960	854601	53351.80	93.1	18529.54	172660	250.7615 ng/ml
Dihydrocodeine	2.559	512224	17837.30	61.9	313.53	134617	259.4697 ng/ml
Diphenhydramine	5.303	1166403	57164.25	30.7	6278.76	284863	248.6041 ng/ml
Doxylamine	4.536	3411776	8731.26	100.1	3411.22	580095	253.1674 ng/ml
EDDP	5.275	754691	9780.85	41.7	5951.72	174487	256.0542 ng/ml
Etizolam	5.820	572397	10141.17	26.2	2794.78	83259	248.2142 ng/ml
Fentanyl	5.089	12781	513.63	73.0	47301.91	34250	23.9124 ng/ml
Flualprazolam	5.712	412212	646.70	106.0	176935.95	162958	254.8935 ng/ml
Fluoxetine	5.727	67157	4153.29	8.5	1506.92	9839	246.0362 ng/ml
Hydrocodone	3.025	659751	∞	32.4	143.69	163663	254.4670 ng/ml
Hydromorphone	1.608	639637	1599548.35	75.1	2854445.79	84867	251.4294 ng/ml
Ketamine	4.051	1099452	24557.96	38.7	572.40	205348	250.6409 ng/ml
Lamotrigine	4.287	129141	7034.93	88.3	240084.29	205348	246.6317 ng/ml
Levetiracetam	2.649	790016	37118.67	140.1	32079.83	595493	275.9992 ng/ml

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AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.753	896083	9715.64	50.9	1589.09	83259	185.9068 ng/ml
MDA	3.203	1384319	3994.37	25.1	830.82	154095	257.2989 ng/ml
MDMA	3.303	992239	9763.99	83.9	1218.71	45372	254.4481 ng/ml
Meprobamate	4.911	646093	124802.67	24.1	403.71	164871	239.7286 ng/ml
Methadone	5.673	504939	∞	56.1	508.88	87571	245.9820 ng/ml
Methamphetamine	3.231	859665	847.48	39.6	621.93	176530	262.1287 ng/ml
Metoprolol	4.340	284516	393351.34	94.2	9016.24	605517	262.0606 ng/ml
Mirtazapine	4.604	1099889	45520.48	47.8	6259.71	200487	279.5418 ng/ml
Mitragynine	5.216	80463	130257.45	35.1	40201.42	87571	268.8791 ng/ml
Morphine	1.247	120125	297.19	18.5	∞	8113	264.2107 ng/ml
Norbuprenorphine	5.006	1066	1747.36	91.6	3215.07	1857	27.1195 ng/ml
Nordiazepam	5.906	806747	16476.77	58.4	1235.84	110282	253.3927 ng/ml
Norfentanyl	4.093	292214	78873.21	35.4	2787.35	515352	25.0457 ng/ml
Norhydrocodone	3.073	59170	623.37	38.3	241.10	22893	265.9248 ng/ml
Noroxycodone	2.923	549394	3054.63	49.5	4956.13	67393	253.6561 ng/ml
O-desmethyl-tramadol	3.383	3791669	168266.26	5.6	2166.83	868900	254.6198 ng/ml
Oxazepam	5.763	1224258	18279.61	74.3	6717.94	203954	260.1226 ng/ml
Oxycodone	2.841	1359735	5586.05	29.7	11944.49	217328	251.9003 ng/ml
Oxymorphone	1.398	508778	∞	46.2	∞	61739	252.0803 ng/ml
Phentermine	3.790	375086	8588.84	4.5	71.97	190354	259.9468 ng/ml
Promethazine	5.552	236821	1464.90	30.9	294.11	42891	249.7051 ng/ml
Pseudoephedrine	2.589	3070829	49835.69	16.2	384.79	595493	249.5070 ng/ml
Quetiapine	5.528	713964	1319.01	58.6	483.57	38554	246.3994 ng/ml
Sertraline	5.796	28258	787.11	91.7	880.45	5224	220.3886 ng/ml
Temazepam	5.830	2128527	39210.60	27.2	5945.49	465658	249.4887 ng/ml
Tramadol	4.259	2985091	7290.83	3.2	847.16	605517	257.8068 ng/ml
Trazodone	5.054	498908	255481.56	78.2	135336.84	85876	259.9127 ng/ml
Venlafaxine	5.050	1976286	95394.76	33.8	6118.29	461282	247.0323 ng/ml
Zolpidem	4.833	3723809	16013.91	29.0	162551.11	657472	255.2984 ng/ml

