

Worklist: 4836

REVIEWED
By: Beverly White on 12:14 pm, Mar 12, 2021

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2020-5027	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-0484	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-0533	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-0671	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0050	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0220	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0324	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0437	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0440	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0455	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0458	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0459	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0471	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0472	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0482	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0525	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0527	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0528	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0535	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0564	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

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AM# 28: Multi-Drug Quantitation in Blood by LC-MS/MSExtraction Date: 03/09/21Analyst: Sarah Collins

Plate lot#: IDP-121-201207

Plate Expiration: 06/07/2021

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 20L20724**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 5-100, Amphetamine 5-500, Buprenorphine 2.5-100, Codeine 5-500, Dihydrocodeine 5-500, Etizolam 5-500, Lamotrigine 5-250, Lorazepam 5-100, MDA 5-500, Meprobamate 5-250, Norbuprenorphine 1-100, Phentermine 5-500, ~~Trazadone 5-500~~ Trazodone 5-500*

3/12/21 SC

*Hydromorphone ISTD missing. Morphine-D6 used as the Hydromorphone ISTD and thus reported qualitatively.
Alprazolam-D5 used as alpha-hydroxyalprazolam ISTD and thus reported qualitatively
QC 100 for Morphine had high accuracy and ratio, thus Morphine reported qualitatively for this run.*

8C

	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1	m2021-0533-1	p2021-0437-1	IS + Cal. 1	IS + QC_1	p2021-0527-1					IS + Cal. 8
B	IS + Cal. 2	IS + QC_2	p2021-0050-1	p2021-0455-1	IS + Cal. 2	IS + QC_2	p2021-0101-1					IS + Cal. 7
C	IS + Cal. 3	IS + QC_3	m2021-0671-2	p2021-0458-1	IS + Cal. 3	IS + QC_3	p2021-0564-1					IS + Cal. 6
D	IS + Cal. 4	IS + QC_4	p2021-0440-1	p2021-0459-1	IS + Cal. 4	IS + QC_4					IS + QC_2	IS + Cal. 5
E	IS + Cal. 5	IS + QC_2	p2021-0220-1	p2021-0482-1	IS + Cal. 5	IS + QC_2					IS + QC_4	IS + Cal. 4
F	IS + Cal. 6	negative	p2021-0075-1	p2021-0528-1	IS + Cal. 6	m2021-0052-3					IS + QC_3	IS + Cal. 3
G	IS + Cal. 7	m2020-5027-1	p2021-0324-1	p2021-0472-1	IS + Cal. 7	p2021-0471-1 blank start					IS + QC_2	IS + Cal. 2
H	IS + Cal. 8	m2021-0484-2	p2021-0279-1	p2021-0535-1	IS + Cal. 8	p2021-0525-1					IS + QC_1	IS + Cal. 1

All wells to contain 60 μ l of Trapping Solution

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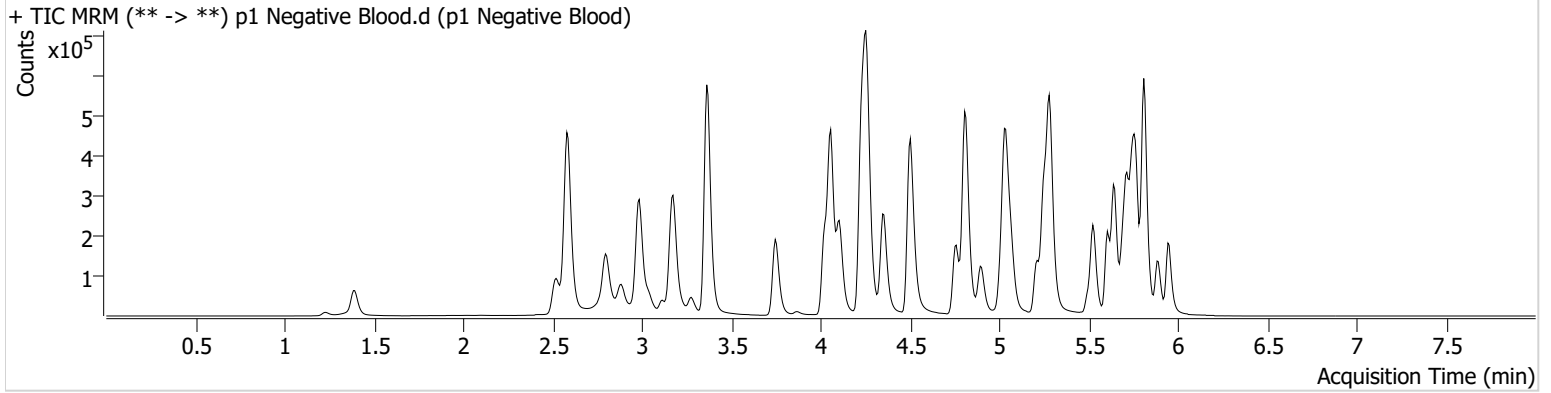


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Calibration Last Update 3/10/2021 11:28:47 AM

Instrument Type	Instrument 1 Sample	Data File	p1 Negative Blood.d
Acq. Method	AM 28 MDQ P1.m	Sample	p1 Negative Blood
Sample Position	P2-F2	Operator	Sarah Collins
Injection Volume	2	Comment	
Acq. Date-Time	3/9/2021 10:52:36 PM		
Sample Info.			

Sample Chromatogram



AM #28 Multi-Drug Quant. Results

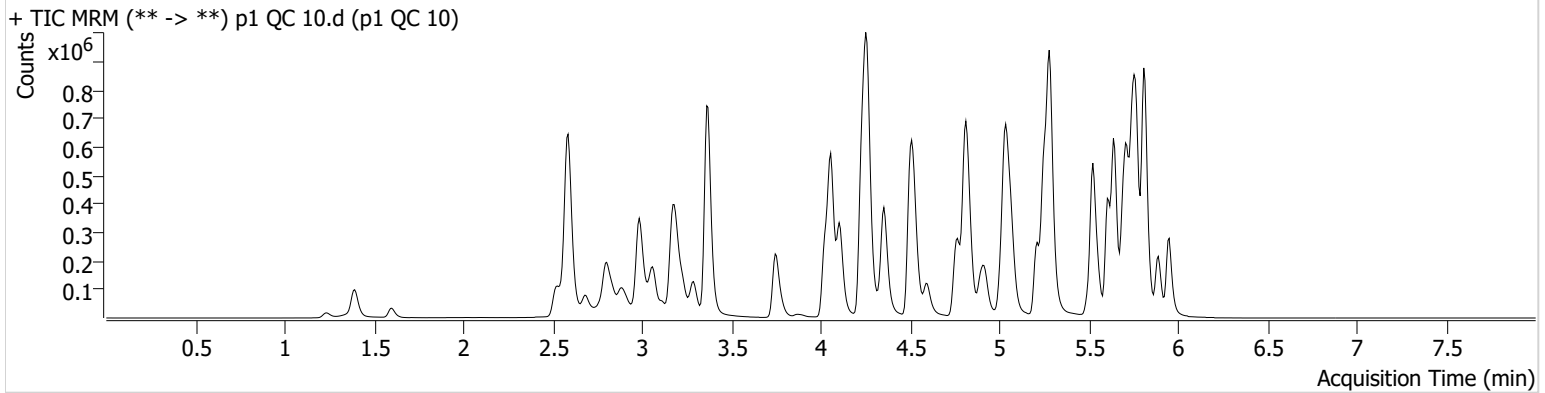
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Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Calibration Last Update 3/10/2021 11:28:47 AM

