

REVIEWED

By Tamara Salazar at 12:19 pm, Jul 26, 2021

7/22/2021

Worklist: 5116

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2021-2376	4	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-2691	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-2803	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-2820	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-2839	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-2948	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-3160	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1658	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1849	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2175	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2306	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2307	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2343	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2344	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2359	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2382	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2385	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2406	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2418	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-2420	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

AG SC

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

Extraction Date: 07/21/21
Plate lot#: IDP-121-210610

Analyst: Sarah Collins
Plate Expiration: 12/10/2021

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

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

Blank Blood Lot: Lampire 20L20723

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

LCMS-QQQ ID: 069901

Pre-Analytic:

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

Analytic:


- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Pipette **250 µL blood (calibrated pipette)** in wells of analytical (standards) plate. **Pipette ID: #16**
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 4. Pipette **250 µL 0.5 M ammonium hydroxide** in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **300 µL of blood+base** mixture to corresponding wells of SLE+ plate.
- 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent).
(Load at 85-100 PSI- Selector to the right)
- 8. Wait 5 minutes.
- 9. Add **900 µL ethyl acetate.**
- 10. Wait 5 minutes.
- 11. Apply positive pressure for approx. 10-15 seconds. **(12-15 PSI- Selector to the left).**
- 12. Add **900 µL ethyl acetate.**
- 13. Wait 5 minutes.
- 14. Apply positive pressure for approx. 15 seconds. **(12-15 PSI- Selector to the left).**
- 15. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C.
- 16. Reconstitute in **100 µL 20% LCMS MeOH in water** and heat seal plate with foil. Place in autosampler and run worklist.

Post-Analytic

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

COMMENTS: *Curves limited: Alpha-hydroxyalprazolam 5-250, Buprenorphine 2.5-100, Codeine 5-500, Cyclobenzaprine 10-1000 (reported qualitatively), Dihydrocodeine 5-500, Etizolam 5-500, Lamotrigine 5-250, Lorazepam 5-100, Meprobamate 5-250, Mirtazapine 5-500*

*Alprazolam-D5 used as alpha-hydroxyalprazolam ISTD and thus reported qualitatively.
Fluoxetine reported qualitatively due to QC 10 accuracy outside acceptable range.
Did not evaluate norbuprenorphine.*

Amber Gerheart included case sample P2021-2082-1 in this run. Sarah Collins acted as primary analyst and performed steps 3-16. I, Amber Gerheart, approved of all steps utilized in this method.  7/26/2021

Handwritten initials: AK SC

	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1	p2021-2306-1	m2021-2948-1	IS + Cal. 1	IS + QC_1						IS + Cal. 8
B	IS + Cal. 2	IS + QC_2	m2021-2691-1	p2021-2420-1	IS + Cal. 2	IS + QC_2						IS + Cal. 7
C	IS + Cal. 3	IS + QC_3	p2021-2307-1	p2021-1849-1	IS + Cal. 3	IS + QC_3						IS + Cal. 6
D	IS + Cal. 4	IS + QC_4	m2021-2803-1	p2021-2175-1	IS + Cal. 4	IS + QC_4					IS + QC_2	IS + Cal. 5
E	IS + Cal. 5	IS + QC_2	p2021-2344-1	m2021-3160-3	IS + Cal. 5	IS + QC_2 urine					IS + QC_4	IS + Cal. 4
F	IS + Cal. 6	negative blood	m2021-2820-1	p2021-2343-1	IS + Cal. 6	p2021-2418-1					IS + QC_3	IS + Cal. 3
G	IS + Cal. 7	m2021-2376-4	p2021-2359-1	p2021-2385-2	IS + Cal. 7	p2021-2382-1					IS + QC_2	IS + Cal. 2
H	IS + Cal. 8	m2021-2839-1	p2021-1658-1	p2021-2406-1	IS + Cal. 8	p2021-2082-1 AG Sample					IS + QC_1	IS + Cal. 1

All wells to contain 60 µl of Trapping Solution

AK SC

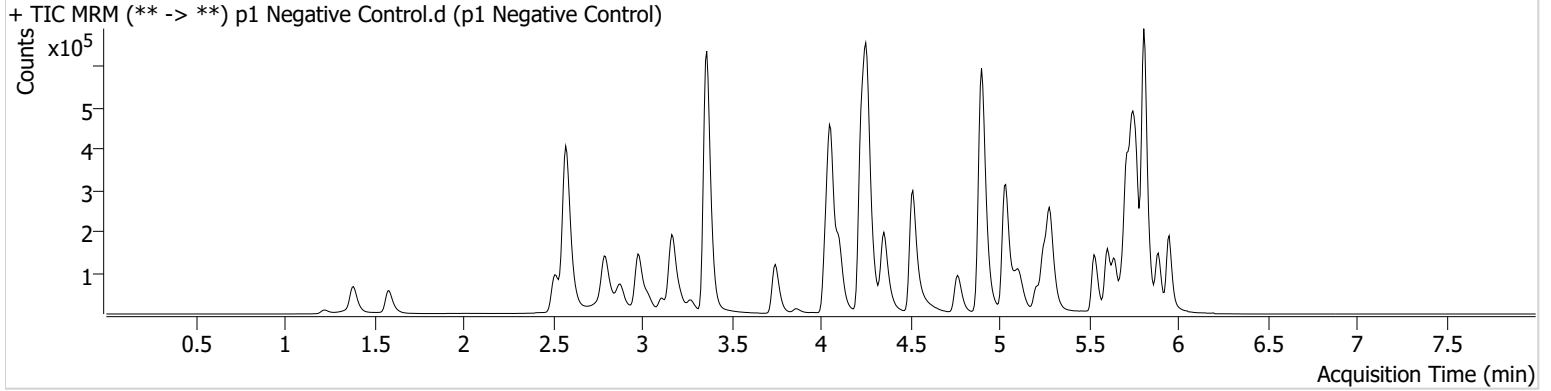


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Calibration Last Update 7/26/2021 7:03:11 AM

Instrument Type	Falco (069901) Sample	Data File	p1 Negative Control.d
Acq. Method	AM 28 MDQ P1.m	Sample	p1 Negative Control
Sample Position	P2-F2	Operator	Sarah Collins
Injection Volume	2	Comment	
Acq. Date-Time	7/22/2021 12:31:38 AM		
Sample Info.			

Sample Chromatogram



AM #28 Multi-Drug Quant. Results

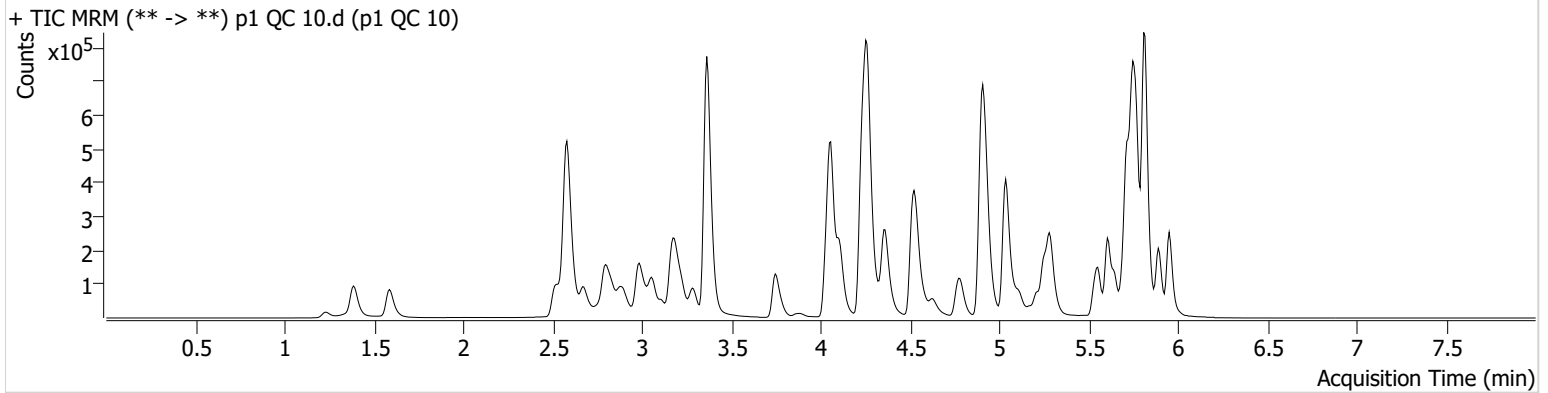
AG SC



Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Calibration Last Update 7/26/2021 7:03:11 AM

Instrument	Falco (069901)	Data File	p1 QC 10.d
Type	QC	Sample	p1 QC 10
Acq. Method	AM 28 MDQ P1.m	Operator	Sarah Collins
Sample Position	P2-A2	Comment	
Injection Volume	2		
Acq. Date-Time	7/21/2021 11:17:21 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	3288	2120.26	79.0	75.09	85778	0.9739 ng/ml
7-aminoclonazepam	4.271	54785	697.79	78.9	170.92	285921	10.7473 ng/ml
a-hydroxyalprazolam	5.699	48354	1427.41	56.5	183.63	473460	10.1949 ng/ml
alpha-PHP	4.937	25418	43.97	278.2	2024.36	535489	10.5794 ng/ml
alpha-PVP	4.370	134047	872.44	52.7	1011.45	535489	10.5755 ng/ml
Alprazolam	5.775	147945	518.25	111.1	5523.45	473460	10.4383 ng/ml
Amphetamine	3.063	168503	214.89	51.0	355.45	171758	11.2034 ng/ml
Benzoylcegonine	3.892	7310	357.04	7.1	29.77	21829	12.4016 ng/ml
* Buprenorphine	5.873	765	11.72	16.6	452.52	26571	1.2895 ng/ml
Bupropion	4.788	82633	1307.01	59.9	135.36	258814	10.7275 ng/ml
Carisoprodol	5.724	147326	956510.78	59.4	143.62	686167	10.8232 ng/ml
Citalopram	5.212	33386	948.93	40.6	294.49	132787	10.9273 ng/ml
Clonazepam	5.612	176886	440.10	31.3	1592.38	189484	11.5848 ng/ml
Clonazepam	5.549	120392	2841.10	36.6	75360.46	189484	11.1926 ng/ml
Cocaine	4.257	138328	627.08	51.4	3098.59	1068022	10.6758 ng/ml
Codeine	2.566	18994	319.10	100.2	29399.27	79473	10.9756 ng/ml
Cyclobenzaprine	5.615	15251	112.92	10.6	61.97	49309	12.3610 ng/ml
Dextromethorphan	5.262	14963	559.00	79.8	37.23	61096	11.2504 ng/ml
Dextrophan	4.111	34742	2513.35	202.9	985.80	356035	10.9220 ng/ml
Diazepam	5.960	90718	489.00	89.4	558.25	377085	11.1406 ng/ml
Dihydrocodeine	2.545	47118	695.60	69.1	593.27	250018	10.7346 ng/ml
Diphenhydramine	5.289	77669	998.18	34.3	107.88	424018	11.1891 ng/ml
Doxylamine	4.536	240145	1226.60	96.1	8500.93	971449	10.5937 ng/ml
EDDP	5.254	59331	5137.43	44.3	14196.13	284715	10.8181 ng/ml
Etizolam	5.813	97026	82320.44	24.9	38039.72	189484	10.6639 ng/ml
Fentanyl	5.103	1770	22.59	70.7	1421.44	73635	1.3468 ng/ml
Flualprazolam	5.705	70304	1225.18	96.6	1408.43	473460	10.7096 ng/ml
Fluoxetine	5.700	17909	102.46	8.5	280.06	54876	13.3784 ng/ml
Hydrocodone	3.012	62608	240.01	40.5	88.26	339483	10.7537 ng/ml
Hydromorphone	1.595	58352	1588.21	78.9	526.61	178980	11.0910 ng/ml
Ketamine	4.051	135191	3592.06	35.4	460.10	581326	10.7911 ng/ml
Lamotrigine	4.280	12945	69.41	82.6	148.92	581326	10.6596 ng/ml
Levetiracetam	2.676	74306	301.45	166.4	662.68	1311231	9.8909 ng/ml

AGI SC

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	155351	1084.41	59.0	143.92	189484	11.2762 ng/ml
MDA	3.196	143819	555.60	23.7	128.36	332908	10.6258 ng/ml
MDMA	3.290	93903	992.16	73.6	325.06	74235	10.8303 ng/ml
Meprobamate	4.924	90060	5969.45	29.0	557.51	337861	10.8896 ng/ml
Methadone	5.646	41982	550.09	48.6	335.42	160664	11.6780 ng/ml
Methamphetamine	3.231	87721	450.07	37.8	397.14	328955	10.6073 ng/ml
Metoprolol	4.326	27065	1653.78	93.0	486.26	1327999	10.8805 ng/ml
Mirtazapine	4.631	59242	541.42	52.2	1458.86	535489	10.6386 ng/ml
Mitragynine	5.237	6509	3242.10	41.9	7339.46	160664	11.5569 ng/ml
Morphine	1.240	7969	754.17	42.3	1671.02	7313	10.5934 ng/ml
Nordiazepam	5.900	96664	1690.29	54.1	486.88	277242	10.6745 ng/ml
Norfentanyl	4.079	23902	38.06	36.3	101.75	991545	1.0556 ng/ml
Norhydrocodone	3.060	9768	151.40	46.2	49.67	67764	10.8278 ng/ml
Noroxycodone	2.903	70184	255.62	41.6	576.64	224465	10.5828 ng/ml
O-desmethyl-tramadol	3.369	333009	7517.42	6.8	265.78	1834654	10.5216 ng/ml
Oxazepam	5.756	184946	1277.08	75.7	1740.51	746448	10.7157 ng/ml
Oxycodone	2.827	131894	1862.84	26.2	390.97	539225	10.4752 ng/ml
Oxymorphone	1.391	75346	924.46	42.1	205.52	229418	10.8334 ng/ml
Phentermine	3.783	36085	102.39	4.2	27.33	375576	10.8768 ng/ml
Promethazine	5.538	32614	203.13	27.8	65.77	123734	11.0568 ng/ml
Pseudoephedrine	2.589	287381	302.89	16.4	93.69	1311231	10.4373 ng/ml
Quetiapine	5.555	49838	∞	57.1	73991.44	58678	10.9847 ng/ml
Sertraline	5.776	8499	231.45	100.0	130.05	25490	12.9356 ng/ml
Temazepam	5.816	306500	481.96	29.8	750.52	1383746	10.8883 ng/ml
Tramadol	4.246	293066	6363.53	3.7	129.14	1327999	10.7961 ng/ml
Trazodone	5.169	37860	81.21	80.7	278.36	122074	11.0619 ng/ml
Venlafaxine	5.037	191616	2218.56	37.0	656.89	923373	10.4754 ng/ml
Zolpidem	4.928	304178	1253.76	31.4	2206.42	1478165	10.4503 ng/ml

AM #28 Multi-Drug Quant. Results

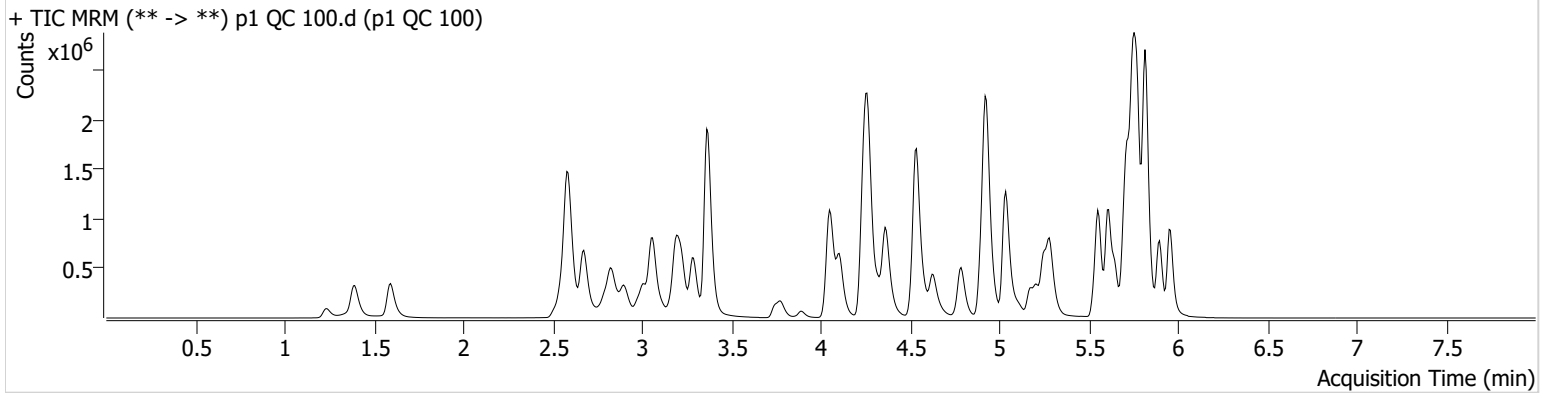
AG SC



Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Calibration Last Update 7/26/2021 7:03:11 AM

Instrument	Falco (069901)	Data File	p1 QC 100.d
Type	QC	Sample	p1 QC 100
Acq. Method	AM 28 MDQ P1.m	Operator	Sarah Collins
Sample Position	P2-B2	Comment	
Injection Volume	2		
Acq. Date-Time	7/22/2021 4:46:10 AM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	35083	926.33	68.1	2262.79	87700	10.7462 ng/ml
7-aminoclonazepam	4.271	504916	9471.42	76.8	6360.14	257925	114.0959 ng/ml
a-hydroxyalprazolam	5.692	413503	587.14	54.4	506.94	442306	105.7269 ng/ml
alpha-PHP	4.930	258983	6288.40	268.9	3322.68	531456	119.0201 ng/ml
alpha-PVP	4.370	1321918	36858.94	53.2	16712.51	531456	107.4225 ng/ml
Alprazolam	5.775	1431944	1450.30	108.7	∞	442306	113.3155 ng/ml
Amphetamine	3.063	1518153	12379.81	50.3	819.89	163130	117.1784 ng/ml
Benzoylecgonine	3.892	75708	357.52	7.8	494.22	23821	117.1858 ng/ml
Buprenorphine	5.873	8339	622.78	17.2	2067.20	30611	10.6571 ng/ml
Bupropion	4.788	815702	768.22	60.3	626.25	262854	108.8989 ng/ml
Carisoprodol	5.724	1289599	114429.90	57.8	2813.35	588557	111.9673 ng/ml
Citalopram	5.212	370134	6871.72	41.2	141191.40	153868	108.7025 ng/ml
Clonazepam	5.612	1595312	8730.31	32.0	141890.42	181943	117.2038 ng/ml
Clonazepam	5.549	1095249	1358411.72	38.1	894590.02	181943	110.9806 ng/ml
Cocaine	4.257	1339243	1078441.98	51.0	678.83	1058292	109.8295 ng/ml
Codeine	2.566	177276	1017.71	101.5	476.11	77485	117.1729 ng/ml
Cyclobenzaprine	5.615	176318	4223.08	9.6	53.00	66196	109.8588 ng/ml
Dextromethorphan	5.255	161804	358.14	81.9	517.35	71893	113.9377 ng/ml
Dextrophan	4.112	346065	1359.86	204.6	1761.91	351804	115.3710 ng/ml
Diazepam	5.960	874545	1951.35	88.4	708.65	377037	112.8199 ng/ml
Dihydrocodeine	2.545	471357	39302.52	69.1	5541.05	253078	120.8719 ng/ml
Diphenhydramine	5.289	845686	301.98	34.4	487.00	491534	109.0413 ng/ml
Doxylamine	4.536	2523527	21045.56	96.7	1487606.02	1011884	110.9784 ng/ml
EDDP	5.254	662894	50317.37	41.4	298.62	321852	111.2556 ng/ml
Etizolam	5.813	922900	6146.32	25.5	19688.98	181943	107.0466 ng/ml
Fentanyl	5.109	19679	1678.57	64.0	10840.23	92986	11.3781 ng/ml
Flualprazolam	5.705	635530	10891.55	97.9	39401.72	442306	112.7047 ng/ml
Fluoxetine	5.707	175744	159.65	8.8	6874.51	70150	107.3341 ng/ml
Hydrocodone	3.012	593537	217.22	42.6	524.99	331576	115.7531 ng/ml
Hydromorphone	1.595	564293	1755430.36	78.9	2676163.06	174443	113.5726 ng/ml
Ketamine	4.051	1316224	1980.30	36.1	938.46	579279	112.9114 ng/ml
Lamotrigine	4.280	126095	4715.60	82.7	4017.82	579279	114.1169 ng/ml
Levetiracetam	2.676	714856	3446.54	165.1	15733.85	1261605	113.6850 ng/ml

AK SC



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	1194286	2176.25	57.5	2848.44	181943	103.8584 ng/ml
MDA	3.196	1364062	11308.17	23.4	2304.43	312579	118.1854 ng/ml
MDMA	3.290	927444	4861.76	75.2	2975.53	77685	107.7431 ng/ml
Meprobamate	4.917	747783	26496.97	28.2	36678.71	308108	122.3008 ng/ml
Methadone	5.646	468822	706.64	51.6	2236.69	189728	106.0512 ng/ml
Methamphetamine	3.224	785969	2343.35	36.9	967.56	308747	115.3456 ng/ml
Metoprolol	4.326	273442	561195.91	91.7	3775.29	1385734	111.5757 ng/ml
Mirtazapine	4.631	643667	59459.63	52.8	2812.95	531456	113.1186 ng/ml
Mitragynine	5.237	72320	100500.49	39.8	55024.22	189728	111.2038 ng/ml
Morphine	1.233	80696	498.81	39.4	1331.22	7174	116.9637 ng/ml
**Norbuprenorphine	4.992	1159	368.90	92.1	2227.47	5086	9.7707 ng/ml
Nordiazepam	5.900	924931	13960.95	54.2	972.60	272489	110.0783 ng/ml
Norfentanyl	4.079	246155	2510.11	34.0	383.72	999816	10.6753 ng/ml
Norhydrocodone	3.060	84275	932.13	43.6	61.95	60363	104.7066 ng/ml
Noroxycodone	2.903	647673	1347.81	42.3	893.83	207027	111.4058 ng/ml
O-desmethyl-tramadol	3.369	3379604	7124.01	6.9	3953.44	1840489	109.8701 ng/ml
Oxazepam	5.756	1559153	8320.48	71.6	5132.71	614798	116.5086 ng/ml
Oxycodone	2.827	1318815	552.33	27.5	2611.56	532049	113.1778 ng/ml
Oxymorphone	1.391	702493	2357.29	42.7	∞	213227	115.9678 ng/ml
Phentermine	3.783	350636	303.05	4.0	348.54	371372	115.8852 ng/ml
Promethazine	5.532	410344	36448.87	28.1	143.80	169430	105.6359 ng/ml
Pseudoephedrine	2.589	2804721	1374.14	16.5	4406.71	1261605	106.7843 ng/ml
Quetiapine	5.555	552461	12752.26	57.5	383945.66	68809	110.4368 ng/ml
Sertraline	5.776	92293	315.70	95.5	7918.85	34429	114.0306 ng/ml
Temazepam	5.816	2820925	74012.29	29.4	543.72	1276074	100.8965 ng/ml
Tramadol	4.246	2886479	4723.56	3.6	593.74	1385734	108.8334 ng/ml
Trazodone	5.169	463818	961959.92	81.1	725620.84	152440	113.1722 ng/ml
Venlafaxine	5.037	1970482	22145.09	37.0	493.82	951882	107.3748 ng/ml
Zolpidem	4.928	3095454	2904.09	31.2	8491.33	1487835	112.6172 ng/ml

**Did not evaluate

AG SC

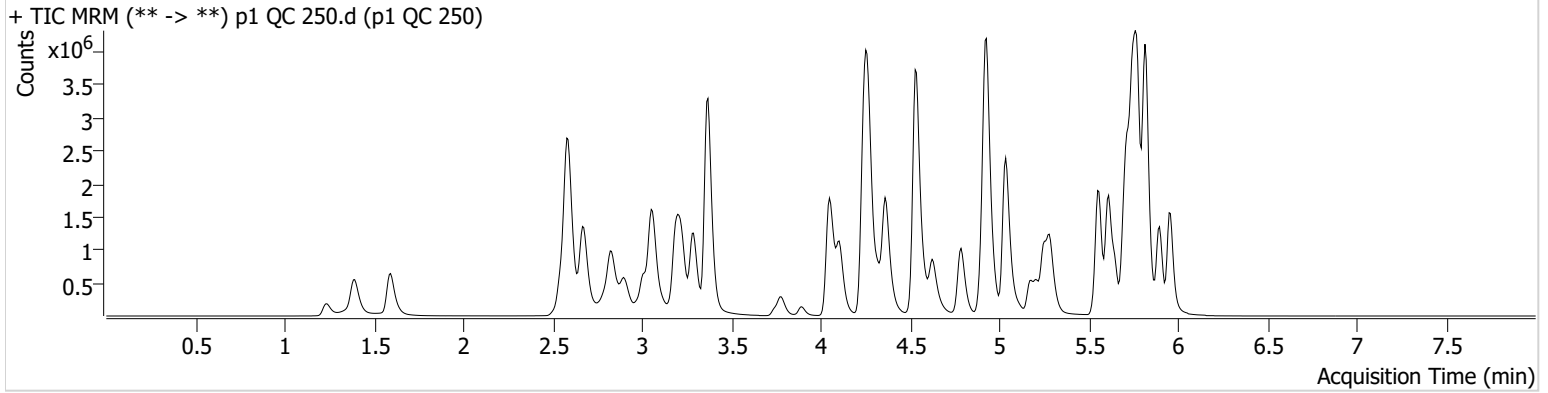


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Calibration Last Update 7/26/2021 7:03:11 AM

Instrument	Falco (069901)	Data File	p1 QC 250.d
Type	QC	Sample	p1 QC 250
Acq. Method	AM 28 MDQ P1.m	Operator	Sarah Collins
Sample Position	P2-C2	Comment	
Injection Volume	2		
Acq. Date-Time	7/21/2021 11:38:34 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	78782	1228.18	70.3	1122.15	79853	26.5937 ng/ml
7-aminoclonazepam	4.271	953316	10685.79	77.4	172.16	202332	275.2655 ng/ml
a-hydroxyalprazolam	5.692	667327	1180.70	57.6	475.51	348783	217.9704 ng/ml
alpha-PHP	4.930	524822	6966.74	268.3	43444.90	476111	270.6456 ng/ml
alpha-PVP	4.363	2942438	2816.23	52.9	786.29	476111	267.2937 ng/ml
Alprazolam	5.775	2789474	∞	112.4	9194.15	348783	280.7446 ng/ml
Amphetamine	3.063	3188329	47417.01	49.8	9658.35	144219	280.1278 ng/ml
Benzoylcegonine	3.892	163145	6018.49	7.4	4878.07	20784	289.3453 ng/ml
Buprenorphine	5.873	12684	1358.85	12.5	1925.82	18961	25.9051 ng/ml
Bupropion	4.788	1790776	32618.28	60.3	1774.38	230706	273.1862 ng/ml
Carisoprodol	5.724	2259318	48312.94	57.8	378.12	410560	281.4560 ng/ml
Citalopram	5.212	655861	7207.36	40.6	267.70	111254	267.0975 ng/ml
Clonazepam	5.612	3011472	1566.14	31.1	17210.48	140997	286.9311 ng/ml
Clonazepam	5.549	2144025	21941.12	38.1	1175596.32	140997	281.2311 ng/ml
Cocaine	4.257	2872218	48297.27	51.9	152911.22	918736	272.2514 ng/ml
Codeine	2.566	342948	231.21	99.7	297.00	64652	273.5330 ng/ml
Cyclobenzaprine	5.615	208343	290.38	9.0	219.74	31560	272.9390 ng/ml
Dextromethorphan	5.262	251657	18598.35	80.2	27720.34	46495	275.8213 ng/ml
Dextrophan	4.111	717428	1142.72	204.6	1880.64	298800	282.4390 ng/ml
Diazepam	5.960	1794333	826.58	87.5	7058.98	307745	284.5435 ng/ml
Dihydrocodeine	2.545	971215	1003.02	69.8	815.14	227434	279.2850 ng/ml
Diphenhydramine	5.289	1495020	2843.38	34.0	147.20	352861	269.2095 ng/ml
Doxylamine	4.529	5923590	84716.22	94.5	77147.97	955615	276.5146 ng/ml
EDDP	5.254	1412401	32995.72	41.3	224.52	275320	277.8388 ng/ml
Etizolam	5.813	1817830	12982.46	24.9	831829.51	140997	272.3234 ng/ml
Fentanyl	5.103	24340	120.18	62.9	21828.90	49151	26.5411 ng/ml
Flualprazolam	5.705	1217950	14635.36	103.4	117387.78	348783	275.4028 ng/ml
Fluoxetine	5.700	150910	3041.23	8.6	766.54	23568	275.4103 ng/ml
Hydrocodone	3.012	1287643	311.51	42.0	488.88	299425	279.9163 ng/ml
Hydromorphone	1.595	1178811	5143928.32	78.5	4907.63	149373	277.6429 ng/ml
Ketamine	4.051	2921793	125420.39	35.6	1323.61	529626	275.3597 ng/ml
Lamotrigine	4.280	252532	1276.37	80.5	19912.35	529626	251.3148 ng/ml
Levetiracetam	2.676	1479459	5271.08	164.5	13072.33	1103924	271.1317 ng/ml

AK SC



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
* Lorazepam	5.747	1711116	25198.80	58.2	1101.35	140997	193.6609 ng/ml
MDA	3.196	2720755	2415.54	23.2	1194.75	267828	276.7026 ng/ml
MDMA	3.290	2006633	13214.80	74.7	4006.96	66951	271.4805 ng/ml
Meprobamate	4.917	1286417	2044.55	29.0	228.62	254413	257.8950 ng/ml
Methadone	5.646	773702	13017.25	49.5	1269.18	124037	266.9185 ng/ml
Methamphetamine	3.224	1666062	1108.95	37.2	1148.36	278104	273.6756 ng/ml
Metoprolol	4.326	584479	1414833.06	93.1	27423.67	1168434	283.9457 ng/ml
Mirtazapine	4.624	1219515	3005.44	52.9	907.26	476111	238.8567 ng/ml
Mitragynine	5.237	100991	2392.47	39.8	51385.09	124037	237.8653 ng/ml
Morphine	1.233	171381	923.29	39.1	565.84	6548	273.2313 ng/ml
** Norbuprenorphine	4.986	1596	2048.40	110.1	38.65	3481	21.4595 ng/ml
Nordiazepam	5.900	1842071	∞	53.9	3853.23	213657	280.6821 ng/ml
Norfentanyl	4.079	542008	59053.21	34.8	4910.37	882075	26.6263 ng/ml
Norhydrocodone	3.059	170582	363.40	41.1	184.18	46489	275.1530 ng/ml
Noroxycodone	2.903	1261264	2764.03	42.9	638.18	167852	268.4431 ng/ml
O-desmethyl-tramadol	3.369	7406491	214309.60	6.6	1674.34	1574194	282.1023 ng/ml
Oxazepam	5.749	2466703	13927.20	73.8	11003.14	403347	282.0008 ng/ml
Oxycodone	2.821	2874741	10751.78	27.3	1743.85	480987	273.9796 ng/ml
Oxymorphone	1.391	1364496	∞	43.9	∞	180884	266.5680 ng/ml
Phentermine	3.783	741572	1501.62	3.9	748.72	326430	280.2660 ng/ml
Promethazine	5.532	471026	3765.80	28.2	∞	78853	261.2665 ng/ml
Pseudoephedrine	2.589	6173813	183226.08	15.8	44769.68	1103924	268.7820 ng/ml
Quetiapine	5.555	1076322	135498.22	58.6	309.58	54319	273.6958 ng/ml
Sertraline	5.776	73662	3368.37	95.1	414.66	10792	292.5577 ng/ml
Temazepam	5.823	5001840	36774.79	27.9	1287.59	869229	261.2496 ng/ml
Tramadol	4.246	6388800	13882.01	3.6	472.63	1168434	287.0204 ng/ml
Trazodone	5.169	843719	443477.27	81.8	19012.59	112437	279.8873 ng/ml
Venlafaxine	5.037	4446246	60124.93	36.5	546.90	841192	274.6624 ng/ml
Zolpidem	4.928	6875629	177995.69	30.0	5521.21	1338271	279.2245 ng/ml

*Outside curve range

**Did not evaluate

Handwritten initials: AH SC

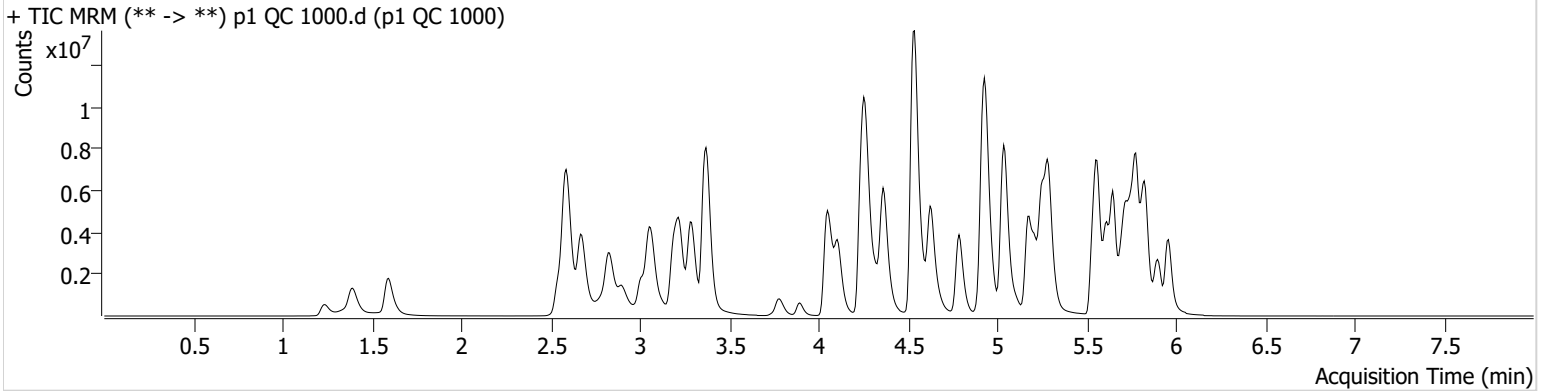


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Calibration Last Update 7/26/2021 7:03:11 AM

Instrument	Falco (069901)	Data File	p1 QC 1000.d
Type	QC	Sample	p1 QC 1000
Acq. Method	AM 28 MDQ P1.m	Operator	Sarah Collins
Sample Position	P2-D2	Comment	
Injection Volume	2		
Acq. Date-Time	7/21/2021 11:59:47 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	302595	1996.86	69.1	705.46	74230	110.0746 ng/ml
7-aminoclonazepam	4.278	2030173	22315.97	80.3	15032.98	111513	1064.9612 ng/ml
* a-hydroxyalprazolam	5.685	1045807	7119.56	58.9	1310.90	224136	533.7493 ng/ml
alpha-PHP	4.937	1817055	66145.87	271.5	199554.19	430767	1038.8478 ng/ml
alpha-PVP	4.363	11117771	1678.10	51.7	∞	430767	1117.0906 ng/ml
Alprazolam	5.775	7165854	∞	108.0	∞	224136	1123.9319 ng/ml
Amphetamine	3.065	9604854	61495.35	48.6	25129.15	128541	949.8705 ng/ml
Benzoylecgonine	3.892	749651	993.08	7.8	305441.38	22114	1249.3338 ng/ml
Buprenorphine	5.867	110054	64050.19	14.0	26336.54	36502	116.1135 ng/ml
Bupropion	4.788	7046355	3290.01	59.6	33118.77	221180	1122.8806 ng/ml
Carisoprodol	5.724	4225671	7819199.77	57.3	31705.91	181249	1192.9534 ng/ml
Citalopram	5.212	4576302	134459.66	39.9	69069.44	181628	1143.1639 ng/ml
Clonazepam	5.612	6029059	44972.95	30.9	29350.77	81555	995.5975 ng/ml
Clonazepam	5.555	4383113	264856.64	37.4	2629699.18	81555	995.4548 ng/ml
Cocaine	4.257	9779328	1718969.35	50.3	188033.73	737526	1156.7557 ng/ml
* Codeine	2.566	848774	5737.99	97.6	170.35	51116	859.2464 ng/ml
Cyclobenzaprine	5.615	2679861	86280.72	9.2	5981.51	100134	1107.8686 ng/ml
Dextromethorphan	5.262	1963350	99528.90	79.9	580.89	87374	1149.1380 ng/ml
Dextrophan	4.112	2712652	1897.73	209.7	1579.71	269262	1186.9278 ng/ml
Diazepam	5.960	4956847	10784.83	89.4	∞	220172	1100.4945 ng/ml
* Dihydrocodeine	2.538	3013326	3286.07	68.8	1219.15	219080	903.2610 ng/ml
Diphenhydramine	5.289	11181007	192427.67	32.4	15573.12	604548	1176.7407 ng/ml
Doxylamine	4.539	24615174	347174.19	96.9	1326466.48	1014555	1083.6054 ng/ml
EDDP	5.254	8560503	88057.23	40.3	127283.28	390083	1190.1453 ng/ml
* Etizolam	5.813	5103775	8655.68	24.6	428450.25	81555	1322.4653 ng/ml
Fentanyl	5.109	344232	442.75	62.7	11657.63	166059	110.9087 ng/ml
Flualprazolam	5.705	2805156	73184.85	106.0	95099.33	224136	989.7517 ng/ml
Fluoxetine	5.707	1489275	240114.84	8.4	130616.04	58437	1098.2422 ng/ml
Hydrocodone	3.005	4367475	904.75	41.3	1185.77	268764	1061.3746 ng/ml
Hydromorphone	1.595	3829575	10423170.66	79.6	68241.89	120513	1119.1639 ng/ml
Ketamine	4.051	10688550	81942.11	34.2	25719.69	483630	1105.6904 ng/ml
* Lamotrigine	4.287	609700	1696.54	82.0	16313.96	483630	666.3246 ng/ml
Levetiracetam	2.676	4294271	26278.47	169.0	13255.68	818028	1066.8249 ng/ml

AK SC

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
* Lorazepam	5.747	1858358	94636.56	58.0	13822.05	81555	365.3250 ng/ml
MDA	3.196	7807165	15980.18	23.3	2650.47	217077	982.6560 ng/ml
MDMA	3.290	7815411	349472.79	74.1	80907.09	62143	1141.2554 ng/ml
* Meprobamate	4.911	2291566	43937.82	29.0	20705.28	177556	662.6928 ng/ml
Methadone	5.646	7665618	2083.50	47.8	83929.96	283118	1156.8713 ng/ml
Methamphetamine	3.224	6674281	1850.44	36.6	30446.36	292046	1048.6498 ng/ml
Metoprolol	4.326	1852989	180200.39	92.0	9217.38	999153	1054.6587 ng/ml
* Mirtazapine	4.631	8793317	147433.69	51.6	388217.61	430767	1901.2238 ng/ml
Mitragynine	5.237	1063315	112220.40	39.9	659361.96	283118	1098.2833 ng/ml
Morphine	1.233	561900	1857.90	41.1	1215.62	5399	1088.9661 ng/ml
** Norbuprenorphine	4.986	13825	5270.77	99.2	135.42	6032	114.3545 ng/ml
Nordiazepam	5.900	4277138	∞	54.3	642.67	125966	1107.4867 ng/ml
Norfentanyl	4.079	1978684	69895.77	33.7	2111.68	685244	125.0821 ng/ml
Norhydrocodone	3.053	539217	334.51	42.4	556.17	33104	1221.3678 ng/ml
Noroxycodone	2.903	3125254	∞	42.4	1943.98	100552	1112.2874 ng/ml
O-desmethyl-tramadol	3.369	23598913	240041.37	6.8	48476.05	1281476	1105.2605 ng/ml
Oxazepam	5.749	2717260	17524.03	72.0	6132.81	123020	1020.4425 ng/ml
Oxycodone	2.821	10302151	6827.85	26.8	10480.89	438316	1079.6944 ng/ml
Oxymorphone	1.391	4188667	∞	42.7	346.27	133564	1110.7641 ng/ml
Phentermine	3.783	2538094	22702.53	3.9	1169.73	317822	987.7805 ng/ml
Promethazine	5.532	6480023	4381.76	27.8	25209.74	254908	1113.4663 ng/ml
Pseudoephedrine	2.589	20129090	617.16	15.5	134131.93	818028	1182.9498 ng/ml
Quetiapine	5.555	7154217	739551.65	57.7	64579.27	90922	1089.1806 ng/ml
Sertraline	5.776	735300	13061.96	98.7	10080.34	27206	1162.6179 ng/ml
Temazepam	5.830	8798751	68592.66	27.6	7250.34	354369	1124.3957 ng/ml
Tramadol	4.239	20027037	798.25	3.5	9355.98	999153	1054.3513 ng/ml
Trazodone	5.169	7748779	105920.30	81.8	178756.70	262914	1100.8394 ng/ml
Venlafaxine	5.037	18004084	513386.06	36.2	24017.23	798545	1172.6293 ng/ml
Zolpidem	4.928	23253639	520225.64	30.4	8657.78	1258382	1006.2837 ng/ml

*Outside curve range

**Did not evaluate

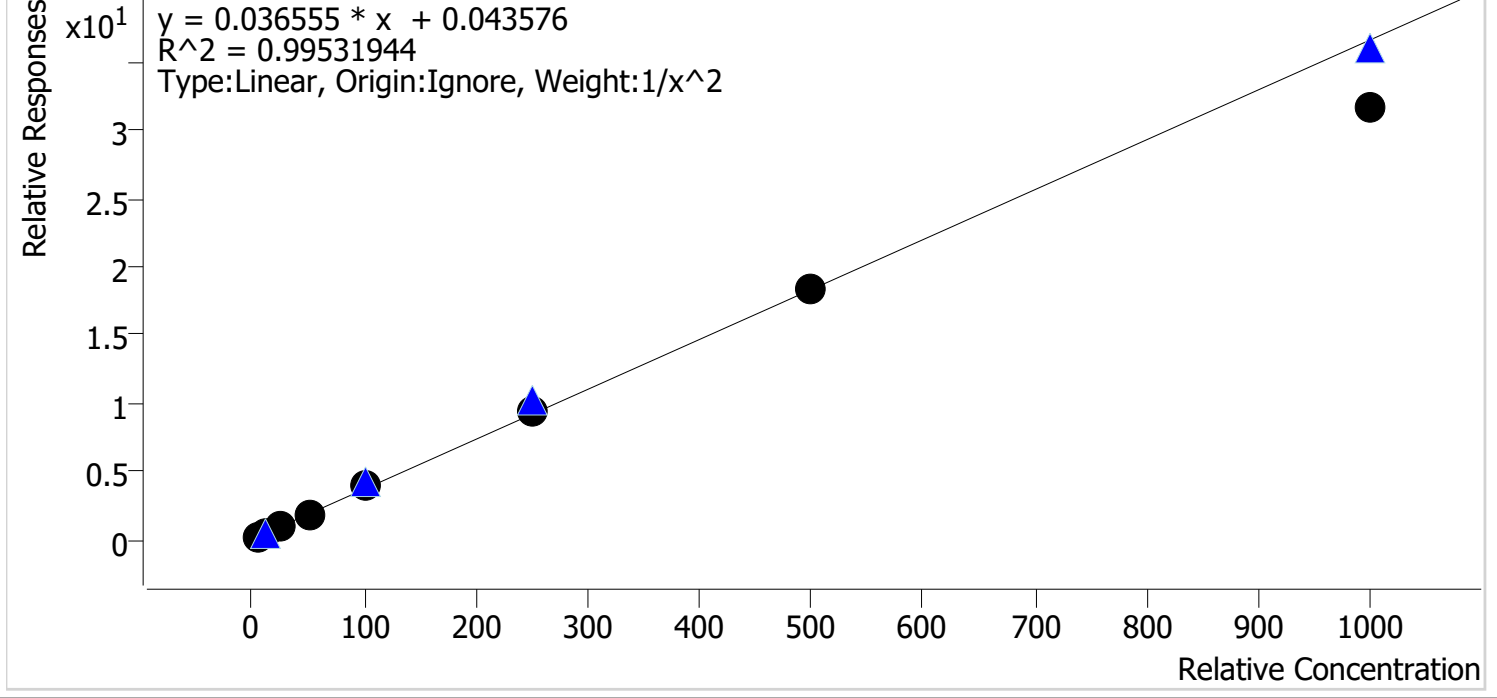
AK SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 7/26/2021 7:03 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	97.1
p1 Cal 2-10ng	2	✓	10.0	10.3	103.2
p1 Cal 3 -25ng	3	✓	25.0	26.0	104.0
p1 Cal 4-50ng	4	✓	50.0	51.7	103.3
p1 Cal 5-100ng	5	✓	100.0	104.4	104.4
p1 Cal 6-250ng	6	✓	250.0	252.7	101.1
p1 Cal 7-500ng	7	✓	500.0	502.2	100.4
p1 Cal 8-1000ng	8	✓	1000.0	865.1	86.5