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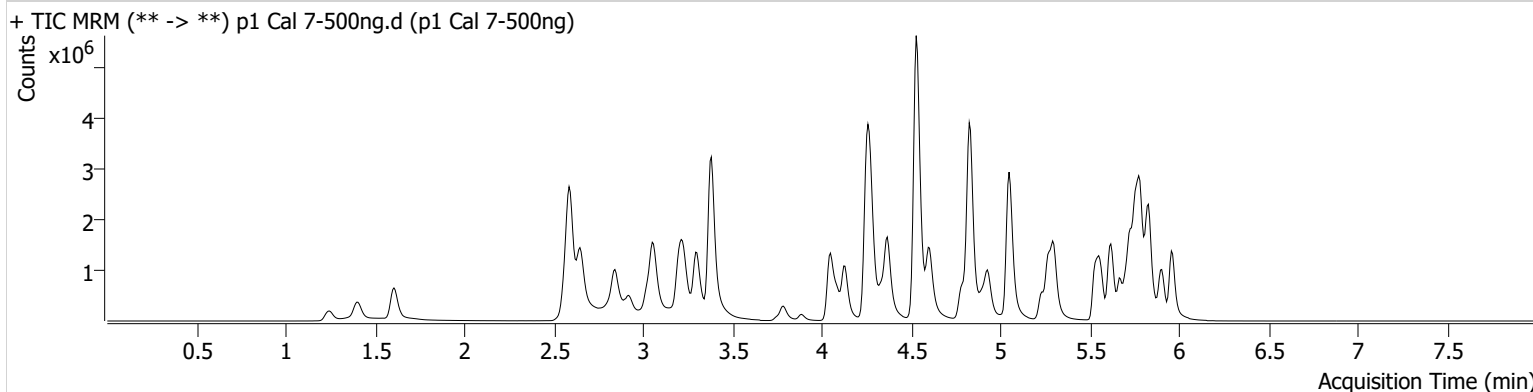


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Calibration Last Update 1/13/2022 8:00:24 AM

Instrument	Falco (069901)	Data File	p1 Cal 7-500ng.d
Type	Cal	Sample	p1 Cal 7-500ng
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P2-G1	Comment	
Injection Volume	2		
Acq. Date-Time	1/5/2022 9:49:21 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.145	76515	1520.92	68.3	116196.24	35984	51.1202 ng/ml
7-aminoclonazepam	4.258	879390	213.36	79.2	17569.34	85119	426.2195 ng/ml
a-hydroxyalprazolam	5.699	382460	1479.86	68.2	619.84	135688	361.9942 ng/ml
alpha-PHP	4.937	516370	948.73	266.8	106044.75	222149	482.1318 ng/ml
alpha-PVP	4.370	2463797	48132.15	50.9	961.50	222149	505.3730 ng/ml
Alprazolam	5.782	2219918	675.81	108.1	∞	135688	525.6269 ng/ml
Amphetamine	3.063	3074643	383.63	47.3	356.31	82970	467.9330 ng/ml
Benzoylecgonine	3.886	145192	2547.19	8.0	121114.97	8449	475.0081 ng/ml
Buprenorphine	5.677	11552	196.03	16.8	8149.14	9489	47.3627 ng/ml
Bupropion	4.788	957437	514.06	64.4	529.56	73371	489.5321 ng/ml
Carisoprodol	5.730	1677866	293223.22	53.5	20757.92	147400	496.5489 ng/ml
Citalopram	5.232	816355	1257.96	36.7	21772.40	74604	509.1400 ng/ml
Clonazepam	5.618	2611154	24916.30	34.7	86224.37	70919	480.7121 ng/ml
Clonazepam	5.555	1532352	290492.56	34.6	518775.58	70919	511.3531 ng/ml
Cocaine	4.271	2462036	77792.71	55.8	1542.51	426252	497.3119 ng/ml
Codeine	2.580	343611	4095.78	100.2	42982.48	38369	460.7852 ng/ml
Cyclobenzaprine	5.635	160286	10565.23	8.1	401.00	13921	510.0877 ng/ml
Dextromethorphan	5.275	315141	223.67	80.6	502.68	30895	502.3817 ng/ml
Dextrophan	4.132	749164	1430.89	220.1	3894.26	193744	501.6958 ng/ml
Diazepam	5.960	1553826	478.41	91.8	84190.45	157842	498.8712 ng/ml
Dihydrocodeine	2.559	1006715	335.25	62.4	10854.13	145031	473.9957 ng/ml
Diphenhydramine	5.303	2047351	100287.64	30.9	1293.51	245835	505.7818 ng/ml
Doxylamine	4.529	7661286	2396.74	96.9	4815.16	634223	519.8099 ng/ml
EDDP	5.268	1594970	3184.17	42.4	24941.48	184903	510.6911 ng/ml
Etizolam	5.820	991226	3255.30	26.6	609713.06	70919	504.6081 ng/ml
Fentanyl	5.089	20404	4984.35	75.6	74821.14	25361	51.2101 ng/ml
Flualprazolam	5.712	676306	13886.78	107.2	562.88	135688	502.2582 ng/ml
Fluoxetine	5.727	73134	4394.95	8.7	600.57	5082	518.5115 ng/ml
Hydrocodone	3.025	1324001	∞	33.4	2618.57	168811	495.4343 ng/ml
Hydromorphone	1.608	1278980	3850651.74	75.0	34622.62	83271	512.0756 ng/ml
Ketamine	4.051	2421585	1592.99	38.1	23762.15	233339	486.3624 ng/ml
Lamotrigine	4.287	222084	14532.75	87.3	2600.43	233339	373.2797 ng/ml
Levetiracetam	2.649	1459928	5424.00	142.5	1139.08	602890	504.2955 ng/ml