Instrument	Instrument 1	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	3/9/2021 11:13:48 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	3225	5220.63	75.0	14431.92	84969	0.9418 ng/ml
7-aminoclonazepam	4.265	81466	2334.30	80.2	859.60	301217	9.9401 ng/ml
a-hydroxyalprazolam	5.692	41496	∞	55.6	2233.92	486453	10.6960 ng/ml
alpha-PHP	4.923	44550	1539.14	265.8	5629.56	739012	10.3602 ng/ml
alpha-PVP	4.363	167189	691.36	51.5	2994.71	739012	9.9404 ng/ml
Alprazolam	5.775	135058	1015.44	113.6	631.30	486453	9.9751 ng/ml
Amphetamine	3.063	256161	834.86	50.2	473.23	259893	10.1814 ng/ml
Benzoyllecgonine	3.899	5060	38.10	7.7	432.45	18880	9.9107 ng/ml
*Buprenorphine	5.677	2942	98.19	9.9 Low	126.83	102339	1.3452 ng/ml
Bupropion	4.774	165615	654.96	60.2	199.30	587426	9.9727 ng/ml
Carisoprodol	5.724	126250	541.50	53.0	113.96	636834	9.8402 ng/ml
Citalopram	5.212	100473	2649.28	43.7	1219.92	466317	9.7748 ng/ml
Clonazepam	5.612	173491	13746.06	33.0	1527.91	201620	10.3081 ng/ml
Clonazepam	5.548	110577	2644.22	35.7	2479.65	201620	9.7727 ng/ml
Cocaine	4.257	139245	5621.37	48.3	34996.41	1310880	9.8766 ng/ml
Codeine	2.573	17356	144.15	104.9	2154.24	86598	10.1069 ng/ml
Cyclobenzaprine	5.608	89172	23178.13	8.8	40.44	357305	9.9351 ng/ml
Dextromethorphan	5.262	56810	765.80	80.1	1486.70	272975	9.8824 ng/ml
Dextrophan	4.111	45269	1771.71	211.4	588.92	571511	9.6943 ng/ml
Diazepam	5.953	91658	1959.34	86.7	373.06	429855	9.9699 ng/ml
Dihydrocodeine	2.552	43435	1616.09	63.3	984.56	247405	10.6267 ng/ml
Diphenhydramine	5.289	248981	12385.86	33.0	288.64	1599133	9.4690 ng/ml
Doxylamine	4.522	333416	2932.15	98.5	2011.87	1451715	10.0432 ng/ml
EDDP	5.254	149723	1308.74	43.4	1149.58	789079	9.7739 ng/ml
Etizolam	5.813	79859	125800.29	24.6	39856.69	201620	10.4452 ng/ml
Fentanyl	5.082	8001	15.73	74.3	385.32	405887	0.9155 ng/ml
Flualprazolam	5.705	61056	1541.29	98.2	14791.67	486453	10.0895 ng/ml
Fluoxetine	5.700	112668	961.42	8.4	24238.37	462334	10.1983 ng/ml
Hydrocodone	3.012	65675	810.51	35.8	60.35	791219	10.0400 ng/ml
Hydromorphone	1.601	56352	2315.72	73.8	4850.04	10276	10.0610 ng/ml
Ketamine	4.037	127908	2925.23	38.9	721.02	623031	9.6511 ng/ml
Lamotrigine	4.273	13857	197.95	77.0	450.12	623031	9.3430 ng/ml
Levetiracetam	2.683	58805	824.90	167.1	1798.48	1544728	9.4217 ng/ml

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AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	155152	5248.58	55.4	567.86	201620	10.5278 ng/ml
MDA	3.203	205097	559.82	24.3	304.80	527289	9.9042 ng/ml
MDMA	3.290	121146	1971.12	75.3	484.92	114231	10.1106 ng/ml
Meprobamate	4.924	71241	220.16	27.5	222.22	325891	10.2227 ng/ml
Methadone	5.646	187694	6377.89	45.7	449.33	876334	9.6842 ng/ml
Methamphetamine	3.231	143030	716.21	37.9	693.24	558420	10.4026 ng/ml
Metoprolol	4.326	30777	936.89	90.9	971.04	1374515	10.5585 ng/ml
Mirtazapine	4.597	172860	3760.36	48.2	606.01	739012	10.7761 ng/ml
Mitragynine	5.210	34710	809.31	38.6	276.01	876334	9.2844 ng/ml
Morphine	1.240	8016	1170.43	28.0	140.55	10276	9.5696 ng/ml
Norbuprenorphine	4.986	361	1114.78	100.3	1058.36	15849	1.1647 ng/ml
Nordiazepam	5.893	88935	786.43	58.3	532.09	303752	9.8230 ng/ml
Norfentanyl	4.079	27159	448.07	35.5	280.20	1229185	0.9429 ng/ml
Norhydrocodone	3.059	9672	153.18	40.8	43.22	95489	9.6966 ng/ml
Noroxycodone	2.909	72135	355.92	42.4	352.62	245891	9.9245 ng/ml
O-desmethyl-tramadol	3.369	267341	986.76	6.8	894.33	1670489	9.6508 ng/ml
Oxazepam	5.749	171362	155.00	76.7	179.17	719618	9.5673 ng/ml
Oxycodone	2.827	140332	1677.14	26.3	893.74	613242	9.8924 ng/ml
Oxymorphone	1.391	66127	∞	41.2	261.65	237762	9.9143 ng/ml
Phentermine	3.783	51271	322.83	4.9	37.21	607384	10.0541 ng/ml
Promethazine	5.525	185729	9374.43	28.5	276.77	808382	9.7958 ng/ml
Pseudoephedrine	2.596	307347	3780.02	16.5	8386.76	1544728	9.4690 ng/ml
Quetiapine	5.514	126575	124.14	56.3	4936.20	167865	10.3906 ng/ml
Sertraline	5.762	53320	893.68	99.9	251.82	268820	9.8405 ng/ml
Temazepam	5.816	279178	581.99	30.4	155.20	1404479	9.7638 ng/ml
Tramadol	4.246	278729	2061.32	3.9	200.86	1374515	9.9415 ng/ml
Trazodone	5.054	118231	238.58	79.5	738.83	484001	10.3990 ng/ml
Venlafaxine	5.037	227424	492.58	39.9	423.87	1186897	9.8431 ng/ml
Zolpidem	4.833	319112	5375.16	31.5	1831.33	1578977	9.7228 ng/ml

AM #28 Multi-Drug Quant. Results

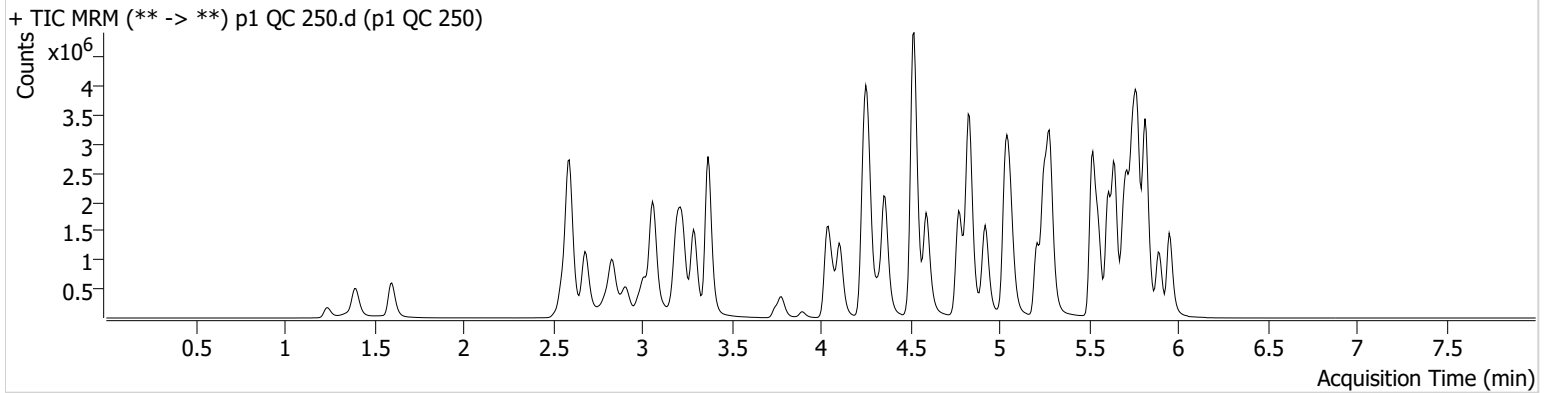
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Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Calibration Last Update 3/10/2021 11:28:47 AM