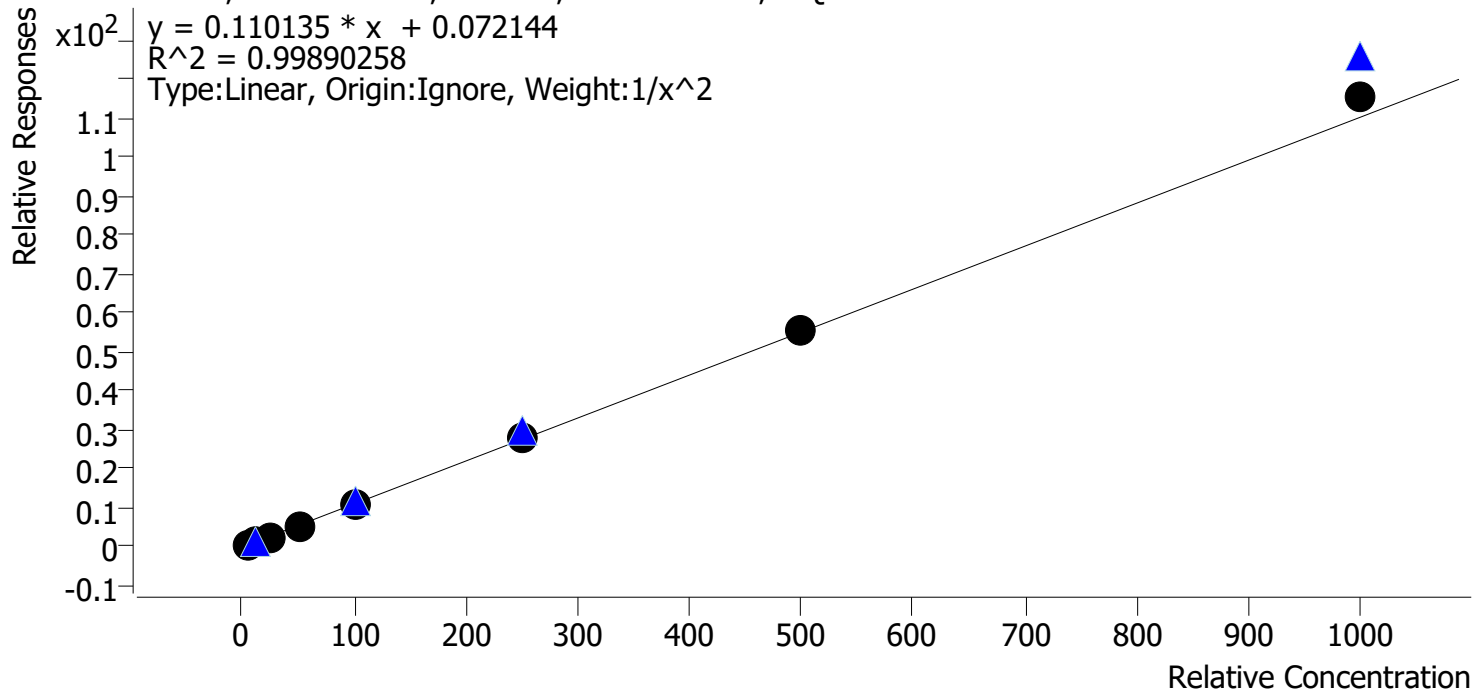
AK SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 7/26/2021 7:03 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	5.1	101.7
p1 Cal 2-10ng	2	✓	10.0	9.9	98.7
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.5
p1 Cal 4-50ng	4	✓	50.0	49.8	99.7
p1 Cal 5-100ng	5	✓	100.0	97.2	97.2
p1 Cal 6-250ng	6	✓	250.0	253.0	101.2
p1 Cal 7-500ng	7	✓	500.0	507.9	101.6
p1 Cal 8-1000ng	8	✓	1000.0	1045.6	104.6

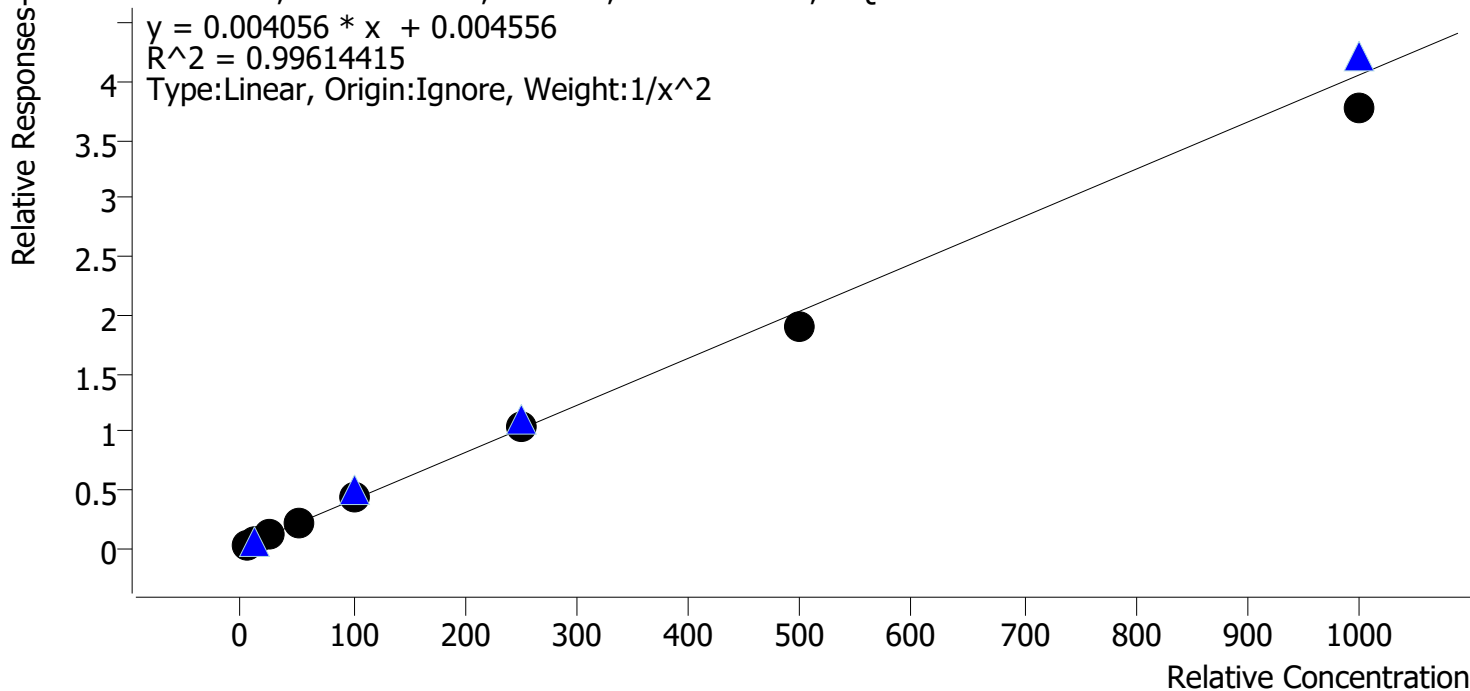
AK SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 7/26/2021 7:03 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	97.9
p1 Cal 2-10ng	2	✓	10.0	10.3	102.6
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.8
p1 Cal 4-50ng	4	✓	50.0	53.1	106.1
p1 Cal 5-100ng	5	✓	100.0	107.2	107.2
p1 Cal 6-250ng	6	✓	250.0	251.7	100.7
p1 Cal 7-500ng	7	✓	500.0	465.4	93.1
p1 Cal 8-1000ng	8	✓	1000.0	926.4	92.6

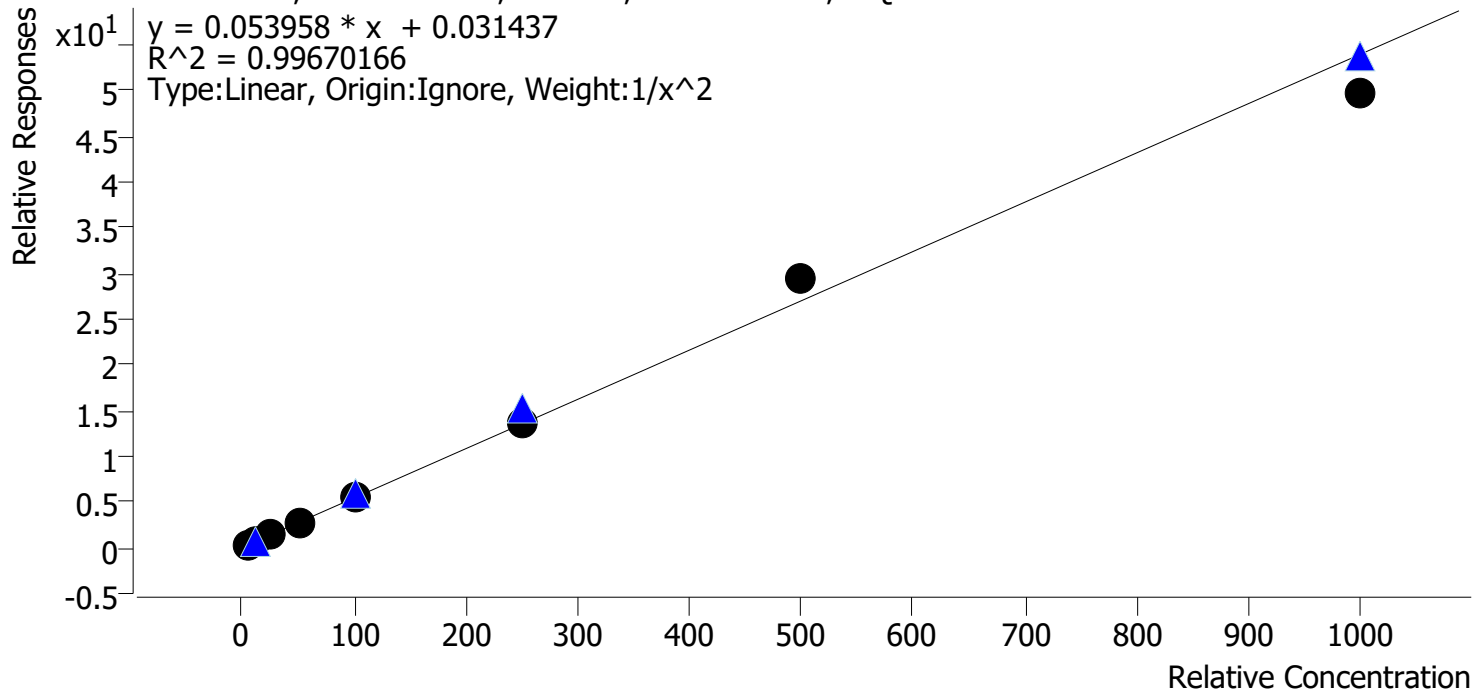
AK SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 7/26/2021 7:03 AM
Analyst Name ISP\datastor
Analyte Clonazolam **Internal Standard** Clonazepam-D4

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.1
p1 Cal 2-10ng	2	✓	10.0	10.2	101.9
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.4
p1 Cal 4-50ng	4	✓	50.0	49.9	99.8
p1 Cal 5-100ng	5	✓	100.0	101.4	101.4
p1 Cal 6-250ng	6	✓	250.0	254.8	101.9
p1 Cal 7-500ng	7	✓	500.0	542.3	108.5
p1 Cal 8-1000ng	8	✓	1000.0	920.9	92.1

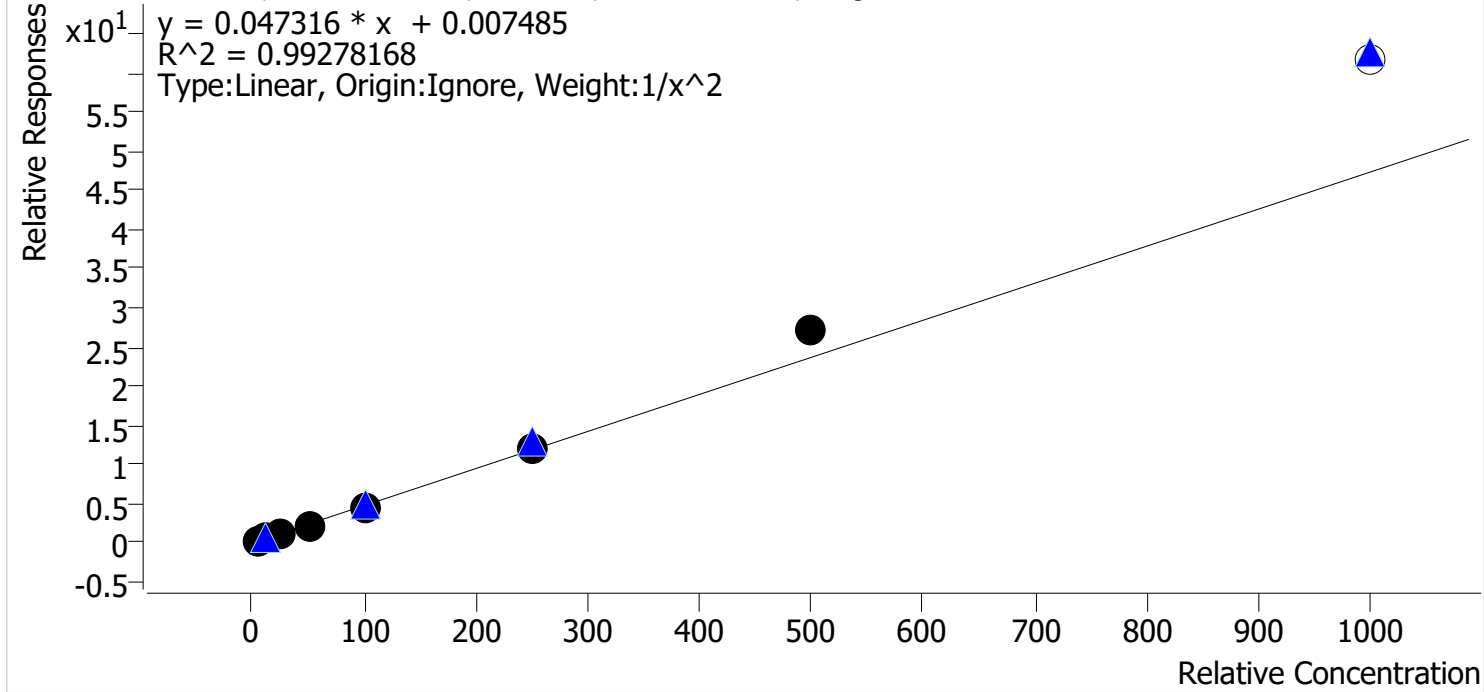
Handwritten initials: *AKI SC*



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 7/26/2021 7:03 AM
Analyst Name ISP\datastor
Analyte Etizolam **Internal Standard** Clonazepam-D4

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.5
p1 Cal 2-10ng	2	✓	10.0	9.7	97.0
p1 Cal 3 -25ng	3	✓	25.0	23.1	92.4
p1 Cal 4-50ng	4	✓	50.0	47.7	95.4
p1 Cal 5-100ng	5	✓	100.0	96.3	96.3
p1 Cal 6-250ng	6	✓	250.0	253.5	101.4
p1 Cal 7-500ng	7	✓	500.0	570.0	114.0
p1 Cal 8-1000ng	8	x	1000.0	1299.2	129.9

Calibrator 8 dropped due to not meeting accuracy requirement

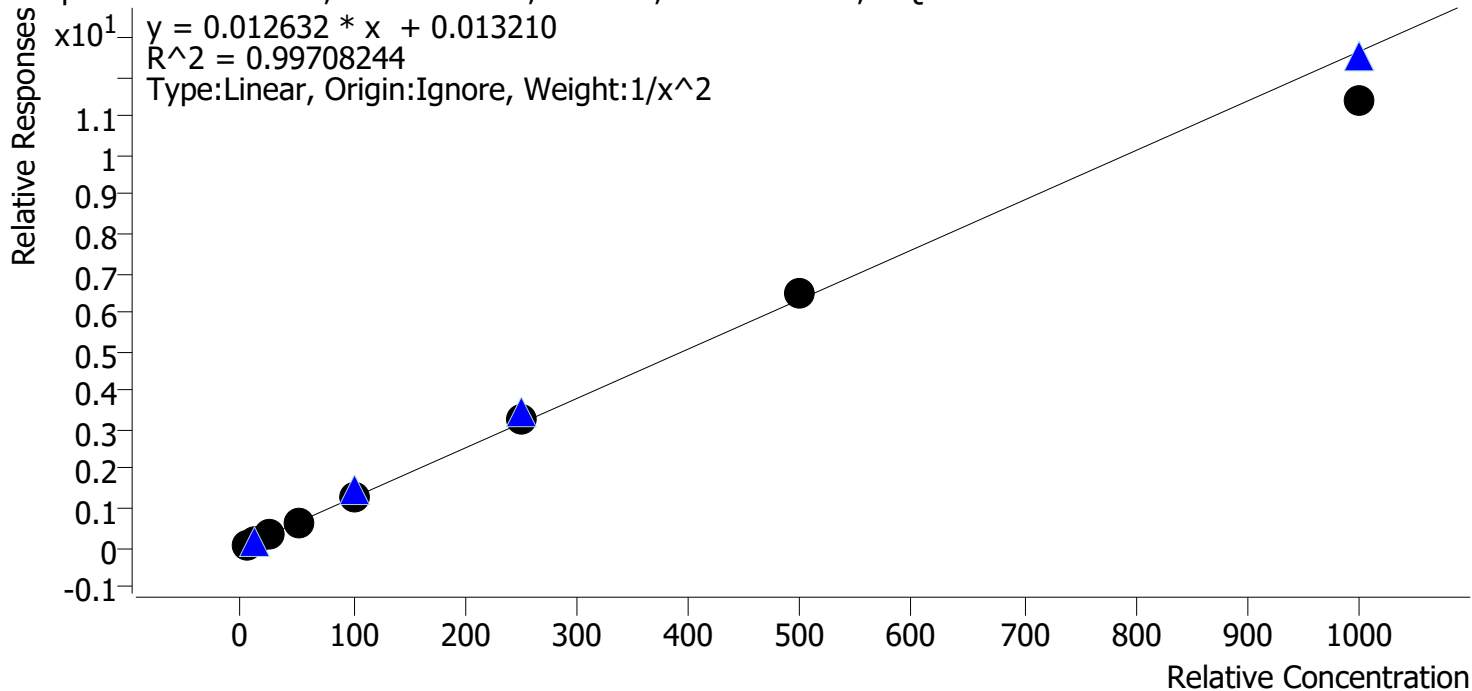
AK SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 7/26/2021 7:03 AM
Analyst Name ISP\datastor
Analyte Flualprazolam **Internal Standard** Alprazolam-D5

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



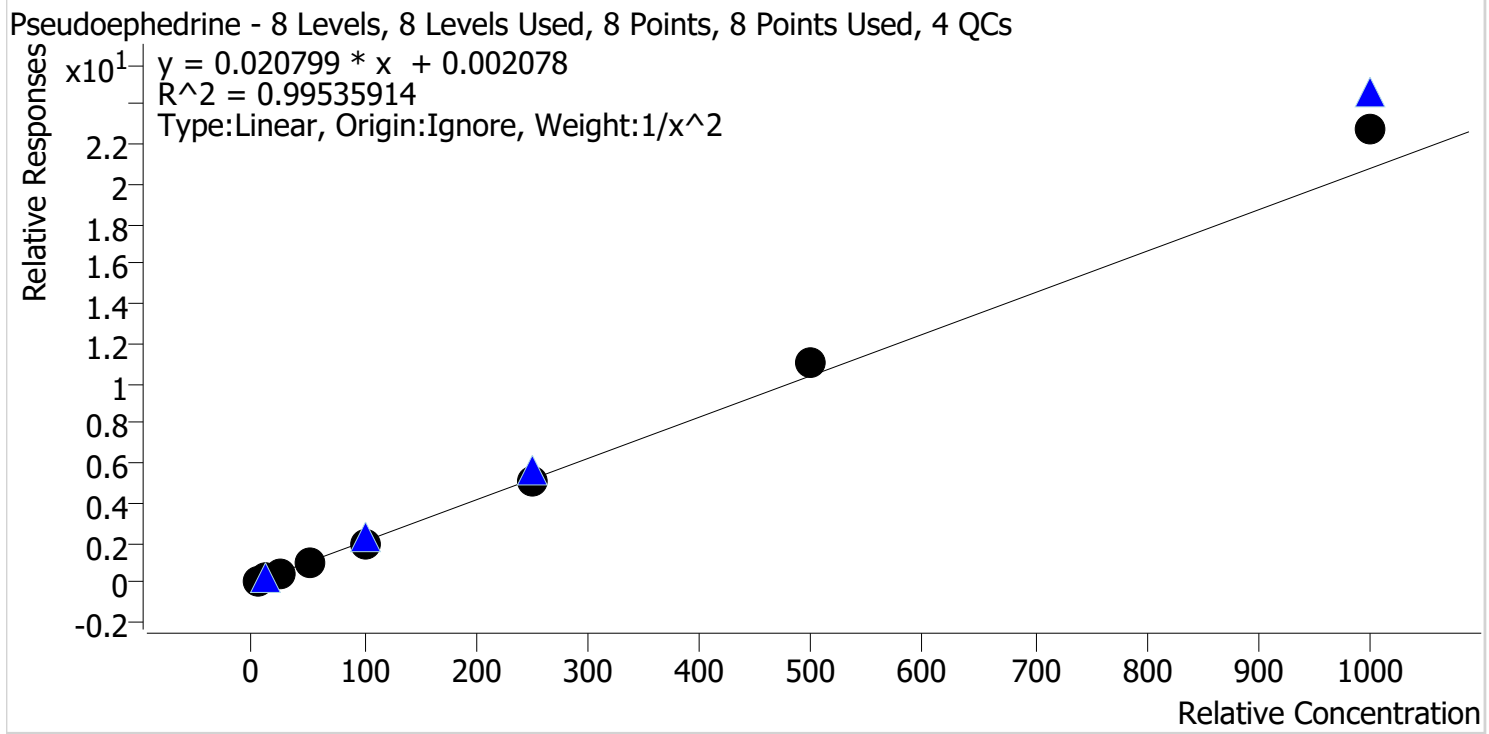
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.9
p1 Cal 2-10ng	2	✓	10.0	9.7	97.3
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.2
p1 Cal 4-50ng	4	✓	50.0	51.9	103.7
p1 Cal 5-100ng	5	✓	100.0	104.5	104.5
p1 Cal 6-250ng	6	✓	250.0	255.4	102.2
p1 Cal 7-500ng	7	✓	500.0	511.2	102.2
p1 Cal 8-1000ng	8	✓	1000.0	899.2	89.9

AK SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 7/26/2021 7:03 AM
Analyst Name ISP\datastor
Analyte Pseudoephedrine **Internal Standard** Pseudoephedrine-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	9.8	98.5
p1 Cal 3 -25ng	3	✓	25.0	23.2	92.7
p1 Cal 4-50ng	4	✓	50.0	47.6	95.2
p1 Cal 5-100ng	5	✓	100.0	95.4	95.4
p1 Cal 6-250ng	6	✓	250.0	247.6	99.1
p1 Cal 7-500ng	7	✓	500.0	535.0	107.0
p1 Cal 8-1000ng	8	✓	1000.0	1093.7	109.4

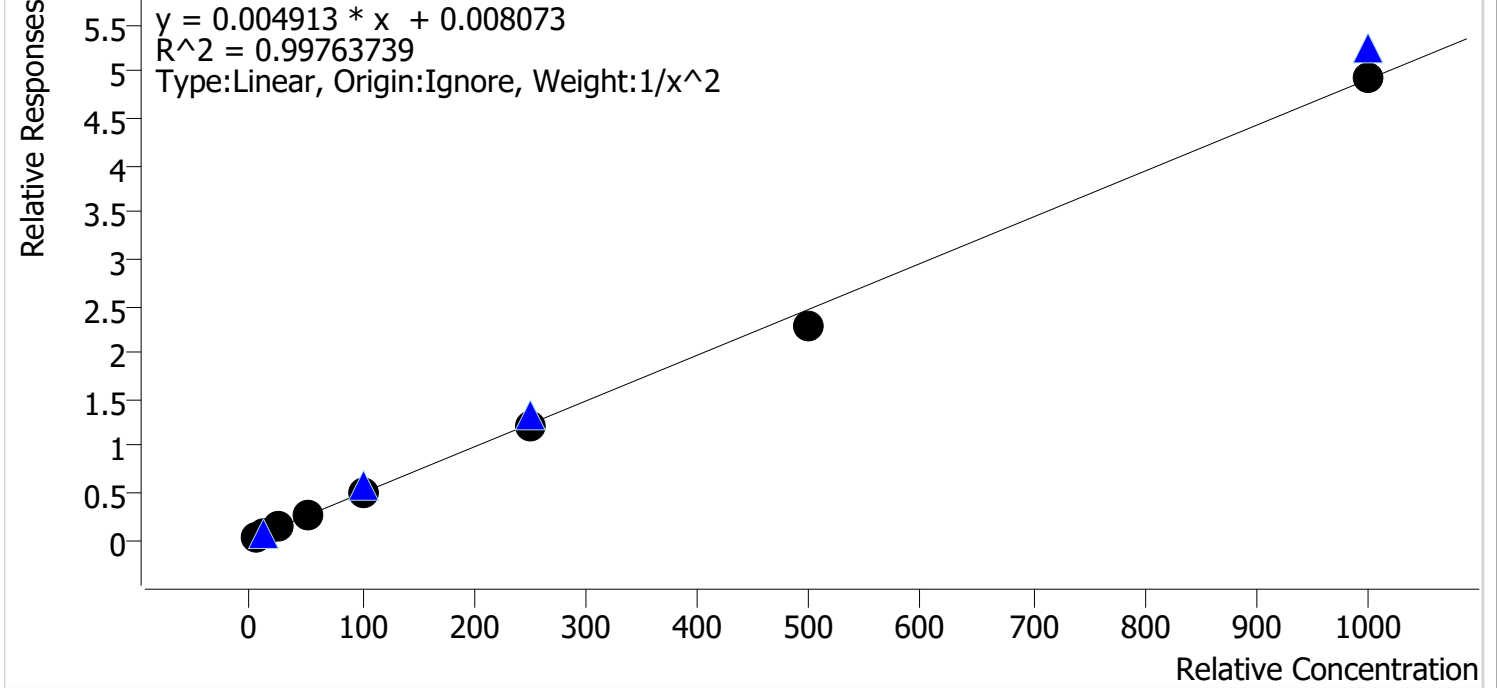
AK SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 7/26/2021 7:03 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	4.8	96.0
p1 Cal 2-10ng	2	✓	10.0	10.7	106.9
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.6
p1 Cal 4-50ng	4	✓	50.0	51.6	103.2
p1 Cal 5-100ng	5	✓	100.0	99.3	99.3
p1 Cal 6-250ng	6	✓	250.0	249.4	99.7
p1 Cal 7-500ng	7	✓	500.0	465.4	93.1
p1 Cal 8-1000ng	8	✓	1000.0	1002.4	100.2

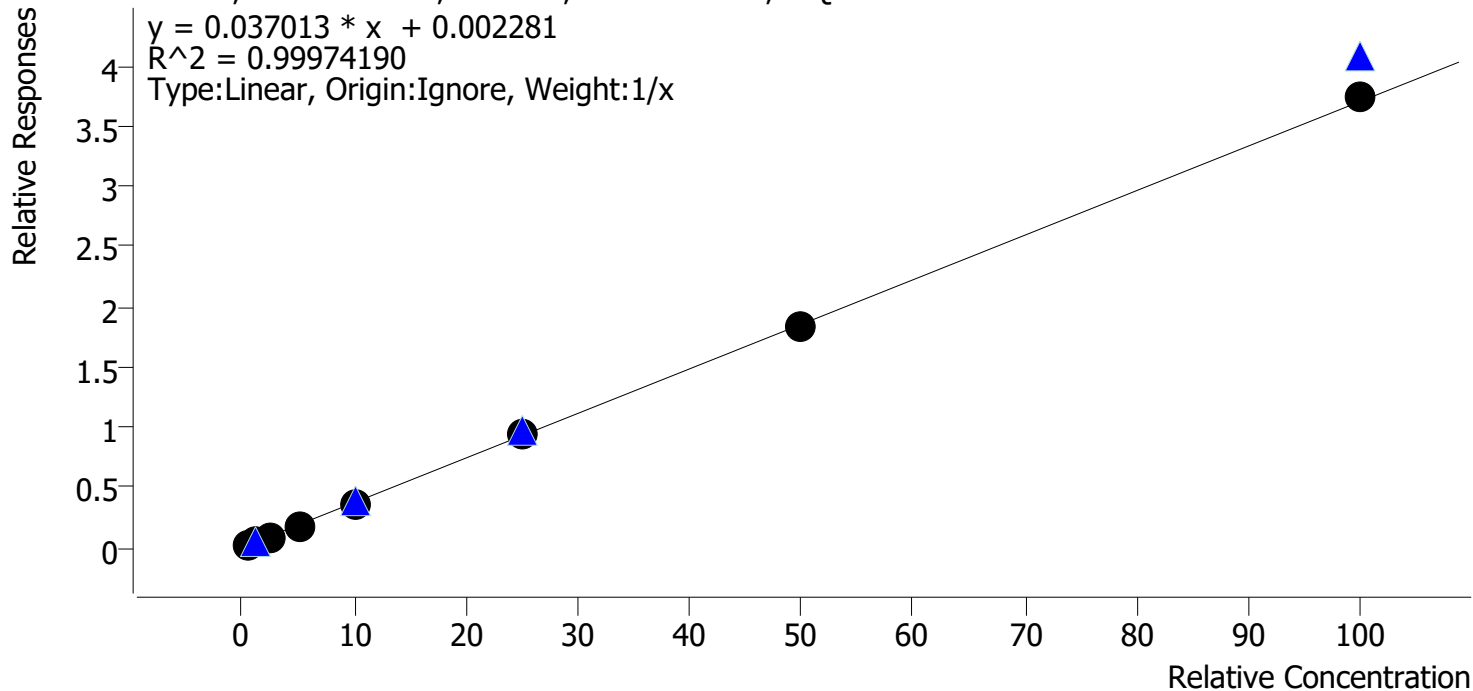
AK SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 7/26/2021 7:03 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	109.5
p1 Cal 2-10ng	2	✓	1.0	1.0	103.3
p1 Cal 3 -25ng	3	✓	2.5	2.4	94.3
p1 Cal 4-50ng	4	✓	5.0	4.8	96.2
p1 Cal 5-100ng	5	✓	10.0	9.6	96.0
p1 Cal 6-250ng	6	✓	25.0	25.1	100.5
p1 Cal 7-500ng	7	✓	50.0	49.7	99.5
p1 Cal 8-1000ng	8	✓	100.0	100.8	100.8

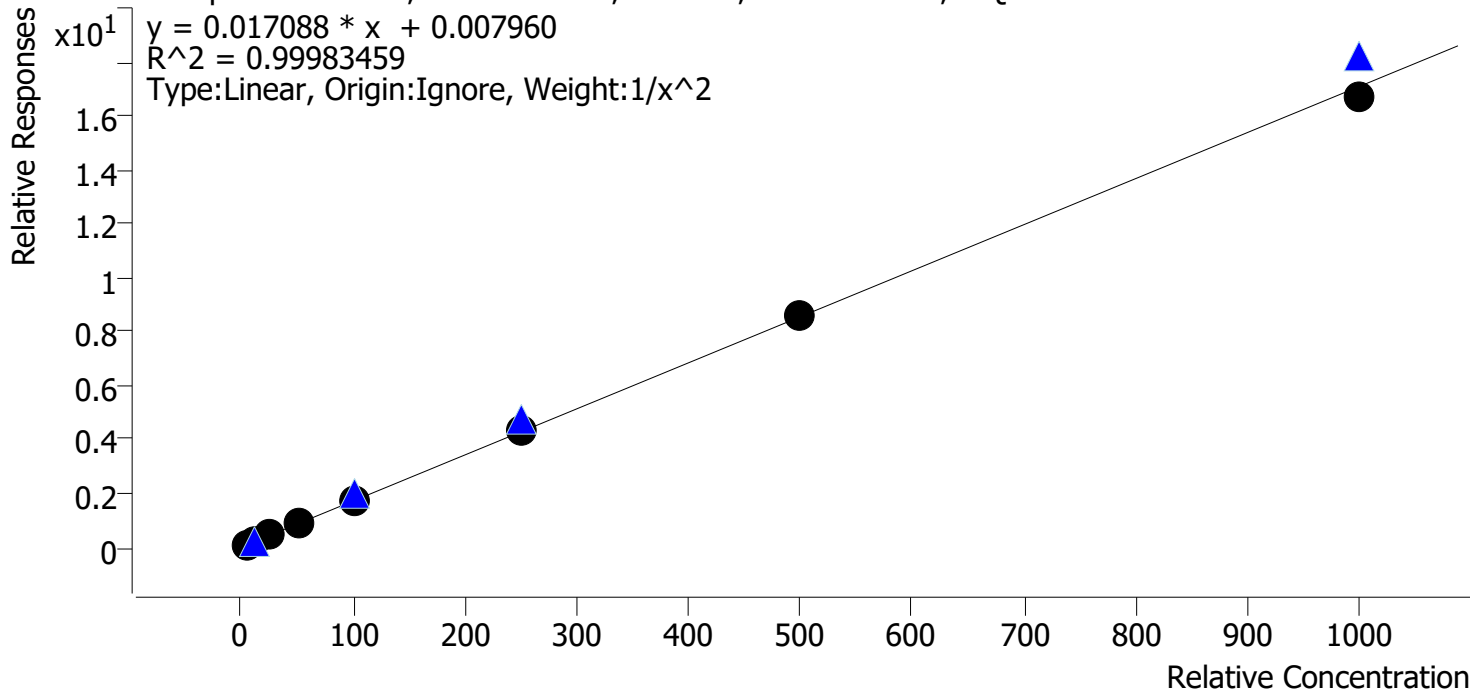
AK SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 7/26/2021 7:03 AM
Analyst Name ISP\datastor
Analyte 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.0
p1 Cal 2-10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.8
p1 Cal 4-50ng	4	✓	50.0	49.6	99.1
p1 Cal 5-100ng	5	✓	100.0	99.5	99.5
p1 Cal 6-250ng	6	✓	250.0	254.2	101.7
p1 Cal 7-500ng	7	✓	500.0	504.6	100.9
p1 Cal 8-1000ng	8	✓	1000.0	981.3	98.1

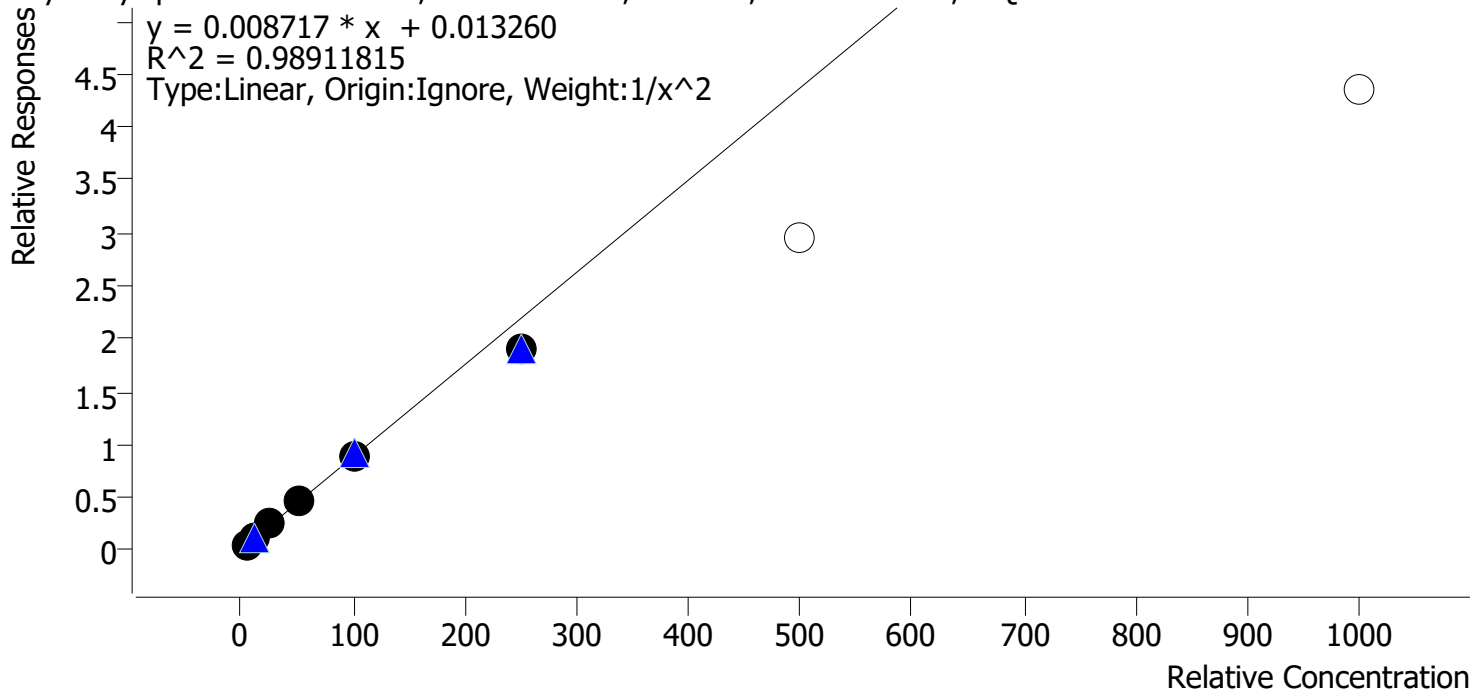
AK SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 7/26/2021 7:03 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	4.7	93.7
p1 Cal 2-10ng	2	✓	10.0	11.0	110.5
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.9
p1 Cal 4-50ng	4	✓	50.0	51.6	103.3
p1 Cal 5-100ng	5	✓	100.0	101.0	101.0
p1 Cal 6-250ng	6	✓	250.0	216.6	86.6
p1 Cal 7-500ng	7	x	500.0	336.6	67.3
p1 Cal 8-1000ng	8	x	1000.0	498.7	49.9

Calibrators 7 and 8 dropped due to not meeting accuracy requirement

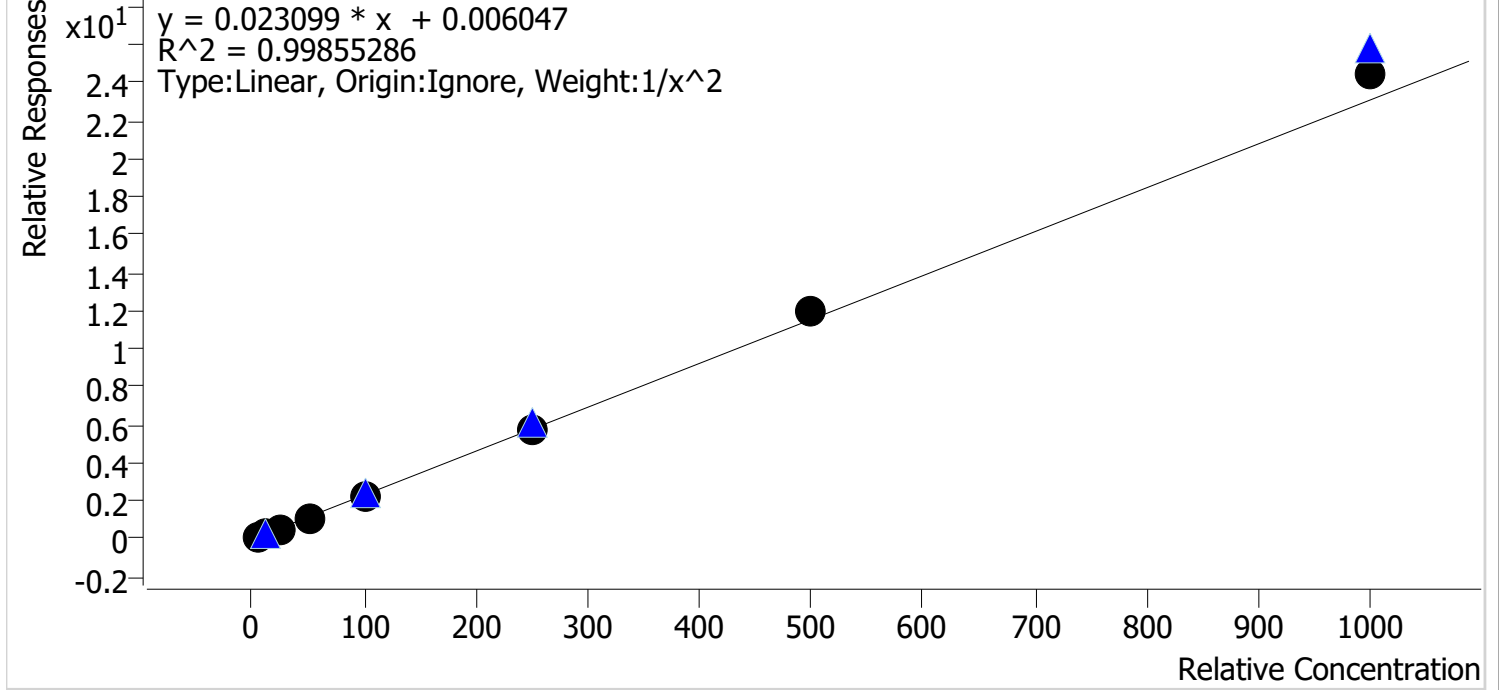
AK SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 7/26/2021 7:03 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	5.1	101.6
p1 Cal 2-10ng	2	✓	10.0	9.9	98.9
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.8
p1 Cal 4-50ng	4	✓	50.0	48.4	96.8
p1 Cal 5-100ng	5	✓	100.0	97.6	97.6
p1 Cal 6-250ng	6	✓	250.0	248.3	99.3
p1 Cal 7-500ng	7	✓	500.0	515.3	103.1
p1 Cal 8-1000ng	8	✓	1000.0	1060.1	106.0