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AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.753	991187	41558.25	51.5	2834.84	70919	242.0043 ng/ml
MDA	3.203	2475459	991.21	24.9	5395.37	146422	484.6746 ng/ml
MDMA	3.303	1984963	13624.45	84.6	9450.32	46210	499.7812 ng/ml
Meprobamate	4.911	1025854	647.56	24.1	∞	149294	421.0630 ng/ml
Methadone	5.673	879051	1578.46	55.0	1082.58	74515	502.8705 ng/ml
Methamphetamine	3.231	1923949	761.15	39.3	15892.40	203962	510.5511 ng/ml
Metoprolol	4.333	556593	250656.73	96.4	28104.66	627160	495.1539 ng/ml
Mirtazapine	4.604	2113929	63328.10	47.4	2398.38	222149	483.9115 ng/ml
Mitragynine	5.216	135860	101907.80	34.6	208.28	74515	534.0248 ng/ml
Morphine	1.247	224814	1954.40	19.4	1178.79	8065	497.4810 ng/ml
Norbuprenorphine	5.006	1703	4549.58	97.5	18.40	1565	52.4948 ng/ml
Nordiazepam	5.906	1323246	13054.31	57.9	33981.16	93330	491.3097 ng/ml
Norfentanyl	4.093	632822	307.01	36.0	2684.98	539331	51.7974 ng/ml
Norhydrocodone	3.073	124269	393.42	39.6	142.70	21704	587.7716 ng/ml
Noroxycodone	2.923	977840	1258.81	49.9	608.12	63373	480.5845 ng/ml
O-desmethyl-tramadol	3.383	7833361	251336.50	5.6	21080.48	890707	513.1208 ng/ml
Oxazepam	5.763	1473387	18610.00	73.5	11986.51	132021	483.8901 ng/ml
Oxycodone	2.841	2861636	1208.64	29.7	1116.39	234039	492.4762 ng/ml
Oxymorphone	1.398	965400	1897.58	45.9	∞	59138	499.7081 ng/ml
Phentermine	3.790	779746	27397.50	4.5	111.53	210056	490.7150 ng/ml
Promethazine	5.552	342522	17760.28	31.6	6912.26	30297	511.2289 ng/ml
Pseudoephedrine	2.589	6440806	205715.06	15.9	80812.98	602890	516.5110 ng/ml
Quetiapine	5.528	1452151	∞	59.6	485.76	37776	511.5443 ng/ml
Sertraline	5.796	27004	10900.96	95.9	1051.57	2406	452.4754 ng/ml
Temazepam	5.830	3049865	33874.76	27.4	383.24	333628	499.0634 ng/ml
Tramadol	4.252	6132369	3021.13	3.2	2927.02	627160	511.8958 ng/ml
Trazodone	5.047	937039	58879.42	78.5	2298.82	87343	480.5558 ng/ml
Venlafaxine	5.050	4260380	73720.08	33.1	2442.05	476232	515.5764 ng/ml
Zolpidem	4.826	7750029	695923.21	28.0	28508.85	689181	507.0297 ng/ml