Instrument	Instrument 1	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	3/9/2021 11:35:03 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	71116	324.22	72.0	1279.69	71421	24.5004 ng/ml
7-aminoclonazepam	4.271	1256525	67912.68	80.8	20660.24	190365	244.4115 ng/ml
* a-hydroxyalprazolam	5.692	480722	2824.12	60.4	1729.78	323741	191.2681 ng/ml
alpha-PHP	4.923	777016	39978.01	265.5	246050.17	548185	240.0040 ng/ml
alpha-PVP	4.363	3153737	29293.80	52.1	82154.41	548185	247.2382 ng/ml
Alprazolam	5.775	2326136	3512.12	111.6	∞	323741	253.7324 ng/ml
Amphetamine	3.063	3984867	1915.02	49.0	3591.13	186644	238.8834 ng/ml
Benzoylecgonine	3.892	118294	∞	7.7	1786.00	18463	238.0180 ng/ml
Buprenorphine	5.677	41534	1421.13	14.8	2372.09	63328	21.3634 ng/ml
Bupropion	4.774	2925056	785.67	60.7	92838.73	411890	253.3868 ng/ml
Carisoprodol	5.724	1733960	3680616.90	52.8	11389.95	331442	247.8468 ng/ml
Citalopram	5.212	1530118	35694.81	44.9	863.60	283684	238.8189 ng/ml
Clonazepam	5.612	2565964	46403.22	32.2	36766.90	128740	257.0372 ng/ml
Clonazepam	5.555	1918333	89975.58	36.9	1393584.80	128740	249.9518 ng/ml
Cocaine	4.257	2477342	2543.53	50.6	45956.37	902195	249.4025 ng/ml
Codeine	2.573	286160	1775.57	103.2	7495.61	66214	236.2346 ng/ml
Cyclobenzaprine	5.608	1307507	52885.38	9.1	269.01	207886	243.9066 ng/ml
Dextromethorphan	5.255	826971	29740.88	80.1	644.03	157908	246.5548 ng/ml
Dextrophan	4.111	835183	20827.51	204.8	2290.33	405454	248.5617 ng/ml
Diazepam	5.953	1605674	531.32	87.2	644.15	310822	246.0085 ng/ml
Dihydrocodeine	2.552	840813	581.29	64.6	516.66	213668	245.6586 ng/ml
Diphenhydramine	5.289	3946787	76492.07	33.1	15854.52	974823	242.3629 ng/ml
Doxylamine	4.522	6722607	10119.46	98.3	208769.61	1147986	261.9193 ng/ml
EDDP	5.254	2789670	64330.42	42.5	101962.40	589904	237.5849 ng/ml
Etizolam	5.813	1404949	4179.15	24.9	274204.91	128740	224.3951 ng/ml
Fentanyl	5.082	133203	354.71	72.4	1938124.61	240590	23.7474 ng/ml
Flualprazolam	5.705	1001420	24038.69	100.3	120909.46	323741	253.6076 ng/ml
Fluoxetine	5.700	1157993	84561.76	9.0	207.36	205186	238.8672 ng/ml
Hydrocodone	3.012	1231134	∞	37.5	876.51	637197	246.8324 ng/ml
Hydromorphone	1.601	1081972	3814.03	75.7	3524.16	8279	245.7046 ng/ml
Ketamine	4.037	2528992	43419.56	38.3	1301.98	497567	247.6782 ng/ml
Lamotrigine	4.273	206423	5472.85	81.8	5803.50	497567	216.5509 ng/ml
Levetiracetam	2.683	1183934	1026.01	164.2	17499.92	1108071	247.9526 ng/ml

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AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
*Lorazepam	5.740	1351218	5103.03	56.2	1706.26	128740	157.7228 ng/ml
MDA	3.203	2972948	8308.64	23.7	4129.71	341436	237.1622 ng/ml
MDMA	3.290	2223161	2923.62	76.0	3480.87	84099	254.8610 ng/ml
Meprobamate	4.924	1024948	128175.36	26.8	24037.76	239104	214.5272 ng/ml
Methadone	5.646	3067831	1905.61	44.8	43791.53	536152	248.7591 ng/ml
Methamphetamine	3.231	2400875	42226.32	38.5	19884.97	425411	247.6828 ng/ml
Metoprolol	4.326	562110	5424.78	90.0	8427.24	1050045	256.1939 ng/ml
Mirtazapine	4.590	2939058	162737.82	47.8	1316.14	548185	224.9622 ng/ml
Mitragynine	5.210	543023	2491.37	40.0	413342.02	536152	240.5628 ng/ml
Morphine	1.240	163236	809.35	27.8	1934.37	8279	242.8128 ng/ml
Norbuprenorphine	4.986	5408	∞	100.0	10919.01	10474	23.6021 ng/ml
Nordiazepam	5.900	1468088	198956.94	58.5	1366.72	202069	248.0124 ng/ml
Norfentanyl	4.079	554392	52612.70	34.7	2462.52	950190	23.7571 ng/ml
Norhydrocodone	3.059	142364	322.17	41.3	102.47	54188	240.0576 ng/ml
Noroxycodone	2.909	1166212	539.54	41.5	4943.73	167651	236.1048 ng/ml
O-desmethyl-tramadol	3.369	5559280	320991.32	6.6	20938.88	1334236	248.6700 ng/ml
Oxazepam	5.749	1921621	21437.76	74.8	8185.45	322587	256.2869 ng/ml
Oxycodone	2.827	2785045	51982.77	26.8	∞	498273	248.9394 ng/ml
Oxymorphone	1.398	1175362	∞	41.8	407.05	171092	249.7980 ng/ml
Phentermine	3.783	874100	653.83	4.3	142.10	449877	243.8062 ng/ml
Promethazine	5.525	2727719	19303.41	28.6	915.39	466017	243.7587 ng/ml
Pseudoephedrine	2.596	5906976	142998.59	16.0	91674.78	1108071	243.7537 ng/ml
Quetiapine	5.514	2148018	40703.40	57.2	380.65	116254	266.1342 ng/ml
Sertraline	5.762	588868	1091.11	102.2	∞	118093	237.2007 ng/ml
Temazepam	5.823	4124338	2309.87	28.9	14327.42	788188	246.2911 ng/ml
Tramadol	4.239	5295156	∞	3.6	3968.49	1050045	257.8076 ng/ml
Trazodone	5.060	1997232	134504.06	80.3	81284.83	345183	253.6235 ng/ml
Venlafaxine	5.037	4335774	145820.25	39.4	15026.83	870451	250.4582 ng/ml
Zolpidem	4.833	6601587	197861.02	30.4	2789.80	1308925	252.9222 ng/ml

*OCR

AM #28 Multi-Drug Quant. Results

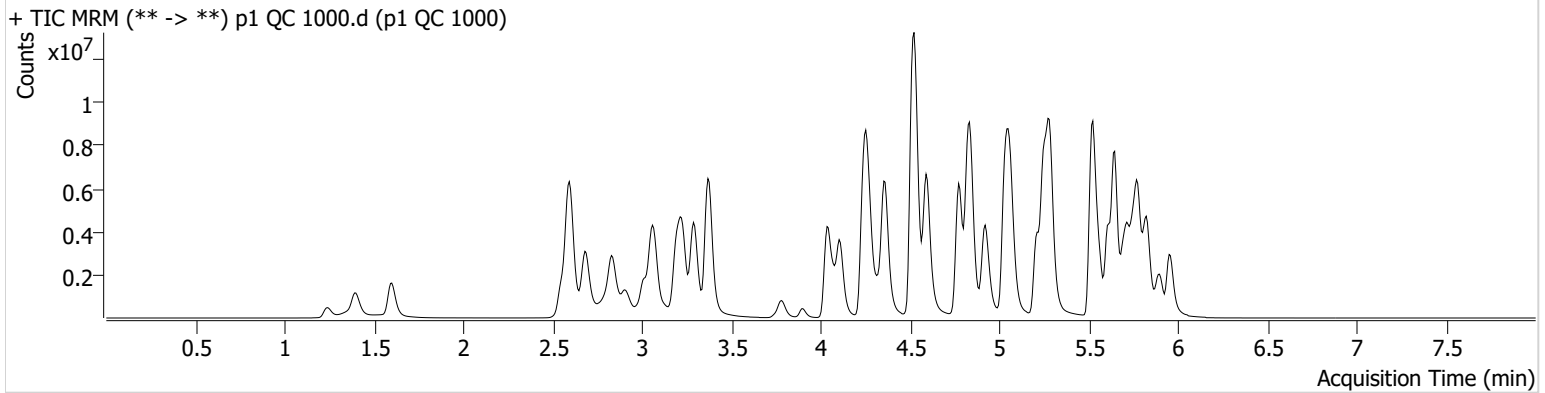
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Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Calibration Last Update 3/10/2021 11:28:47 AM