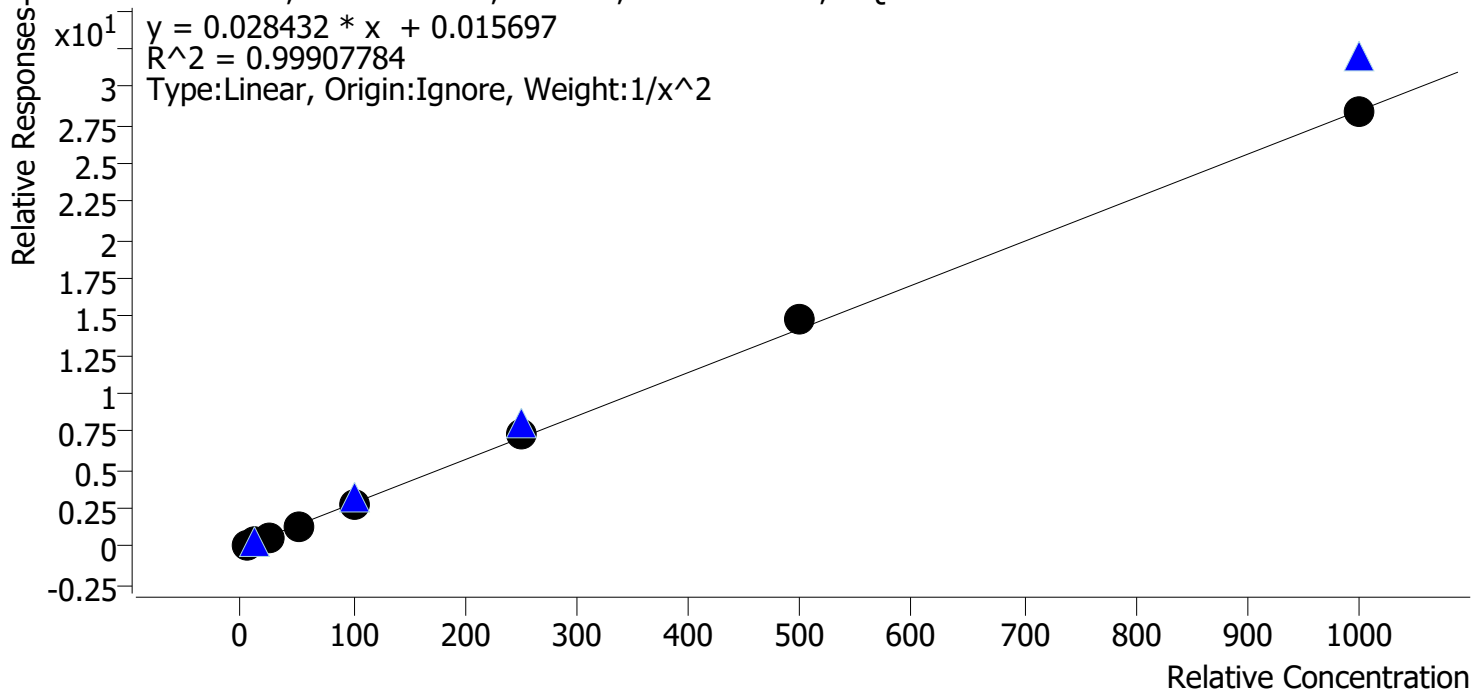
AK SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 7/26/2021 7:03 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	5.1	102.0
p1 Cal 2-10ng	2	✓	10.0	9.7	97.2
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.4
p1 Cal 4-50ng	4	✓	50.0	48.5	97.1
p1 Cal 5-100ng	5	✓	100.0	98.6	98.6
p1 Cal 6-250ng	6	✓	250.0	255.8	102.3
p1 Cal 7-500ng	7	✓	500.0	521.2	104.2
p1 Cal 8-1000ng	8	✓	1000.0	1002.1	100.2

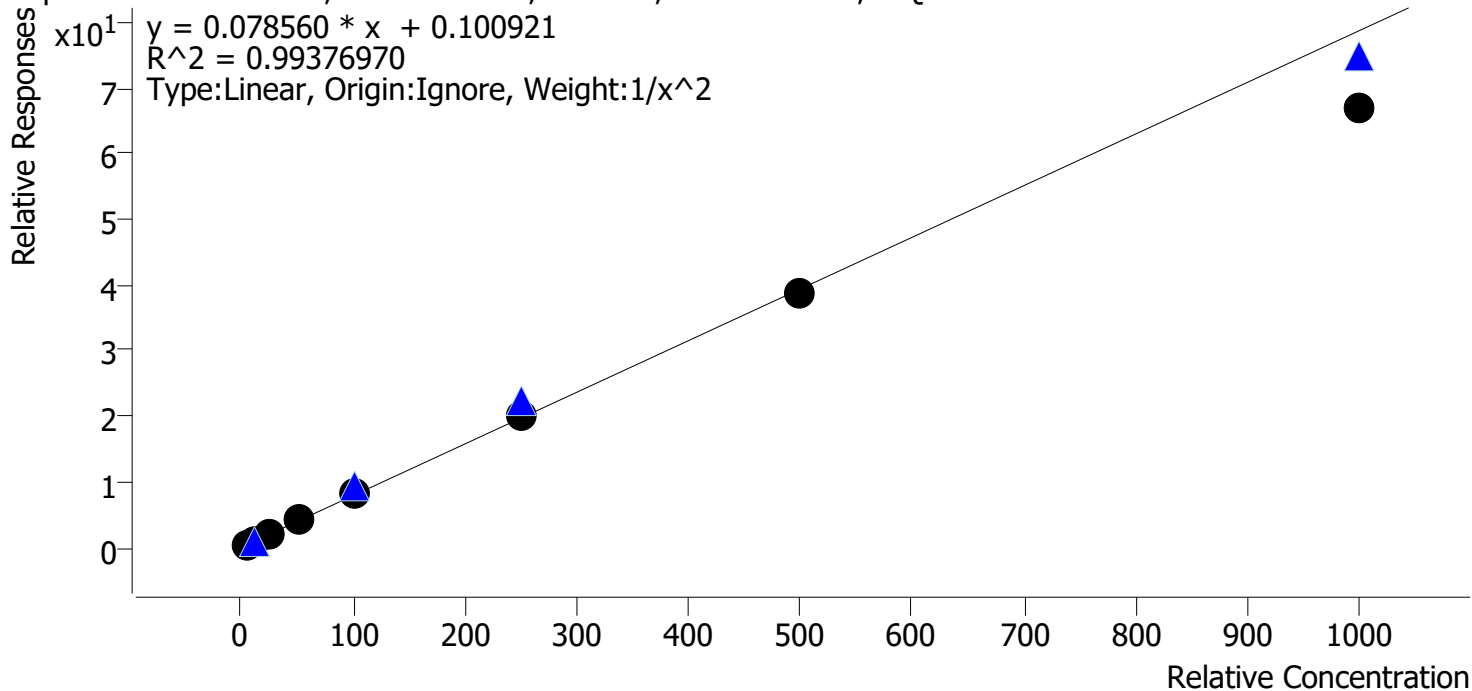
AK SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 7/26/2021 7:03 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	97.1
p1 Cal 2-10ng	2	✓	10.0	10.2	102.2
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.9
p1 Cal 4-50ng	4	✓	50.0	52.6	105.2
p1 Cal 5-100ng	5	✓	100.0	106.4	106.4
p1 Cal 6-250ng	6	✓	250.0	252.2	100.9
p1 Cal 7-500ng	7	✓	500.0	489.9	98.0
p1 Cal 8-1000ng	8	✓	1000.0	851.8	85.2

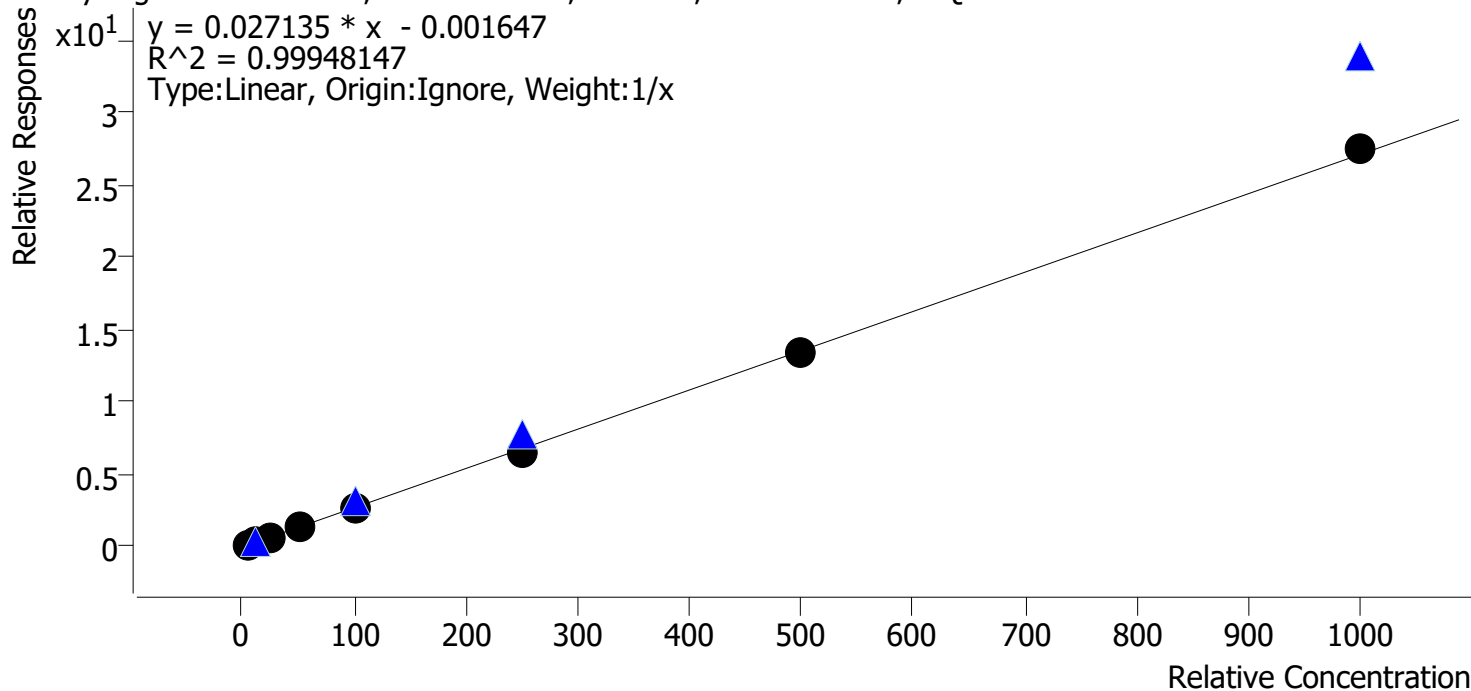
AK SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 7/26/2021 7:03 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	5.7	114.6
p1 Cal 2-10ng	2	✓	10.0	10.2	101.7
p1 Cal 3 -25ng	3	✓	25.0	23.2	92.8
p1 Cal 4-50ng	4	✓	50.0	47.8	95.6
p1 Cal 5-100ng	5	✓	100.0	97.1	97.1
p1 Cal 6-250ng	6	✓	250.0	244.0	97.6
p1 Cal 7-500ng	7	✓	500.0	494.8	99.0
p1 Cal 8-1000ng	8	✓	1000.0	1017.2	101.7

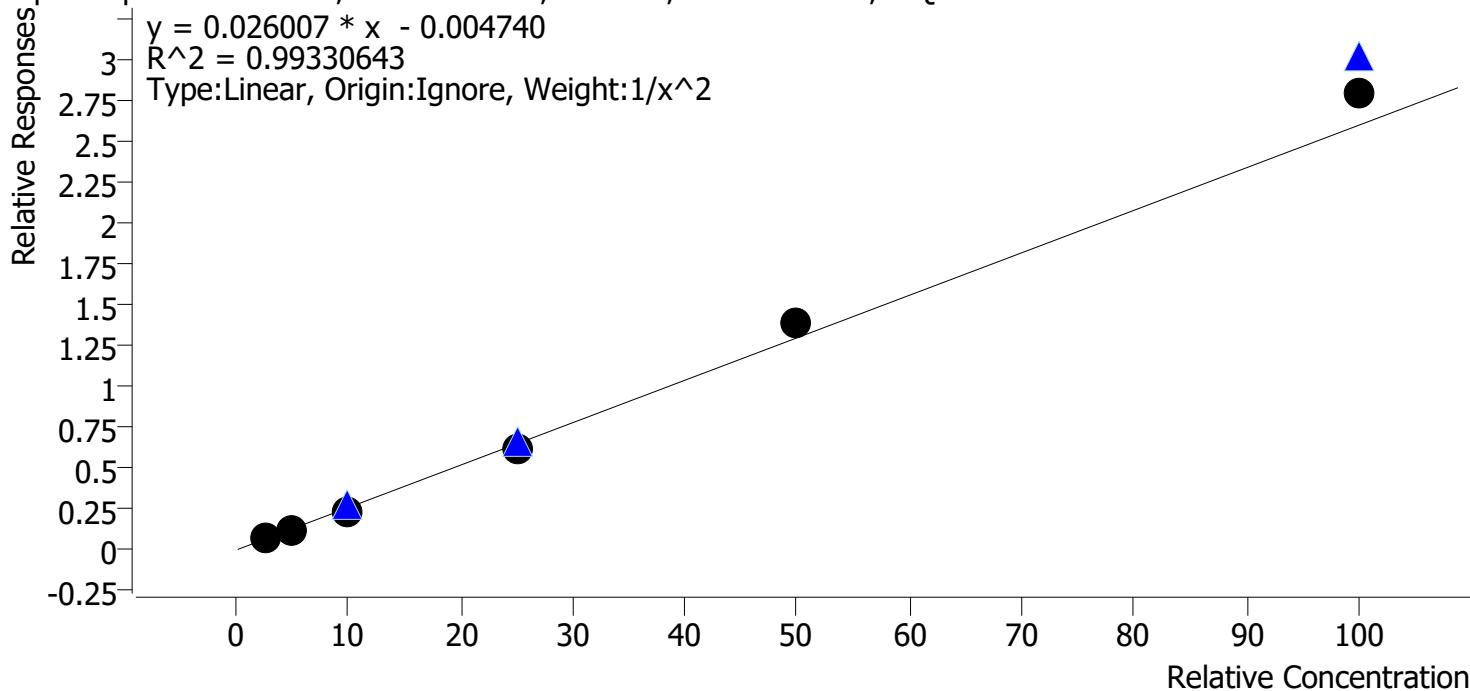
AK SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 7/26/2021 7:03 AM
Analyst Name ISP\datastor
Analyte Buprenorphine **Internal Standard** Buprenorphine-D4

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 3 -25ng	3	✓	2.5	2.6	103.2
p1 Cal 4-50ng	4	✓	5.0	4.9	98.1
p1 Cal 5-100ng	5	✓	10.0	9.2	91.7
p1 Cal 6-250ng	6	✓	25.0	23.4	93.6
p1 Cal 7-500ng	7	✓	50.0	53.1	106.3
p1 Cal 8-1000ng	8	✓	100.0	107.2	107.2

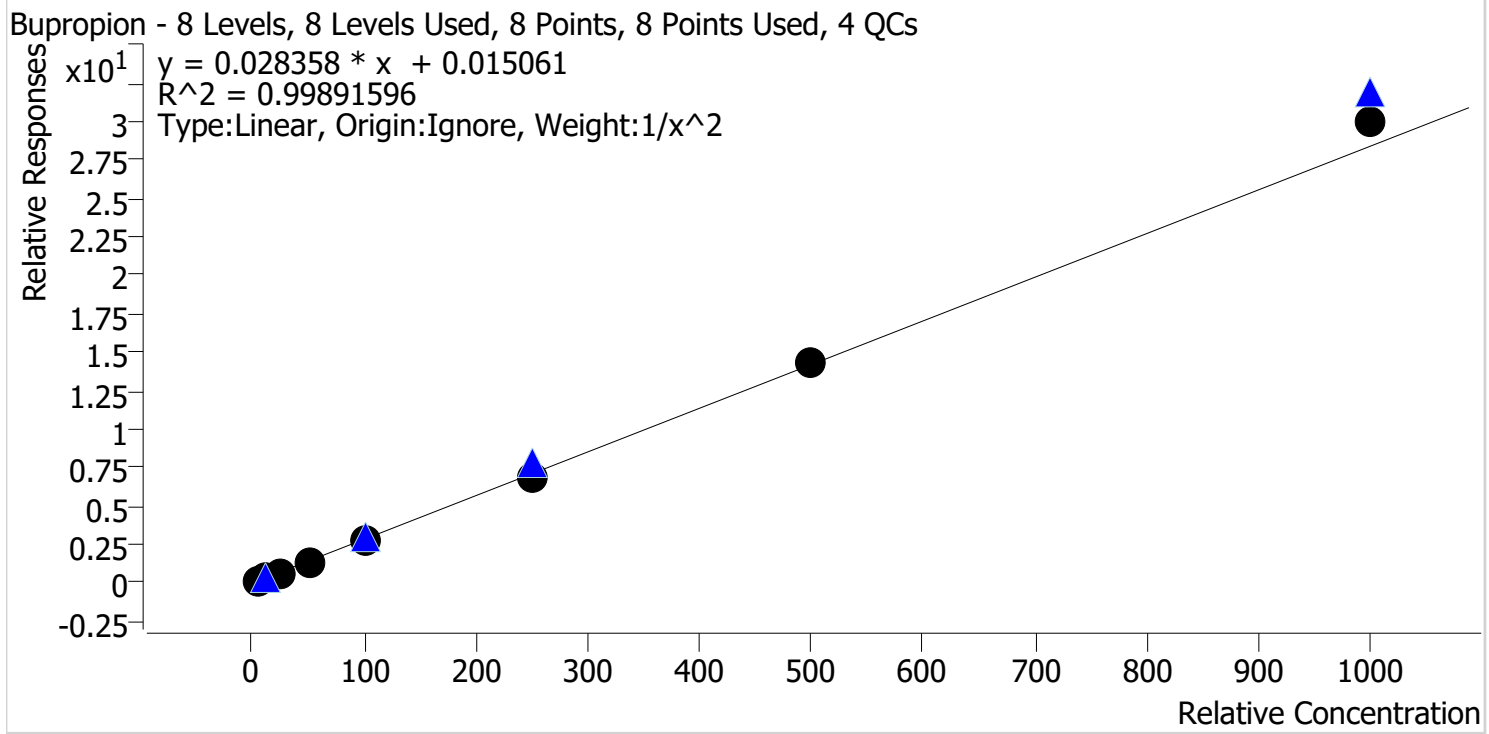
Calibrators 1 and 2 dropped due to peak shape

AK SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 7/26/2021 7:03 AM
Analyst Name ISP\datastor
Analyte Bupropion **Internal Standard** Bupropion-D9



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.3
p1 Cal 2-10ng	2	✓	10.0	9.6	96.1
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.5
p1 Cal 4-50ng	4	✓	50.0	49.9	99.9
p1 Cal 5-100ng	5	✓	100.0	98.8	98.8
p1 Cal 6-250ng	6	✓	250.0	245.2	98.1
p1 Cal 7-500ng	7	✓	500.0	505.3	101.1
p1 Cal 8-1000ng	8	✓	1000.0	1052.8	105.3

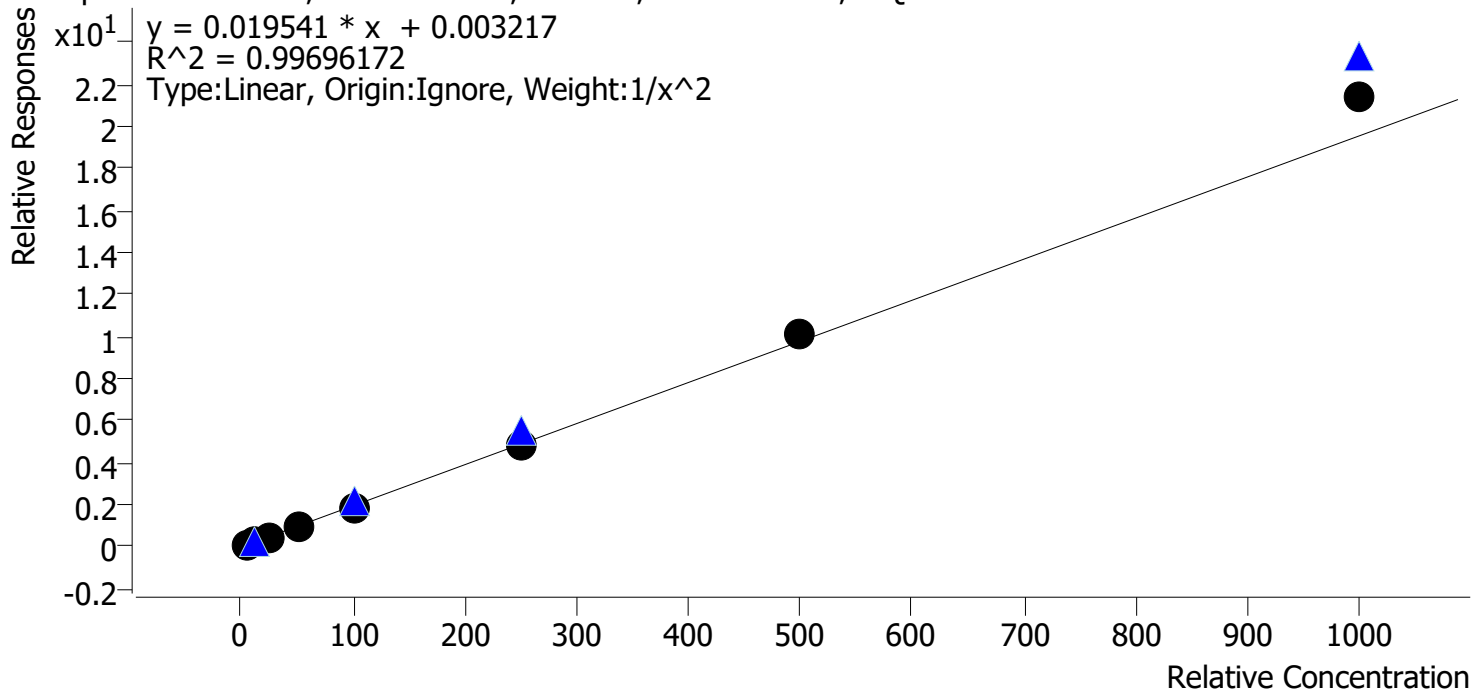
AK SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 7/26/2021 7:03 AM
Analyst Name ISP\datastor
Analyte Carisoprodol **Internal Standard** Carisoprodol-D7

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



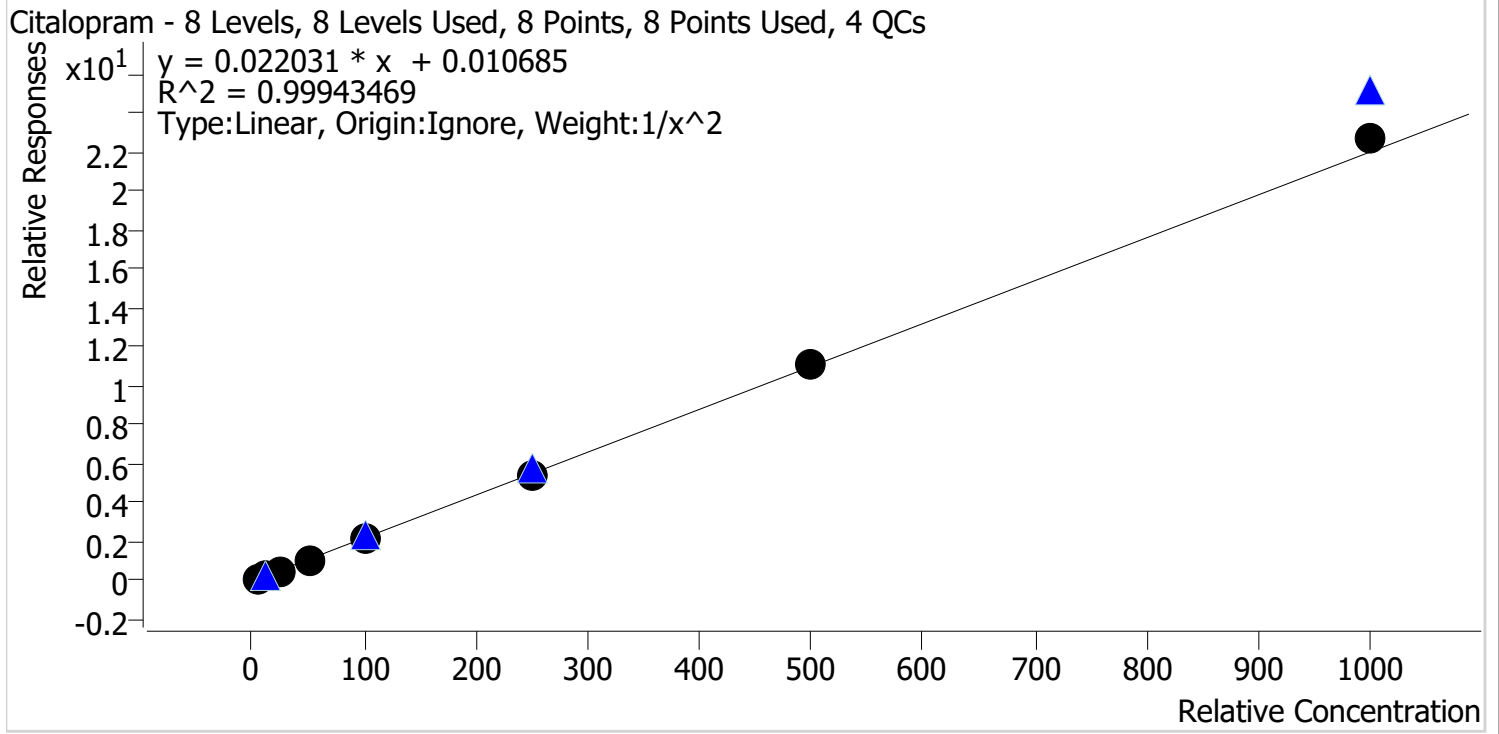
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.4
p1 Cal 2-10ng	2	✓	10.0	9.8	98.2
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.4
p1 Cal 4-50ng	4	✓	50.0	47.5	95.0
p1 Cal 5-100ng	5	✓	100.0	97.7	97.7
p1 Cal 6-250ng	6	✓	250.0	246.9	98.8
p1 Cal 7-500ng	7	✓	500.0	515.3	103.1
p1 Cal 8-1000ng	8	✓	1000.0	1094.7	109.5

AK SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 7/26/2021 7:03 AM
Analyst Name ISP\datastor
Analyte Citalopram **Internal Standard** Citalopram-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.5
p1 Cal 2-10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.8
p1 Cal 4-50ng	4	✓	50.0	50.0	100.0
p1 Cal 5-100ng	5	✓	100.0	99.6	99.6
p1 Cal 6-250ng	6	✓	250.0	248.6	99.4
p1 Cal 7-500ng	7	✓	500.0	504.1	100.8
p1 Cal 8-1000ng	8	✓	1000.0	1031.8	103.2

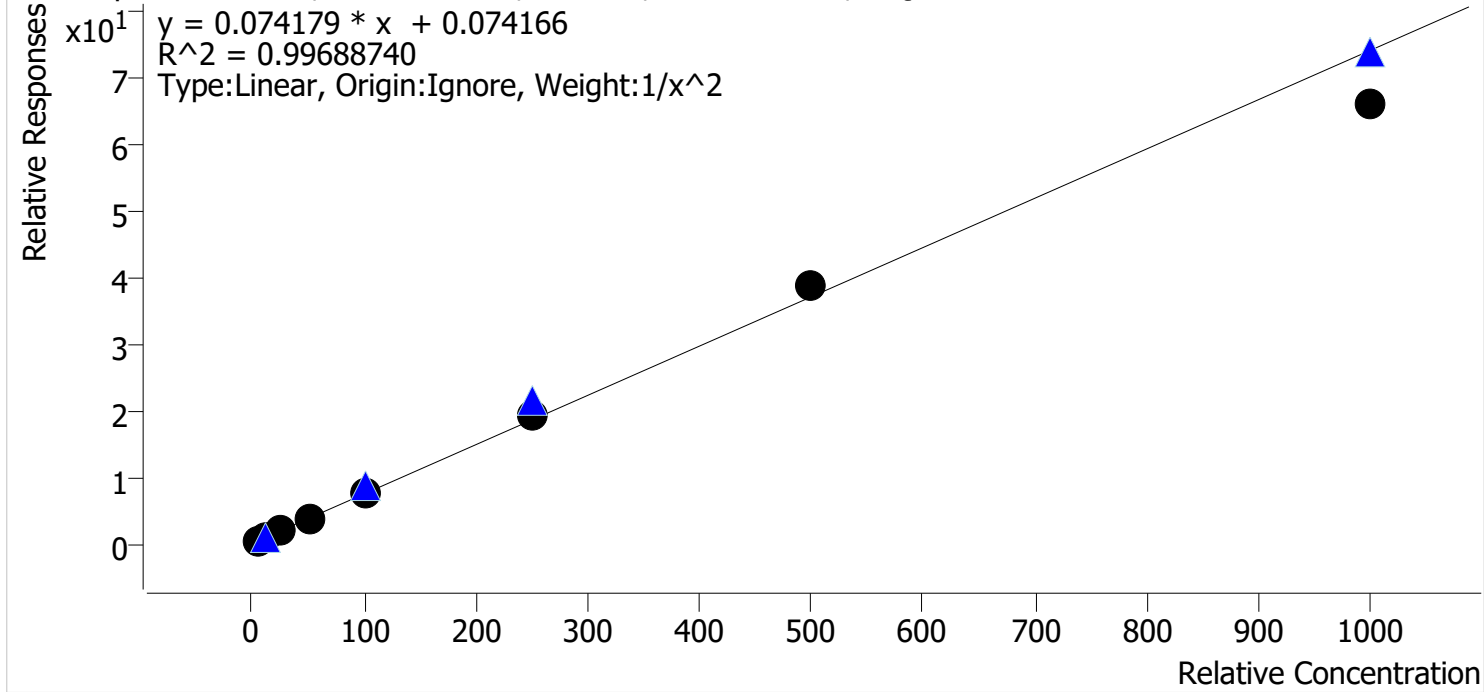
AK SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 7/26/2021 7:03 AM
Analyst Name ISP\datastor
Analyte Clonazepam **Internal Standard** Clonazepam-D4

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.8
p1 Cal 2-10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.6
p1 Cal 4-50ng	4	✓	50.0	51.8	103.6
p1 Cal 5-100ng	5	✓	100.0	102.3	102.3
p1 Cal 6-250ng	6	✓	250.0	255.9	102.4
p1 Cal 7-500ng	7	✓	500.0	521.5	104.3
p1 Cal 8-1000ng	8	✓	1000.0	890.5	89.0

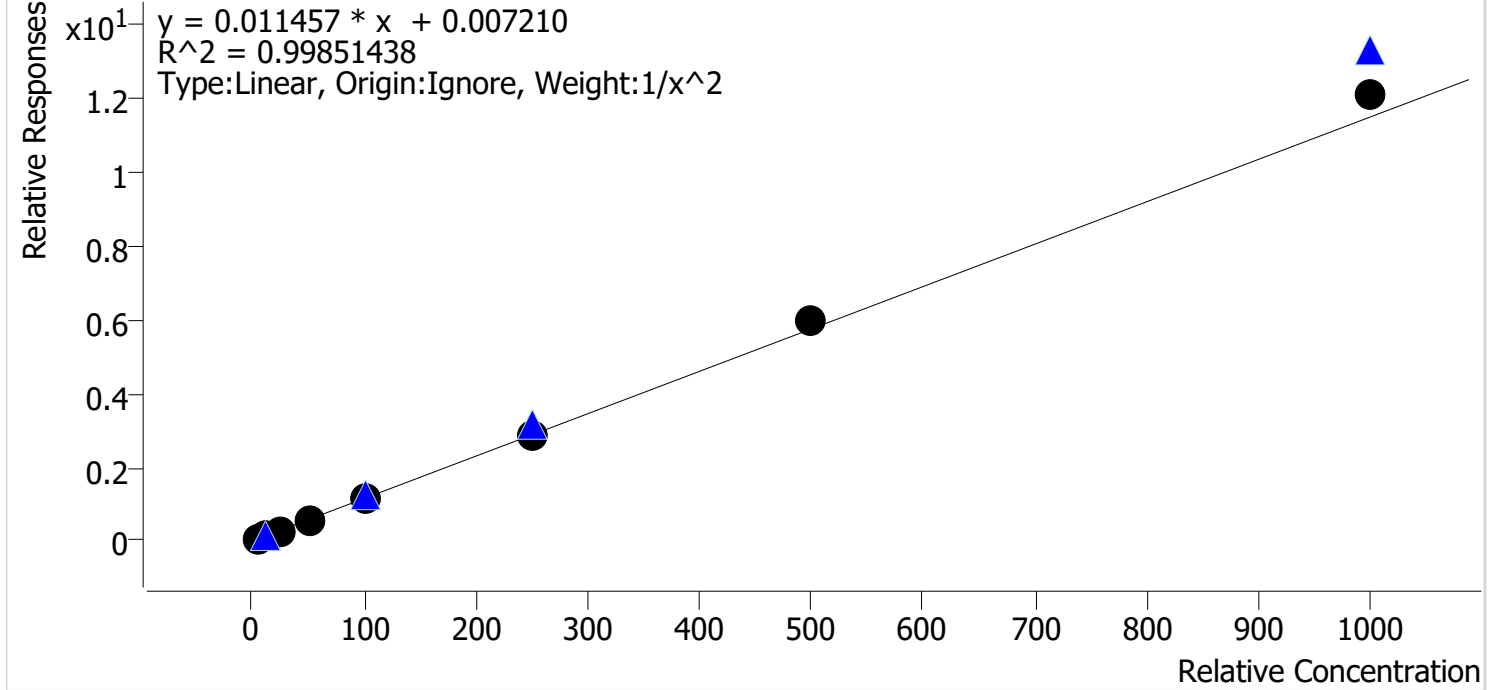
AK SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 7/26/2021 7:03 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	5.1	101.9
p1 Cal 2-10ng	2	✓	10.0	9.8	98.4
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.3
p1 Cal 4-50ng	4	✓	50.0	48.3	96.6
p1 Cal 5-100ng	5	✓	100.0	98.8	98.8
p1 Cal 6-250ng	6	✓	250.0	247.0	98.8
p1 Cal 7-500ng	7	✓	500.0	519.2	103.8
p1 Cal 8-1000ng	8	✓	1000.0	1053.8	105.4

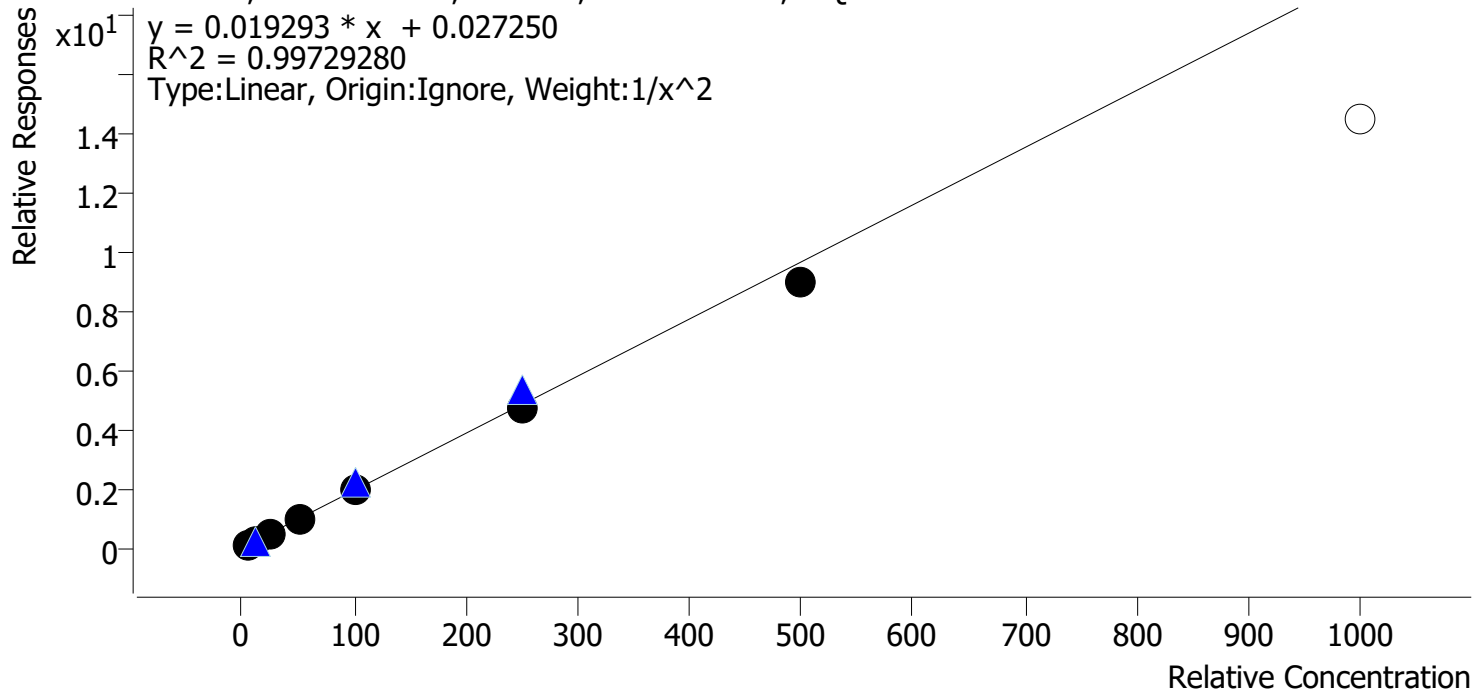
AK SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 7/26/2021 7:03 AM
Analyst Name ISP\datastor
Analyte Codeine **Internal Standard** Codeine-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.5
p1 Cal 2-10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.7
p1 Cal 4-50ng	4	✓	50.0	52.0	103.9
p1 Cal 5-100ng	5	✓	100.0	102.1	102.1
p1 Cal 6-250ng	6	✓	250.0	242.4	96.9
p1 Cal 7-500ng	7	✓	500.0	463.9	92.8
p1 Cal 8-1000ng	8	x	1000.0	753.1	75.3

Calibrator 8 dropped due to not meeting accuracy requirement

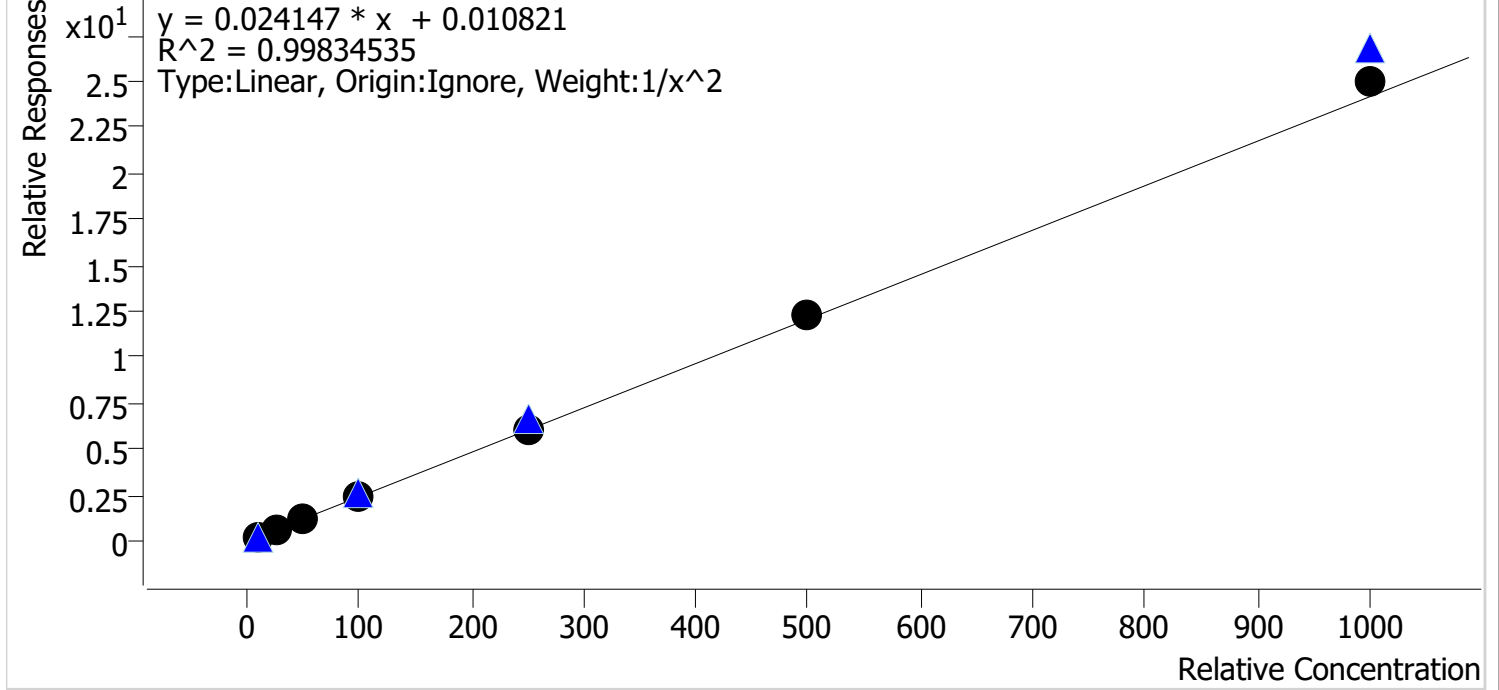
AK SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 7/26/2021 7:03 AM
Analyst Name ISP\datastor
Analyte Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 2-10ng	2	✓	10.0	10.3	102.6
p1 Cal 3 -25ng	3	✓	25.0	23.4	93.7
p1 Cal 4-50ng	4	✓	50.0	50.2	100.4
p1 Cal 5-100ng	5	✓	100.0	98.3	98.3
p1 Cal 6-250ng	6	✓	250.0	246.6	98.6
p1 Cal 7-500ng	7	✓	500.0	513.0	102.6
p1 Cal 8-1000ng	8	✓	1000.0	1038.0	103.8