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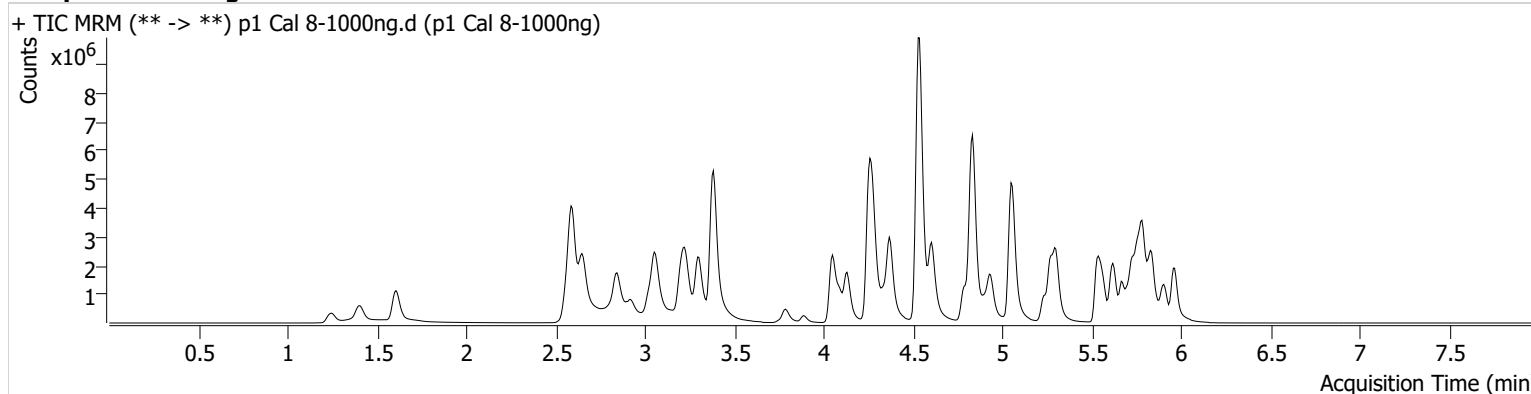


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2022\AM 27-28\010522 AM 27 28 AG\QuantResults\AM 28.batch.bin
Calibration Last Update 1/13/2022 8:00:24 AM

Instrument	Falco (069901)	Data File	p1 Cal 8-1000ng.d
Type	Cal	Sample	p1 Cal 8-1000ng
Acq. Method	AM 28 MDQ P1.m	Operator	Amber Gerheart
Sample Position	P2-H1	Comment	
Injection Volume	2		
Acq. Date-Time	1/5/2022 9:59:57 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.145	148501	35411.31	67.8	1532.89	35779	99.8036 ng/ml
7-aminoclonazepam	4.258	1146780	1718.55	78.5	9498.80	71588	661.2666 ng/ml
a-hydroxyalprazolam	5.692	452014	297.24	70.4	474.87	104767	554.4013 ng/ml
alpha-PHP	4.937	938279	5755.32	264.1	219892.40	203519	956.2111 ng/ml
alpha-PVP	4.370	4653460	18902.71	51.3	69364.42	203519	1041.7795 ng/ml
Alprazolam	5.782	3413162	∞	105.0	∞	104767	1045.9366 ng/ml
Amphetamine	3.056	5117067	151.97	46.9	209.37	78758	820.8451 ng/ml
Benzoylcegonine	3.886	295171	37344.22	7.8	100870.63	7750	1051.9399 ng/ml
Buprenorphine	5.677	16641	1491.81	14.5	5342.63	6531	99.4043 ng/ml
Bupropion	4.788	1782494	80678.27	64.1	21746.65	69085	968.0723 ng/ml
Carisoprodol	5.737	2172990	129607.71	52.4	18876.88	92619	1022.5550 ng/ml
Citalopram	5.232	1444749	1049.05	35.7	619.98	63648	1056.1661 ng/ml
Clonazepam	5.618	3754321	67661.87	34.2	821.52	54022	907.6750 ng/ml
Clonazepam	5.562	2210194	369021.32	34.9	196529.06	54022	969.2087 ng/ml
Cocaine	4.271	4217868	4132.66	54.9	872.24	362987	1000.6661 ng/ml
Codeine	2.580	532505	5392.17	94.7	9806.00	32704	838.0877 ng/ml
Cyclobenzaprine	5.635	301223	2737.06	7.7	13660.95	12776	1043.7216 ng/ml
Dextromethorphan	5.282	503304	695.05	80.8	16452.62	25483	973.6838 ng/ml
Dextrophan	4.132	1289911	28058.59	217.4	202064.45	158127	1058.3526 ng/ml
Diazepam	5.967	2434766	19429.46	92.3	∞	128177	962.7498 ng/ml
Dihydrocodeine	2.559	1691004	21711.08	62.8	24068.33	141952	814.0237 ng/ml
Diphenhydramine	5.303	3586414	95213.87	30.1	951.50	210091	1036.8749 ng/ml
Doxylamine	4.536	14545869	260467.96	97.8	8144.69	620322	1008.8879 ng/ml
EDDP	5.268	3037470	100654.90	42.0	57119.94	172881	1040.2238 ng/ml
Etizolam	5.826	1580435	4422.06	26.7	527952.28	54022	1056.1715 ng/ml
Fentanyl	5.089	37593	4533.19	70.6	192.21	21553	110.6759 ng/ml
Flualprazolam	5.712	947473	10075.08	111.3	4062.19	104767	911.3249 ng/ml
Fluoxetine	5.727	118832	26428.52	8.5	381.54	4025	1063.4657 ng/ml
Hydrocodone	3.025	2349052	260.39	34.6	226.28	162497	913.4550 ng/ml
Hydromorphone	1.608	2397770	9005609.53	75.4	13672507.2	79619	1003.7690 ng/ml
Ketamine	4.051	4783630	142848.67	37.5	3287.33	236991	946.5057 ng/ml
Lamotrigine	4.287	335330	4691.37	87.2	19595.49	236991	554.9611 ng/ml