Instrument	Instrument 1	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	3/9/2021 11:56:16 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	279170	1842.55	70.7	990.63	67170	102.2385 ng/ml
7-aminoclonazepam	4.278	2046556	17667.21	81.2	53626.66	79042	958.9738 ng/ml
* a-hydroxyalprazolam	5.685	705287	301.30	56.0	338.64	181484	501.0817 ng/ml
alpha-PHP	4.923	2642532	144341.37	274.4	250399.35	458110	976.2207 ng/ml
alpha-PVP	4.363	10829430	2603.06	52.9	96151.60	458110	1015.1984 ng/ml
Alprazolam	5.775	5224380	∞	111.5	1969.13	181484	1016.0309 ng/ml
* Amphetamine	3.063	9285599	117252.41	49.0	3362.96	137094	759.7669 ng/ml
Benzoylcegonine	3.899	507868	20783.14	7.9	5365.15	17424	1083.0175 ng/ml
Buprenorphine	5.677	142707	1415.23	14.3	53649.52	44773	102.1710 ng/ml
Bupropion	4.774	10448178	2235.10	60.9	2570.96	381409	977.6770 ng/ml
Carisoprodol	5.724	2992040	244734.15	53.4	36690.65	137751	1027.5516 ng/ml
Citalopram	5.212	5127391	187307.65	43.0	2785.34	231444	1081.1506 ng/ml
Clonazepam	5.612	4211533	49657.19	32.5	2786.77	64382	845.4723 ng/ml
Clonazepam	5.555	3894292	237649.30	37.8	2524662.77	64382	1012.8088 ng/ml
Cocaine	4.257	7254061	108932.86	50.7	727.89	646430	1018.5023 ng/ml
* Codeine	2.566	665701	169.90	98.0	33180.06	48614	750.4573 ng/ml
Cyclobenzaprine	5.608	4604355	89838.84	8.7	3574.25	172012	1037.1679 ng/ml
Dextromethorphan	5.255	2312464	3897.04	79.4	1219.34	111393	977.0753 ng/ml
Dextrophan	4.111	2757226	2049.92	209.5	80520.01	324235	1025.6989 ng/ml
Diazepam	5.960	3989016	808.45	88.3	36783.36	201665	942.5206 ng/ml
* Dihydrocodeine	2.545	2469607	402.79	63.4	948.33	208731	739.3066 ng/ml
Diphenhydramine	5.289	13124427	1850.03	33.7	3587.39	795469	987.1797 ng/ml
Doxylamine	4.522	21383359	75636.04	97.9	87929.36	1111427	861.0657 ng/ml
EDDP	5.254	10702714	2462.56	42.2	90752.10	544953	985.9009 ng/ml
* Etizolam	5.813	3628453	7202.98	25.4	2462638.85	64382	1148.8902 ng/ml
Fentanyl	5.082	506289	62689.79	71.4	493632.51	200652	107.9687 ng/ml
Flualprazolam	5.705	2064674	27435.92	105.0	16532.77	181484	933.2935 ng/ml
Fluoxetine	5.700	2614760	70885.85	8.7	8151.96	117601	941.4182 ng/ml
Hydrocodone	3.012	3913949	452.46	38.6	526.63	578665	865.5630 ng/ml
Hydromorphone	1.601	3275531	14500488.73	75.6	8828492.49	6750	912.9821 ng/ml
Ketamine	4.037	8510123	180051.24	37.3	36035.80	444202	934.5902 ng/ml
* Lamotrigine	4.273	411420	13014.18	79.5	2963.72	444202	486.4113 ng/ml
Levetiracetam	2.683	3311622	936.09	166.5	28556.54	734741	1044.0004 ng/ml

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AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
* Lorazepam	5.740	1429265	53414.96	54.9	8904.18	64382	334.8484 ng/ml
* MDA	3.196	6968326	12863.43	22.6	4105.48	241587	787.3071 ng/ml
MDMA	3.290	7075513	603222.50	75.3	3182.29	68501	996.1669 ng/ml
* Meprobamate	4.924	1825950	59322.91	27.2	9718.31	163263	560.9339 ng/ml
Methadone	5.646	10650931	1161540.70	46.5	47469.39	463268	998.3503 ng/ml
Methamphetamine	3.231	6963879	88365.53	37.7	53153.44	350366	874.5124 ng/ml
Metoprolol	4.326	1613749	47422.69	89.2	14096.70	877665	880.3591 ng/ml
Mirtazapine	4.590	11418218	1859786.65	48.2	208868.91	458110	1042.1509 ng/ml
Mitragynine	5.210	1788713	2934.21	39.5	1874920.01	463268	917.4402 ng/ml
Morphine	1.240	496618	234.53	28.3	2399.90	6750	906.0987 ng/ml
Norbuprenorphine	4.986	19798	279.39	97.3	9926.42	9783	92.1286 ng/ml
Nordiazepam	5.900	3110275	33699.65	58.8	688.28	114781	925.5082 ng/ml
Norfentanyl	4.079	2006757	37432.71	33.9	11982.02	757579	107.6991 ng/ml
Norhydrocodone	3.059	484458	138.36	41.5	1204.17	39053	1131.7812 ng/ml
Noroxycodone	2.903	2806578	1889.39	42.6	315.16	102927	925.6121 ng/ml
O-desmethyl-tramadol	3.369	17004173	483380.24	7.1	696.18	1059470	957.5690 ng/ml
Oxazepam	5.749	1848578	9293.13	75.7	22542.54	89636	889.0154 ng/ml
Oxycodone	2.827	9364372	1575.20	26.4	4355.03	445951	936.0950 ng/ml
Oxymorphone	1.391	3493230	∞	41.6	1242.70	131641	965.4918 ng/ml
* Phentermine	3.783	2346313	613.27	4.2	321.34	383038	769.8487 ng/ml
Promethazine	5.525	9706650	140071.20	28.1	97774.60	392189	1029.9431 ng/ml
Pseudoephedrine	2.596	17018217	95610.25	16.1	140556.59	734741	1057.8011 ng/ml
Quetiapine	5.507	7581411	1206.62	59.3	1490.47	120001	911.1698 ng/ml
Sertraline	5.762	1427104	16215.80	100.0	25600.05	63337	1070.3193 ng/ml
Temazepam	5.830	6304800	30896.78	28.3	9773.86	276674	1071.1523 ng/ml
Tramadol	4.239	15047367	1246.93	3.8	10585.58	877665	877.5731 ng/ml
* Trazodone	5.060	7123631	298714.33	80.0	178004.75	345347	905.0092 ng/ml
Venlafaxine	5.037	14381865	658887.90	40.0	1856.61	709200	1019.0034 ng/ml
Zolpidem	4.835	20122421	973569.56	33.4	12928.32	1198708	842.8212 ng/ml

*OCR

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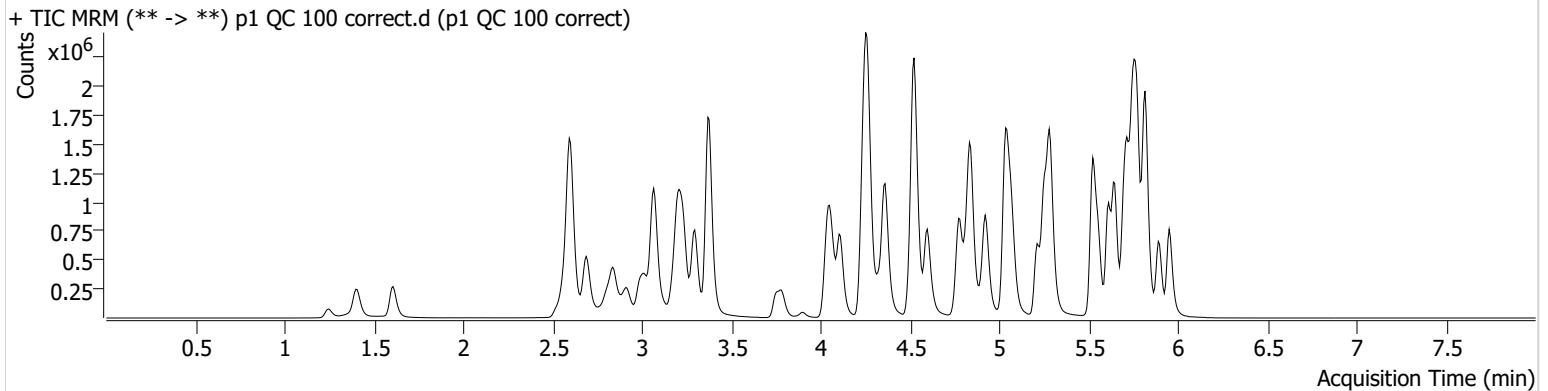
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Calibration Last Update 3/10/2021 11:28:47 AM

Instrument Instrument 1
Type QC
Acq. Method AM 28 MDQ P1.m
Sample Position P2-B2
Injection Volume 2
Acq. Date-Time 3/10/2021 9:31:34 AM
Sample Info.