Calibrator 1 dropped due to peak shape

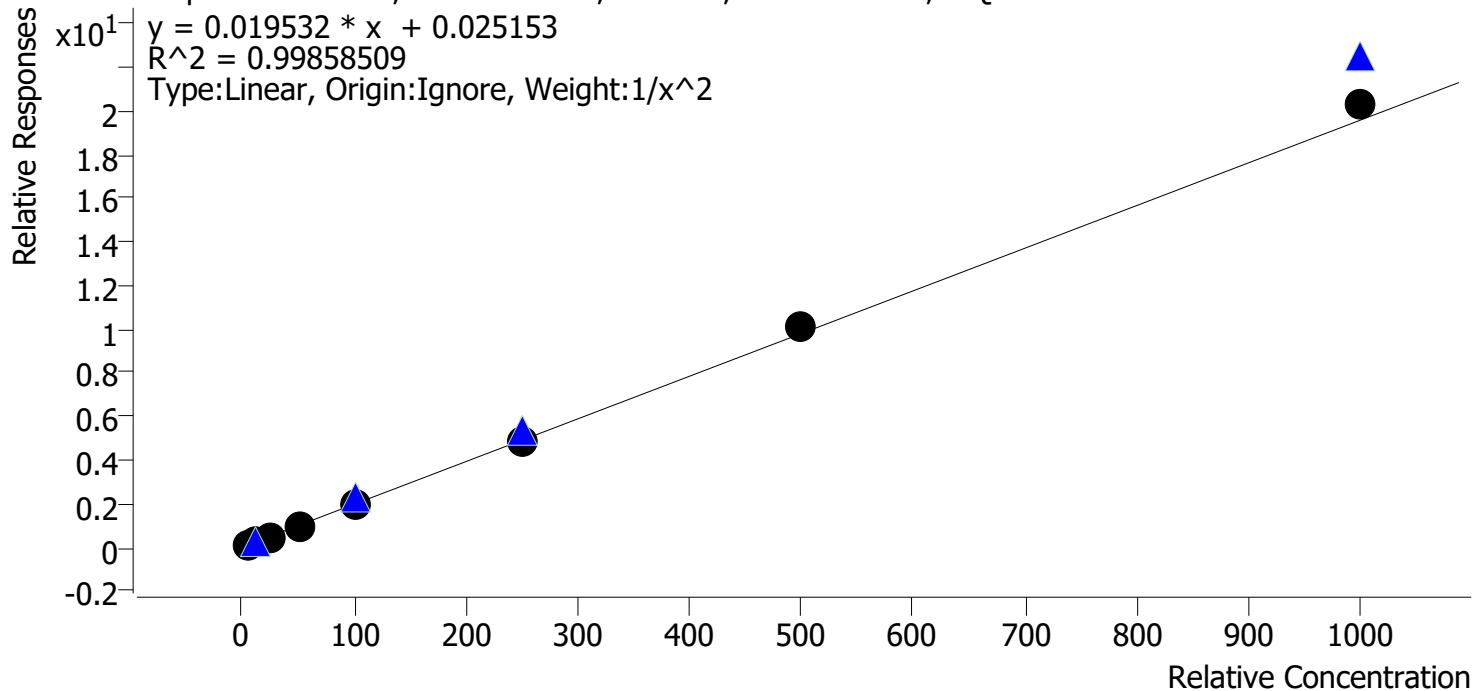
AK SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 7/26/2021 7:03 AM
Analyst Name ISP\datastor
Analyte Dextromethorphan **Internal Standard** Dextromethorphan-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.3
p1 Cal 2-10ng	2	✓	10.0	9.8	98.0
p1 Cal 3 -25ng	3	✓	25.0	23.4	93.5
p1 Cal 4-50ng	4	✓	50.0	49.8	99.6
p1 Cal 5-100ng	5	✓	100.0	100.1	100.1
p1 Cal 6-250ng	6	✓	250.0	249.8	99.9
p1 Cal 7-500ng	7	✓	500.0	512.9	102.6
p1 Cal 8-1000ng	8	✓	1000.0	1040.5	104.1

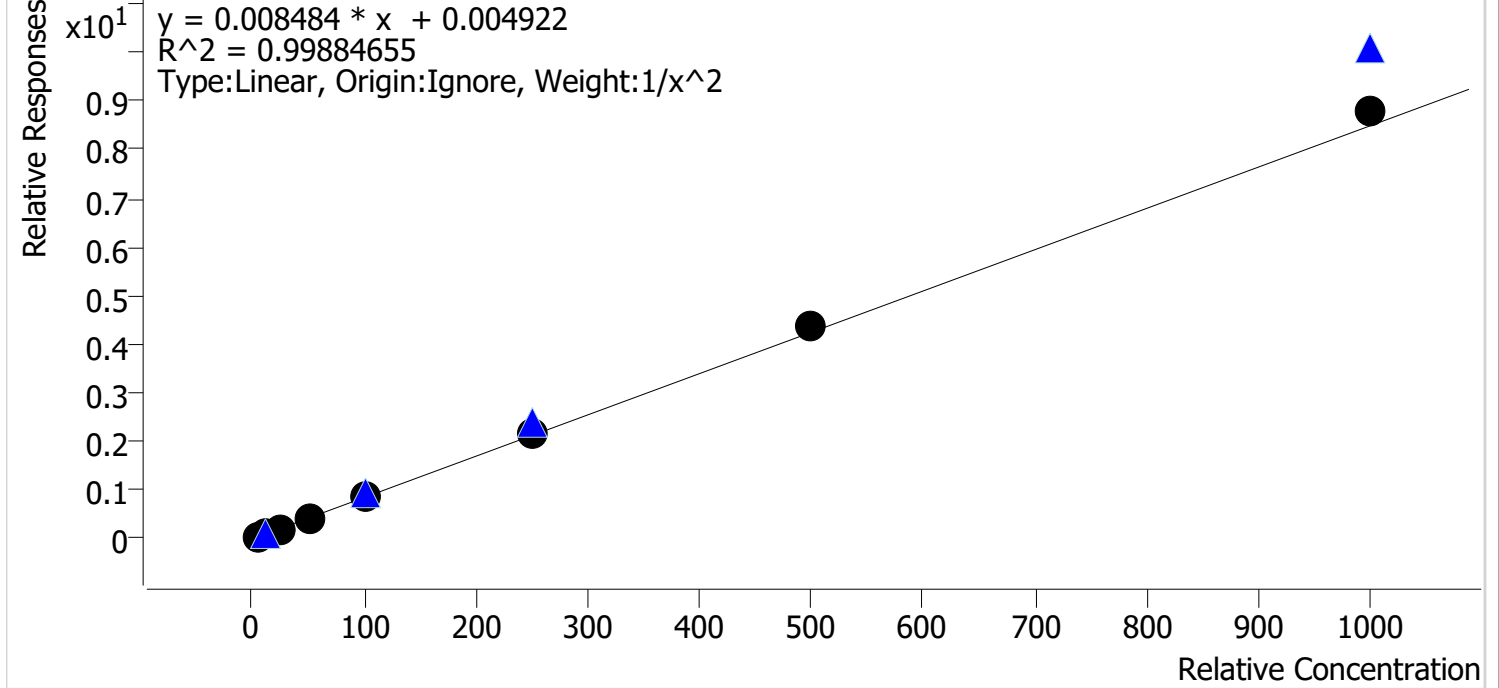
AK SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 7/26/2021 7:03 AM
Analyst Name ISP\datastor
Analyte Dextrorphan **Internal Standard** Dextrorphan-D3

Dextrorphan - 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	100.4
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.9
p1 Cal 4-50ng	4	✓	50.0	48.8	97.6
p1 Cal 5-100ng	5	✓	100.0	98.4	98.4
p1 Cal 6-250ng	6	✓	250.0	251.5	100.6
p1 Cal 7-500ng	7	✓	500.0	514.9	103.0
p1 Cal 8-1000ng	8	✓	1000.0	1040.3	104.0

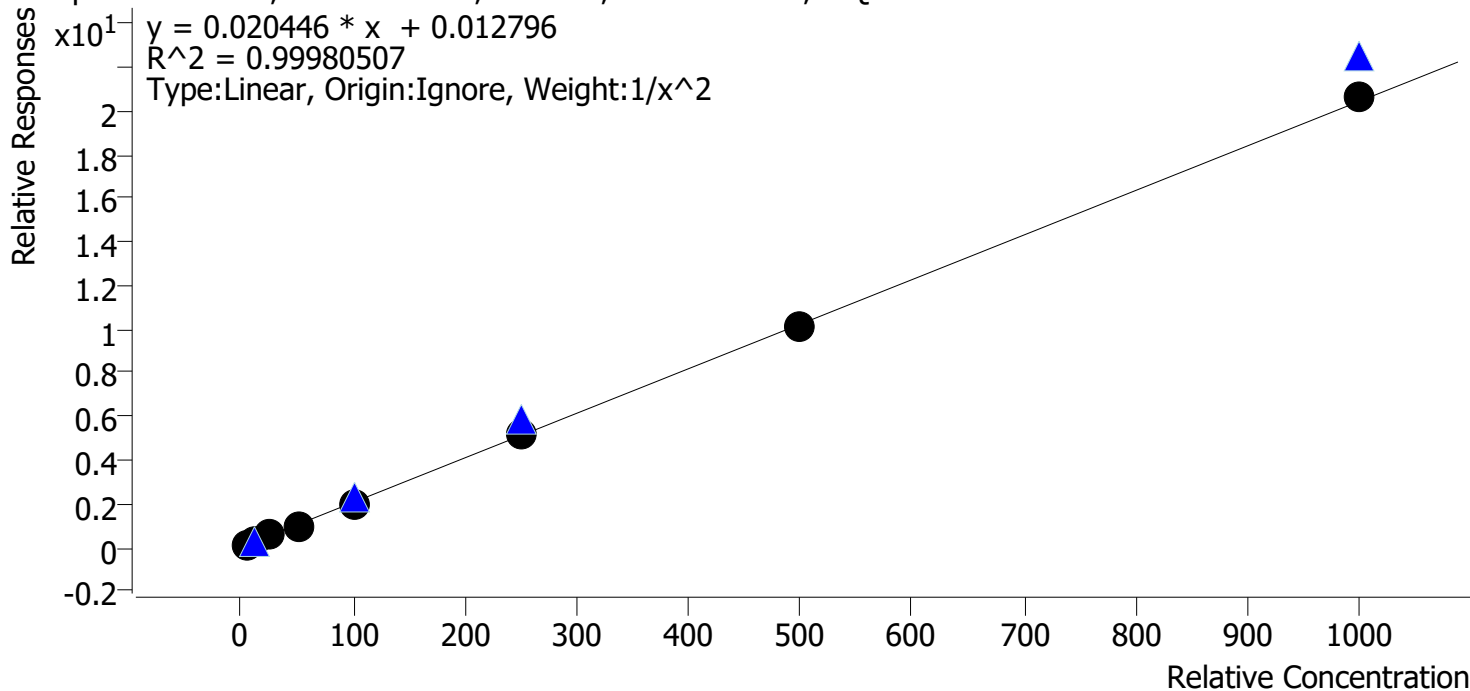
AK SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 7/26/2021 7:03 AM
Analyst Name ISP\datastor
Analyte Diazepam **Internal Standard** Diazepam-D5

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



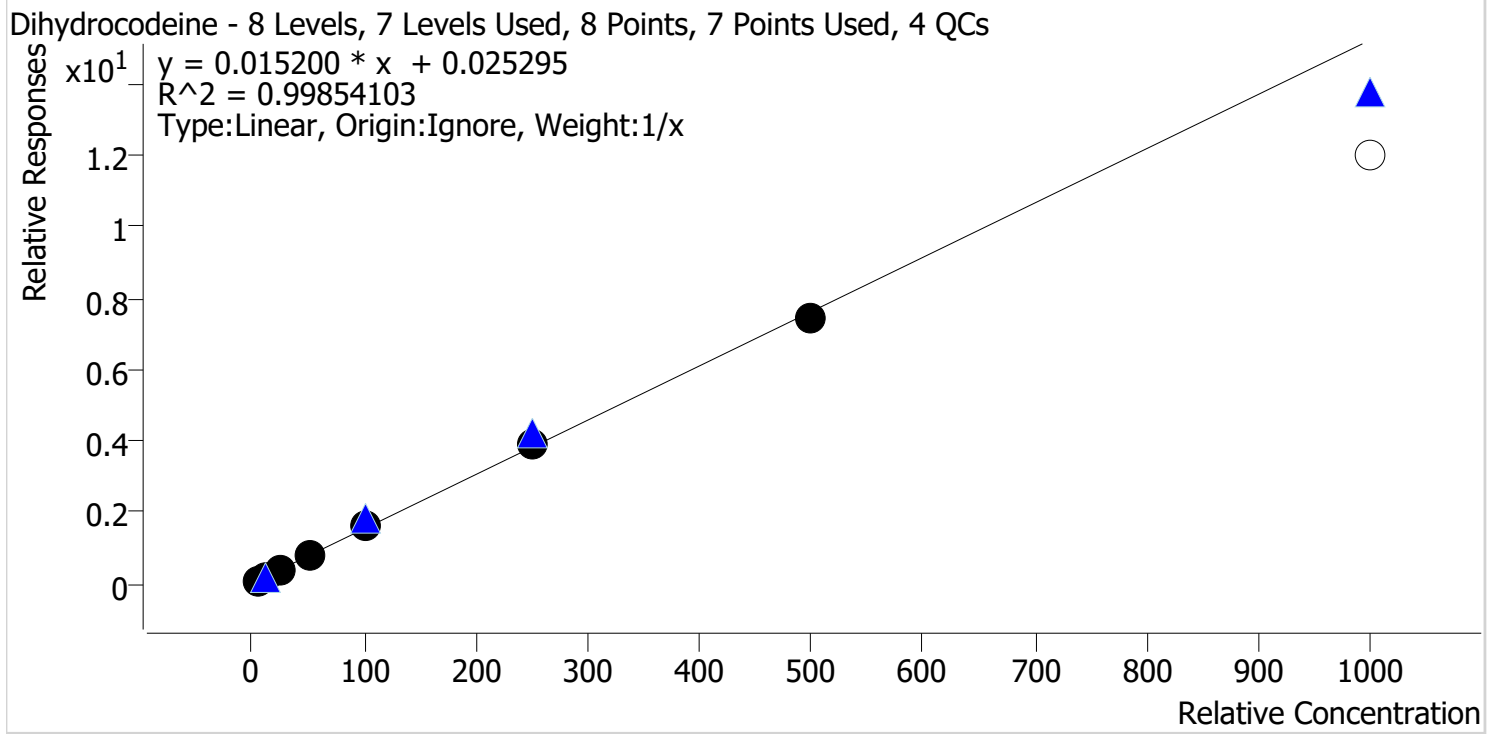
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.5
p1 Cal 2-10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.1
p1 Cal 4-50ng	4	✓	50.0	49.2	98.5
p1 Cal 5-100ng	5	✓	100.0	99.1	99.1
p1 Cal 6-250ng	6	✓	250.0	253.8	101.5
p1 Cal 7-500ng	7	✓	500.0	496.1	99.2
p1 Cal 8-1000ng	8	✓	1000.0	1012.2	101.2

AK SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 7/26/2021 7:03 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	4.3	86.7
p1 Cal 2-10ng	2	✓	10.0	10.1	101.4
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.4
p1 Cal 4-50ng	4	✓	50.0	52.7	105.3
p1 Cal 5-100ng	5	✓	100.0	103.8	103.8
p1 Cal 6-250ng	6	✓	250.0	258.9	103.6
p1 Cal 7-500ng	7	✓	500.0	484.6	96.9
p1 Cal 8-1000ng	8	✗	1000.0	789.7	79.0

Calibrator 8 dropped due to not meeting accuracy requirement

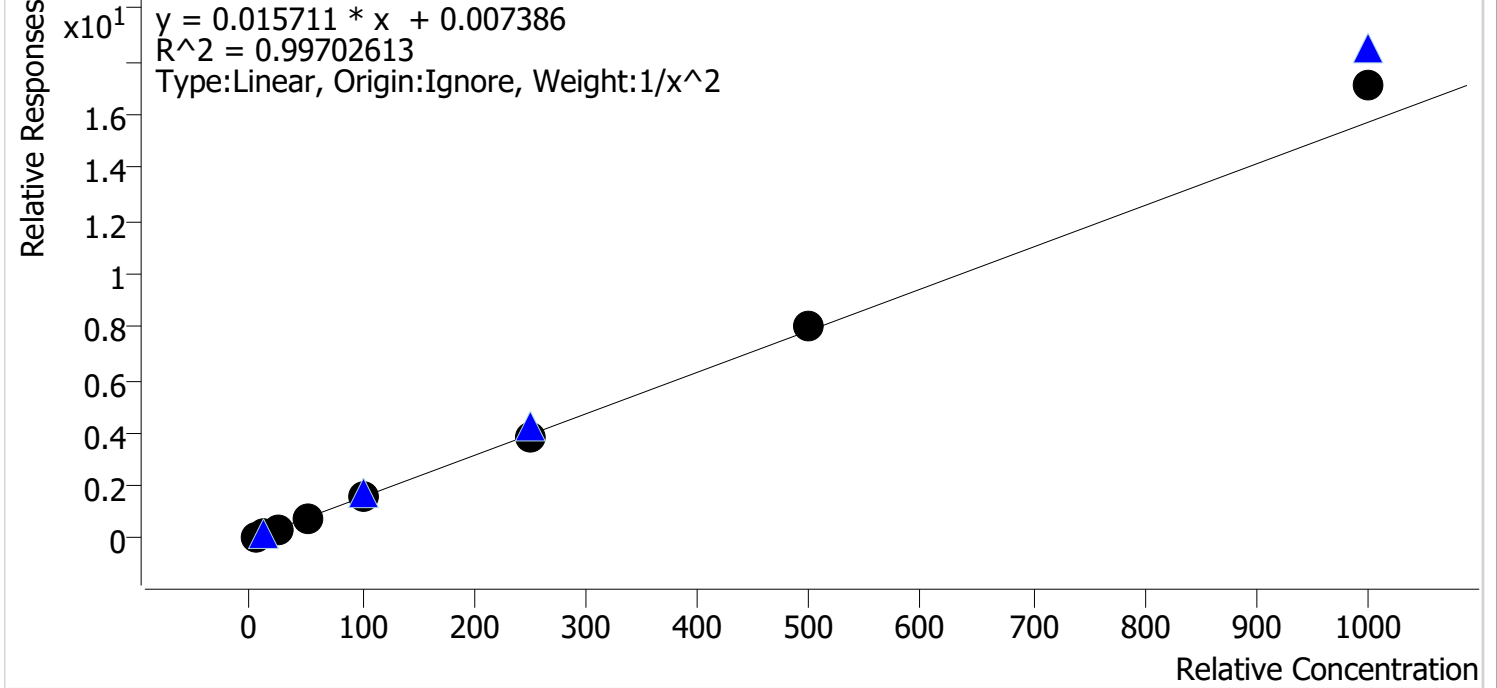
AK SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 7/26/2021 7:03 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	5.2	103.7
p1 Cal 2-10ng	2	✓	10.0	9.4	94.4
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.8
p1 Cal 4-50ng	4	✓	50.0	49.1	98.3
p1 Cal 5-100ng	5	✓	100.0	97.5	97.5
p1 Cal 6-250ng	6	✓	250.0	245.1	98.1
p1 Cal 7-500ng	7	✓	500.0	510.4	102.1
p1 Cal 8-1000ng	8	✓	1000.0	1091.9	109.2

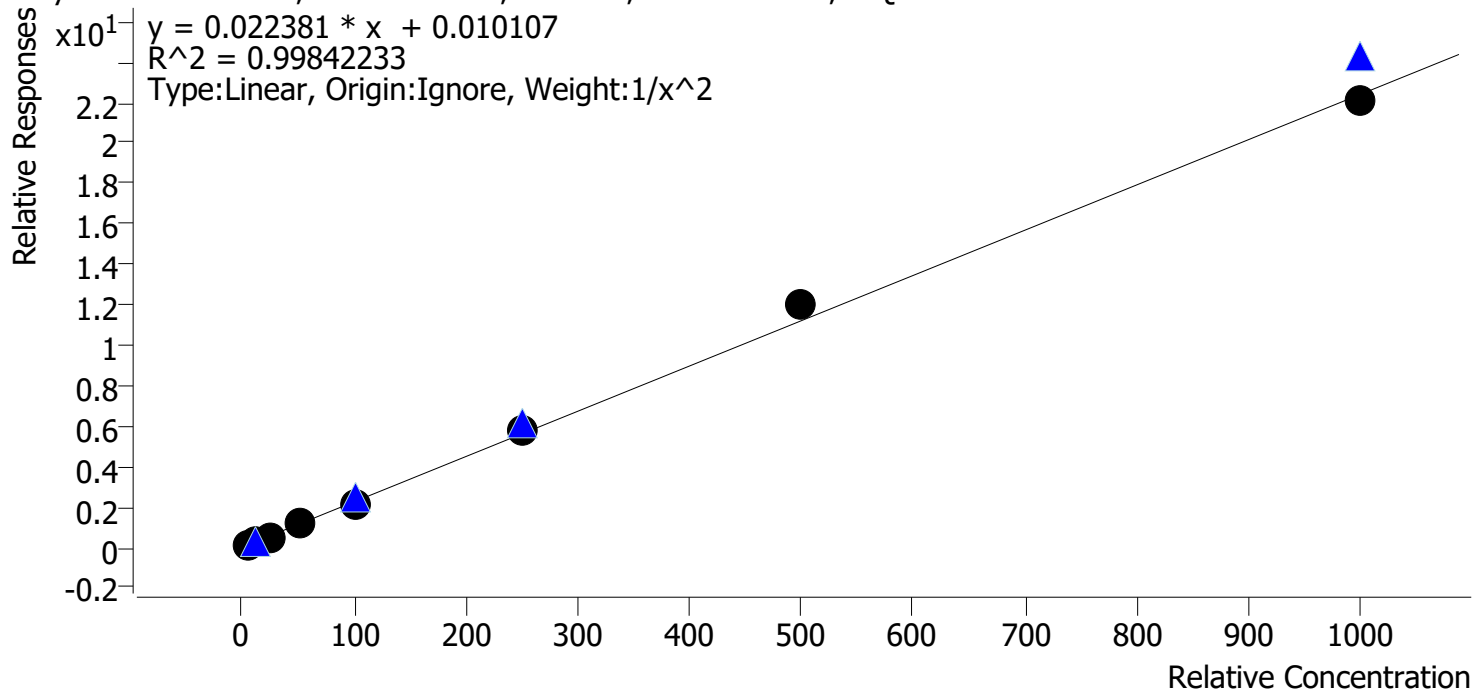
AI SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 7/26/2021 7:03 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	5.1	102.3
p1 Cal 2-10ng	2	✓	10.0	9.7	97.1
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.5
p1 Cal 4-50ng	4	✓	50.0	49.4	98.8
p1 Cal 5-100ng	5	✓	100.0	97.4	97.4
p1 Cal 6-250ng	6	✓	250.0	256.4	102.5
p1 Cal 7-500ng	7	✓	500.0	532.2	106.4
p1 Cal 8-1000ng	8	✓	1000.0	988.7	98.9

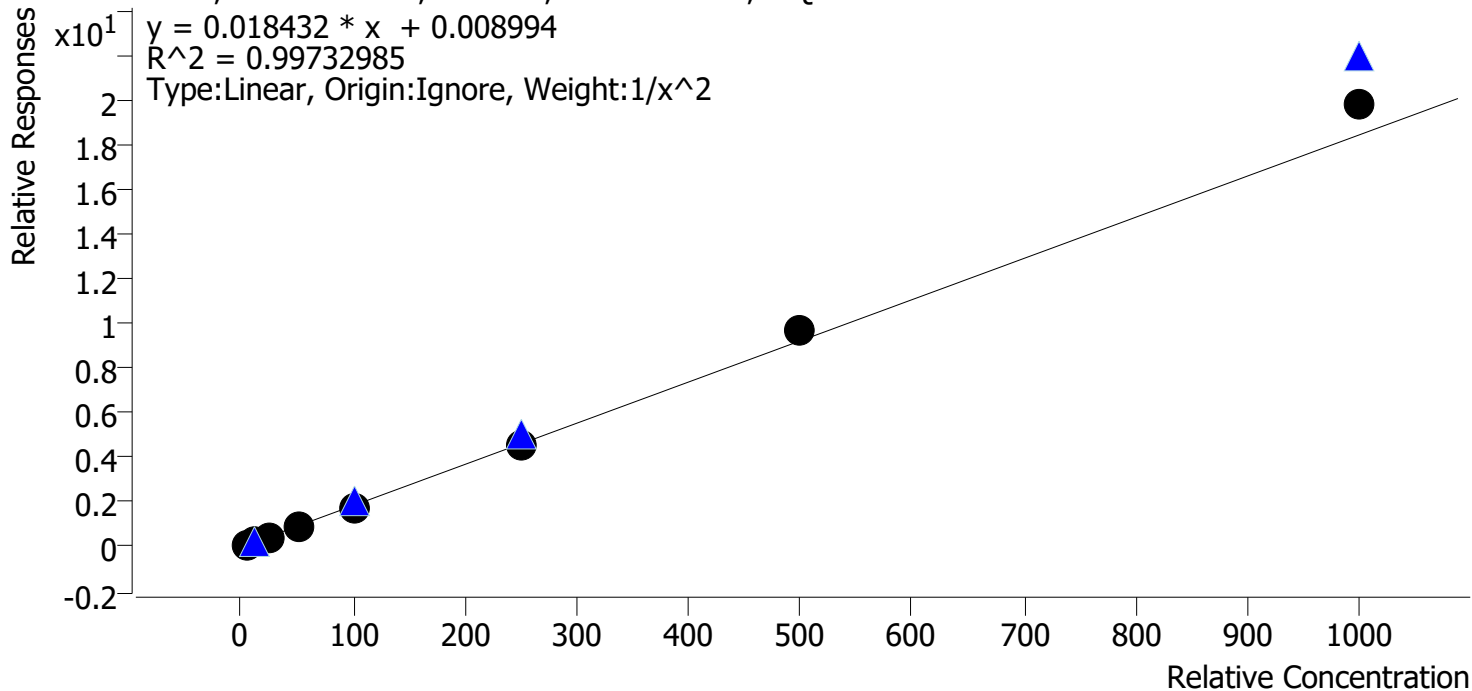
AK SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 7/26/2021 7:03 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	100.6
p1 Cal 2-10ng	2	✓	10.0	10.2	102.0
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.9
p1 Cal 4-50ng	4	✓	50.0	47.8	95.6
p1 Cal 5-100ng	5	✓	100.0	96.3	96.3
p1 Cal 6-250ng	6	✓	250.0	246.9	98.8
p1 Cal 7-500ng	7	✓	500.0	521.3	104.3
p1 Cal 8-1000ng	8	✓	1000.0	1076.0	107.6

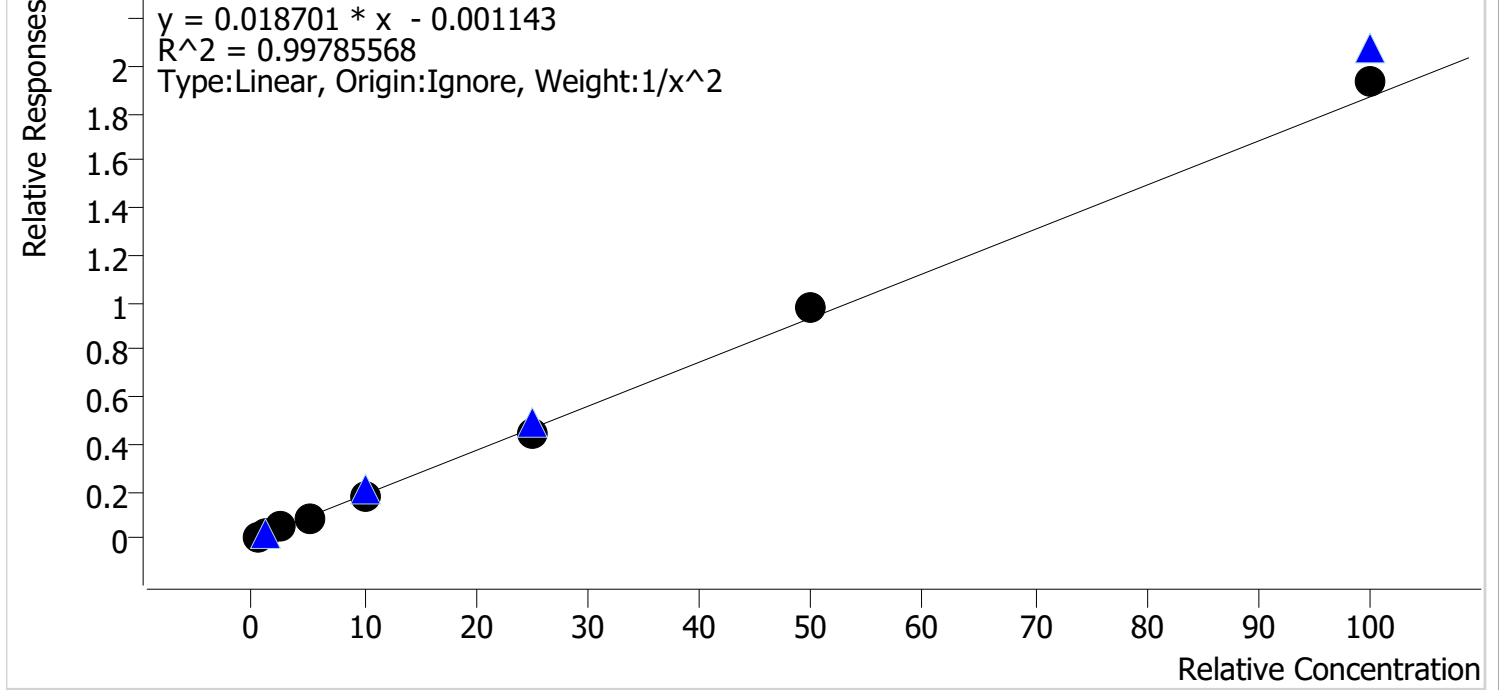
AK SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 7/26/2021 7:03 AM
Analyst Name ISP\datastor
Analyte Fentanyl **Internal Standard** Fentanyl-D5

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



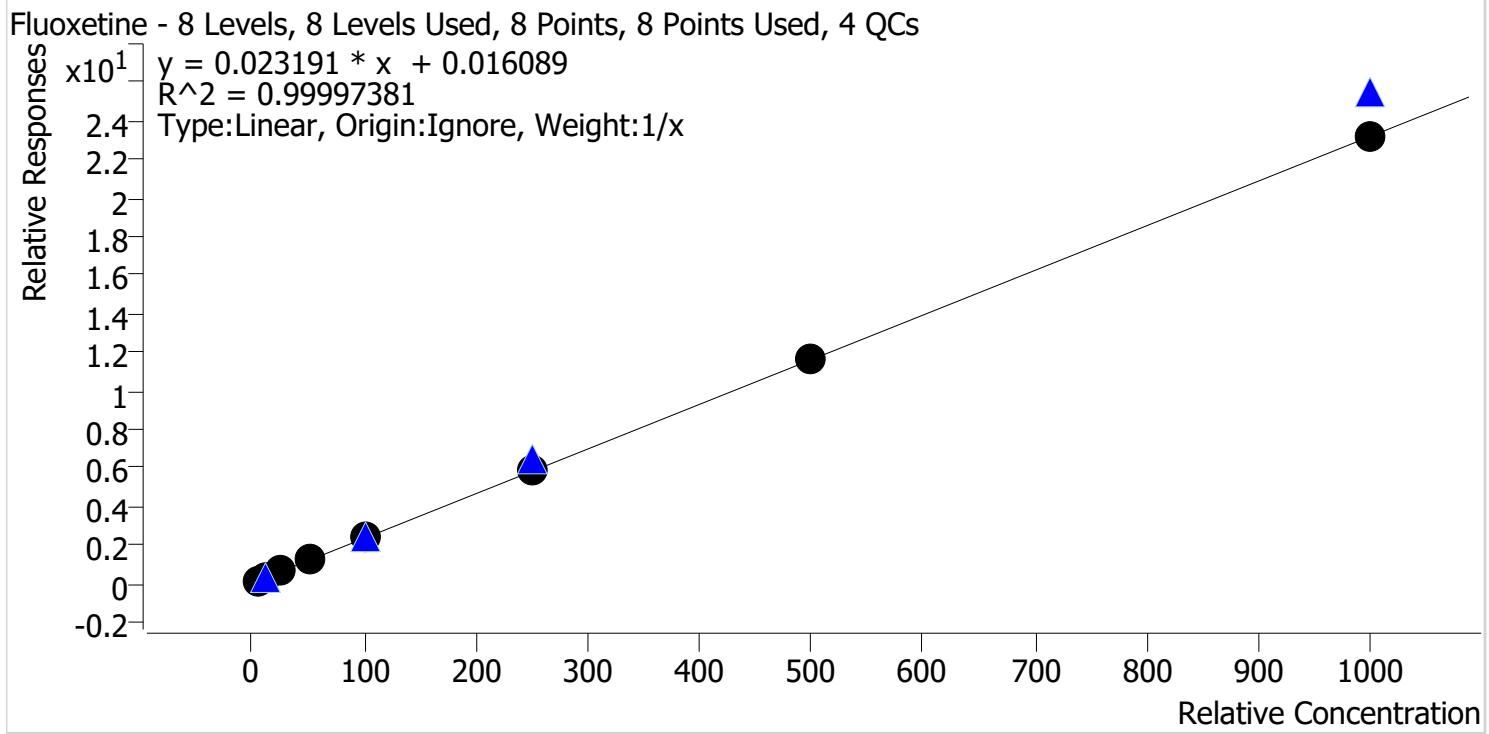
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	100.6
p1 Cal 2-10ng	2	✓	1.0	1.0	97.8
p1 Cal 3 -25ng	3	✓	2.5	2.6	105.6
p1 Cal 4-50ng	4	✓	5.0	4.8	95.9
p1 Cal 5-100ng	5	✓	10.0	9.6	95.9
p1 Cal 6-250ng	6	✓	25.0	24.1	96.4
p1 Cal 7-500ng	7	✓	50.0	52.0	104.1
p1 Cal 8-1000ng	8	✓	100.0	103.7	103.7

AK SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 7/26/2021 7:03 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	96.5
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.3
p1 Cal 4-50ng	4	✓	50.0	51.2	102.4
p1 Cal 5-100ng	5	✓	100.0	100.2	100.2
p1 Cal 6-250ng	6	✓	250.0	249.7	99.9
p1 Cal 7-500ng	7	✓	500.0	499.1	99.8
p1 Cal 8-1000ng	8	✓	1000.0	1000.2	100.0

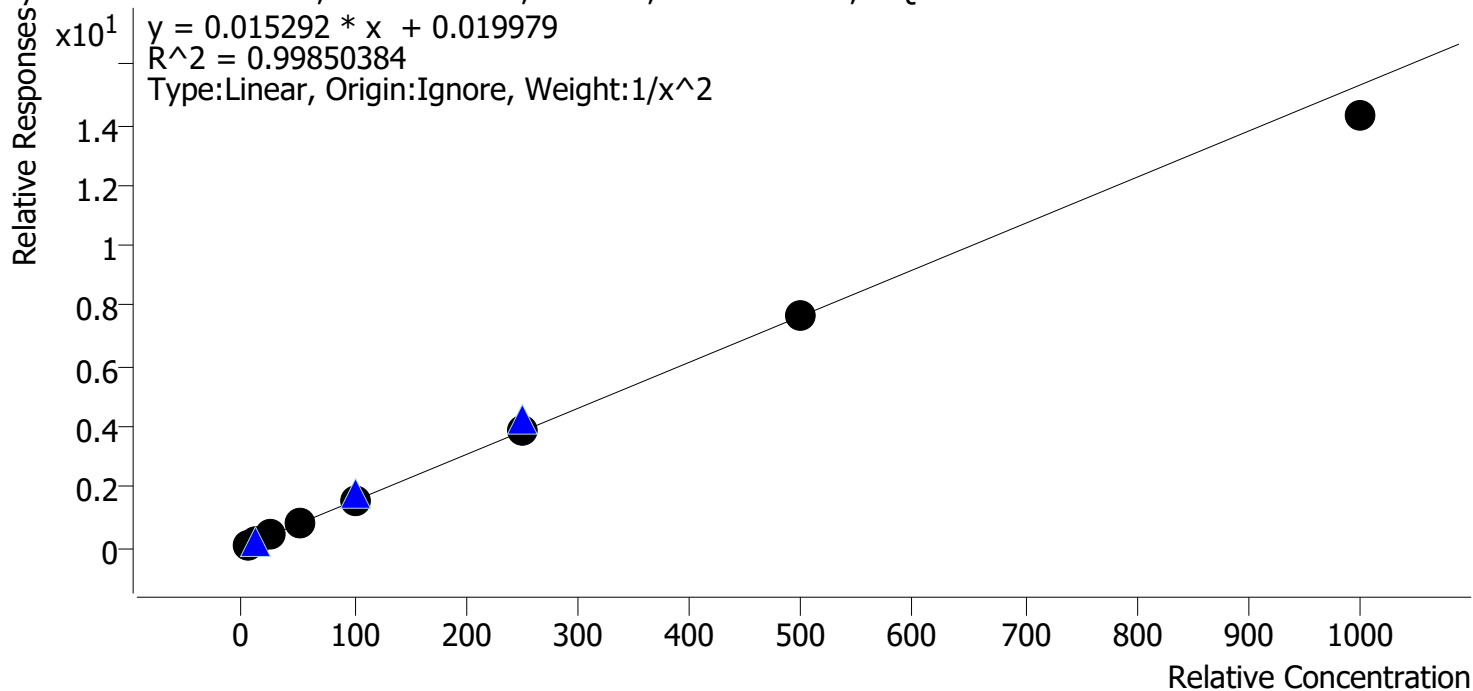
AK SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 7/26/2021 7:03 AM
Analyst Name ISP\datastor
Analyte Hydrocodone **Internal Standard** Hydrocodone-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.6
p1 Cal 2-10ng	2	✓	10.0	9.7	97.1
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.3
p1 Cal 4-50ng	4	✓	50.0	51.9	103.8
p1 Cal 5-100ng	5	✓	100.0	100.9	100.9
p1 Cal 6-250ng	6	✓	250.0	254.6	101.8
p1 Cal 7-500ng	7	✓	500.0	501.7	100.3
p1 Cal 8-1000ng	8	✓	1000.0	931.8	93.2

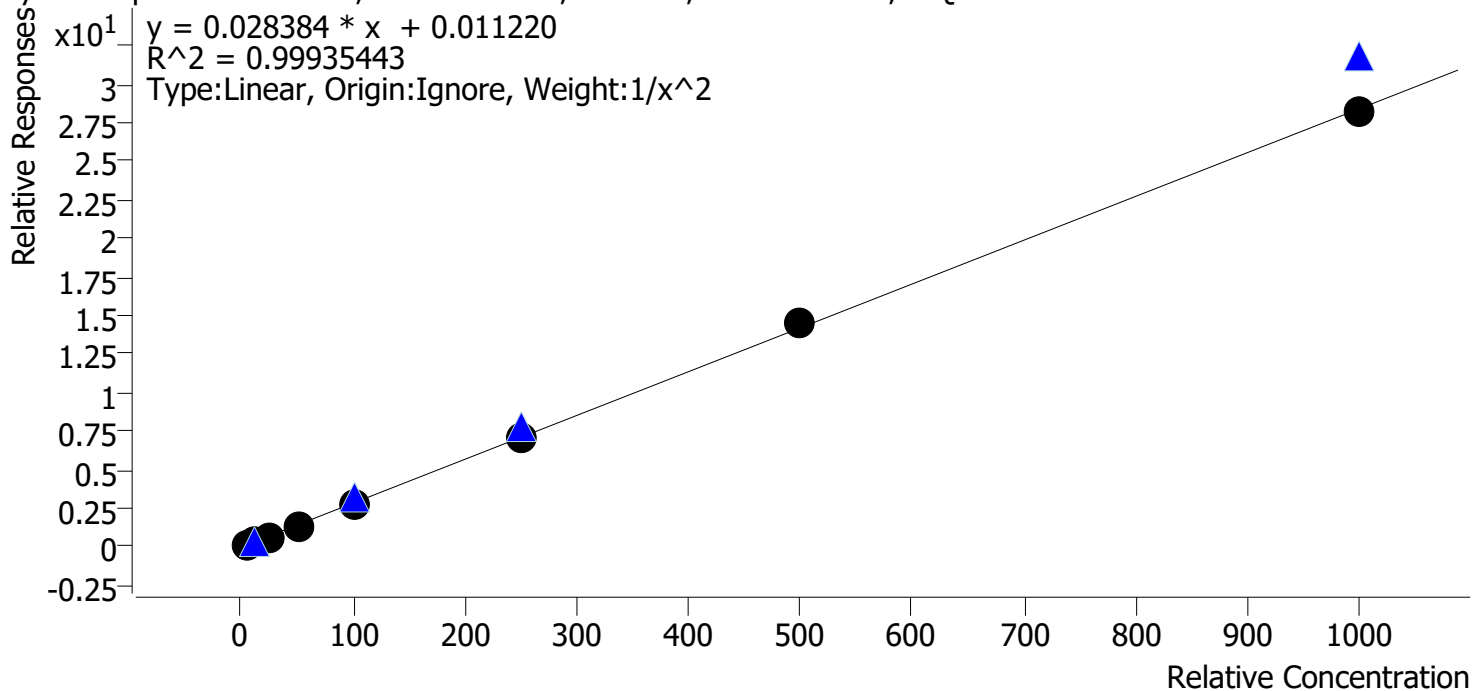
AK SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 7/26/2021 7:03 AM
Analyst Name ISP\datastor
Analyte Hydromorphone **Internal Standard** Hydromorphone-D6

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



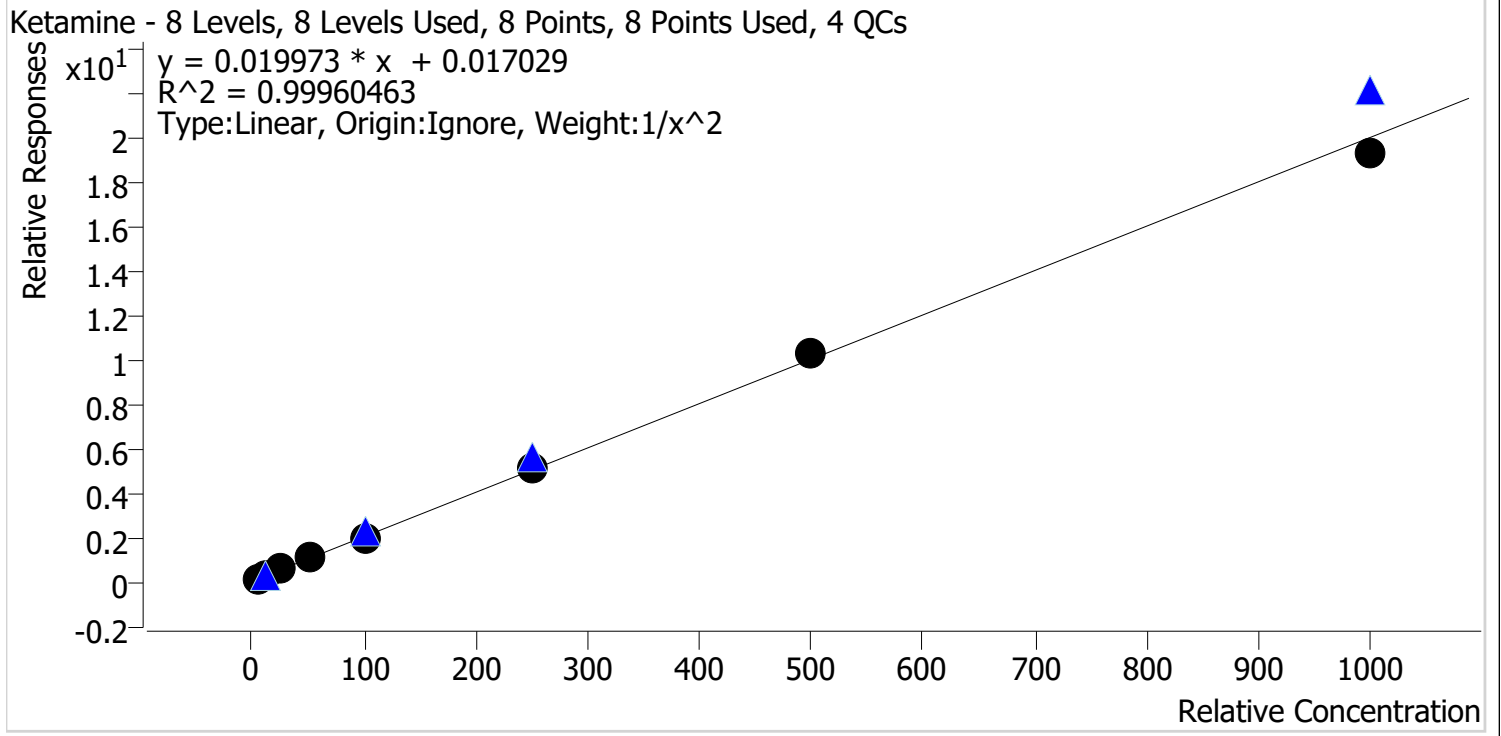
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.5
p1 Cal 2-10ng	2	✓	10.0	10.3	102.7
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.6
p1 Cal 4-50ng	4	✓	50.0	49.8	99.6
p1 Cal 5-100ng	5	✓	100.0	100.1	100.1
p1 Cal 6-250ng	6	✓	250.0	252.1	100.9
p1 Cal 7-500ng	7	✓	500.0	511.8	102.4
p1 Cal 8-1000ng	8	✓	1000.0	992.5	99.2