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AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Levetiracetam	2.649	2473030	47505.55	144.9	120717.74	502137	1026.2940 ng/ml
Lorazepam	5.753	1029106	11223.98	51.2	4487.78	54022	330.5571 ng/ml
MDA	3.203	3772331	85326.56	24.5	4864.23	120222	899.9958 ng/ml
MDMA	3.303	3538136	11611.54	83.9	20312.43	40542	1015.3853 ng/ml
Meprobamate	4.911	1501736	192.12	24.1	37635.21	131311	701.4272 ng/ml
Methadone	5.666	1533587	63767.09	53.9	1641.33	64861	1007.5155 ng/ml
Methamphetamine	3.231	3752856	68104.25	38.5	877.40	209590	971.8284 ng/ml
Metoprolol	4.340	886702	45322.87	99.0	14296.62	577250	857.1753 ng/ml
Mirtazapine	4.604	4099453	93876.00	46.7	4631.06	203519	1022.8673 ng/ml
Mitragynine	5.216	208449	603364.46	35.4	144455.51	64861	941.6845 ng/ml
Morphine	1.247	416272	4404.69	19.2	544.32	7558	983.0636 ng/ml
Norbuprenorphine	5.006	2586	9576.03	89.5	1706.76	1304	96.6344 ng/ml
Nordiazepam	5.906	1790110	32262.57	57.8	401.73	66410	934.2689 ng/ml
Norfentanyl	4.093	1264023	572.66	36.4	10693.57	499627	111.6510 ng/ml
Norhydrocodone	3.073	242366	339.09	41.6	115.35	18380	1352.3286 ng/ml
Noroxycodone	2.916	1551501	1313.32	50.1	2743.66	48467	997.6110 ng/ml
O-desmethyl-tramadol	3.383	14212810	209937.06	5.6	28574.40	810374	1023.2656 ng/ml
Oxazepam	5.756	1488906	6445.80	74.3	31248.21	72442	891.4048 ng/ml
Oxycodone	2.841	5422392	859.80	29.9	528.79	228906	954.2864 ng/ml
Oxymorphone	1.398	1746169	368.27	46.2	203.44	55809	958.0865 ng/ml
Phentermine	3.790	1355875	∞	4.5	7236.36	204204	878.6429 ng/ml
Promethazine	5.552	629257	1551.90	30.4	848.75	27840	1022.0232 ng/ml
Pseudoephedrine	2.596	11122521	379540.98	15.6	734.70	502137	1070.5347 ng/ml
Quetiapine	5.528	2953443	1313.59	61.0	960.05	40585	968.4418 ng/ml
Sertraline	5.796	53048	551.41	89.9	8318.32	1959	1085.4068 ng/ml
Temazepam	5.837	3636761	144035.05	27.1	1464.00	198222	1001.7268 ng/ml
Tramadol	4.252	10314958	774.31	3.2	444.45	577250	935.9459 ng/ml
Trazodone	5.054	1897100	14448.89	78.0	96339.70	103723	819.7670 ng/ml
Venlafaxine	5.050	7666816	223097.41	32.4	21401.12	423235	1043.7604 ng/ml
Zolpidem	4.833	14186712	15344.73	27.6	2663.90	679642	941.2917 ng/ml