Data File p1_QC_100_correct.d
Sample p1_QC_100_correct
Operator Sarah Collins
Comment

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	29646	2051.49	68.9	1567.29	72756	10.0310 ng/ml
7-aminoclonazepam	4.271	657021	53587.05	70.5	195.89	236017	103.0348 ng/ml
a-hydroxyalprazolam	5.692	247060	681.98	56.2	422.78	329890	96.3137 ng/ml
alpha-PHP	4.923	377945	13801.47	269.5	9783.45	643134	99.5981 ng/ml
alpha-PVP	4.363	1519670	106991.98	53.7	38862.53	643134	101.6803 ng/ml
Alprazolam	5.775	1061093	1158.43	103.8	1017.26	329890	113.6838 ng/ml
Amphetamine	3.069	2173975	29283.12	45.6	1078.48	221838	109.1683 ng/ml
Benzoylcegonine	3.899	45569	2088.08	8.5	4337.36	18625	90.8642 ng/ml
Buprenorphine	5.683	19265	22562.79	13.5	2201.93	76751	8.4401 ng/ml
Bupropion	4.781	1260910	111542.10	63.2	8844.29	430624	104.4228 ng/ml
Carisoprodol	5.724	950817	241950.72	62.9	∞	474391	95.2413 ng/ml
Citalopram	5.212	727834	1201.32	35.2	2759.11	326881	98.7311 ng/ml
Clonazepam	5.612	1098505	5826.67	28.8	500.03	130768	107.8556 ng/ml
Clonazepam	5.555	792516	304086.24	38.5	267172.15	130768	102.0133 ng/ml
Cocaine	4.257	1152550	517.31	54.6	101939.12	1088351	96.3309 ng/ml
Codeine	2.580	135473	∞	99.8	259822.74	64629	114.1227 ng/ml
Cyclobenzaprine	5.615	444508	11410.60	9.5	391.62	184743	93.4724 ng/ml
Dextromethorphan	5.262	350518	17186.17	81.1	11322.03	157924	104.5444 ng/ml
Dextrophan	4.111	392842	1942.77	200.1	2781.43	440747	107.6334 ng/ml
Diazepam	5.953	721217	4959.46	89.0	7272.10	319787	107.2931 ng/ml
Dihydrocodeine	2.559	338373	678.88	75.1	14964.44	206270	102.2041 ng/ml
Diphenhydramine	5.289	1645715	824.68	34.6	472.64	998319	98.7727 ng/ml
Doxylamine	4.522	2850829	2221.21	95.0	544204.43	1197122	106.3706 ng/ml
EDDP	5.254	1035704	25647.70	41.6	448.54	527366	98.8137 ng/ml
Etizolam	5.813	713676	8054.87	25.9	230955.95	130768	113.4123 ng/ml
Fentanyl	5.082	57644	152.92	59.8	58234.45	259212	9.5818 ng/ml
Flualprazolam	5.705	450220	11968.30	101.0	7169.39	329890	111.7751 ng/ml
Fluoxetine	5.700	637822	2027.27	8.2	79675.93	265330	101.6750 ng/ml
Hydrocodone	3.018	501512	1141.61	44.4	164.79	610243	104.6515 ng/ml
** Hydromorphone	1.608	447381	17143.69	83.5	7200.79	3760	223.6480 ng/ml
Ketamine	4.044	1178032	1289.81	33.2	1455.57	551715	103.8349 ng/ml
Lamotrigine	4.273	107164	3448.46	83.9	2039.35	551715	100.1147 ng/ml
Levetiracetam	2.690	527416	634.73	167.3	8708.95	1287774	95.4192 ng/ml

p1_QC_100_correct **Not evaluated due to high accuracy

Generated at 8:31 AM on 3/12/2021

8C



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	804068	3752.42	59.4	899.85	130768	91.9373 ng/ml
MDA	3.203	1624203	6432.60	25.3	673.42	390964	112.7765 ng/ml
MDMA	3.296	1044682	1806813.44	79.7	6359.39	87349	115.2407 ng/ml
Meprobamate	4.924	589510	24272.71	30.8	3198.79	288309	101.9338 ng/ml
Methadone	5.646	1042620	34284.79	54.2	27156.56	485888	93.5301 ng/ml
Methamphetamine	3.238	1209254	1778.38	36.0	823.11	484095	109.1387 ng/ml
Metoprolol	4.326	283600	1502.26	96.6	2214.85	1350132	100.4277 ng/ml
** Mirtazapine	4.597	1143707	4184.94	59.6 High	6081.07	643134	75.2896 ng/ml
Mitragynine	5.210	207673	2344.38	39.0	1535.82	485888	101.4437 ng/ml
** Morphine	1.247	49580	699.06	66.7 High	801.74	3760	162.3541 ng/ml
Norbuprenorphine	4.986	2767	28193.10	87.3	1812.93	12348	10.3166 ng/ml
Nordiazepam	5.900	773850	44039.94	51.0	1027.47	251098	105.1015 ng/ml
Norfentanyl	4.079	272674	22139.80	34.8	869.80	1126153	9.8853 ng/ml
Norhydrocodone	3.066	69054	351.14	42.9	191.86	63189	100.1219 ng/ml
Noroxycodone	2.909	506639	1437.74	44.0	543.71	168918	101.7825 ng/ml
O-desmethyl-tramadol	3.376	2779096	97961.45	6.6	662.92	1617797	102.5828 ng/ml
Oxazepam	5.749	1039799	13979.86	71.6	15885.58	424509	104.9666 ng/ml
Oxycodone	2.834	1053011	3274.41	28.4	968.02	467339	100.1664 ng/ml
Oxymorphone	1.405	474209	∞	45.2	∞	163299	105.4727 ng/ml
Phentermine	3.790	471630	6078.19	4.4	229.45	541895	108.8997 ng/ml
Promethazine	5.532	1207255	1514.44	28.8	580.87	497927	101.1097 ng/ml
Pseudoephedrine	2.603	2800846	29946.01	16.6	50910.24	1287774	99.6780 ng/ml
Quetiapine	5.514	790523	536.06	60.5	572622.63	107227	105.8943 ng/ml
Sertraline	5.762	271552	705.11	91.7	852.02	123111	105.1598 ng/ml
Temazepam	5.816	1967936	1143.00	28.9	609.93	887790	104.5781 ng/ml
Tramadol	4.246	2752869	230724.37	3.6	3142.92	1350132	103.9757 ng/ml
Trazodone	5.067	785217	2343818.18	85.2	4238078.91	291908	117.7383 ng/ml
Venlafaxine	5.037	2219044	1559.60	33.2	9920.25	1079635	103.4753 ng/ml
Zolpidem	4.840	2480058	192048.78	30.2	10078.30	1275856	97.2157 ng/ml

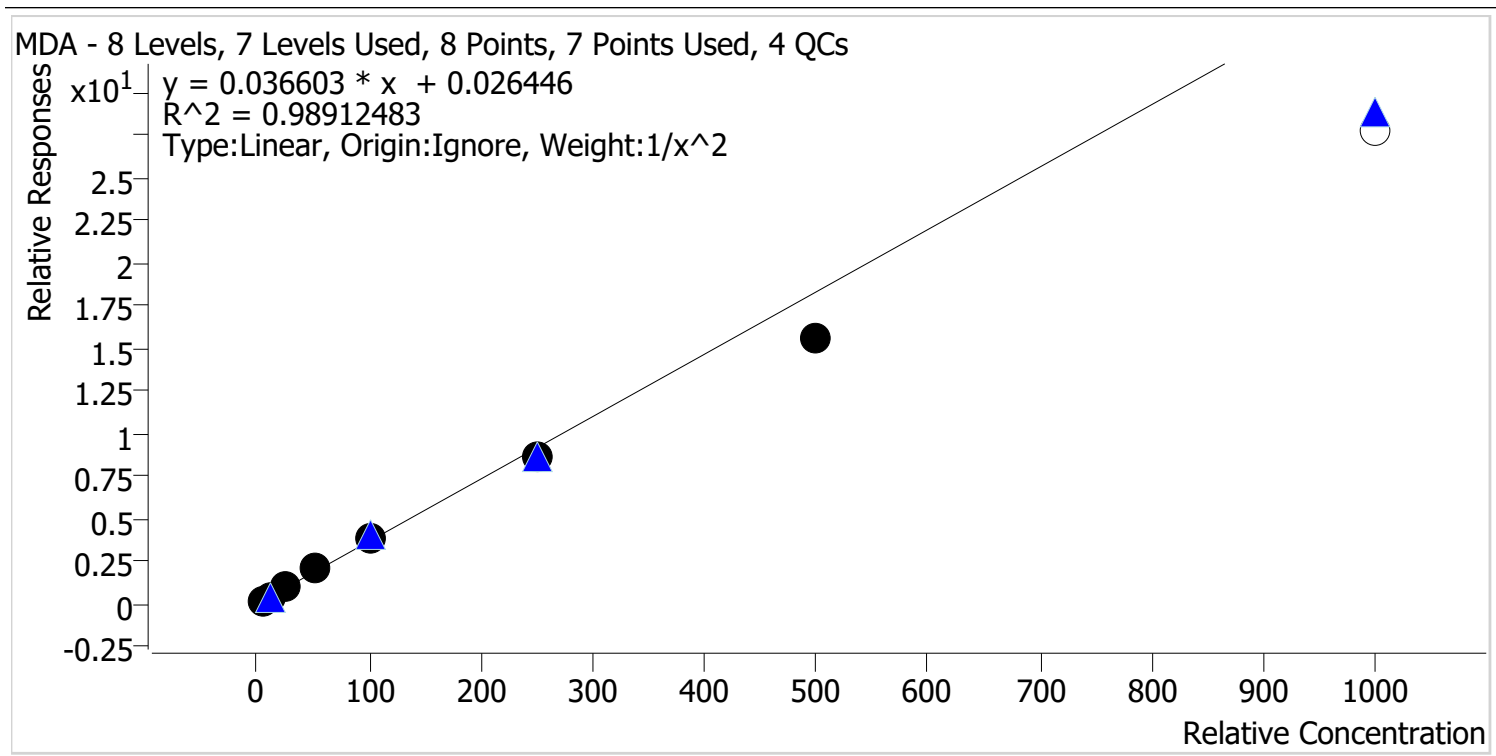
**Not evaluated due to high accuracy and ratio.