AK SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 7/26/2021 7:03 AM
Analyst Name ISP\datastor
Analyte Ketamine **Internal Standard** Ketamine-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.3
p1 Cal 2-10ng	2	✓	10.0	9.9	99.2
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.6
p1 Cal 4-50ng	4	✓	50.0	50.1	100.1
p1 Cal 5-100ng	5	✓	100.0	99.6	99.6
p1 Cal 6-250ng	6	✓	250.0	253.5	101.4
p1 Cal 7-500ng	7	✓	500.0	511.6	102.3
p1 Cal 8-1000ng	8	✓	1000.0	965.1	96.5

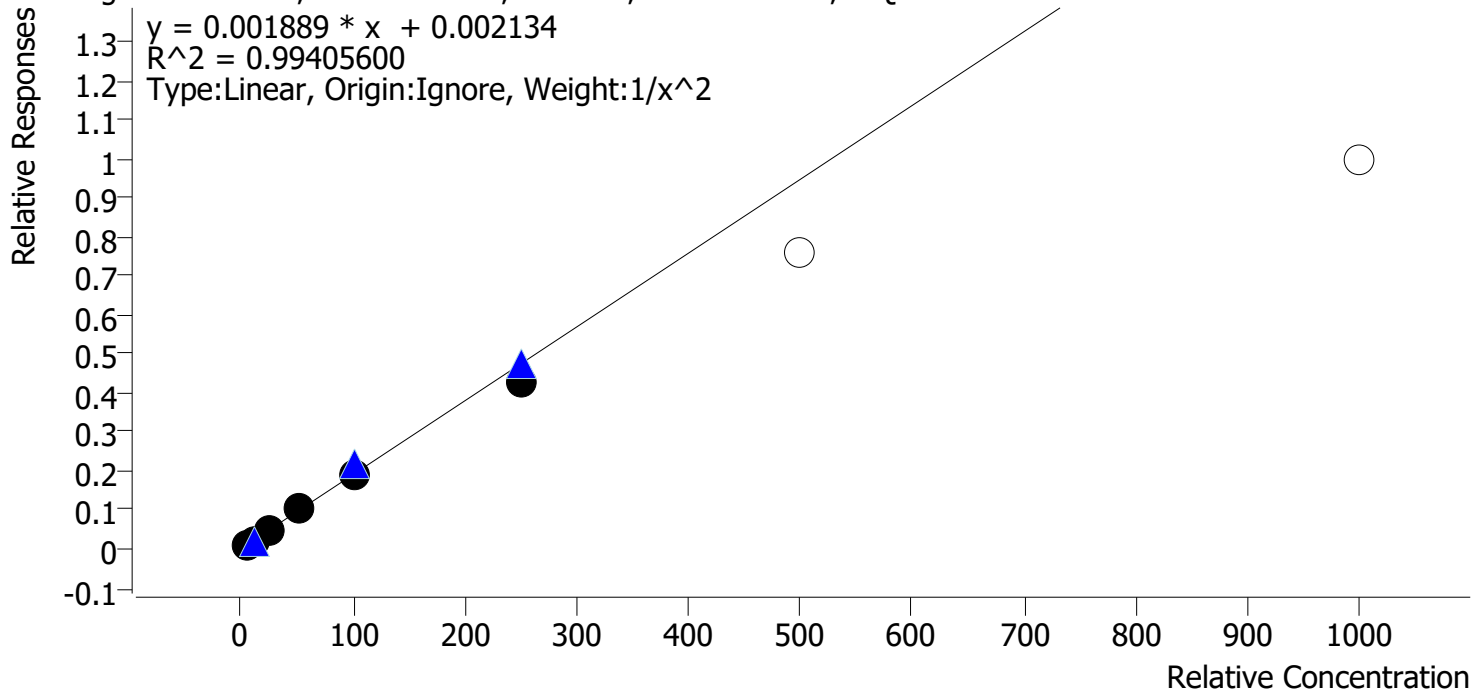
AK SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 7/26/2021 7:03 AM
Analyst Name ISP\datastor
Analyte Lamotrigine **Internal Standard** Ketamine-D4

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.9
p1 Cal 2-10ng	2	✓	10.0	10.3	103.2
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.8
p1 Cal 4-50ng	4	✓	50.0	53.0	106.0
p1 Cal 5-100ng	5	✓	100.0	98.3	98.3
p1 Cal 6-250ng	6	✓	250.0	224.4	89.7
p1 Cal 7-500ng	7	x	500.0	400.0	80.0
p1 Cal 8-1000ng	8	x	1000.0	527.4	52.7

Calibrators 7 and 8 dropped due to not meeting accuracy requirement

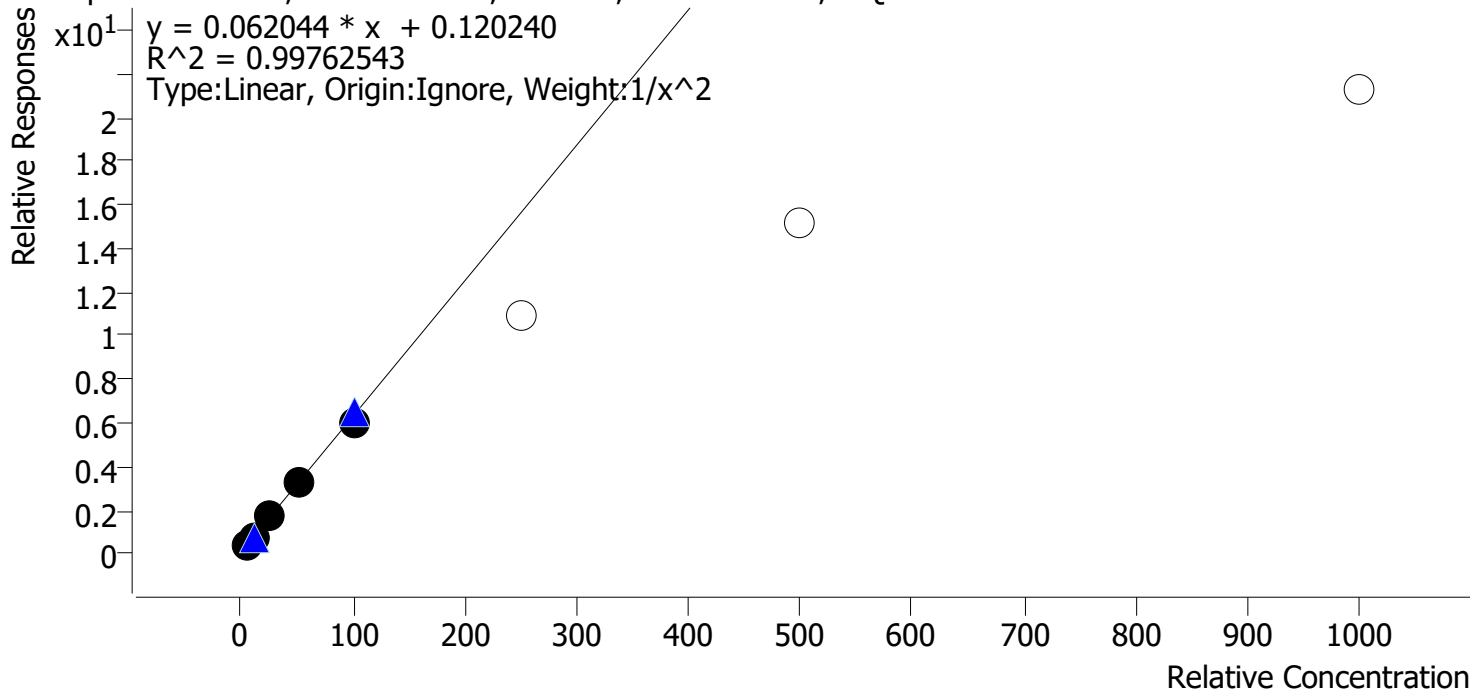
Handwritten initials: AH SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 7/26/2021 7:03 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	5.0	99.8
p1 Cal 2-10ng	2	✓	10.0	9.8	98.4
p1 Cal 3 -25ng	3	✓	25.0	26.5	105.8
p1 Cal 4-50ng	4	✓	50.0	50.2	100.5
p1 Cal 5-100ng	5	✓	100.0	95.5	95.5
p1 Cal 6-250ng	6	✗	250.0	175.3	70.1
p1 Cal 7-500ng	7	✗	500.0	243.0	48.6
p1 Cal 8-1000ng	8	✗	1000.0	341.3	34.1

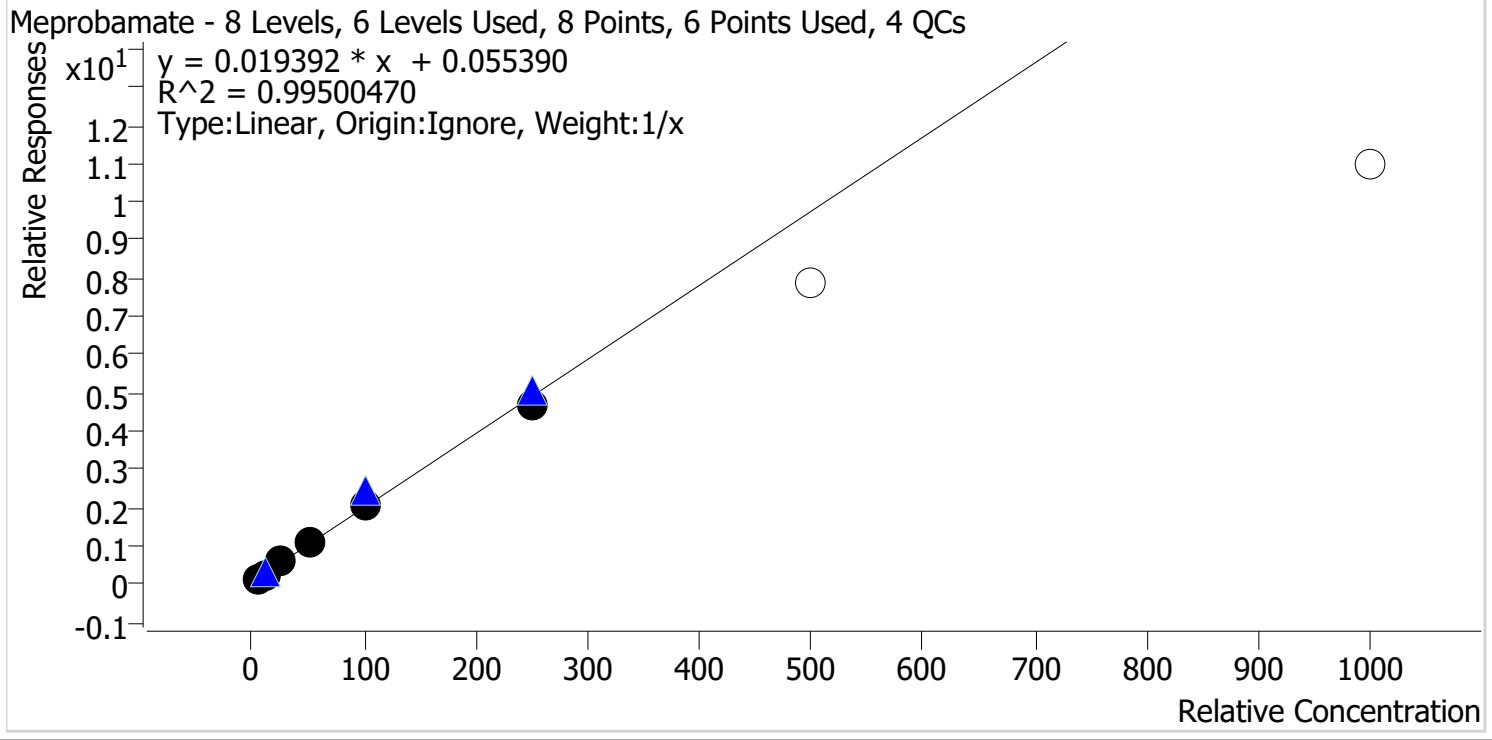
Calibrators 6-8 dropped due to not meeting accuracy requirement

AK SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 7/26/2021 7:03 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	4.0	80.6
p1 Cal 2-10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	27.1	108.4
p1 Cal 4-50ng	4	✓	50.0	54.9	109.8
p1 Cal 5-100ng	5	✓	100.0	105.7	105.7
p1 Cal 6-250ng	6	✓	250.0	238.2	95.3
p1 Cal 7-500ng	7	x	500.0	403.4	80.7
p1 Cal 8-1000ng	8	x	1000.0	564.0	56.4

Calibrators 7 and 8 dropped due to not meeting accuracy requirement

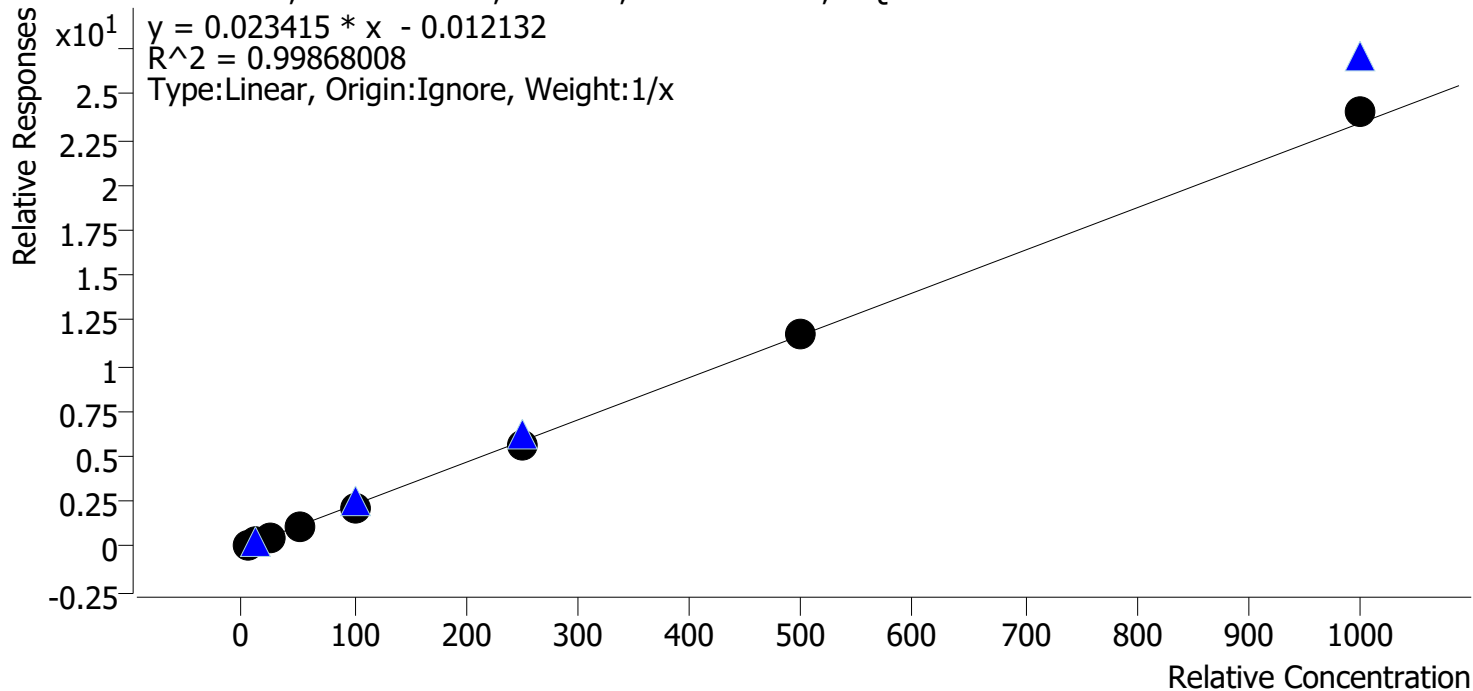
AK SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 7/26/2021 7:03 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	5.8	115.5
p1 Cal 2-10ng	2	✓	10.0	10.5	104.6
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.2
p1 Cal 4-50ng	4	✓	50.0	47.8	95.6
p1 Cal 5-100ng	5	✓	100.0	90.9	90.9
p1 Cal 6-250ng	6	✓	250.0	237.6	95.0
p1 Cal 7-500ng	7	✓	500.0	498.8	99.8
p1 Cal 8-1000ng	8	✓	1000.0	1024.7	102.5

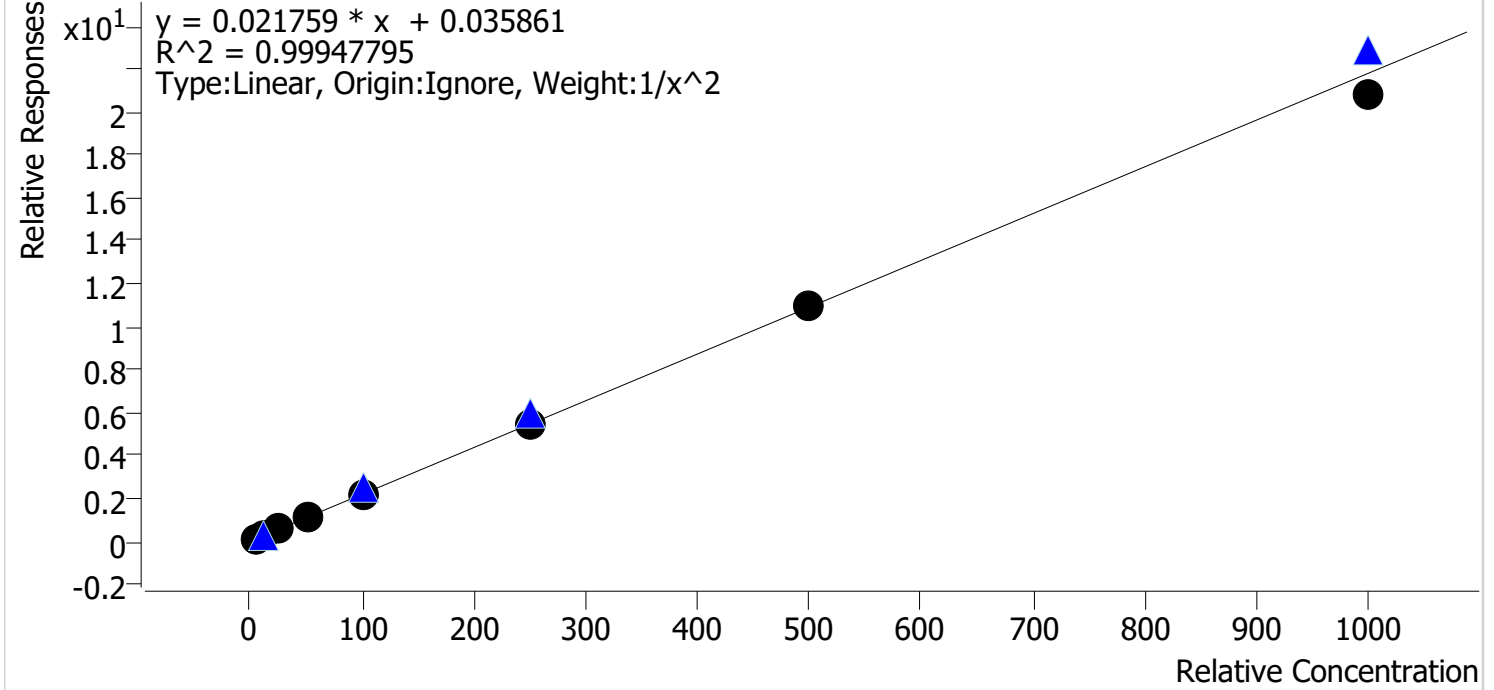
AK SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 7/26/2021 7:03 AM
Analyst Name ISP\datastor
Analyte Methamphetamine **Internal Standard** Methamphetamine-D11

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.8
p1 Cal 2-10ng	2	✓	10.0	10.1	101.5
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.1
p1 Cal 4-50ng	4	✓	50.0	50.7	101.4
p1 Cal 5-100ng	5	✓	100.0	101.2	101.2
p1 Cal 6-250ng	6	✓	250.0	250.9	100.4
p1 Cal 7-500ng	7	✓	500.0	499.7	99.9
p1 Cal 8-1000ng	8	✓	1000.0	956.2	95.6

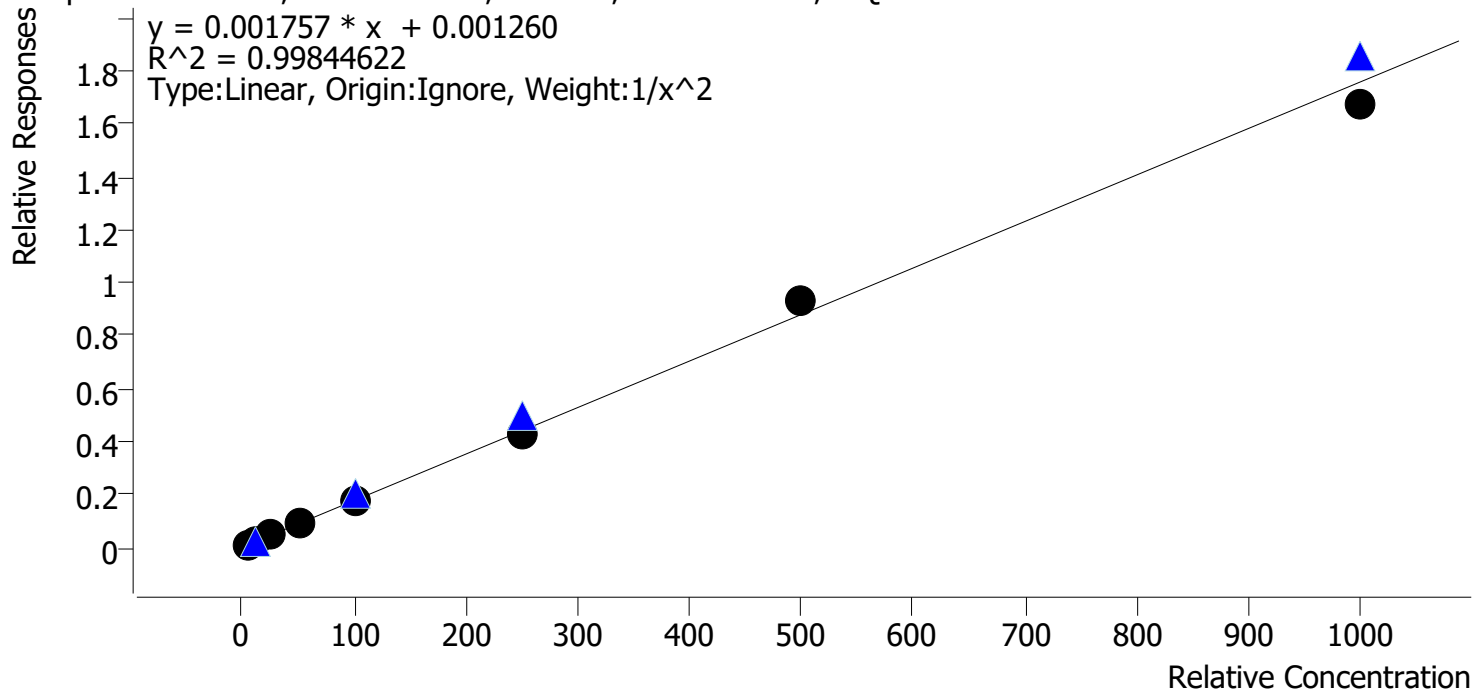
AK SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 7/26/2021 7:03 AM
Analyst Name ISP\datastor
Analyte Metoprolol **Internal Standard** Tramadol-13C-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.7
p1 Cal 2-10ng	2	✓	10.0	10.1	101.2
p1 Cal 3 -25ng	3	✓	25.0	24.2	97.0
p1 Cal 4-50ng	4	✓	50.0	50.7	101.4
p1 Cal 5-100ng	5	✓	100.0	103.0	103.0
p1 Cal 6-250ng	6	✓	250.0	242.8	97.1
p1 Cal 7-500ng	7	✓	500.0	526.8	105.4
p1 Cal 8-1000ng	8	✓	1000.0	951.7	95.2

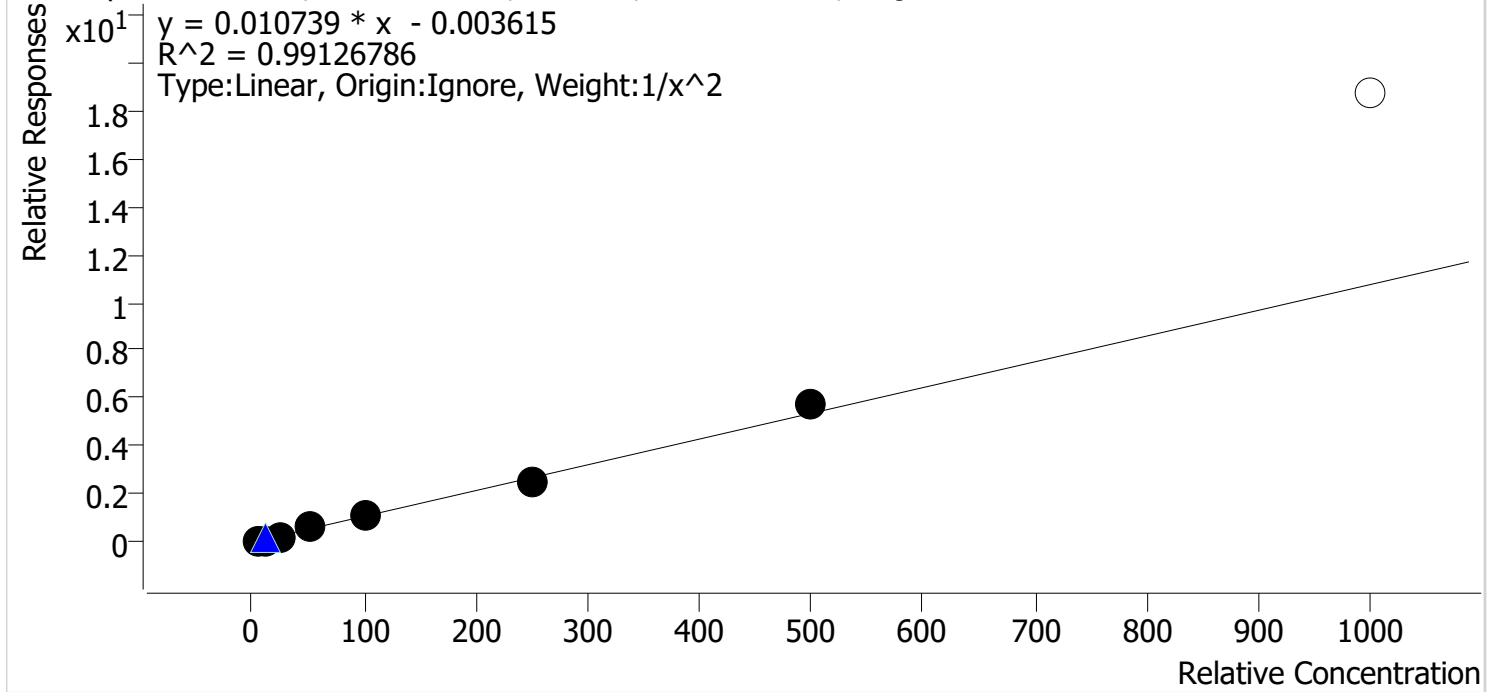
AK SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 7/26/2021 7:03 AM
Analyst Name ISP\datastor
Analyte Mirtazapine **Internal Standard** alpha-PVP-d8

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.4
p1 Cal 2-10ng	2	✓	10.0	9.5	95.2
p1 Cal 3 -25ng	3	✓	25.0	22.4	89.4
p1 Cal 4-50ng	4	✓	50.0	55.5	110.9
p1 Cal 5-100ng	5	✓	100.0	100.8	100.8
p1 Cal 6-250ng	6	✓	250.0	231.5	92.6
p1 Cal 7-500ng	7	✓	500.0	537.8	107.6
p1 Cal 8-1000ng	8	x	1000.0	1743.4	174.3

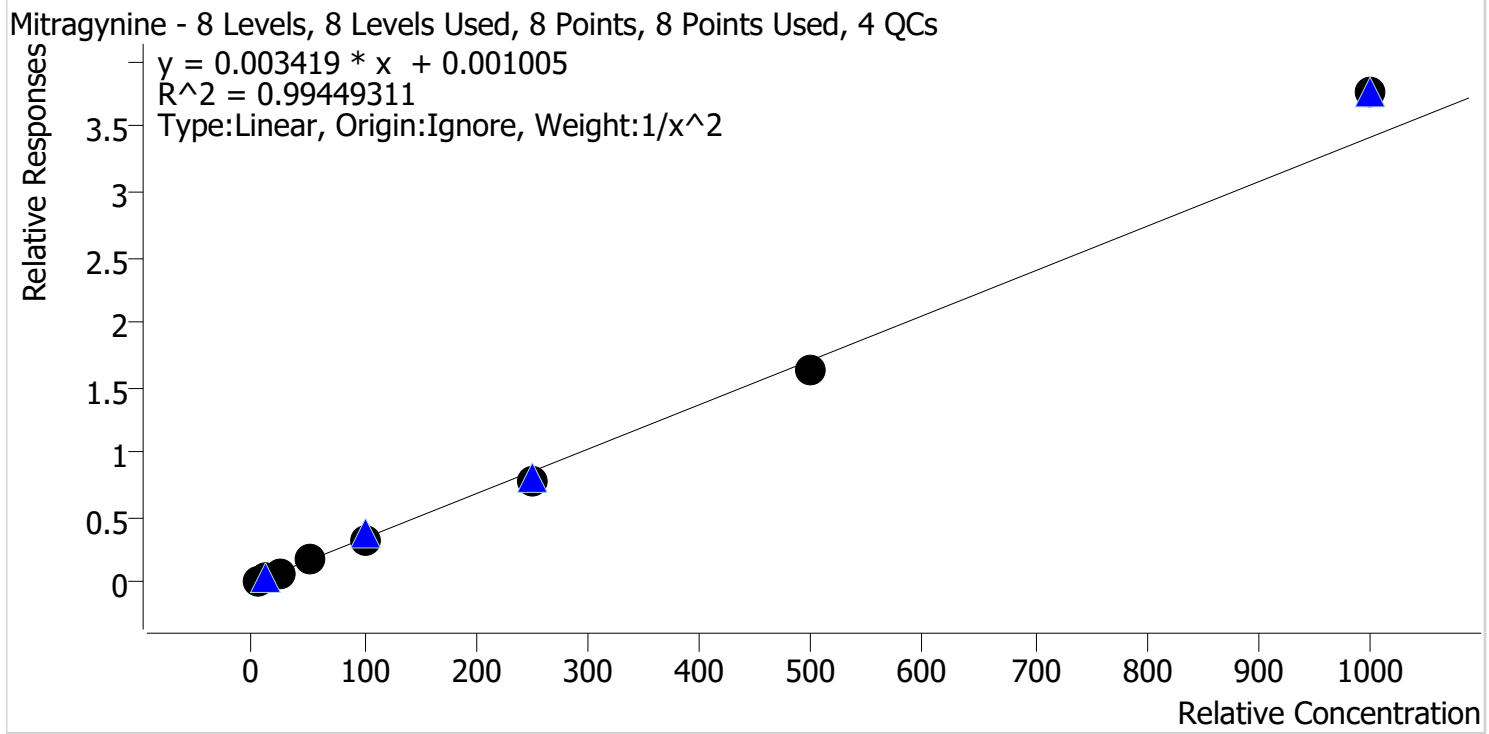
Calibrator 8 dropped due to not meeting accuracy requirement

AK SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 7/26/2021 7:03 AM
Analyst Name ISP\datastor
Analyte Mitragynine **Internal Standard** Methadone-D9



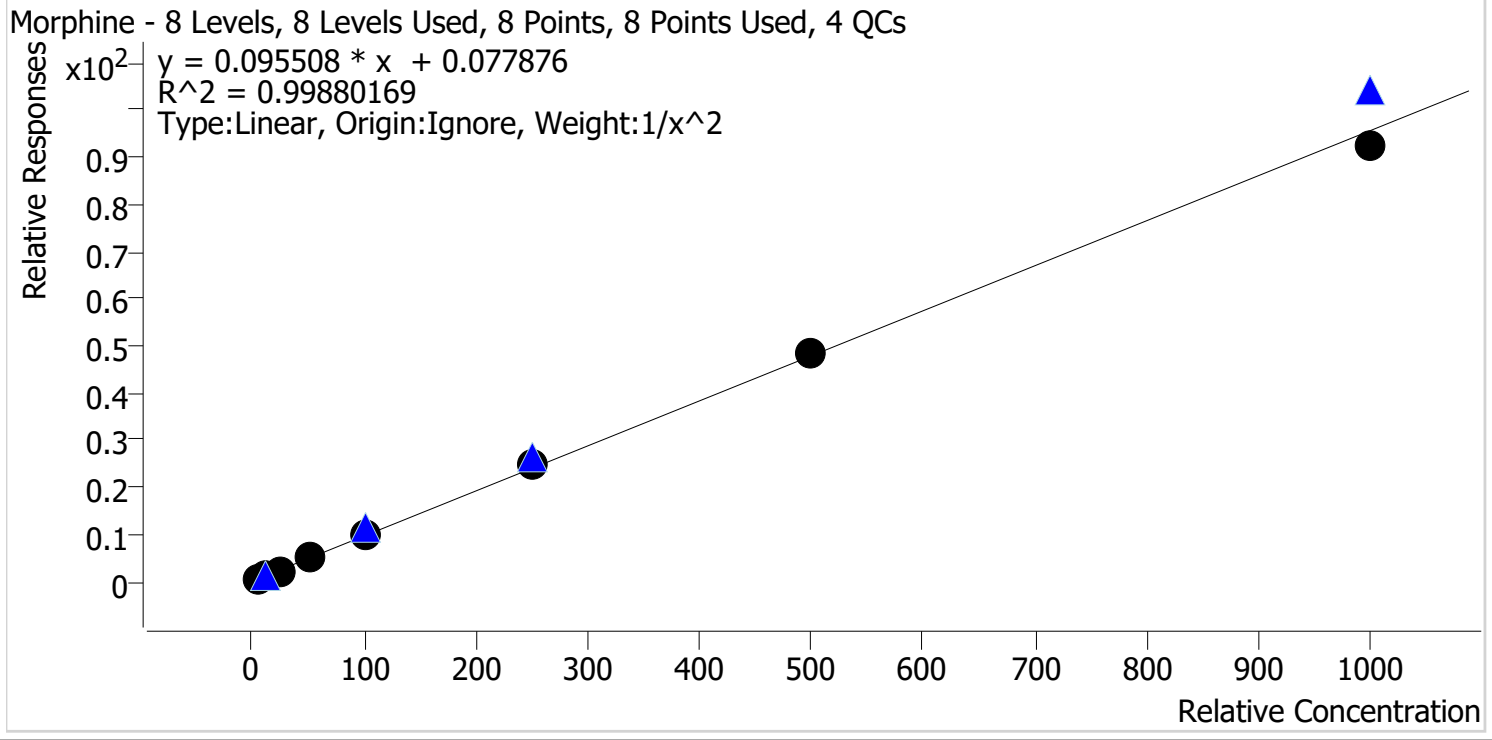
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.2
p1 Cal 2-10ng	2	✓	10.0	10.5	104.9
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.6
p1 Cal 4-50ng	4	✓	50.0	53.5	107.0
p1 Cal 5-100ng	5	✓	100.0	97.6	97.6
p1 Cal 6-250ng	6	✓	250.0	231.2	92.5
p1 Cal 7-500ng	7	✓	500.0	475.6	95.1
p1 Cal 8-1000ng	8	✓	1000.0	1100.3	110.0

AK SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 7/26/2021 7:03 AM
Analyst Name ISP\datastor
Analyte Morphine **Internal Standard** Morphine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.1
p1 Cal 2-10ng	2	✓	10.0	9.9	99.3
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.3
p1 Cal 4-50ng	4	✓	50.0	49.8	99.6
p1 Cal 5-100ng	5	✓	100.0	101.6	101.6
p1 Cal 6-250ng	6	✓	250.0	262.2	104.9
p1 Cal 7-500ng	7	✓	500.0	507.0	101.4
p1 Cal 8-1000ng	8	✓	1000.0	967.5	96.7

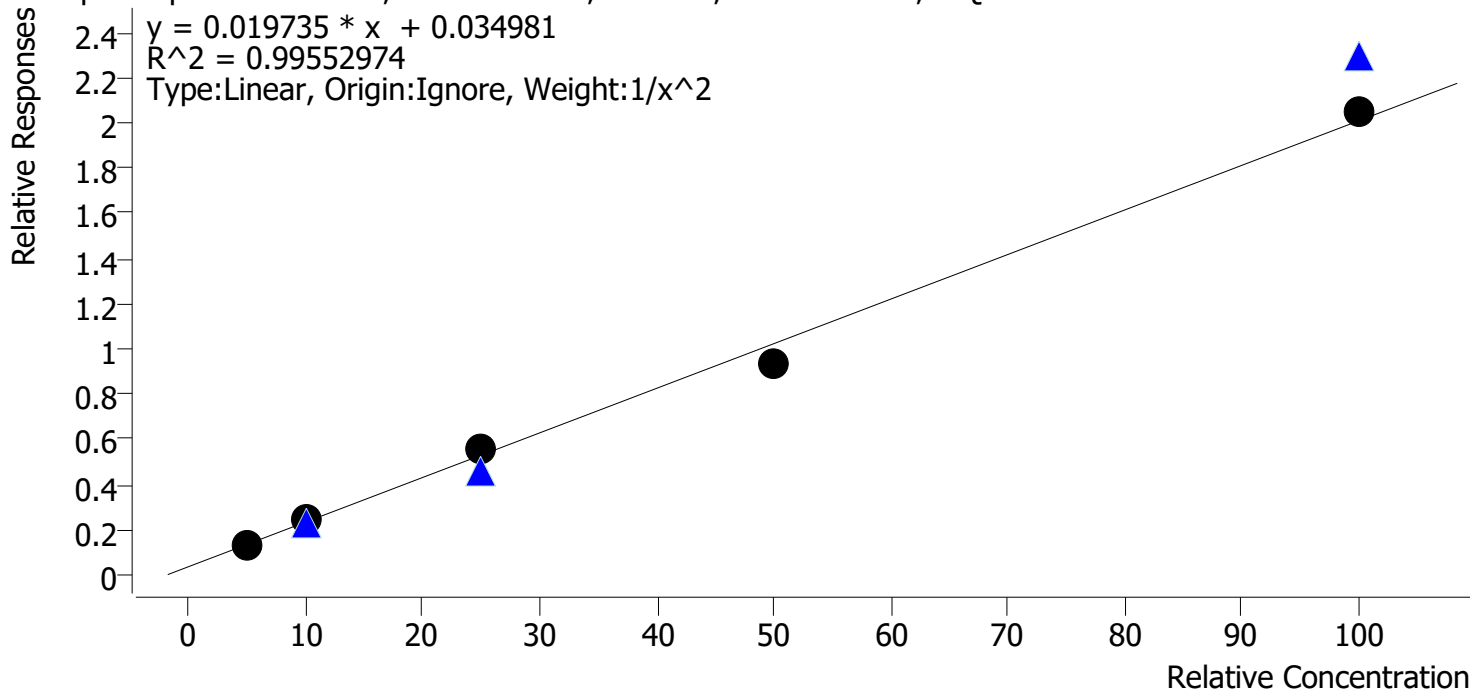
Handwritten initials: AH SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 7/26/2021 7:03 AM
Analyst Name ISP\datastor
Analyte Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

Norbuprenorphine - 5 Levels, 5 Levels Used, 5 Points, 5 Points Used, 3 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 4-50ng	4	✓	5.0	4.9	98.6
p1 Cal 5-100ng	5	✓	10.0	10.2	102.1
p1 Cal 6-250ng	6	✓	25.0	26.3	105.1
p1 Cal 7-500ng	7	✓	50.0	45.9	91.7
p1 Cal 8-1000ng	8	✓	100.0	102.4	102.4

Did not evaluate compound

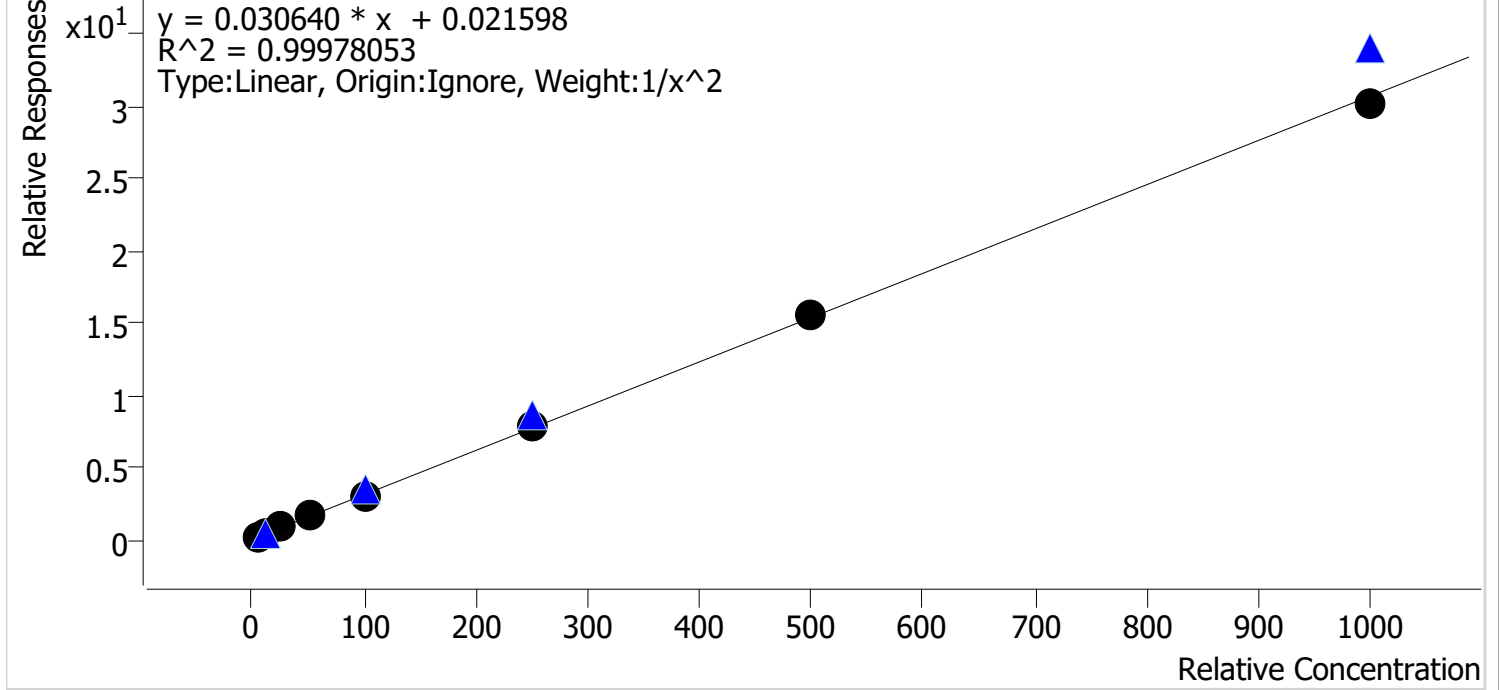
AK SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 7/26/2021 7:03 AM
Analyst Name ISP\datastor
Analyte Nordiazepam **Internal Standard** Nordiazepam-D5