8C



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Last Cal. Update 3/10/2021 11:28 AM
Analyst Name ISP\Datator
Analyte MDA **Internal Standard** MDA-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.8
p1 Cal 2-10ng	2	✓	10.0	10.4	104.4
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.6
p1 Cal 4-50ng	4	✓	50.0	55.9	111.8
p1 Cal 5-100ng	5	✓	100.0	103.8	103.8
p1 Cal 6-250ng	6	✓	250.0	237.3	94.9
p1 Cal 7-500ng	7	✓	500.0	423.6	84.7
p1 Cal 8-1000ng	8	✗	1000.0	758.8	75.9

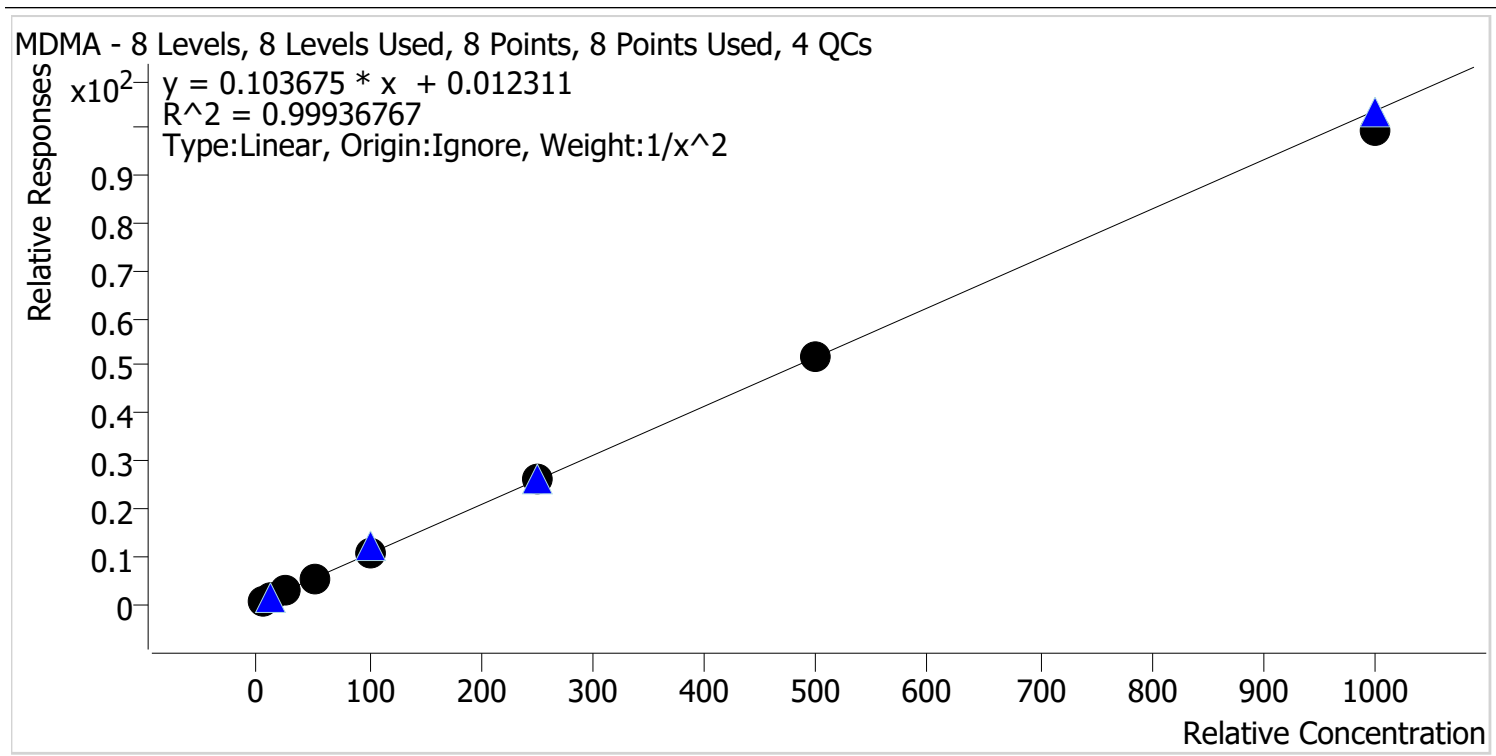
Calibrator 8 dropped due to not meeting accuracy requirement

8C



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Last Cal. Update 3/10/2021 11:28 AM
Analyst Name ISP\Datastor
Analyte MDMA **Internal Standard** MDMA-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.6
p1 Cal 2-10ng	2	✓	10.0	10.0	100.4
p1 Cal 3 -25ng	3	✓	25.0	24.7	99.0
p1 Cal 4-50ng	4	✓	50.0	52.1	104.2
p1 Cal 5-100ng	5	✓	100.0	99.7	99.7
p1 Cal 6-250ng	6	✓	250.0	249.7	99.9
p1 Cal 7-500ng	7	✓	500.0	504.0	100.8
p1 Cal 8-1000ng	8	✓	1000.0	963.5	96.4

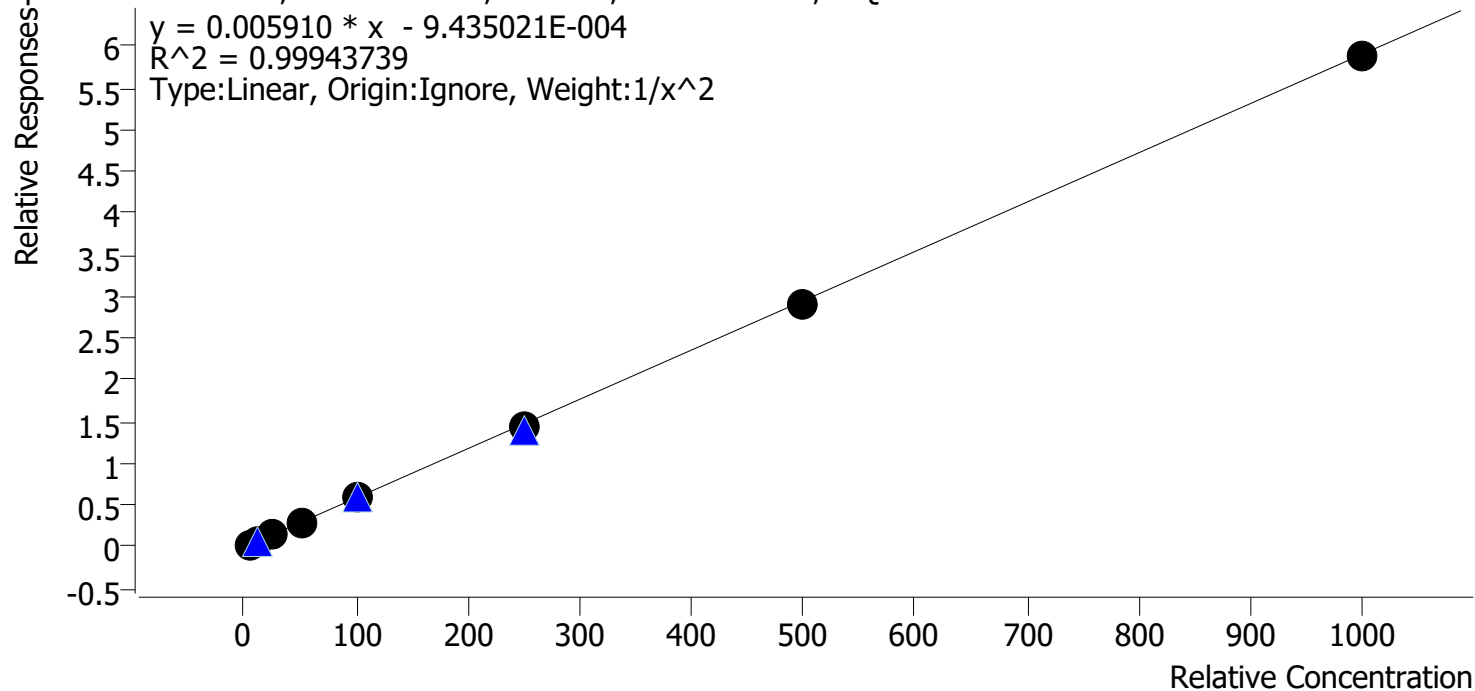
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Last Cal. Update 3/10/2021 11:28 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