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



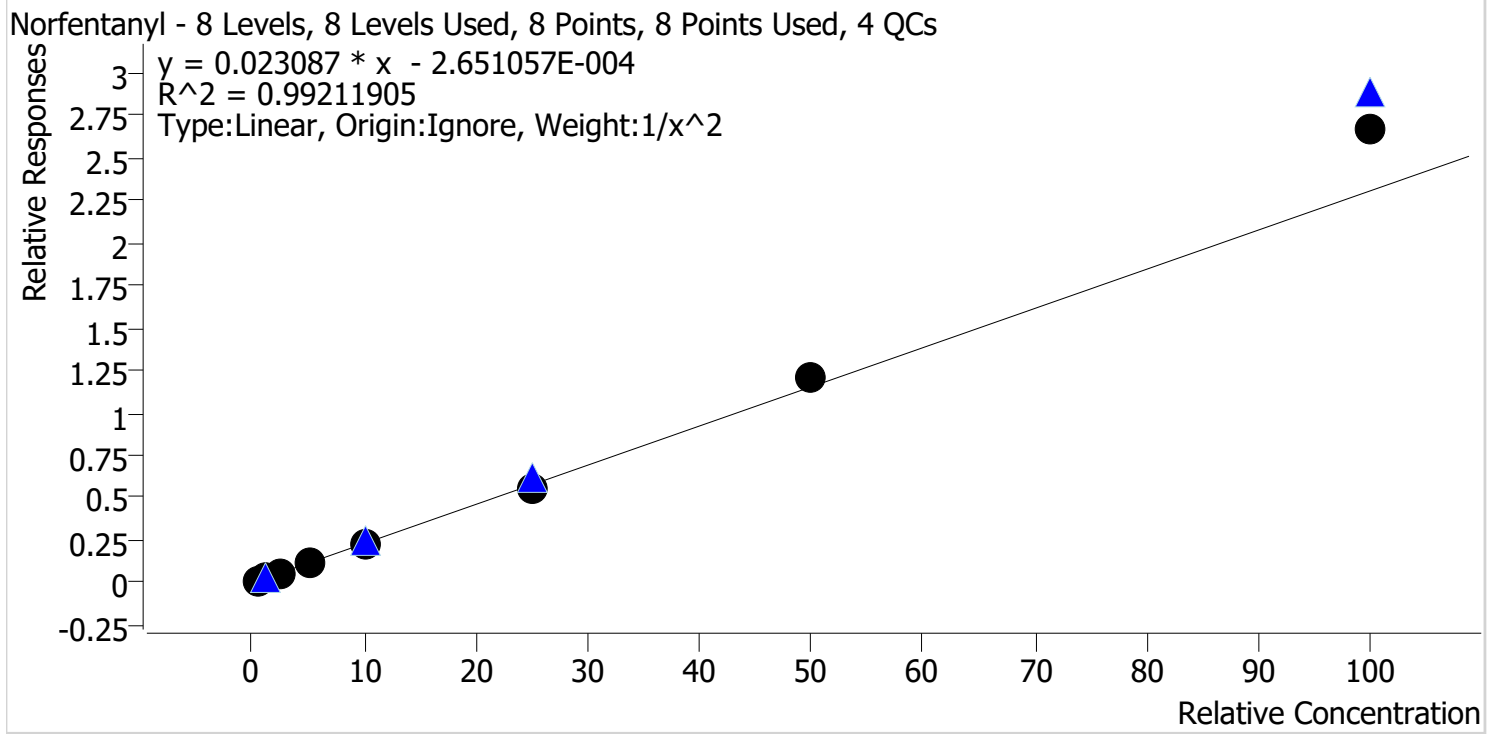
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.2
p1 Cal 2-10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.2
p1 Cal 4-50ng	4	✓	50.0	50.5	101.1
p1 Cal 5-100ng	5	✓	100.0	99.7	99.7
p1 Cal 6-250ng	6	✓	250.0	254.6	101.8
p1 Cal 7-500ng	7	✓	500.0	503.4	100.7
p1 Cal 8-1000ng	8	✓	1000.0	982.0	98.2

Handwritten initials: *AKI SC*



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 7/26/2021 7:03 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	98.2
p1 Cal 3 -25ng	3	✓	2.5	2.4	94.5
p1 Cal 4-50ng	4	✓	5.0	4.6	92.6
p1 Cal 5-100ng	5	✓	10.0	9.3	93.5
p1 Cal 6-250ng	6	✓	25.0	24.3	97.3
p1 Cal 7-500ng	7	✓	50.0	52.7	105.4
p1 Cal 8-1000ng	8	✓	100.0	115.6	115.6

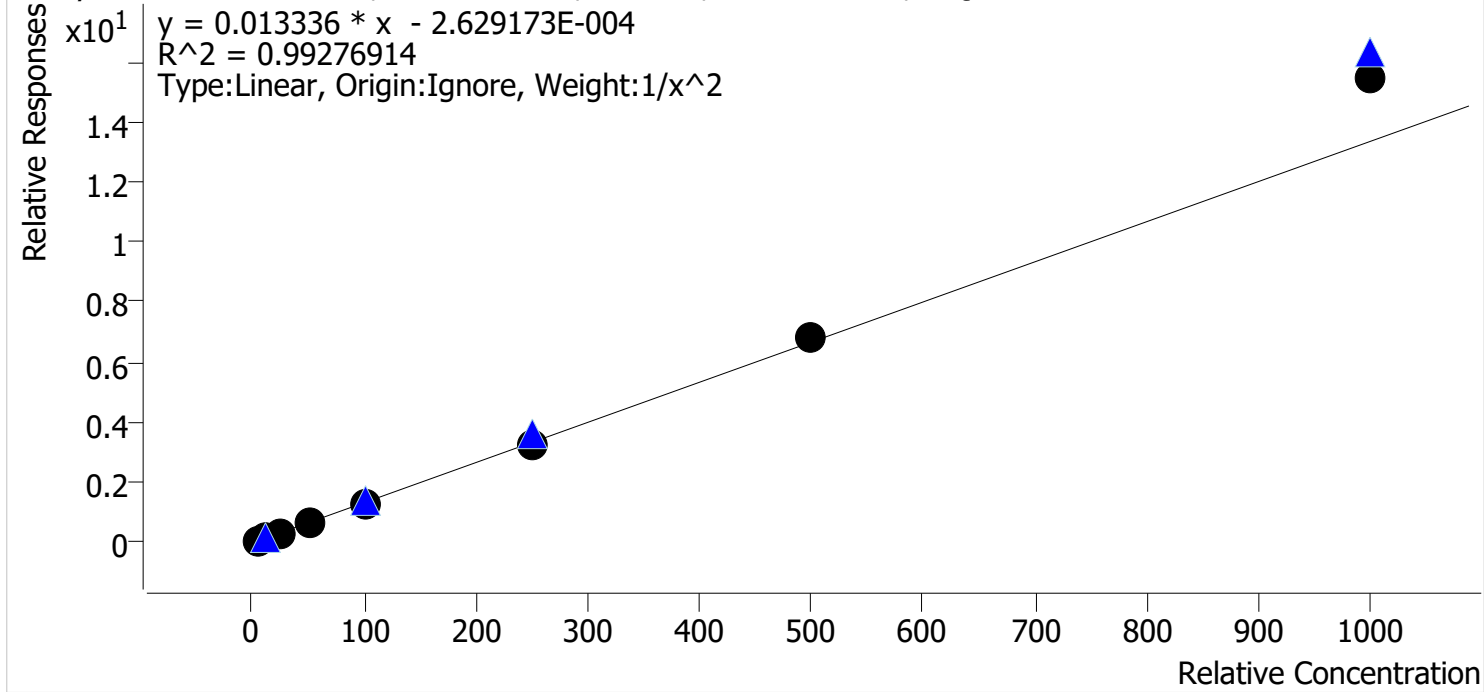
AK SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 7/26/2021 7:03 AM
Analyst Name ISP\datastor
Analyte Norhydrocodone **Internal Standard** Norhydrocodone-D3

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



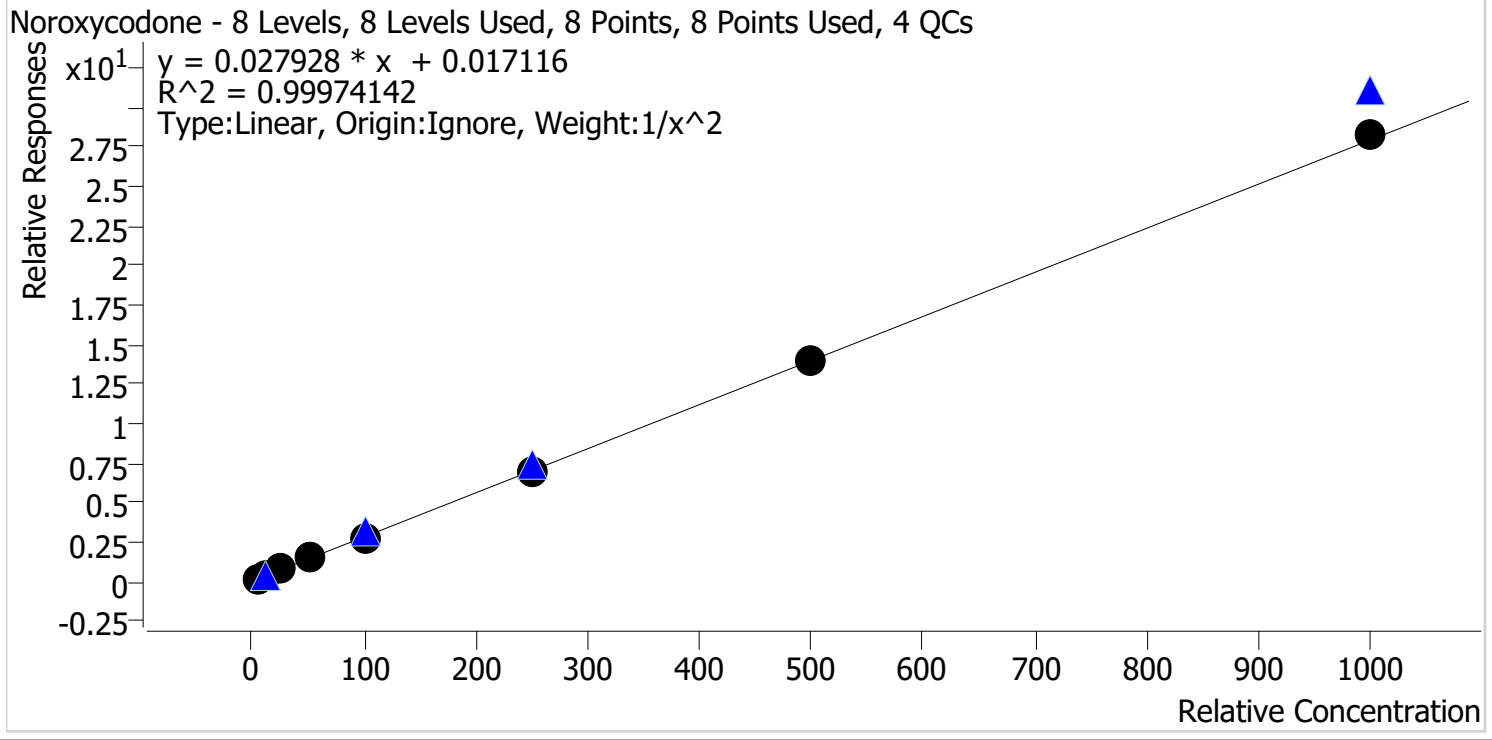
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.7
p1 Cal 2-10ng	2	✓	10.0	9.7	96.8
p1 Cal 3 -25ng	3	✓	25.0	22.9	91.8
p1 Cal 4-50ng	4	✓	50.0	48.7	97.4
p1 Cal 5-100ng	5	✓	100.0	94.3	94.3
p1 Cal 6-250ng	6	✓	250.0	243.6	97.5
p1 Cal 7-500ng	7	✓	500.0	515.8	103.2
p1 Cal 8-1000ng	8	✓	1000.0	1153.8	115.4

AK SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 7/26/2021 7:03 AM
Analyst Name ISP\datastor
Analyte Noroxycodone **Internal Standard** Noroxycodone-D3



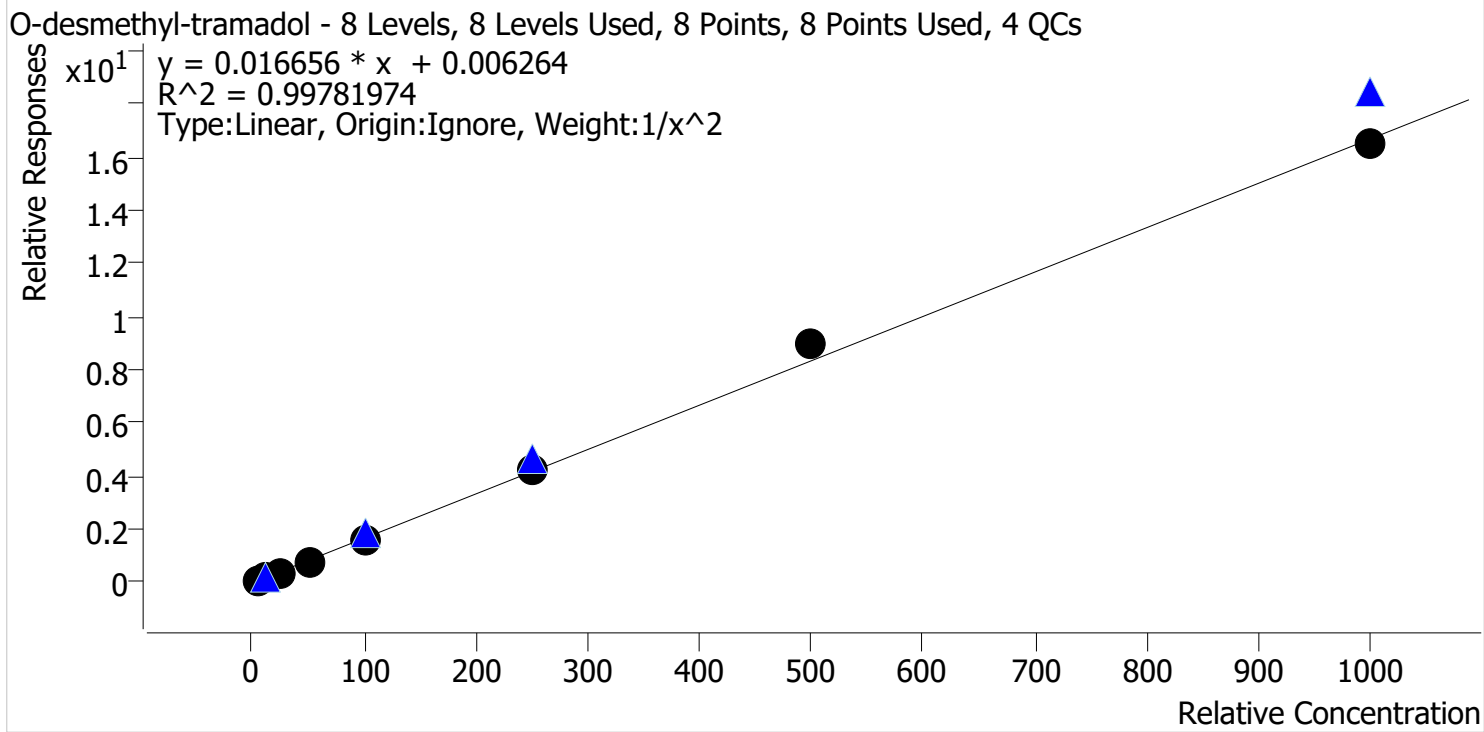
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.1
p1 Cal 2-10ng	2	✓	10.0	9.8	97.5
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.0
p1 Cal 4-50ng	4	✓	50.0	50.1	100.3
p1 Cal 5-100ng	5	✓	100.0	98.3	98.3
p1 Cal 6-250ng	6	✓	250.0	249.3	99.7
p1 Cal 7-500ng	7	✓	500.0	503.5	100.7
p1 Cal 8-1000ng	8	✓	1000.0	1013.7	101.4

AK SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 7/26/2021 7:03 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	101.3
p1 Cal 2-10ng	2	✓	10.0	10.0	100.0
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.7
p1 Cal 4-50ng	4	✓	50.0	48.7	97.3
p1 Cal 5-100ng	5	✓	100.0	97.5	97.5
p1 Cal 6-250ng	6	✓	250.0	255.9	102.4
p1 Cal 7-500ng	7	✓	500.0	540.3	108.1
p1 Cal 8-1000ng	8	✓	1000.0	987.6	98.8

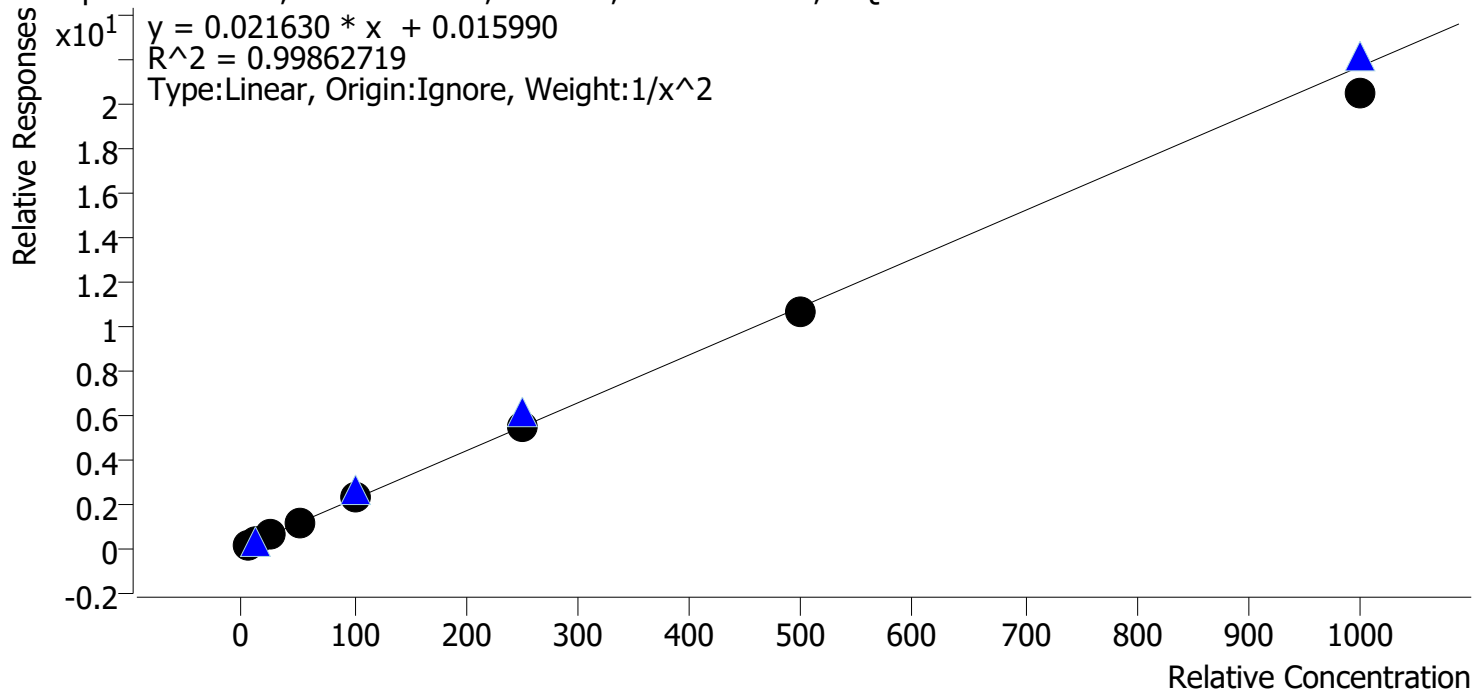
AK SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 7/26/2021 7:03 AM
Analyst Name ISP\datastor
Analyte Oxazepam **Internal Standard** Oxazepam-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.0
p1 Cal 2-10ng	2	✓	10.0	10.3	103.1
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.6
p1 Cal 4-50ng	4	✓	50.0	52.3	104.6
p1 Cal 5-100ng	5	✓	100.0	101.2	101.2
p1 Cal 6-250ng	6	✓	250.0	252.6	101.1
p1 Cal 7-500ng	7	✓	500.0	489.8	98.0
p1 Cal 8-1000ng	8	✓	1000.0	944.6	94.5

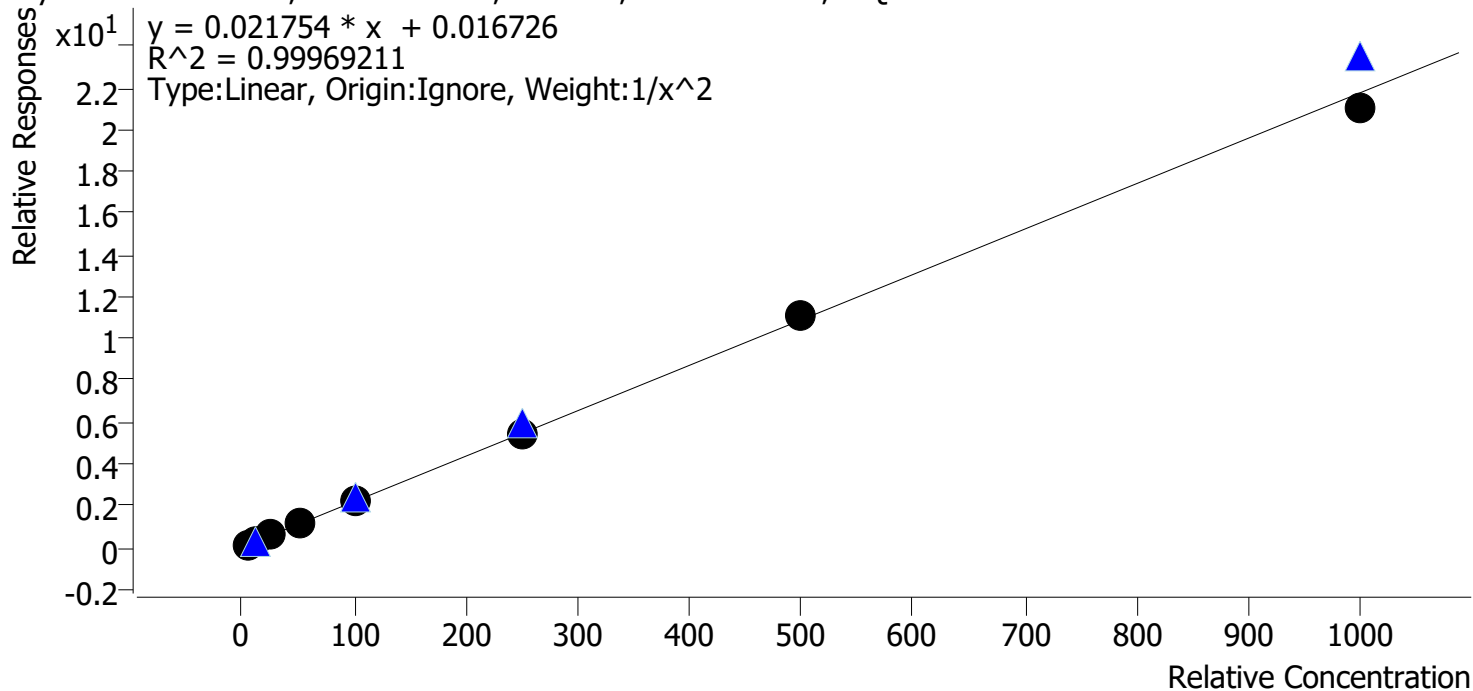
AK SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 7/26/2021 7:03 AM
Analyst Name ISP\datastor
Analyte Oxycodone **Internal Standard** Oxycodone-D6

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



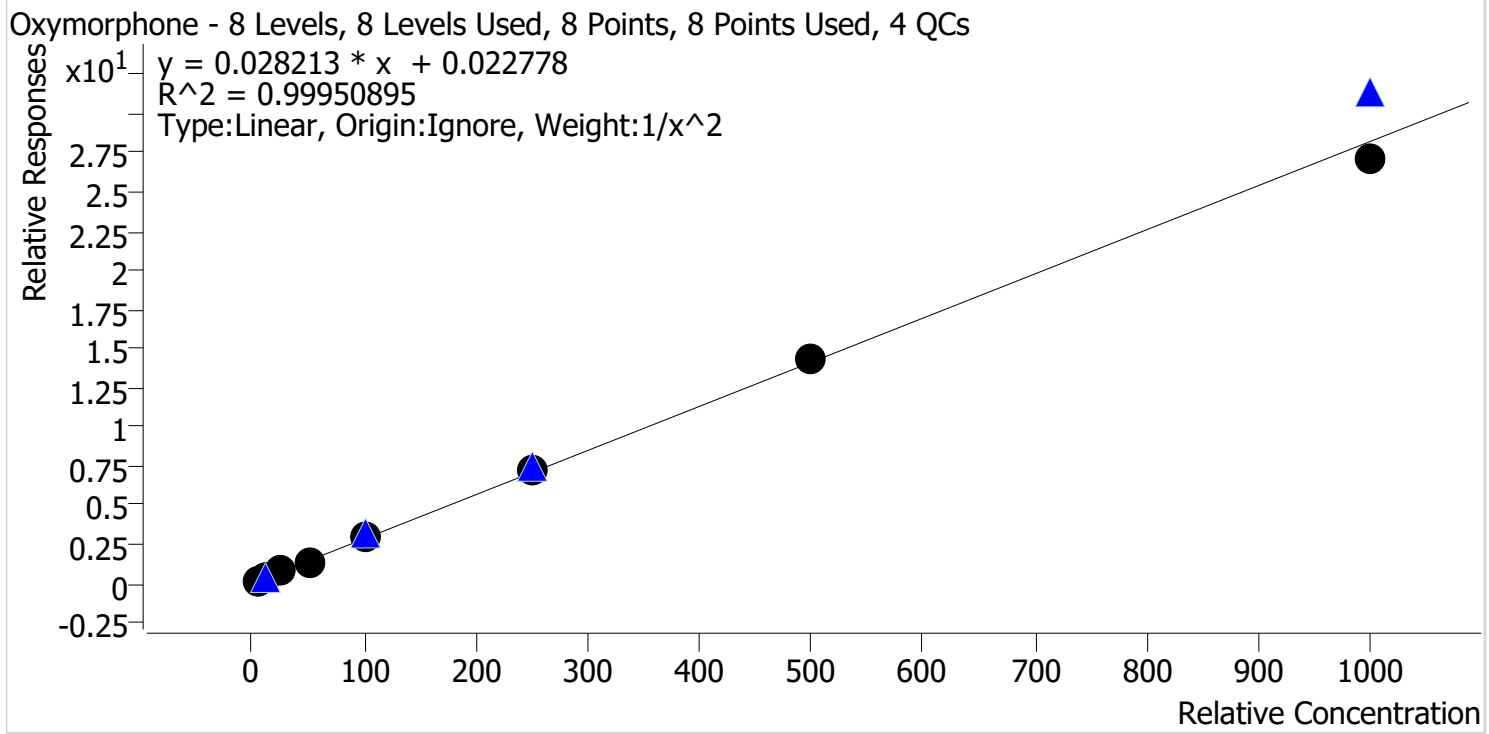
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.7
p1 Cal 2-10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.4
p1 Cal 4-50ng	4	✓	50.0	50.7	101.3
p1 Cal 5-100ng	5	✓	100.0	99.9	99.9
p1 Cal 6-250ng	6	✓	250.0	249.3	99.7
p1 Cal 7-500ng	7	✓	500.0	511.2	102.2
p1 Cal 8-1000ng	8	✓	1000.0	970.7	97.1

AK SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 7/26/2021 7:03 AM
Analyst Name ISP\datastor
Analyte Oxymorphone **Internal Standard** Oxymorphone-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.7
p1 Cal 2-10ng	2	✓	10.0	9.9	98.7
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.7
p1 Cal 4-50ng	4	✓	50.0	49.8	99.6
p1 Cal 5-100ng	5	✓	100.0	100.3	100.3
p1 Cal 6-250ng	6	✓	250.0	257.2	102.9
p1 Cal 7-500ng	7	✓	500.0	508.5	101.7
p1 Cal 8-1000ng	8	✓	1000.0	964.7	96.5

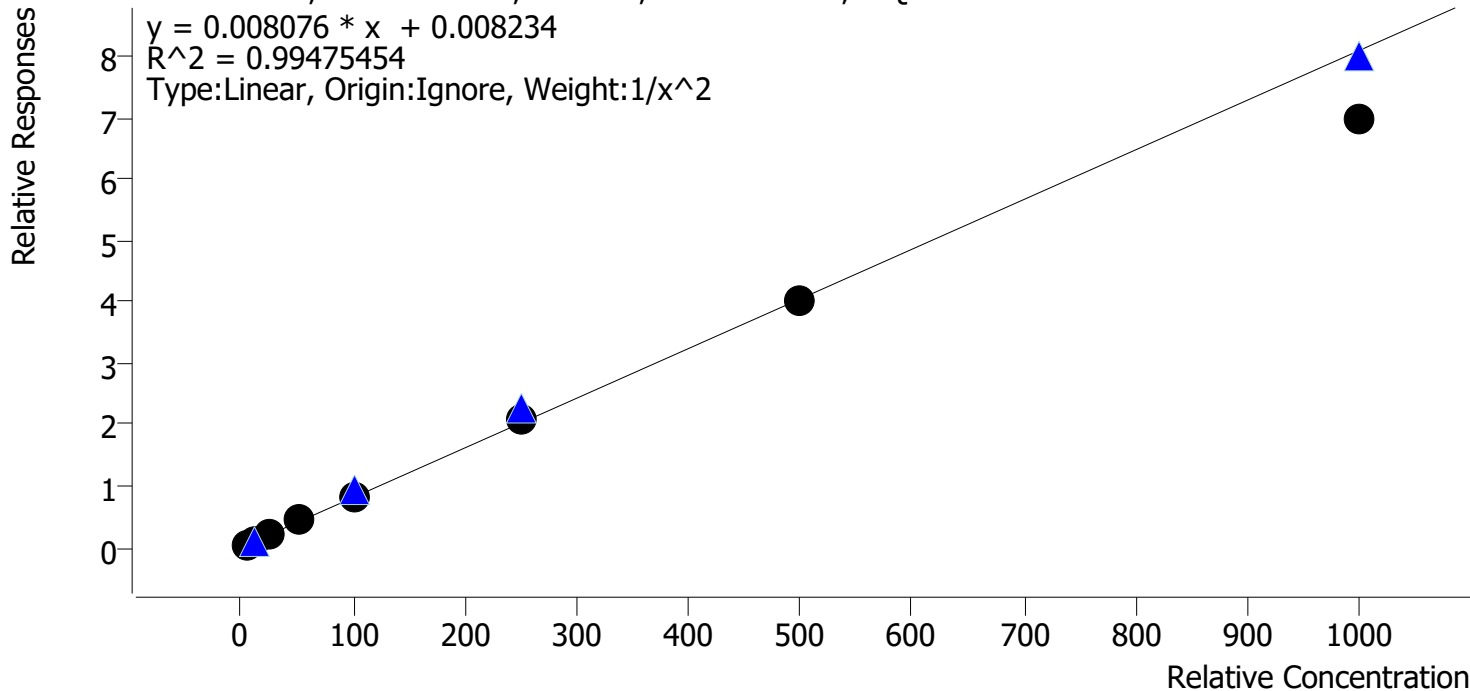
AK SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 7/26/2021 7:03 AM
Analyst Name ISP\datastor
Analyte Phentermine **Internal Standard** Phentermine-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.1
p1 Cal 2-10ng	2	✓	10.0	9.7	96.8
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.1
p1 Cal 4-50ng	4	✓	50.0	53.2	106.4
p1 Cal 5-100ng	5	✓	100.0	104.5	104.5
p1 Cal 6-250ng	6	✓	250.0	258.9	103.6
p1 Cal 7-500ng	7	✓	500.0	495.8	99.2
p1 Cal 8-1000ng	8	✓	1000.0	864.2	86.4

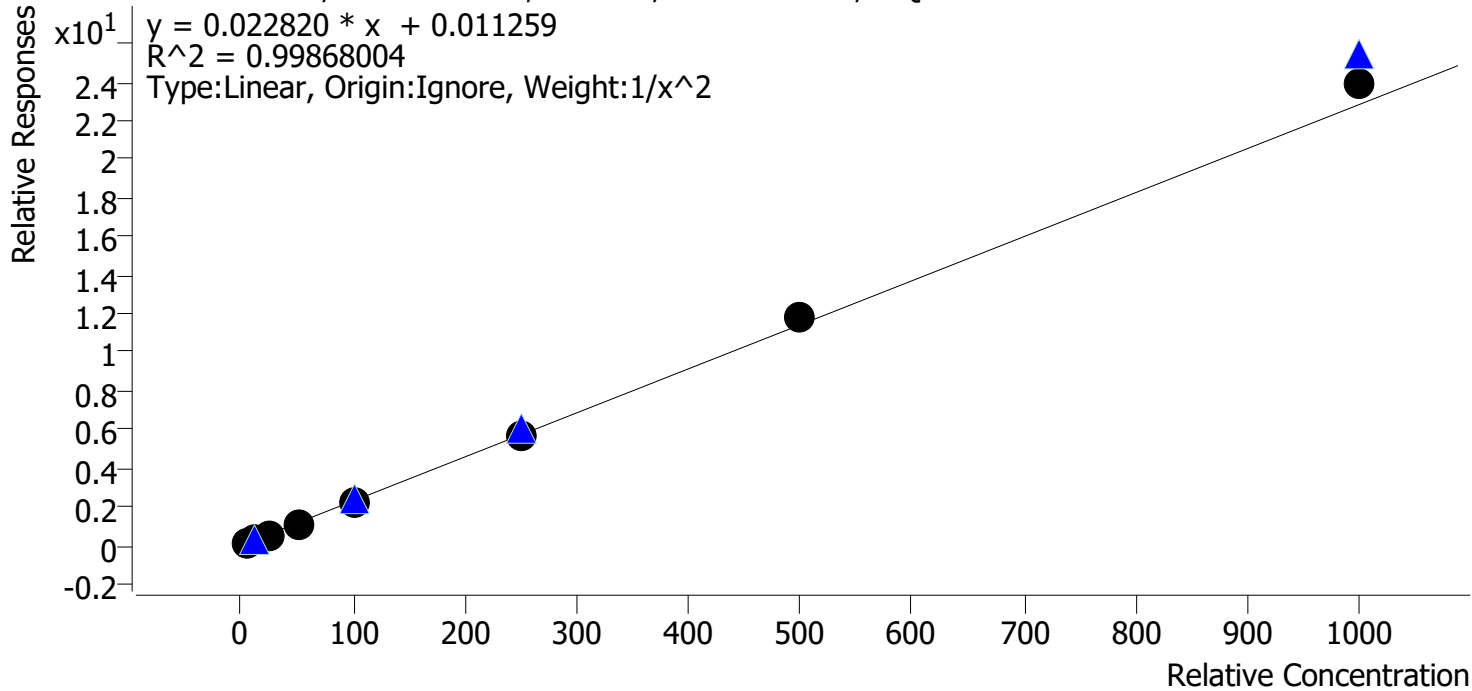
AK SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 7/26/2021 7:03 AM
Analyst Name ISP\datastor
Analyte Promethazine **Internal Standard** Promethazine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.6
p1 Cal 2-10ng	2	✓	10.0	9.6	96.4
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.6
p1 Cal 4-50ng	4	✓	50.0	48.3	96.6
p1 Cal 5-100ng	5	✓	100.0	99.5	99.5
p1 Cal 6-250ng	6	✓	250.0	248.8	99.5
p1 Cal 7-500ng	7	✓	500.0	514.6	102.9
p1 Cal 8-1000ng	8	✓	1000.0	1048.7	104.9

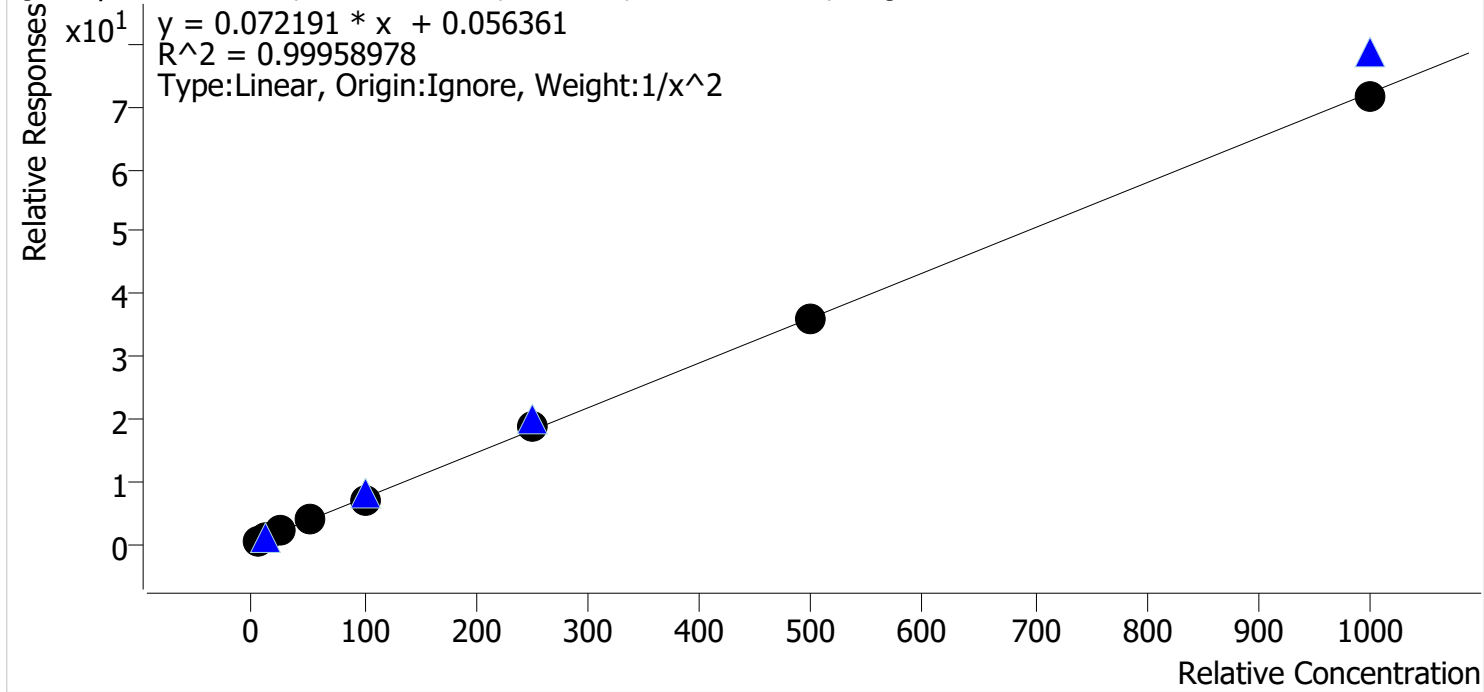
AK SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 7/26/2021 7:03 AM
Analyst Name ISP\datastor
Analyte Quetiapine **Internal Standard** Quetiapine-D8

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



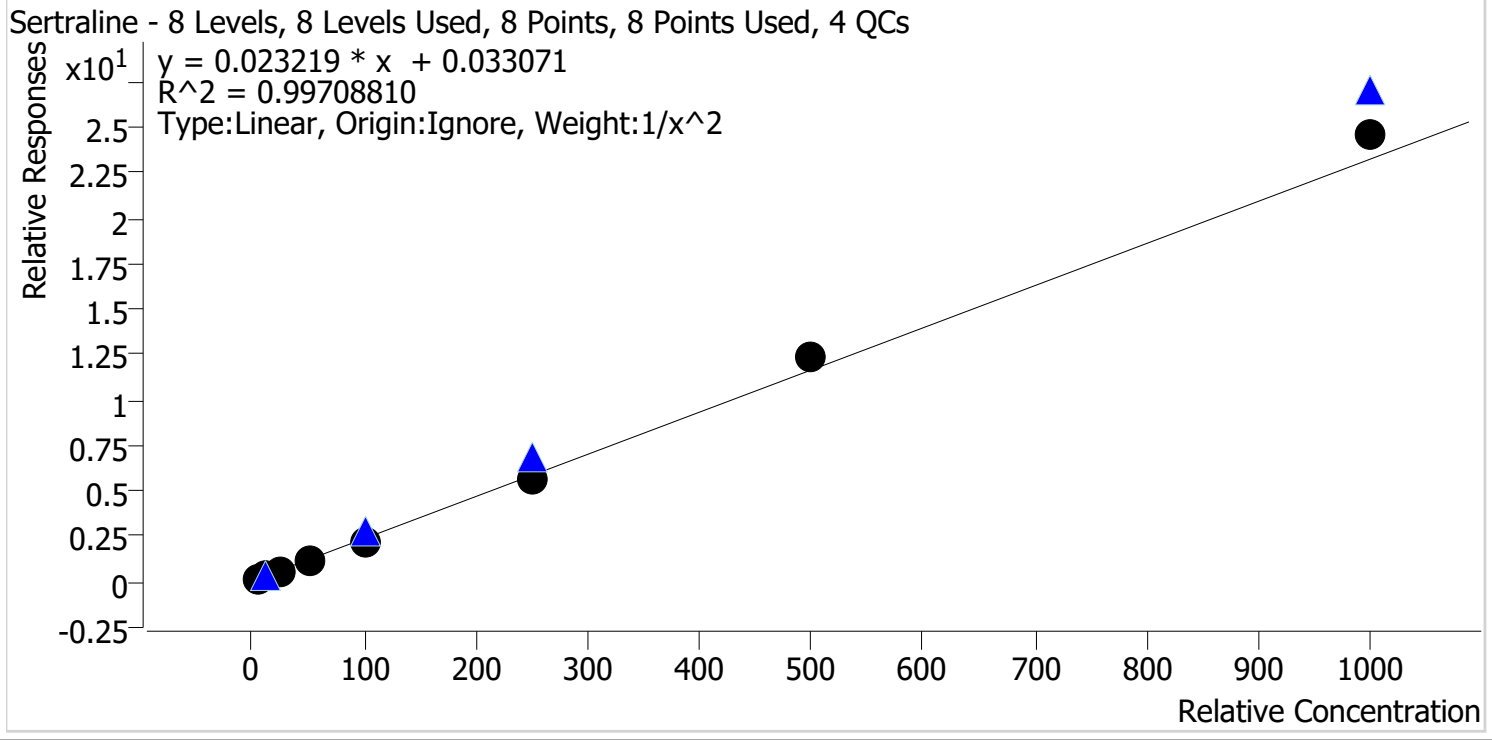
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.0
p1 Cal 2-10ng	2	✓	10.0	10.2	102.1
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.3
p1 Cal 4-50ng	4	✓	50.0	49.9	99.7
p1 Cal 5-100ng	5	✓	100.0	97.0	97.0
p1 Cal 6-250ng	6	✓	250.0	256.3	102.5
p1 Cal 7-500ng	7	✓	500.0	499.4	99.9
p1 Cal 8-1000ng	8	✓	1000.0	994.9	99.5

AK SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 7/26/2021 7:03 AM
Analyst Name ISP\datastor
Analyte Sertraline **Internal Standard** Sertraline-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.9
p1 Cal 2-10ng	2	✓	10.0	10.5	104.8
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.3
p1 Cal 4-50ng	4	✓	50.0	49.1	98.1
p1 Cal 5-100ng	5	✓	100.0	95.5	95.5
p1 Cal 6-250ng	6	✓	250.0	239.5	95.8
p1 Cal 7-500ng	7	✓	500.0	527.2	105.4
p1 Cal 8-1000ng	8	✓	1000.0	1060.6	106.1

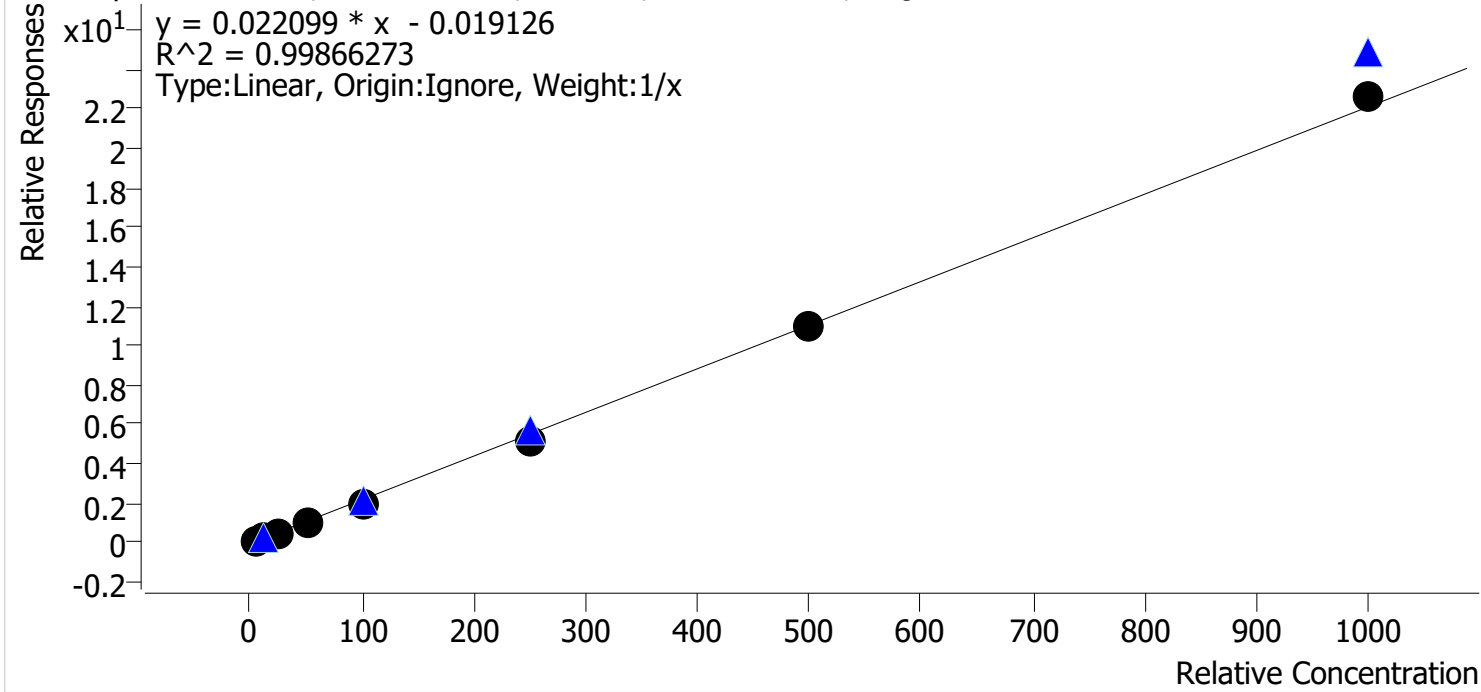
AK SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 7/26/2021 7:03 AM
Analyst Name ISP\datastor
Analyte Temazepam **Internal Standard** Temazepam-D5

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



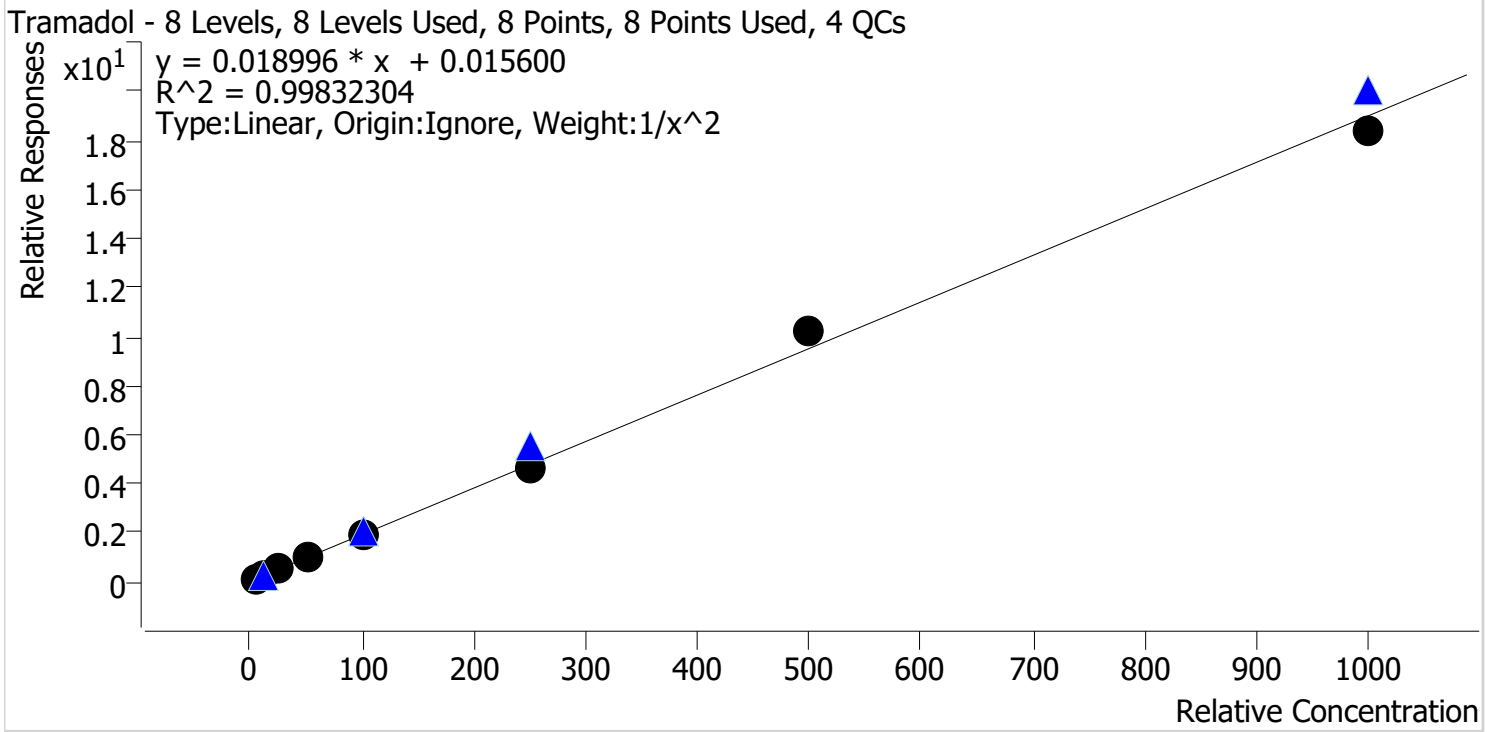
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.9	118.1
p1 Cal 2-10ng	2	✓	10.0	10.6	105.7
p1 Cal 3 -25ng	3	✓	25.0	23.1	92.4
p1 Cal 4-50ng	4	✓	50.0	46.9	93.8
p1 Cal 5-100ng	5	✓	100.0	93.1	93.1
p1 Cal 6-250ng	6	✓	250.0	236.1	94.4
p1 Cal 7-500ng	7	✓	500.0	500.1	100.0
p1 Cal 8-1000ng	8	✓	1000.0	1024.3	102.4

Handwritten initials: *AKI SC*



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 7/26/2021 7:03 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	100.4
p1 Cal 2-10ng	2	✓	10.0	10.1	100.5
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.4
p1 Cal 4-50ng	4	✓	50.0	49.8	99.6
p1 Cal 5-100ng	5	✓	100.0	100.7	100.7
p1 Cal 6-250ng	6	✓	250.0	245.3	98.1
p1 Cal 7-500ng	7	✓	500.0	538.4	107.7
p1 Cal 8-1000ng	8	✓	1000.0	964.7	96.5

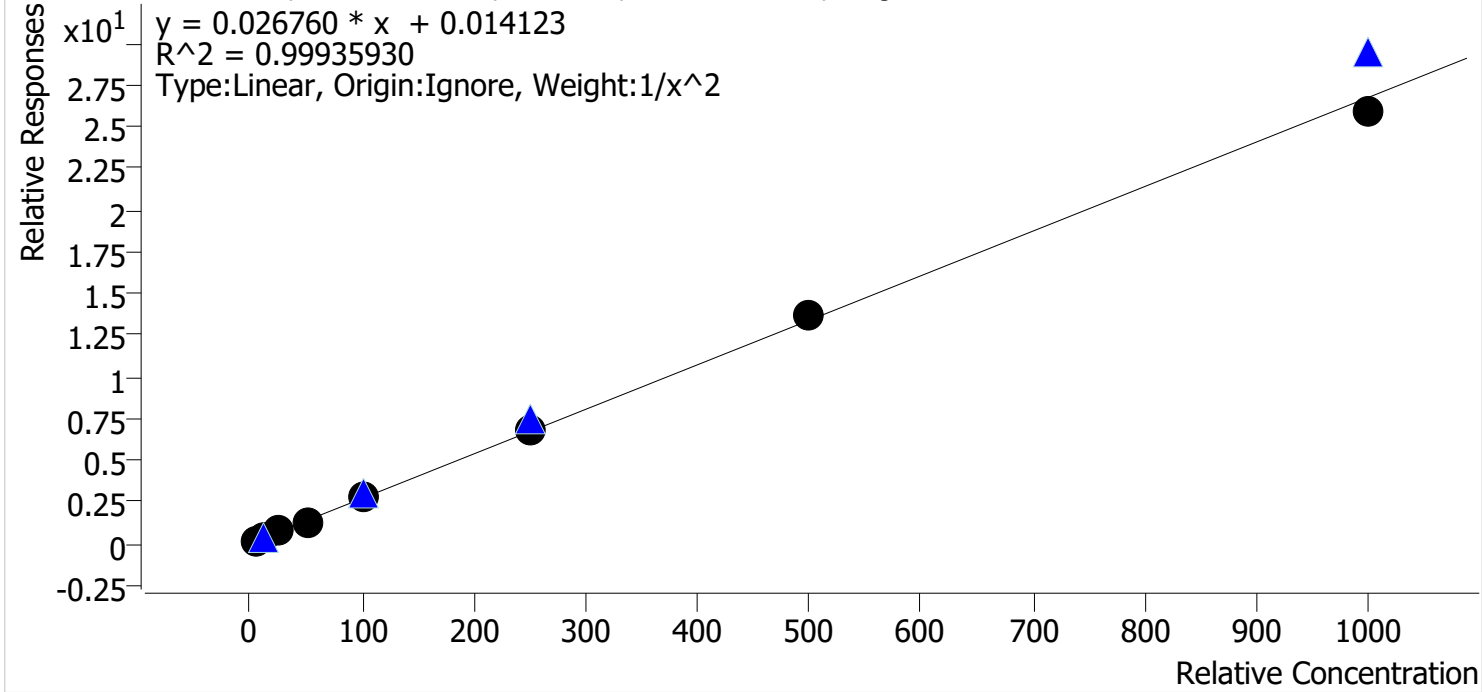
AK SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 7/26/2021 7:03 AM
Analyst Name ISP\datastor
Analyte Trazodone **Internal Standard** Trazodone-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.5
p1 Cal 2-10ng	2	✓	10.0	9.9	99.1
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.1
p1 Cal 4-50ng	4	✓	50.0	49.0	98.0
p1 Cal 5-100ng	5	✓	100.0	102.7	102.7
p1 Cal 6-250ng	6	✓	250.0	249.9	100.0
p1 Cal 7-500ng	7	✓	500.0	515.4	103.1
p1 Cal 8-1000ng	8	✓	1000.0	965.8	96.6

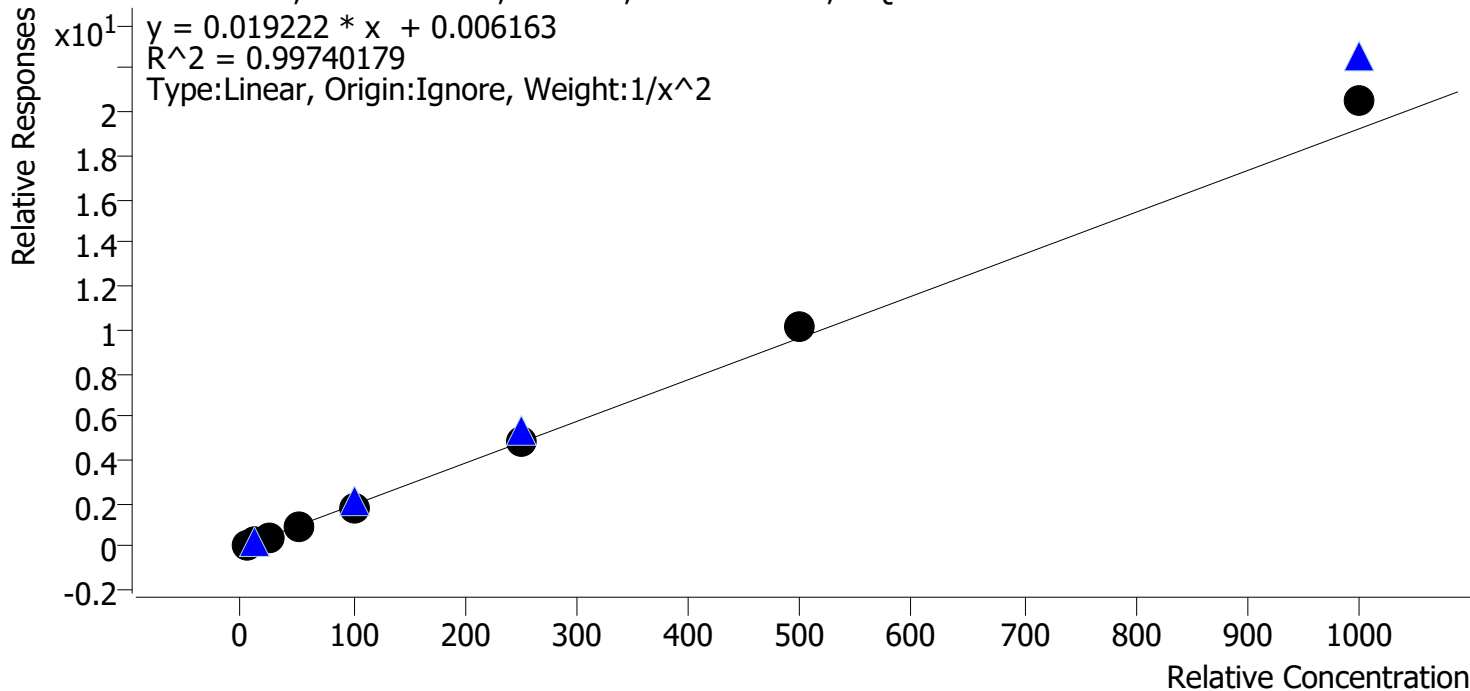
AK SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 7/26/2021 7:03 AM
Analyst Name ISP\datastor
Analyte Venlafaxine **Internal Standard** Venlafaxine-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.7
p1 Cal 2-10ng	2	✓	10.0	10.0	100.0
p1 Cal 3 -25ng	3	✓	25.0	23.5	94.2
p1 Cal 4-50ng	4	✓	50.0	47.7	95.4
p1 Cal 5-100ng	5	✓	100.0	96.5	96.5
p1 Cal 6-250ng	6	✓	250.0	251.9	100.8
p1 Cal 7-500ng	7	✓	500.0	524.1	104.8
p1 Cal 8-1000ng	8	✓	1000.0	1065.9	106.6

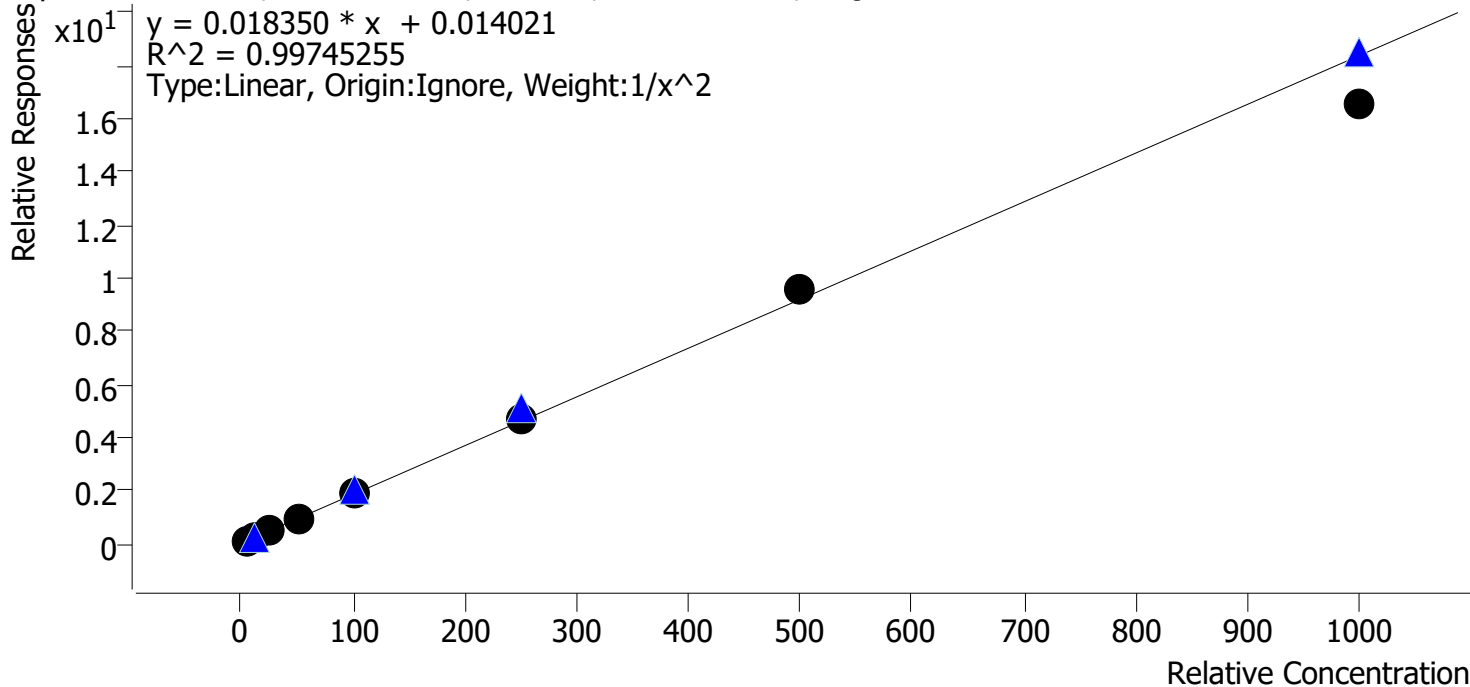
AK SC



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Last Cal. Update 7/26/2021 7:03 AM
Analyst Name ISP\datastor
Analyte Zolpidem **Internal Standard** Zolpidem-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.3
p1 Cal 2-10ng	2	✓	10.0	10.1	101.2
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.7
p1 Cal 4-50ng	4	✓	50.0	51.3	102.7
p1 Cal 5-100ng	5	✓	100.0	101.3	101.3
p1 Cal 6-250ng	6	✓	250.0	256.3	102.5
p1 Cal 7-500ng	7	✓	500.0	521.0	104.2
p1 Cal 8-1000ng	8	✓	1000.0	900.9	90.1

AM #28 Multi-Drug Quant. Results

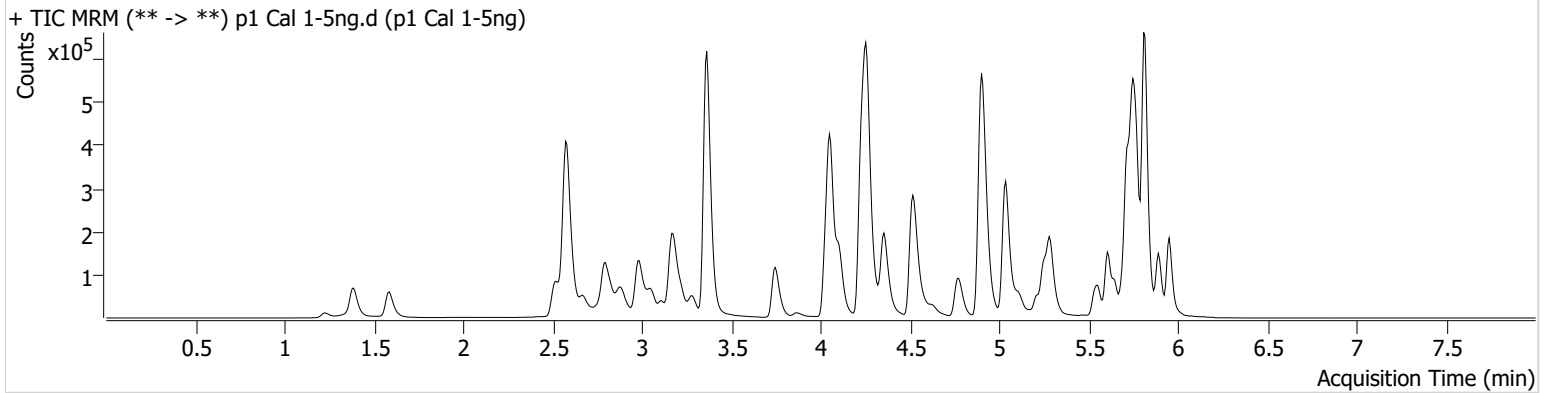
AGI SC



Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Calibration Last Update 7/26/2021 7:03:11 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	Sarah Collins
Sample Position	P2-A1	Comment	
Injection Volume	2		
Acq. Date-Time	7/21/2021 9:20:29 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	1669	61.40	74.7	4588.00	74029	0.5476 ng/ml
7-aminoclonazepam	4.271	23254	68557.32	77.9	70.01	248995	4.9994 ng/ml
a-hydroxyalprazolam	5.692	22852	271.45	57.0	615.73	422553	4.6828 ng/ml
alpha-PHP	4.930	11270	236.69	270.1	1076.61	461752	4.8941 ng/ml
alpha-PVP	4.363	56977	14021.28	53.9	290.29	461752	5.0803 ng/ml
Alprazolam	5.775	67916	292.08	109.8	580.18	422553	5.1010 ng/ml
Amphetamine	3.056	74669	305.52	50.7	331.66	154776	4.8563 ng/ml
Benzoylecgonine	3.892	3263	91.96	7.1	30.87	21210	5.7306 ng/ml
Bupropion	4.788	37771	214.55	58.5	110.56	235808	5.1172 ng/ml
Carisoprodol	5.724	65664	113614.87	59.6	448.47	636056	5.1185 ng/ml
Citalopram	5.212	13314	244.13	41.2	1458.28	109626	5.0274 ng/ml
Clonazepam	5.612	76024	639.94	29.7	549.45	171091	4.9904 ng/ml
Clonazolam	5.548	51562	36072.31	38.0	573.61	171091	5.0026 ng/ml
Cocaine	4.257	61313	3651.14	49.9	4105.62	934735	5.0961 ng/ml
Codeine	2.566	8872	544.70	93.8	1003.17	72552	4.9257 ng/ml
Dextromethorphan	5.262	5538	2572.72	76.7	122.95	44290	5.1139 ng/ml
Dextrorphan	4.105	14033	866.73	208.6	342.47	293649	5.0528 ng/ml
Diazepam	5.960	37791	245.43	88.8	113.68	326978	5.0270 ng/ml
Dihydrocodeine	2.545	19873	140035.38	72.1	821.57	217986	4.3339 ng/ml
Diphenhydramine	5.289	31558	1348.60	32.2	20537.70	355166	5.1856 ng/ml
Doxylamine	4.536	104743	13394.24	95.2	1659.57	840730	5.1151 ng/ml
EDDP	5.254	25652	117.76	38.2	18536.57	252273	5.0289 ng/ml
Etizolam	5.813	43181	122143.12	25.4	18464.40	171091	5.1759 ng/ml
Fentanyl	5.109	390	13.34	70.9	104.28	47141	0.5030 ng/ml
Flualprazolam	5.705	32502	750.74	93.8	15649.69	422553	5.0436 ng/ml
Fluoxetine	5.700	4061	∞	8.3	301.12	30276	5.0899 ng/ml
Hydrocodone	3.012	27287	205.73	40.2	54.26	281711	5.0277 ng/ml
Hydromorphone	1.595	24423	31.10	83.5	56169.51	160159	4.9772 ng/ml
Ketamine	4.051	59862	2357.04	33.7	171.65	510943	5.0134 ng/ml
Lamotrigine	4.273	5767	203.22	81.4	288.33	510943	4.8456 ng/ml
Levetiracetam	2.670	36670	503.53	156.8	414.06	1158255	4.8008 ng/ml
Lorazepam	5.747	73563	393.01	53.1	67.83	171091	4.9919 ng/ml
MDA	3.196	61224	416.59	23.3	166.27	276978	4.8547 ng/ml

AA SC

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
MDMA	3.290	40305	1855.74	73.1	256.47	63764	5.0842 ng/ml
Meprobamate	4.917	40482	140512.16	29.0	795.98	303168	4.0296 ng/ml
Methadone	5.646	15374	219.43	49.6	45.19	124863	5.7766 ng/ml
Methamphetamine	3.224	45108	323.86	35.6	173.33	314557	4.9424 ng/ml
Metoprolol	4.326	11335	2805.59	92.1	260.43	1130803	4.9872 ng/ml
Mirtazapine	4.631	23977	384.58	53.7	879.38	461752	5.1720 ng/ml
Mitragynine	5.237	2221	6441.29	36.3	2418.51	124863	4.9094 ng/ml
Morphine	1.233	3772	43.61	35.0	61.20	6725	5.0569 ng/ml
Nordiazepam	5.900	41733	386.64	56.1	551.18	238403	5.0084 ng/ml
Norfentanyl	4.079	9964	54.30	41.6	77.85	857280	0.5149 ng/ml
Norhydrocodone	3.059	4034	69.34	42.2	37.16	58545	5.1859 ng/ml
Noroxycodone	2.903	30094	251.57	39.7	1206.01	190139	5.0544 ng/ml
O-desmethyl-tramadol	3.369	145359	2896.84	6.9	278.78	1603361	5.0670 ng/ml
Oxazepam	5.756	83829	180.08	71.3	206.14	687099	4.9013 ng/ml
Oxycodone	2.827	57880	1421.21	28.7	285.51	462542	4.9835 ng/ml
Oxymorphone	1.391	32965	166.89	42.3	669.48	200053	5.0333 ng/ml
Phentermine	3.783	16713	106.70	3.6	10.25	343435	5.0059 ng/ml
Promethazine	5.538	9299	236.90	25.7	33.83	72457	5.1302 ng/ml
Pseudoephedrine	2.589	126285	1000.27	16.1	359.18	1158255	5.1421 ng/ml
Quetiapine	5.555	20361	25336.74	57.2	23048.88	49211	4.9506 ng/ml
Sertraline	5.776	1927	31.59	86.5	2952.29	13023	4.9471 ng/ml
Temazepam	5.816	138410	408.42	28.6	141.47	1242273	5.9071 ng/ml
Tramadol	4.239	125493	4872.87	3.6	24.06	1130803	5.0209 ng/ml
Trazodone	5.169	14100	14237.10	83.1	30132.52	94913	5.0237 ng/ml
Venlafaxine	5.037	83324	2069.45	37.5	243.71	801887	5.0853 ng/ml
Zolpidem	4.921	136361	1393.29	31.5	463.61	1297392	4.9637 ng/ml

AM #28 Multi-Drug Quant. Results

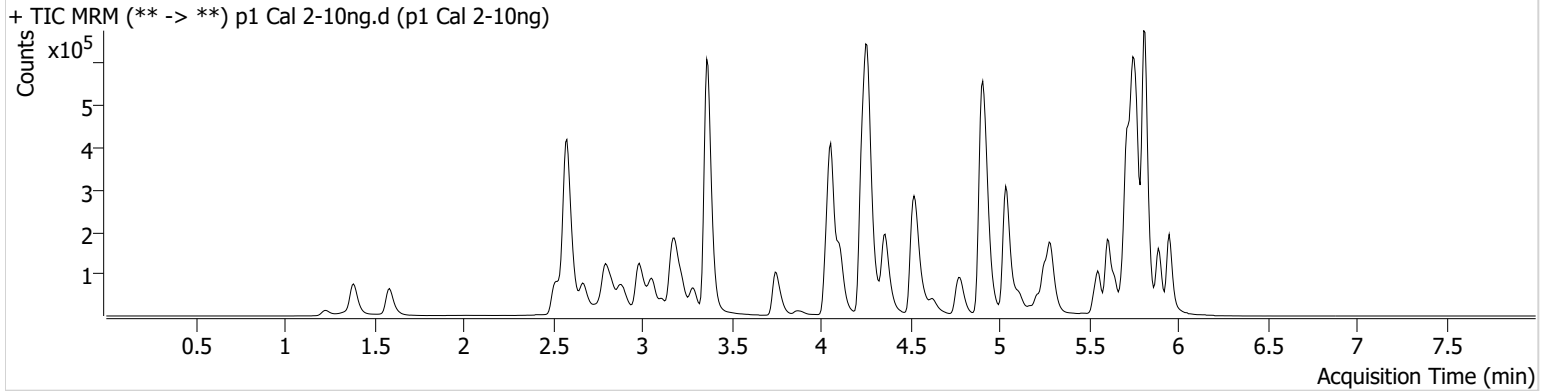
AG SC



Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Calibration Last Update 7/26/2021 7:03:11 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	Sarah Collins
Sample Position	P2-B1	Comment	
Injection Volume	2		
Acq. Date-Time	7/21/2021 9:31:15 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	2742	2944.96	66.5	4420.19	67685	1.0330 ng/ml
7-aminoclonazepam	4.271	47336	722.29	74.0	951.50	265028	9.9866 ng/ml
a-hydroxyalprazolam	5.699	44781	241.43	56.2	256.64	408676	11.0491 ng/ml
alpha-PHP	4.937	18512	668.47	263.1	2192.13	401070	10.2561 ng/ml
alpha-PVP	4.370	94018	196.03	54.5	79.29	401070	9.8868 ng/ml
Alprazolam	5.775	119302	1703.76	111.5	323.79	408676	9.7155 ng/ml
Amphetamine	3.063	120906	1137.90	51.0	120.99	133728	10.2241 ng/ml
Benzoylecgonine	3.892	5625	76.27	8.4	31.20	20511	10.1681 ng/ml
Bupropion	4.788	59949	144.13	61.9	81.08	208512	9.6073 ng/ml
Carisoprodol	5.724	120637	296074.58	59.1	341.66	618213	9.8217 ng/ml
Citalopram	5.219	20618	165.48	42.7	8675.35	88749	10.0600 ng/ml
Clonazepam	5.612	135923	391.84	31.0	488.63	166713	9.9913 ng/ml
Clonazolam	5.548	96873	148460.33	36.3	70599.40	166713	10.1864 ng/ml
Cocaine	4.264	100110	5286.54	51.3	568.59	834973	9.8360 ng/ml
Codeine	2.566	14734	359.23	100.3	521.71	66949	9.9948 ng/ml
Cyclobenzaprine	5.622	6805	26.44	8.4	54.24	26319	10.2586 ng/ml
Dextromethorphan	5.262	8905	84.85	82.8	14314.17	41104	9.8041 ng/ml
Dextrophan	4.111	23281	52143.69	208.2	2502.04	258317	10.0433 ng/ml
Diazepam	5.960	64116	212.28	88.2	1644.29	298417	9.8825 ng/ml
Dihydrocodeine	2.545	37382	2349.84	68.0	408.62	208430	10.1354 ng/ml
Diphenhydramine	5.289	47686	310.11	35.3	344.26	306258	9.4406 ng/ml
Doxylamine	4.536	171149	804.05	99.2	5636.02	752895	9.7054 ng/ml
EDDP	5.254	39704	2083.74	41.5	1371.47	201506	10.2021 ng/ml
Etizolam	5.813	77729	4183.21	25.7	25460.71	166713	9.6957 ng/ml
Fentanyl	5.109	786	30.99	77.1	946.42	45825	0.9781 ng/ml
Flualprazolam	5.705	55650	1052.86	100.7	4196.23	408676	9.7345 ng/ml
Fluoxetine	5.700	6238	41.00	7.5	172.33	26000	9.6516 ng/ml
Hydrocodone	3.012	43824	83.99	41.5	71.92	260082	9.7126 ng/ml
Hydromorphone	1.595	43730	506.41	77.9	3045.21	144491	10.2676 ng/ml
Ketamine	4.051	99907	4476.47	35.7	261.74	464499	9.9163 ng/ml
Lamotrigine	4.280	10048	107.04	74.7	1152.21	464499	10.3234 ng/ml
Levetiracetam	2.676	65176	844.16	164.4	1213.00	1075303	10.6935 ng/ml
Lorazepam	5.747	121780	550.83	58.1	221.15	166713	9.8354 ng/ml

AA SC



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
MDA	3.196	106759	872.23	22.9	220.87	253709	10.3190 ng/ml
MDMA	3.290	68814	788.36	73.1	377.06	59385	9.8663 ng/ml
Meprobamate	4.924	74318	255.80	28.5	769.45	297769	10.0142 ng/ml
Methadone	5.646	24685	61490.67	47.7	281.08	106086	10.4560 ng/ml
Methamphetamine	3.231	69483	245.17	37.9	341.72	270717	10.1476 ng/ml
Metoprolol	4.326	19931	14474.83	98.3	157.52	1046622	10.1197 ng/ml
Mirtazapine	4.631	39562	443.63	52.5	637.94	401070	9.5222 ng/ml
Mitragynine	5.237	3911	15180.72	35.7	4517.29	106086	10.4900 ng/ml
Morphine	1.233	6208	2869.63	39.2	121.92	6046	9.9344 ng/ml
Nordiazepam	5.900	72428	6521.09	55.9	71677.68	220557	10.0128 ng/ml
Norfentanyl	4.086	17428	328.92	34.8	45.43	777460	0.9824 ng/ml
Norhydrocodone	3.059	6721	75.65	45.3	22.97	52152	9.6832 ng/ml
Noroxycodone	2.903	51116	563.90	42.7	284.00	176588	9.7518 ng/ml
O-desmethyl-tramadol	3.369	254454	1183.33	6.8	191.79	1472594	9.9982 ng/ml
Oxazepam	5.756	143220	543.20	71.8	108.31	599035	10.3143 ng/ml
Oxycodone	2.827	100447	776.20	27.2	2496.66	426285	10.0630 ng/ml
Oxymorphone	1.391	57357	657.23	43.4	183.88	190342	9.8733 ng/ml
Phentermine	3.783	26074	75.65	4.1	∞	301674	9.6824 ng/ml
Promethazine	5.538	14800	97.27	28.0	10.25	64005	9.6396 ng/ml
Pseudoephedrine	2.589	222441	3926.05	16.0	7936.67	1075303	9.8457 ng/ml
Quetiapine	5.555	33843	135.13	58.7	32764.89	42640	10.2136 ng/ml
Sertraline	5.776	3202	86.54	96.3	60.45	11584	10.4822 ng/ml
Temazepam	5.816	240323	1749.51	29.2	39.26	1120684	10.5690 ng/ml
Tramadol	4.246	216237	915.43	3.5	155.66	1046622	10.0550 ng/ml
Trazodone	5.169	23676	48554.45	82.2	31718.77	84742	9.9127 ng/ml
Venlafaxine	5.037	138957	321.97	36.4	312.41	700496	9.9994 ng/ml
Zolpidem	4.928	240077	7100.12	31.3	3339.48	1201978	10.1208 ng/ml

AM #28 Multi-Drug Quant. Results

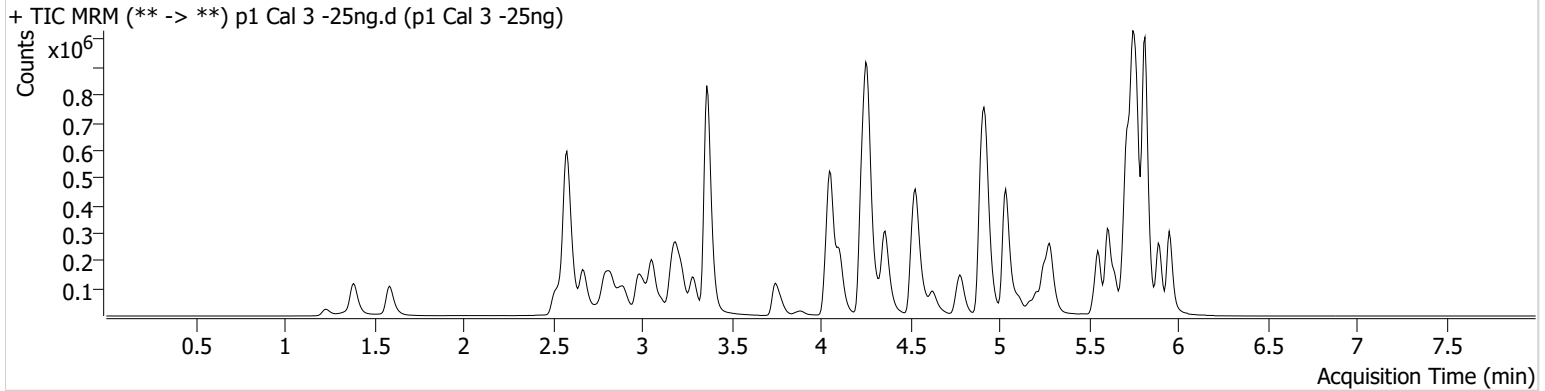
AG SC



Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Calibration Last Update 7/26/2021 7:03:11 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	Sarah Collins
Sample Position	P2-C1	Comment	
Injection Volume	2		
Acq. Date-Time	7/21/2021 9:41:50 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	6921	373.31	65.9	123.81	77316	2.3569 ng/ml
7-aminoclonazepam	4.271	118633	∞	75.8	451133.28	270562	25.1940 ng/ml
a-hydroxyalprazolam	5.692	104451	413.59	58.1	590.54	431727	26.2335 ng/ml
alpha-PHP	4.937	49292	853.31	272.7	7255.29	466262	24.9405 ng/ml
alpha-PVP	4.370	263375	682.98	52.6	490.56	466262	24.1928 ng/ml
Alprazolam	5.775	308668	939.48	113.0	867.46	431727	24.5945 ng/ml
Amphetamine	3.063	335148	1663.39	50.4	646.48	155018	26.2358 ng/ml
Benzoylecgonine	3.892	13953	82.11	7.4	88.54	22234	23.1884 ng/ml
Buprenorphine	5.873	1344	17.14	16.7	238.19	21553	2.5794 ng/ml
Bupropion	4.788	163293	5650.22	60.0	1426.39	228984	24.6156 ng/ml
Carisoprodol	5.724	305445	286105.26	58.6	658.27	650769	23.8552 ng/ml
Citalopram	5.212	59975	113.20	41.4	93.19	111446	23.9418 ng/ml
Clonazepam	5.612	345295	22375.89	31.6	26011.76	181473	24.6509 ng/ml
Clonazepam	5.548	236817	4919.97	38.8	135936.16	181473	23.6022 ng/ml
Cocaine	4.264	267910	375.94	51.5	525.60	946699	24.0722 ng/ml
Codeine	2.566	39040	3338.17	98.3	429.31	72675	26.4312 ng/ml
Cyclobenzaprine	5.615	18297	83284.07	9.9	7.89 Low	31754	23.4141 ng/ml
Dextromethorphan	5.262	24399	205.86	81.6	162.83	50655	23.3720 ng/ml
Dextrophan	4.111	62646	716.46	214.4	343.17	303678	23.7360 ng/ml
Diazepam	5.960	178774	370.53	86.5	217.99	337660	25.2692 ng/ml
Dihydrocodeine	2.545	95442	123.13	69.2	6033.05	230372	25.5929 ng/ml
Diphenhydramine	5.289	140919	4092.91	33.8	153.38	363641	24.1960 ng/ml
Doxylamine	4.536	468963	1727.73	96.2	19539.25	852315	24.1330 ng/ml
EDDP	5.254	102727	1458.03	43.0	101636.31	230104	23.7332 ng/ml
Etizolam	5.813	199694	171471.14	25.1	99529.68	181473	23.0985 ng/ml
Fentanyl	5.109	2584	193.03	54.0	3752.36	53579	2.6400 ng/ml
Flualprazolam	5.705	140940	3761.07	100.3	9911.15	431727	24.7984 ng/ml
Fluoxetine	5.700	19365	648.22	7.9	62.07	32708	24.8360 ng/ml
Hydrocodone	3.012	121581	340.56	41.5	∞	295880	25.5650 ng/ml
Hydromorphone	1.595	111773	1276.94	81.5	5361.09	162146	23.8909 ng/ml
Ketamine	4.051	265542	23174.31	35.9	532.67	511180	25.1563 ng/ml
Lamotrigine	4.273	26627	593.60	80.1	1076.40	511180	26.4485 ng/ml
Levetiracetam	2.670	157439	1747.74	167.9	1994.68	1185459	25.3880 ng/ml

AA SC

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	319648	2503.95	56.5	444.18	181473	26.4516 ng/ml
MDA	3.196	280725	1009.78	23.2	522.95	282368	26.0044 ng/ml
MDMA	3.290	183158	351939.80	74.0	1743.78	67809	23.8701 ng/ml
Meprobamate	4.917	180377	289277.97	29.1	151.39	310389	27.1116 ng/ml
Methadone	5.646	72314	349.01	51.2	215.36	131213	24.0553 ng/ml
Methamphetamine	3.231	180016	341.02	38.2	503.44	307175	25.2849 ng/ml
Metoprolol	4.326	51969	450.37	95.1	1104.67	1184962	24.2406 ng/ml
Mirtazapine	4.631	110276	970.83	53.9	6410.89	466262	22.3606 ng/ml
Mitragynine	5.237	10745	5193.50	39.1	4256.41	131213	23.6601 ng/ml
Morphine	1.233	15443	5111.26	41.3	414.66	6565	23.8148 ng/ml
Nordiazepam	5.900	196819	1378.64	53.8	837.44	254326	24.5526 ng/ml
Norfentanyl	4.079	46912	751.40	35.2	257.78	864718	2.3613 ng/ml
Norhydrocodone	3.059	18315	71.53	42.8	90.23	59915	22.9406 ng/ml
Noroxycodone	2.903	139001	1061.94	40.8	499.57	192437	25.2510 ng/ml
O-desmethyl-tramadol	3.369	663759	2605.11	6.9	1318.84	1656902	23.6756 ng/ml
Oxazepam	5.749	375508	238.71	73.4	215.02	677437	24.8878 ng/ml
Oxycodone	2.827	268274	746.31	27.2	445.96	481289	24.8548 ng/ml
Oxymorphone	1.391	146000	2780.87	42.7	252.11	201155	24.9187 ng/ml
Phentermine	3.783	73281	9168.56	4.1	25.94	338753	25.7657 ng/ml
Promethazine	5.538	47048	412.82	28.2	100.41	82831	24.3968 ng/ml
Pseudoephedrine	2.589	574022	8079.97	16.4	3061.20	1185459	23.1804 ng/ml
Quetiapine	5.555	92368	4623.75	54.7	101906.04	49500	25.0676 ng/ml
Sertraline	5.769	8593	17.13	100.7	455.90	14659	23.8214 ng/ml
Temazepam	5.816	606876	579.09	30.0	1632.66	1235206	23.0975 ng/ml
Tramadol	4.246	561224	1404.06	3.7	392.51	1184962	24.1115 ng/ml
Trazodone	5.169	69150	59096.85	82.9	4002.78	101137	25.0225 ng/ml
Venlafaxine	5.037	371409	889.09	37.5	1627.26	809827	23.5393 ng/ml
Zolpidem	4.928	618713	2065741.63	30.9	1860.91	1325197	24.6796 ng/ml