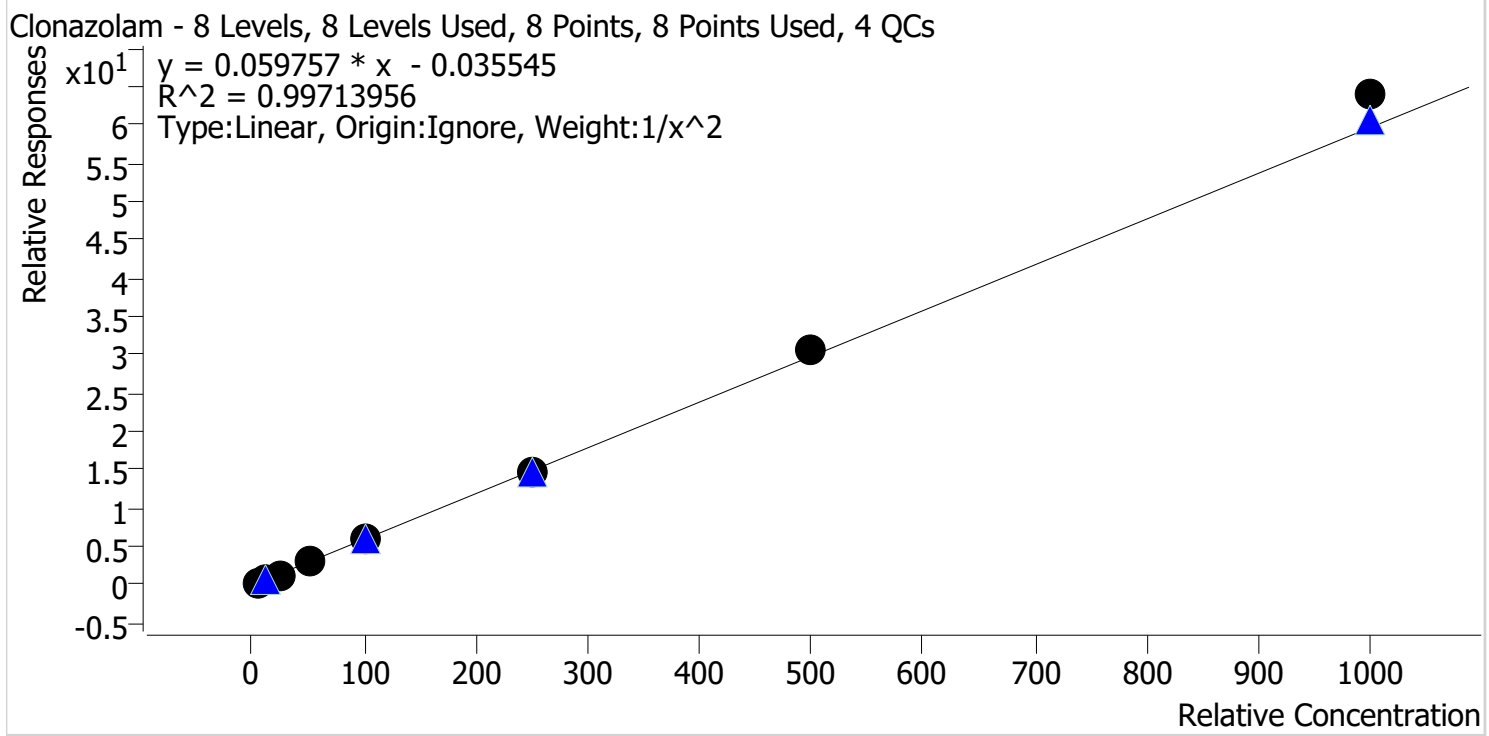
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.5
p1 Cal 2-10ng	2	✓	10.0	10.1	100.5
p1 Cal 3 -25ng	3	✓	25.0	24.7	99.0
p1 Cal 4-50ng	4	✓	50.0	51.8	103.6
p1 Cal 5-100ng	5	✓	100.0	102.1	102.1
p1 Cal 6-250ng	6	✓	250.0	243.1	97.2
p1 Cal 7-500ng	7	✓	500.0	492.2	98.4
p1 Cal 8-1000ng	8	✓	1000.0	995.3	99.5

8C



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Last Cal. Update 3/10/2021 11:28 AM
Analyst Name ISP\Datastor
Analyte Clonazolam **Internal Standard** Clonazepam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.1
p1 Cal 2-10ng	2	✓	10.0	9.5	94.6
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.2
p1 Cal 4-50ng	4	✓	50.0	48.6	97.3
p1 Cal 5-100ng	5	✓	100.0	99.1	99.1
p1 Cal 6-250ng	6	✓	250.0	250.3	100.1
p1 Cal 7-500ng	7	✓	500.0	516.9	103.4
p1 Cal 8-1000ng	8	✓	1000.0	1072.1	107.2

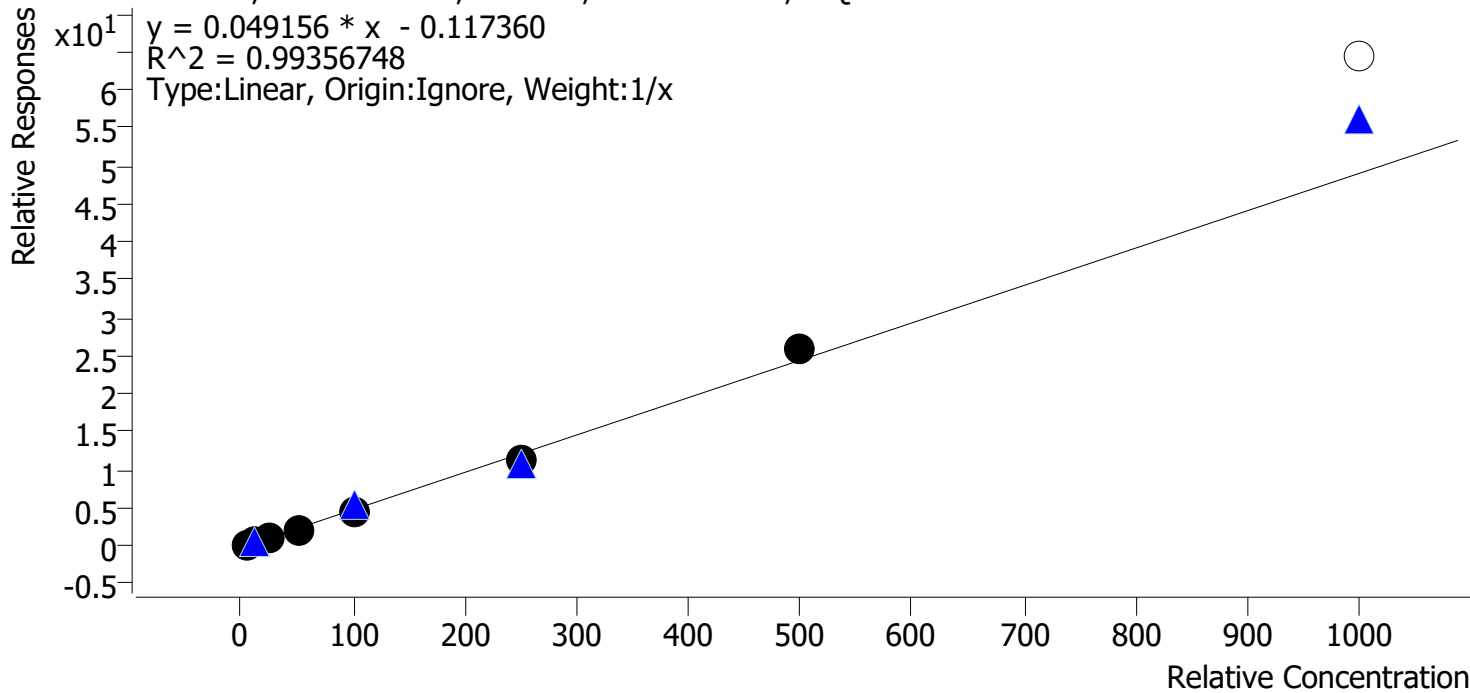
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Last Cal. Update 3/10/2021 11:28 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	6.3	126.8
p1 Cal 2-10ng	2	✓	10.0	10.4	104.1
p1 Cal 3 -25ng	3	✓	25.0	22.7	90.8
p1 Cal 4-50ng	4	✓	50.0	44.1	88.3
p1 Cal 5-100ng	5	✓	100.0	89.9	89.9
p1 Cal 6-250ng	6	✓	250.0	234.8	93.9
p1 Cal 7-500ng	7	✓	500.0	531.8	106.4
p1 Cal 8-1000ng	8	x	1000.0	1312.5	131.2