AM #28 Multi-Drug Quant. Results

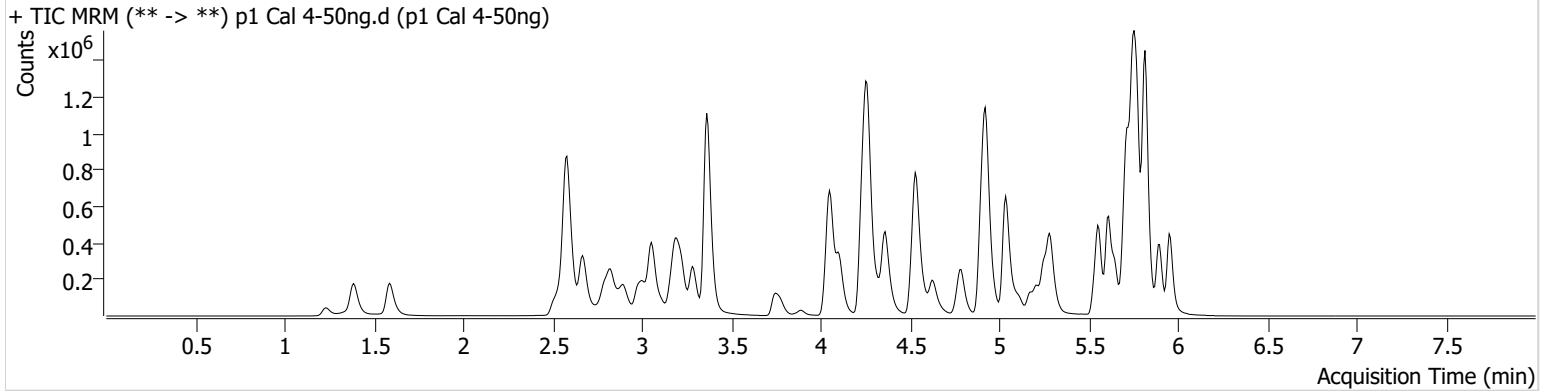
AG SC



Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Calibration Last Update 7/26/2021 7:03:11 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	Sarah Collins
Sample Position	P2-D1	Comment	
Injection Volume	2		
Acq. Date-Time	7/21/2021 9:52:28 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	14602	356.80	69.3	493.60	80989	4.8095 ng/ml
7-aminoclonazepam	4.271	253419	1424972.67	74.7	3242.84	296397	49.5698 ng/ml
a-hydroxyalprazolam	5.692	201352	853.15	58.9	130.56	434507	51.6398 ng/ml
alpha-PHP	4.930	105101	2403.43	270.9	9760.55	478105	53.0744 ng/ml
alpha-PVP	4.363	537504	39148.86	53.2	1010.56	478105	48.4097 ng/ml
Alprazolam	5.775	606397	6811.90	111.2	3131.87	434507	48.5339 ng/ml
Amphetamine	3.056	716554	1634.54	51.0	333.03	169300	52.5910 ng/ml
Benzoylecgonine	3.892	29385	701.10	8.5	108.89	22693	47.7815 ng/ml
Buprenorphine	5.867	3667	123.71	17.8	709.56	29851	4.9059 ng/ml
Bupropion	4.788	363348	12132.41	59.0	1202.85	253930	49.9267 ng/ml
Carisoprodol	5.724	581978	388.39	59.1	736.53	624893	47.4965 ng/ml
Citalopram	5.212	153546	775.92	41.1	585.19	137989	50.0223 ng/ml
Clonazepam	5.612	687838	15447.66	32.0	10267.11	175569	51.8152 ng/ml
Clonazepam	5.549	478298	437975.00	37.2	245190.51	175569	49.9059 ng/ml
Cocaine	4.257	551858	617.04	52.1	6971.65	984777	48.2850 ng/ml
Codeine	2.566	78442	886.41	99.2	239522.91	76166	51.9681 ng/ml
Cyclobenzaprine	5.615	77537	2106.85	9.5	102.65	63376	50.2183 ng/ml
Dextromethorphan	5.262	71873	2314.22	78.5	503.71	72057	49.7781 ng/ml
Dextrophan	4.105	131958	1078.64	202.8	657.83	315072	48.7875 ng/ml
Diazepam	5.960	349903	612.06	88.6	524.67	343176	49.2420 ng/ml
Dihydrocodeine	2.545	197677	865.73	70.3	13443.14	239368	52.6680 ng/ml
Diphenhydramine	5.289	372218	1352.94	34.0	642.62	477689	49.1270 ng/ml
Doxylamine	4.536	1010601	21019.61	94.6	875.24	905352	49.4239 ng/ml
EDDP	5.254	213439	223.64	42.3	1450.81	239906	47.7810 ng/ml
Etizolam	5.813	397574	13731.17	25.4	156177.66	175569	47.7007 ng/ml
Fentanyl	5.109	9151	46.62	67.4	18283.63	103370	4.7947 ng/ml
Flualprazolam	5.705	290446	18128.02	98.5	439475.86	434507	51.8728 ng/ml
Fluoxetine	5.700	85501	149.84	9.4	272.19	71031	51.2108 ng/ml
Hydrocodone	3.005	255218	∞	41.4	148.94	313684	51.8996 ng/ml
Hydromorphone	1.595	246034	5496.46	79.5	922542.79	172666	49.8067 ng/ml
Ketamine	4.051	545853	4009.37	35.4	873.22	536773	50.0626 ng/ml
Lamotrigine	4.273	54901	835.64	79.4	1889.78	536773	53.0218 ng/ml
Levetiracetam	2.670	330519	2855.46	167.5	3875.33	1263871	51.5842 ng/ml

AA SC

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	568227	12848.41	59.4	850.24	175569	50.2260 ng/ml
MDA	3.196	588934	2205.75	23.3	1085.86	304879	51.6508 ng/ml
MDMA	3.290	382021	3304.59	73.8	749.94	68688	49.8436 ng/ml
Meprobamate	4.917	342535	27431.68	28.6	104.36	305704	54.9249 ng/ml
Methadone	5.646	205622	5437.20	50.6	3741.27	185813	47.7793 ng/ml
Methamphetamine	3.224	370295	1262.93	37.7	334.01	324991	50.7162 ng/ml
Metoprolol	4.326	108838	1011.01	94.4	1063.26	1204206	50.7165 ng/ml
Mirtazapine	4.631	282971	10343.03	53.1	395.59	478105	55.4509 ng/ml
Mitragynine	5.237	34176	45127.45	39.8	28935.00	185813	53.5061 ng/ml
Morphine	1.233	34712	1487.54	38.8	203.04	7179	49.8133 ng/ml
Norbuprenorphine	4.992	640	302.12	78.2	23.94	4840	4.9322 ng/ml
Nordiazepam	5.900	390760	1067.43	53.7	5937.62	248911	50.5318 ng/ml
Norfentanyl	4.079	99742	280.86	34.1	149.12	935733	4.6284 ng/ml
Norhydrocodone	3.053	37884	162.64	41.3	386.37	58346	48.7063 ng/ml
Noroxycodone	2.896	284595	282.66	42.6	1534.34	200818	50.1314 ng/ml
O-desmethyl-tramadol	3.369	1382600	42986.14	6.8	342.61	1692380	48.6729 ng/ml
Oxazepam	5.756	712963	2450.52	72.7	1385.76	621537	52.2940 ng/ml
Oxycodone	2.821	563517	672.83	27.6	10916.21	503627	50.6671 ng/ml
Oxymorphone	1.385	294191	683.61	44.5	∞	206001	49.8113 ng/ml
Phentermine	3.783	152818	315.81	4.1	153.12	349009	53.1959 ng/ml
Promethazine	5.538	176026	4072.07	28.3	40.07	158050	48.3111 ng/ml
Pseudoephedrine	2.583	1253889	2167.68	16.2	4084.35	1263871	47.5985 ng/ml
Quetiapine	5.555	232666	238.21	57.4	8304.51	63645	49.8584 ng/ml
Sertraline	5.776	38868	134.99	95.4	150627.58	33157	49.0623 ng/ml
Temazepam	5.816	1200462	12595.98	29.0	1322.63	1180484	46.8813 ng/ml
Tramadol	4.246	1158146	30929.43	3.6	1415.68	1204206	49.8080 ng/ml
Trazodone	5.169	189424	235894.92	83.4	180875.48	142985	48.9780 ng/ml
Venlafaxine	5.037	768334	14926.62	36.9	996.19	832056	47.7196 ng/ml
Zolpidem	4.928	1302409	3618.53	30.6	916.30	1362051	51.3465 ng/ml

AM #28 Multi-Drug Quant. Results

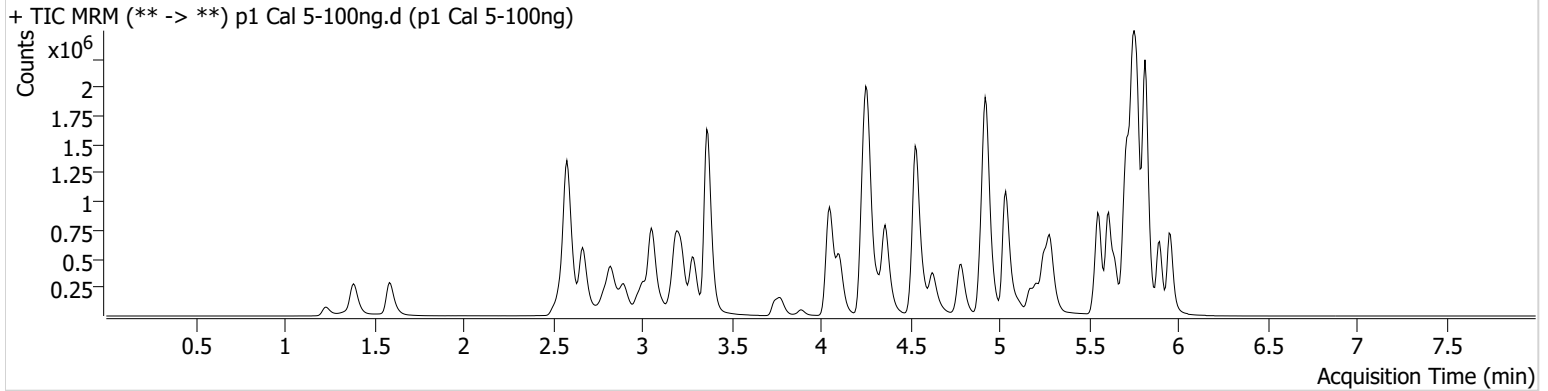
AGI SC



Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Calibration Last Update 7/26/2021 7:03:11 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	Sarah Collins
Sample Position	P2-E1	Comment	
Injection Volume	2		
Acq. Date-Time	7/21/2021 10:03:04 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	29418	1009.04	68.8	814.40	82294	9.5965 ng/ml
7-aminoclonazepam	4.271	458482	5025.70	77.3	160.50	268361	99.5151 ng/ml
a-hydroxyalprazolam	5.692	372512	754.49	56.0	725.51	416849	100.9956 ng/ml
alpha-PHP	4.930	221599	4306.31	264.2	4633.73	504136	107.2483 ng/ml
alpha-PVP	4.363	1139051	21941.99	52.5	8918.11	504136	97.5544 ng/ml
Alprazolam	5.775	1175300	2306.91	111.3	6656.88	416849	98.6148 ng/ml
Amphetamine	3.056	1449117	21137.94	50.1	4563.87	171226	106.4450 ng/ml
Benzoylecgonine	3.892	58735	2720.06	6.9	530.12	22303	97.1138 ng/ml
Buprenorphine	5.873	6716	7776.43	13.5	2337.55	28745	9.1659 ng/ml
Bupropion	4.788	722572	14823.35	60.9	763.24	256389	98.8496 ng/ml
Carisoprodol	5.724	1071070	2370284.36	58.6	8881.45	560097	97.6982 ng/ml
Citalopram	5.212	317325	2778.56	40.7	6844.04	143887	99.6176 ng/ml
Clonazepam	5.612	1288919	2410.13	31.4	512904.59	168139	102.3422 ng/ml
Clonazepam	5.549	925167	25715.32	38.0	640661.73	168139	101.3926 ng/ml
Cocaine	4.257	1143911	874.55	51.8	45004.50	1003762	98.8443 ng/ml
Codeine	2.566	147755	584.67	101.2	447766.91	73956	102.1416 ng/ml
Cyclobenzaprine	5.615	133230	6094.18	9.0	1075.48	55878	98.2915 ng/ml
Dextromethorphan	5.262	135025	279.95	79.5	263.64	68193	100.0851 ng/ml
Dextrophan	4.105	277616	19712.60	204.5	45533.09	330710	98.3699 ng/ml
Diazepam	5.960	697670	18942.91	88.3	8445.36	342108	99.1159 ng/ml
Dihydrocodeine	2.545	386587	1367.94	69.2	546.91	241202	103.7829 ng/ml
Diphenhydramine	5.289	739534	30648.53	34.1	1479.08	480423	97.5101 ng/ml
Doxylamine	4.536	2167169	4985.17	97.7	1011.17	989482	97.4094 ng/ml
EDDP	5.254	542914	267.01	41.4	3596.76	304404	96.2764 ng/ml
Etizolam	5.813	767717	4699.52	25.4	241102.60	168139	96.3418 ng/ml
Fentanyl	5.109	15217	166.28	59.8	92.94	85394	9.5901 ng/ml
Flualprazolam	5.705	555959	688.55	96.6	47254.06	416849	104.5395 ng/ml
Fluoxetine	5.707	126098	320.35	8.5	16270.46	53898	100.1901 ng/ml
Hydrocodone	3.005	499018	596.58	42.0	∞	319302	100.8949 ng/ml
Hydromorphone	1.595	471631	25.15	78.0	2018.70	165269	100.1454 ng/ml
Ketamine	4.051	1099831	675.80	36.3	1953.79	548256	99.5871 ng/ml
Lamotrigine	4.273	102936	847.74	81.0	7807.75	548256	98.2736 ng/ml
Levetiracetam	2.670	616379	3434.24	165.5	5338.50	1243346	99.2580 ng/ml

AK SC

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	1016986	4347.98	58.8	2654.74	168139	95.5485 ng/ml
MDA	3.196	1176590	4887.44	23.4	2119.67	304922	104.3642 ng/ml
MDMA	3.290	785455	1908.84	74.8	767.03	72914	97.1552 ng/ml
Meprobamate	4.917	633231	33904.34	28.3	25133.40	300890	105.6707 ng/ml
Methadone	5.646	393816	3725.98	51.8	2197.44	186147	90.8724 ng/ml
Methamphetamine	3.224	772307	6248.38	37.9	4739.92	345226	101.1645 ng/ml
Metoprolol	4.326	225514	13027.86	91.6	6362.70	1237239	103.0083 ng/ml
Mirtazapine	4.631	544134	4835.89	53.2	3121.75	504136	100.8455 ng/ml
Mitragynine	5.237	62320	5359.39	38.3	32.25	186147	97.6338 ng/ml
Morphine	1.233	66928	568.36	39.0	145.01	6842	101.6059 ng/ml
Norbuprenorphine	4.986	1042	931.51	92.7	1048.44	4406	10.2074 ng/ml
Nordiazepam	5.900	757055	754.65	54.4	9947.25	246067	99.7075 ng/ml
Norfentanyl	4.079	200702	725.14	35.1	895.02	931139	9.3475 ng/ml
Norhydrocodone	3.053	71595	130.97	43.5	89.39	56951	94.2830 ng/ml
Noroxycodone	2.896	541152	809.26	42.4	8351.03	195836	98.3311 ng/ml
O-desmethyl-tramadol	3.369	2777067	35945.53	6.8	522.97	1704045	97.4684 ng/ml
Oxazepam	5.756	1293409	15435.30	73.7	733.95	586506	101.2166 ng/ml
Oxycodone	2.821	1114884	5959.44	27.3	586.02	509072	99.9057 ng/ml
Oxymorphone	1.385	572448	2176.35	43.9	∞	200730	100.2745 ng/ml
Phentermine	3.783	319198	2271.98	3.9	37.86	374727	104.4506 ng/ml
Promethazine	5.532	319830	325.23	27.7	315.70	140152	99.5059 ng/ml
Pseudoephedrine	2.589	2468584	27722.77	16.3	22160.28	1243346	95.3561 ng/ml
Quetiapine	5.555	464469	204684.60	58.6	474125.60	65825	96.9619 ng/ml
Sertraline	5.776	58461	1207.73	98.4	287023.35	25967	95.5392 ng/ml
Temazepam	5.816	2270925	17297.10	28.9	1456.95	1113526	93.1484 ng/ml
Tramadol	4.246	2386066	1533.92	3.6	691.48	1237239	100.7025 ng/ml
Trazodone	5.169	373087	1271260.63	81.0	292.12	135002	102.7439 ng/ml
Venlafaxine	5.037	1649554	934.93	37.4	568.84	886201	96.5165 ng/ml
Zolpidem	4.928	2598636	3850.40	31.0	292.14	1387478	101.3043 ng/ml

AM #28 Multi-Drug Quant. Results

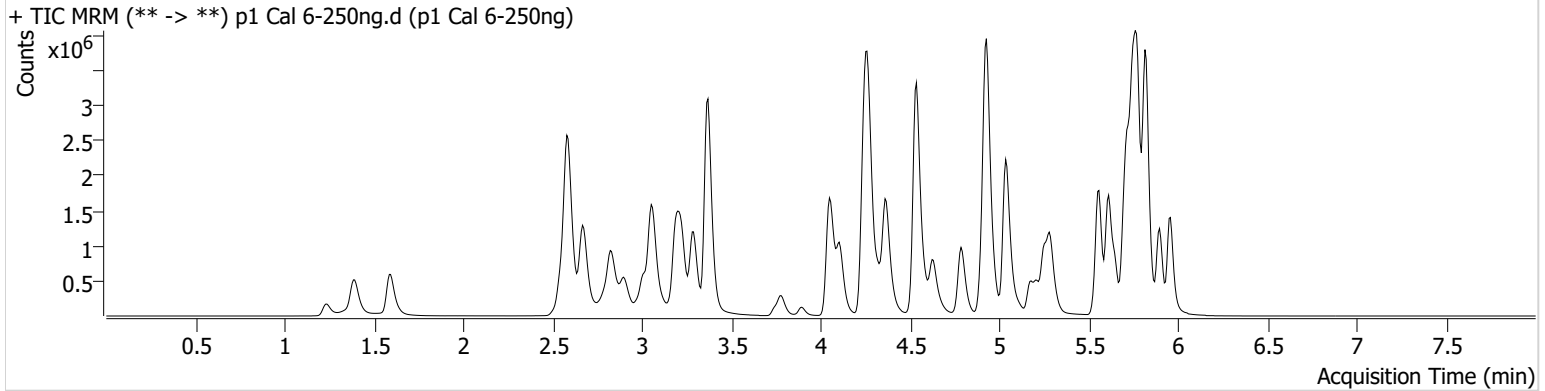
AGI SC



Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Calibration Last Update 7/26/2021 7:03:11 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	Sarah Collins
Sample Position	P2-F1	Comment	
Injection Volume	2		
Acq. Date-Time	7/21/2021 10:13:41 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	73986	1194.68	70.2	909.12	79395	25.1152 ng/ml
7-aminoclonazepam	4.271	954879	8804.26	76.7	30528.46	219445	254.1801 ng/ml
a-hydroxyalprazolam	5.692	680598	463.29	56.0	237.28	357943	216.6062 ng/ml
alpha-PPH	4.937	488390	2758.71	269.3	1370.22	476226	251.7186 ng/ml
alpha-PVP	4.370	2733756	15438.00	52.9	13217.10	476226	248.2584 ng/ml
Alprazolam	5.775	2608932	6678.33	110.7	3058.06	357943	255.8054 ng/ml
Amphetamine	3.056	3158967	27293.86	50.1	1801.39	158606	252.2436 ng/ml
Benzoylecgonine	3.892	144438	8649.63	8.1	93.43	21822	243.9852 ng/ml
Buprenorphine	5.873	12082	580.50	14.7	4127.08	20017	23.3908 ng/ml
Bupropion	4.788	1677969	54983.52	61.7	376.84	240777	245.2166 ng/ml
Carisoprodol	5.724	2118866	4521852.22	59.2	6112.92	438855	246.9199 ng/ml
Citalopram	5.212	615015	469.07	40.0	413.65	112087	248.5690 ng/ml
Clonazepam	5.612	2792749	28794.32	31.3	382.34	146543	255.9135 ng/ml
Clonazepam	5.548	2019312	1032631.24	38.5	98581.82	146543	254.7938 ng/ml
Cocaine	4.264	2661330	2606.72	51.8	18744.63	938184	246.9742 ng/ml
Codeine	2.566	325389	∞	97.2	8020.98	69184	242.3661 ng/ml
Cyclobenzaprine	5.615	196998	361.32	9.6	1200.78	33029	246.5531 ng/ml
Dextromethorphan	5.262	247193	1003.49	81.4	214.31	50401	249.8081 ng/ml
Dextrophan	4.111	653101	6859.42	205.1	2171.91	305356	251.5314 ng/ml
Diazepam	5.960	1583540	11158.23	87.8	11123.82	304428	253.7850 ng/ml
Dihydrocodeine	2.545	921395	9113.26	68.5	1029.64	232642	258.9070 ng/ml
Diphenhydramine	5.289	1463606	13741.49	33.4	4755.01	379302	245.1382 ng/ml
Doxylamine	4.536	5227439	129134.29	94.1	73211.90	909503	256.3572 ng/ml
EDDP	5.254	1224625	50589.19	41.7	558.30	268564	246.9066 ng/ml
Etizolam	5.813	1758754	18186.89	24.7	2240.07	146543	253.4914 ng/ml
Fentanyl	5.109	24848	79783.35	66.4	95.76	55265	24.1037 ng/ml
Flualprazolam	5.705	1159400	10010.26	103.7	64204.15	357943	255.3785 ng/ml
Fluoxetine	5.707	143272	7683.38	8.4	1128.60	24671	249.7210 ng/ml
Hydrocodone	3.012	1186306	∞	42.2	2252.75	303130	254.6171 ng/ml
Hydromorphone	1.595	1094354	4443.96	78.9	8716.28	152683	252.1268 ng/ml
Ketamine	4.051	2730608	25697.36	35.1	6496.04	537475	253.5160 ng/ml
Lamotrigine	4.280	228909	3913.46	81.7	3429.62	537475	224.3577 ng/ml
Levetiracetam	2.670	1387518	1559.79	167.7	5559.25	1125114	249.3618 ng/ml

AGI SC

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	1611231	65921.45	57.9	2059.85	146543	175.2728 ng/ml
MDA	3.196	2634833	11746.51	22.8	1784.06	283897	252.6948 ng/ml
MDMA	3.290	1929132	5230.46	73.4	3492.47	69062	252.9706 ng/ml
Meprobamate	4.917	1211412	328.84	29.0	367.55	259101	238.2490 ng/ml
Methadone	5.646	742891	1236.16	50.0	523.43	133835	237.5831 ng/ml
Methamphetamine	3.224	1672266	1375.59	37.0	1005.98	304257	250.9464 ng/ml
Metoprolol	4.326	533255	776.91	93.5	4015.49	1245957	242.8384 ng/ml
Mirtazapine	4.631	1182073	4661.59	53.4	1582.43	476226	231.4777 ng/ml
Mitragynine	5.237	105899	527.58	39.6	41094.08	133835	231.1566 ng/ml
Morphine	1.233	162638	8228.43	38.2	461.85	6474	262.2072 ng/ml
Norbuprenorphine	4.992	1984	12.00	95.8	10.61	3583	26.2791 ng/ml
Nordiazepam	5.900	1660433	1119.38	54.5	1050.82	212261	254.6038 ng/ml
Norfentanyl	4.079	497184	848.27	33.9	1670.03	885543	24.3297 ng/ml
Norhydrocodone	3.053	149770	193.89	42.9	92.03	46097	243.6398 ng/ml
Noroxycodone	2.903	1172820	15292.05	43.1	828.13	168024	249.3199 ng/ml
O-desmethyl-tramadol	3.369	6870750	188665.55	6.7	12244.18	1609747	255.8821 ng/ml
Oxazepam	5.756	2269478	52167.45	72.8	5523.61	414094	252.6429 ng/ml
Oxycodone	2.821	2716996	1999.08	27.5	9561.00	499379	249.3394 ng/ml
Oxymorphone	1.391	1309864	∞	41.6	∞	179971	257.1653 ng/ml
Phentermine	3.783	728848	218.70	3.9	114.45	347167	258.9265 ng/ml
Promethazine	5.532	457964	2073.61	27.8	828.50	80516	248.7507 ng/ml
Pseudoephedrine	2.589	5797235	104272.71	16.1	102322.74	1125114	247.6260 ng/ml
Quetiapine	5.555	985235	20266.85	58.9	393.68	53077	256.3468 ng/ml
Sertraline	5.776	69216	5829.33	97.9	1280.27	12375	239.4774 ng/ml
Temazepam	5.823	4492422	76493.92	28.8	7231.08	864295	236.0655 ng/ml
Tramadol	4.246	5825653	1550.56	3.6	2654.62	1245957	245.3176 ng/ml
Trazodone	5.176	778661	411.59	82.4	32205.29	116198	249.8881 ng/ml
Venlafaxine	5.037	4110049	57061.38	36.0	734.67	847717	251.9135 ng/ml
Zolpidem	4.928	6353806	29153.65	29.9	5535.60	1347173	256.2650 ng/ml

AM #28 Multi-Drug Quant. Results

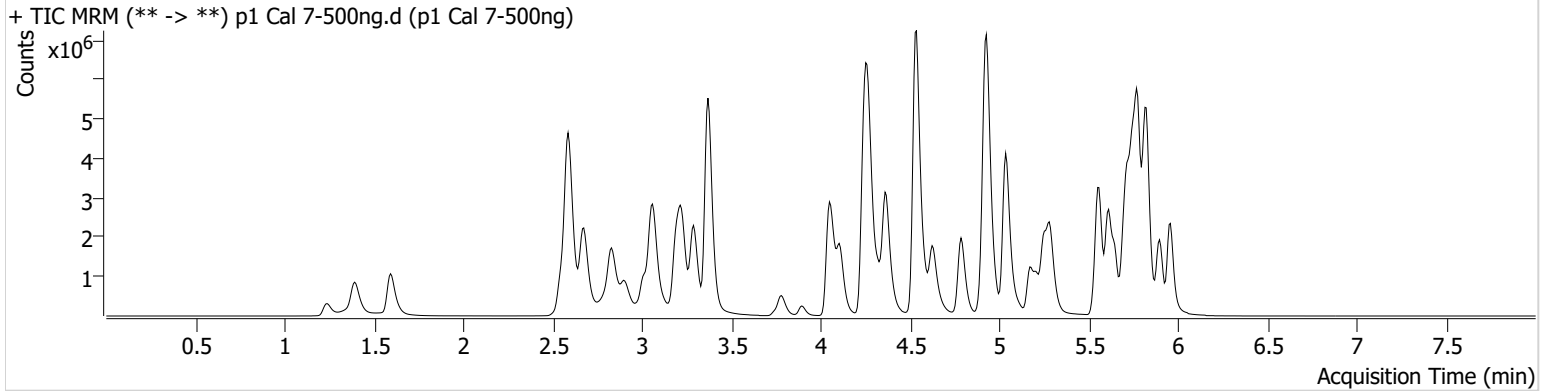
AG SC



Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Calibration Last Update 7/26/2021 7:03:11 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	Sarah Collins
Sample Position	P2-G1	Comment	
Injection Volume	2		
Acq. Date-Time	7/21/2021 10:24:18 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	150291	1936.61	70.0	864.29	81535	49.7387 ng/ml
7-aminoclonazepam	4.278	1707173	19577.21	77.9	28346.39	197821	504.5656 ng/ml
a-hydroxyalprazolam	5.692	927387	767.59	55.7	464.52	314651	336.5949 ng/ml
alpha-PHP	4.937	870323	3061.98	270.0	63096.77	459970	465.3710 ng/ml
alpha-PVP	4.370	5478002	5814.31	51.3	1322.74	459970	515.3318 ng/ml
Alprazolam	5.775	4667272	2106.46	111.8	2186.74	314651	521.1607 ng/ml
Amphetamine	3.063	6075079	6696.64	49.1	4964.54	157430	489.9228 ng/ml
Benzoylcegonine	3.892	300816	14534.37	7.6	12984.92	22408	494.7990 ng/ml
Buprenorphine	5.867	27855	60647.07	15.1	3786.67	20221	53.1499 ng/ml
Bupropion	4.788	3504841	8771.11	61.0	2480.49	244346	505.2744 ng/ml
Carisoprodol	5.724	3166708	566750.56	58.5	12965.93	314379	515.3228 ng/ml
Citalopram	5.212	1336206	6001.35	40.7	14469.63	120204	504.0764 ng/ml
Clonazepam	5.612	4550856	210032.76	30.6	95593.77	117425	521.4572 ng/ml
Clonazepam	5.549	3439767	775602.40	37.9	2415210.02	117425	542.3042 ng/ml
Cocaine	4.257	5133656	126182.53	50.6	70253.30	861956	519.2327 ng/ml
Codeine	2.566	547658	1362.81	97.7	320.62	60998	463.9466 ng/ml
Cyclobenzaprine	5.615	499758	937.28	9.1	143.76	40305	513.0451 ng/ml
Dextromethorphan	5.262	541895	727.58	82.1	131.63	53959	512.8718 ng/ml
Dextrophan	4.111	1200624	1946.16	209.7	41713.26	274544	514.9015 ng/ml
Diazepam	5.960	2867304	474.22	88.8	22289.07	282302	496.1378 ng/ml
Dihydrocodeine	2.545	1723846	3726.28	68.4	563.98	233245	484.5799 ng/ml
Diphenhydramine	5.289	3177498	96466.94	33.6	362.12	395862	510.4412 ng/ml
Doxylamine	4.536	11768629	2457.75	95.4	1901.29	987162	532.2233 ng/ml
EDDP	5.254	2762126	39006.16	41.3	23783.08	287181	521.3341 ng/ml
Etizolam	5.813	3167611	13477.24	25.2	18037.24	117425	569.9586 ng/ml
Fentanyl	5.109	64776	10991.25	63.0	52005.31	66641	52.0380 ng/ml
Flualprazolam	5.705	2035788	26183.88	100.6	70028.73	314651	511.1589 ng/ml
Fluoxetine	5.700	300671	5253.44	8.5	100.61	25939	499.1295 ng/ml
Hydrocodone	3.012	2307534	∞	41.4	1724.91	299987	501.7171 ng/ml
Hydromorphone	1.595	2086370	9293545.32	78.8	2020162.11	143515	511.7874 ng/ml
Ketamine	4.051	5472869	169534.16	35.0	1943.93	534747	511.5716 ng/ml
Lamotrigine	4.280	405147	22154.00	80.5	4158.85	534747	399.9983 ng/ml
Levetiracetam	2.676	2432658	7628.73	167.5	18499.94	1060064	465.4348 ng/ml

AK SC

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	1784190	16346.87	58.2	1266.44	117425	242.9548 ng/ml
MDA	3.196	4544635	3472.76	23.0	3746.35	246965	502.2050 ng/ml
MDMA	3.290	3702936	8941.10	74.8	13154.98	66109	507.9228 ng/ml
Meprobamate	4.917	1804775	31059.01	29.1	18338.16	229074	403.4294 ng/ml
Methadone	5.646	1728024	954.71	49.2	7890.22	148123	498.7590 ng/ml
Methamphetamine	3.231	3789824	15344.31	36.7	17266.81	347404	499.7046 ng/ml
Metoprolol	4.326	998731	923830.66	93.5	1289.51	1077466	526.7691 ng/ml
Mirtazapine	4.631	2654716	9393.17	52.7	504625.90	459970	537.7821 ng/ml
Mitragynine	5.237	241012	1600.29	39.5	801.79	148123	475.6470 ng/ml
Morphine	1.240	302232	1403.74	41.9	160.21	6232	506.9673 ng/ml
Norbuprenorphine	4.992	3508	72.12	100.4	222.96	3731	45.8676 ng/ml
Nordiazepam	5.900	2820705	∞	54.0	969.07	182613	503.4231 ng/ml
Norfentanyl	4.079	1011271	∞	34.3	2533.19	831227	52.7067 ng/ml
Norhydrocodone	3.060	270692	144.95	43.4	178.07	39354	515.7782 ng/ml
Noroxycodone	2.903	1966834	1254.99	42.9	635.32	139702	503.5001 ng/ml
O-desmethyl-tramadol	3.369	13712589	5096.39	6.4	2288.34	1522816	540.2575 ng/ml
Oxazepam	5.749	2717108	13418.01	71.8	14694.30	256084	489.7993 ng/ml
Oxycodone	2.827	5410638	17930.37	27.0	1092.37	485863	511.1539 ng/ml
Oxymorphone	1.391	2326357	1272.40	42.9	∞	161912	508.4616 ng/ml
Phentermine	3.783	1438323	2862.03	3.9	1192.27	358449	495.8163 ng/ml
Promethazine	5.532	1179402	7279419.82	28.6	2314.16	100337	514.5891 ng/ml
Pseudoephedrine	2.589	11798630	46519.84	15.5	41136.33	1060064	535.0146 ng/ml
Quetiapine	5.555	2227663	39883.14	58.4	877.31	61699	499.3544 ng/ml
Sertraline	5.776	145345	11863.97	95.4	694.12	11842	527.1881 ng/ml
Temazepam	5.823	6909471	127111.95	27.8	627.29	626290	500.0810 ng/ml
Tramadol	4.246	11035653	21903.67	3.5	242.32	1077466	538.3581 ng/ml
Trazodone	5.169	1998037	6370.65	80.3	57759.93	144732	515.3562 ng/ml
Venlafaxine	5.037	8188783	76400.16	35.8	956.23	812287	524.1453 ng/ml
Zolpidem	4.928	13093769	7523.23	29.4	8074.29	1367583	521.0103 ng/ml

AM #28 Multi-Drug Quant. Results

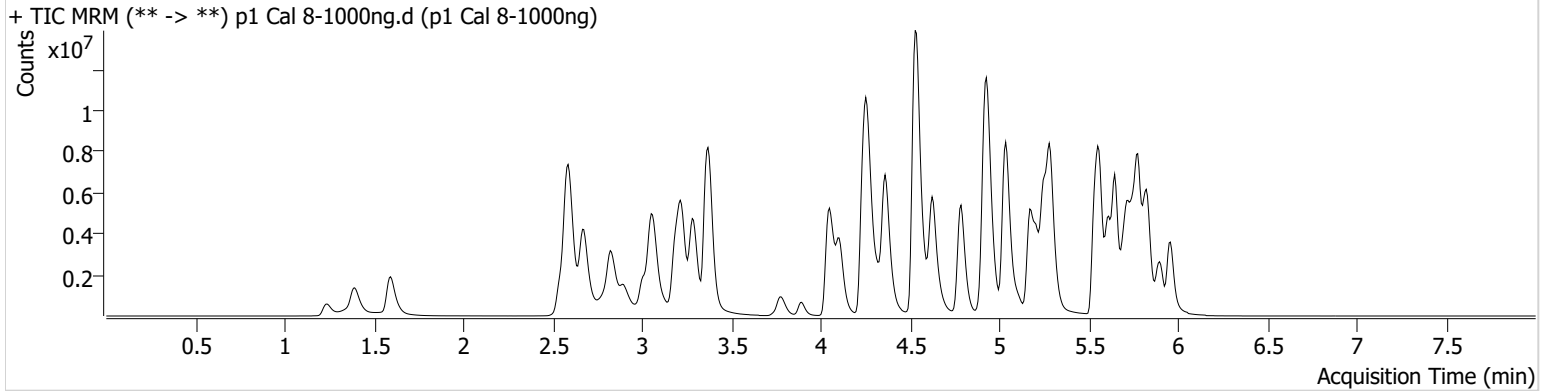
AG SC



Batch results D:\MassHunter\Data\2021\AM 27-28\072121 AM 27 28 SC\QuantResults\AM 28.batch.bin
Calibration Last Update 7/26/2021 7:03:11 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	Sarah Collins
Sample Position	P2-H1	Comment	
Injection Volume	2		
Acq. Date-Time	7/21/2021 10:34:54 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	312795	1206.91	70.0	1494.77	83785	100.8027 ng/ml
7-aminoclonazepam	4.278	2131563	16555.91	81.1	10713.41	127059	981.2948 ng/ml
a-hydroxyalprazolam	5.685	1074823	200.81	57.5	213.01	246488	498.7141 ng/ml
alpha-PHP	4.937	1981954	33286.07	272.3	94427.91	526845	926.3618 ng/ml
alpha-PVP	4.363	12904198	119317.72	51.8	115414.21	526845	1060.1233 ng/ml
Alprazolam	5.775	7026720	4739.54	109.6	1650.34	246488	1002.1072 ng/ml
Amphetamine	3.063	11547670	86497.85	48.3	29347.83	172306	851.8037 ng/ml
Benzoylecgonine	3.892	808347	4469.24	8.1	219.61	29287	1017.2335 ng/ml
Buprenorphine	5.873	139764	271547.61	14.1	27850.92	50224	107.1850 ng/ml
Bupropion	4.788	10025867	254694.83	59.1	29400.48	335658	1052.7526 ng/ml
Carisoprodol	5.724	4037130	133115.09	57.4	4983.76	188704	1094.6876 ng/ml
Citalopram	5.212	5076847	223398.90	40.3	500.67	223233	1031.7923 ng/ml
Clonazepam	5.612	5576197	78596.28	30.5	58070.96	84324	890.4690 ng/ml
Clonazepam	5.555	4192840	38858.22	38.1	336706.37	84324	920.9255 ng/ml
Cocaine	4.257	9966529	2215.46	50.3	1149.94	825043	1053.7908 ng/ml
Codeine	2.566	835107	1535.88	95.4	9026.64	57365	753.1415 ng/ml
Cyclobenzaprine	5.615	3891634	4033.68	9.2	949.98	155197	1037.9926 ng/ml
Dextromethorphan	5.262	2423486	1755.13	80.3	60250.26	119093	1040.5485 ng/ml
Dextrophan	4.105	2785226	27178.05	209.4	1350.88	315416	1040.2864 ng/ml
Diazepam	5.960	4956316	22758.61	86.6	80836.26	239346	1012.1734 ng/ml
Dihydrocodeine	2.538	3026458	1620.17	69.1	1231.95	251623	789.6581 ng/ml
Diphenhydramine	5.289	12807302	2226.72	32.9	23068.29	746256	1091.9115 ng/ml
Doxylamine	4.529	25330113	185644.97	96.6	235024.50	1144222	988.6746 ng/ml
EDDP	5.254	8074962	346901.11	40.1	49751.18	406968	1076.0152 ng/ml
Etizolam	5.813	5184394	6245.80	24.5	74668.81	84324	1299.2348 ng/ml
Fentanyl	5.109	480019	19860.30	65.2	682569.08	247667	103.7013 ng/ml
Flualprazolam	5.705	2802994	18985.73	104.9	5909.13	246488	899.2091 ng/ml
Fluoxetine	5.707	2280460	139979.54	8.6	5142.59	98249	1000.1712 ng/ml
Hydrocodone	3.005	4451457	478.50	41.5	860.06	311986	931.7544 ng/ml
Hydromorphone	1.595	4105078	3565404.54	79.4	2398954.09	145664	992.4957 ng/ml
Ketamine	4.051	11161765	292867.52	34.5	10661.17	578543	965.1087 ng/ml
Lamotrigine	4.280	577598	754.05	81.7	2995.41	578543	527.4468 ng/ml
Levetiracetam	2.676	4731120	11181.27	168.3	90199.67	959076	1002.3979 ng/ml

AA SC

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	1795762	32589.48	57.2	808.85	84324	341.2993 ng/ml
MDA	3.189	8060290	43932.29	22.5	3738.76	254519	865.1279 ng/ml
MDMA	3.290	8043143	149871.09	74.7	11765.66	69803	1045.5759 ng/ml
Meprobamate	4.911	2191571	52151.39	28.9	20599.23	199377	563.9878 ng/ml
Methadone	5.646	8965373	188262.78	48.5	295207.15	373847	1024.7183 ng/ml
Methamphetamine	3.224	9414644	4351.00	35.9	27586.27	451716	956.2034 ng/ml
Metoprolol	4.326	1860483	2016843.18	93.3	9730.16	1111680	951.6673 ng/ml
Mirtazapine	4.624	9861784	2691.62	52.1	6190.95	526845	1743.4244 ng/ml
Mitragynine	5.230	1406693	59506.03	39.1	891520.92	373847	1100.3359 ng/ml
Morphine	1.240	603813	2008.40	39.5	∞	6529	967.4995 ng/ml
Norbuprenorphine	4.986	17303	3107.02	93.7	3351.34	8414	102.4296 ng/ml
Nordiazepam	5.900	4125857	33529.43	54.8	24940.77	137031	981.9669 ng/ml
Norfentanyl	4.079	1994874	23487.75	34.1	7884.46	747843	115.5505 ng/ml
Norhydrocodone	3.053	552962	346.37	42.1	155.36	35936	1153.7982 ng/ml
Noroxycodone	2.896	3177415	620.40	42.8	2904.92	112170	1013.6696 ng/ml
O-desmethyl-tramadol	3.369	24236995	118564.90	6.9	36752.75	1472895	987.5810 ng/ml
Oxazepam	5.749	2498256	10962.96	71.2	49913.32	122181	944.5885 ng/ml
Oxycodone	2.821	10853744	1227.75	26.9	38953.86	513573	970.7396 ng/ml
Oxymorphone	1.391	4295160	∞	42.8	∞	157678	964.7057 ng/ml
Phentermine	3.783	2930297	38193.93	3.8	317.68	419352	864.1821 ng/ml
Promethazine	5.532	9647232	4672.23	27.2	100712.32	402936	1048.6707 ng/ml
Pseudoephedrine	2.589	21820036	156560.27	15.4	65892.99	959076	1093.7297 ng/ml
Quetiapine	5.555	7346777	1202.05	58.5	20129.64	102206	994.9427 ng/ml
Sertraline	5.776	1147514	20999.72	98.5	32553.85	46537	1060.5837 ng/ml
Temazepam	5.830	8138746	168538.05	28.3	18462.30	359863	1024.2503 ng/ml
Tramadol	4.239	20389170	1008.12	3.6	978.00	1111680	964.6928 ng/ml
Trazodone	5.169	8333656	304688.21	82.0	80038.99	322260	965.8385 ng/ml
Venlafaxine	5.037	18651150	124355.32	35.4	45927.00	910022	1065.9346 ng/ml
Zolpidem	4.928	23578764	11777.26	30.9	29490.87	1425065	900.9275 ng/ml