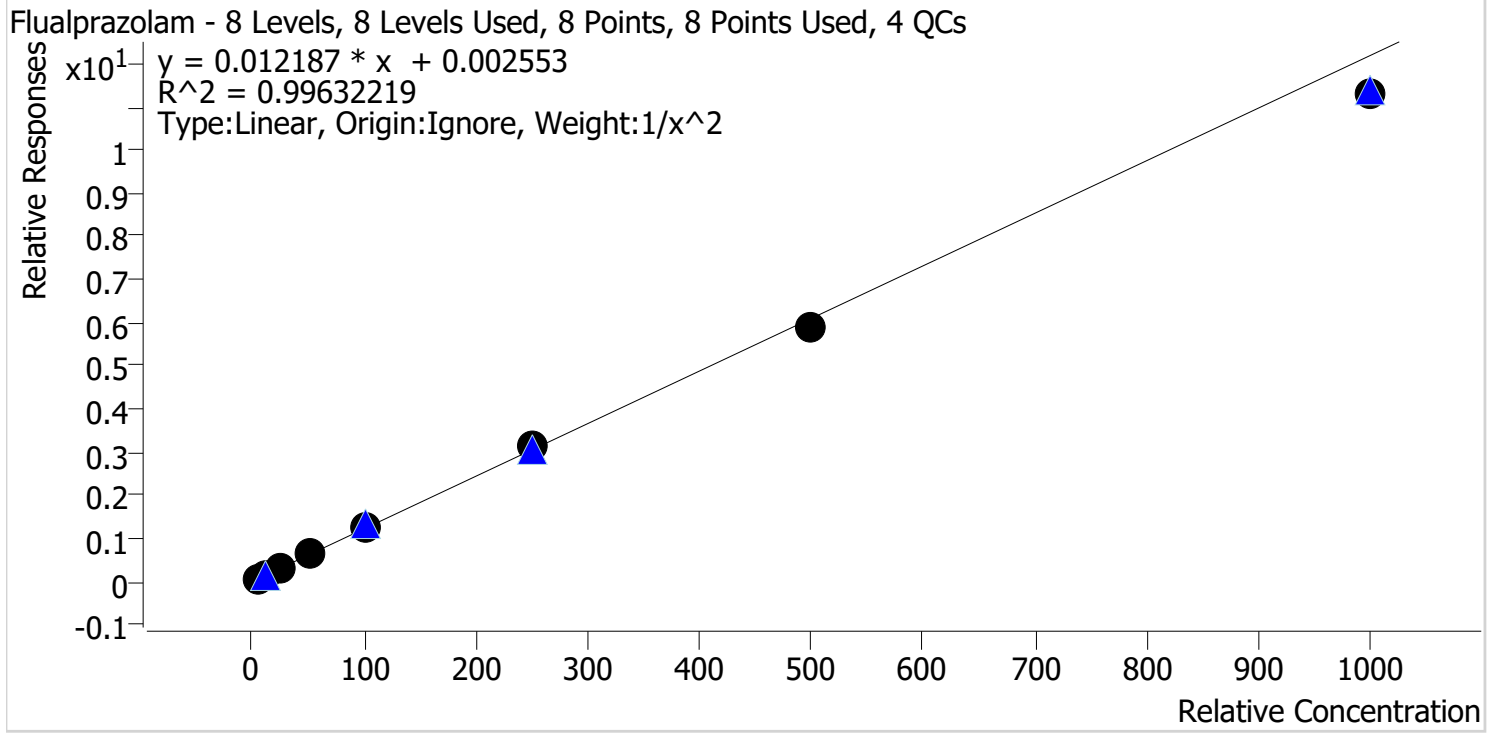
Cal 8 dropped due to not meeting accuracy requirement

8C



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Last Cal. Update 3/10/2021 11:28 AM
Analyst Name ISP\Datastor
Analyte Flualprazolam **Internal Standard** Alprazolam-D5



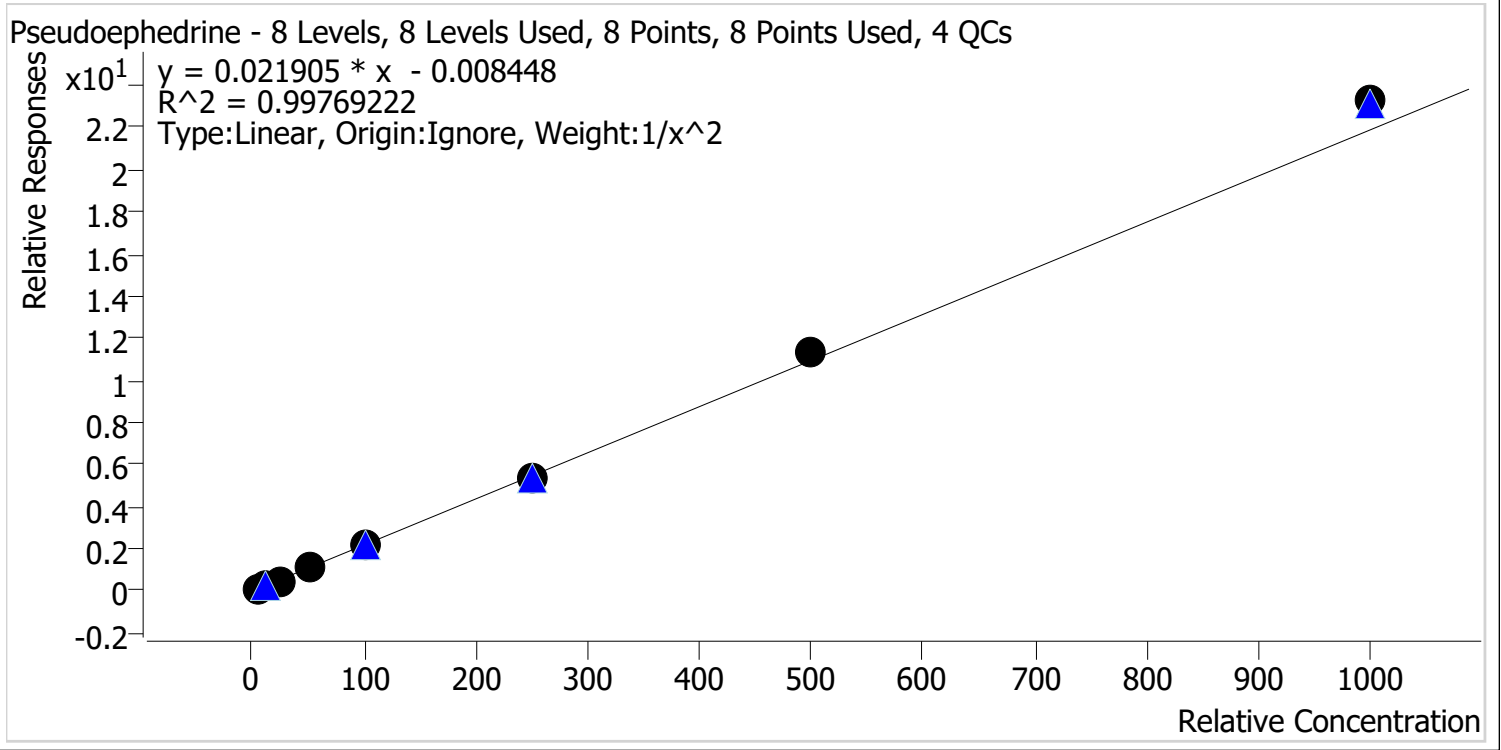
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.6
p1 Cal 2-10ng	2	✓	10.0	9.8	98.2
p1 Cal 3 -25ng	3	✓	25.0	24.0	96.0
p1 Cal 4-50ng	4	✓	50.0	54.5	109.0
p1 Cal 5-100ng	5	✓	100.0	104.2	104.2
p1 Cal 6-250ng	6	✓	250.0	257.4	102.9
p1 Cal 7-500ng	7	✓	500.0	483.3	96.7
p1 Cal 8-1000ng	8	✓	1000.0	924.6	92.5

8C



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Last Cal. Update 3/10/2021 11:28 AM
Analyst Name ISP\Datastor
Analyte Pseudoephedrine **Internal Standard** Pseudoephedrine-D3



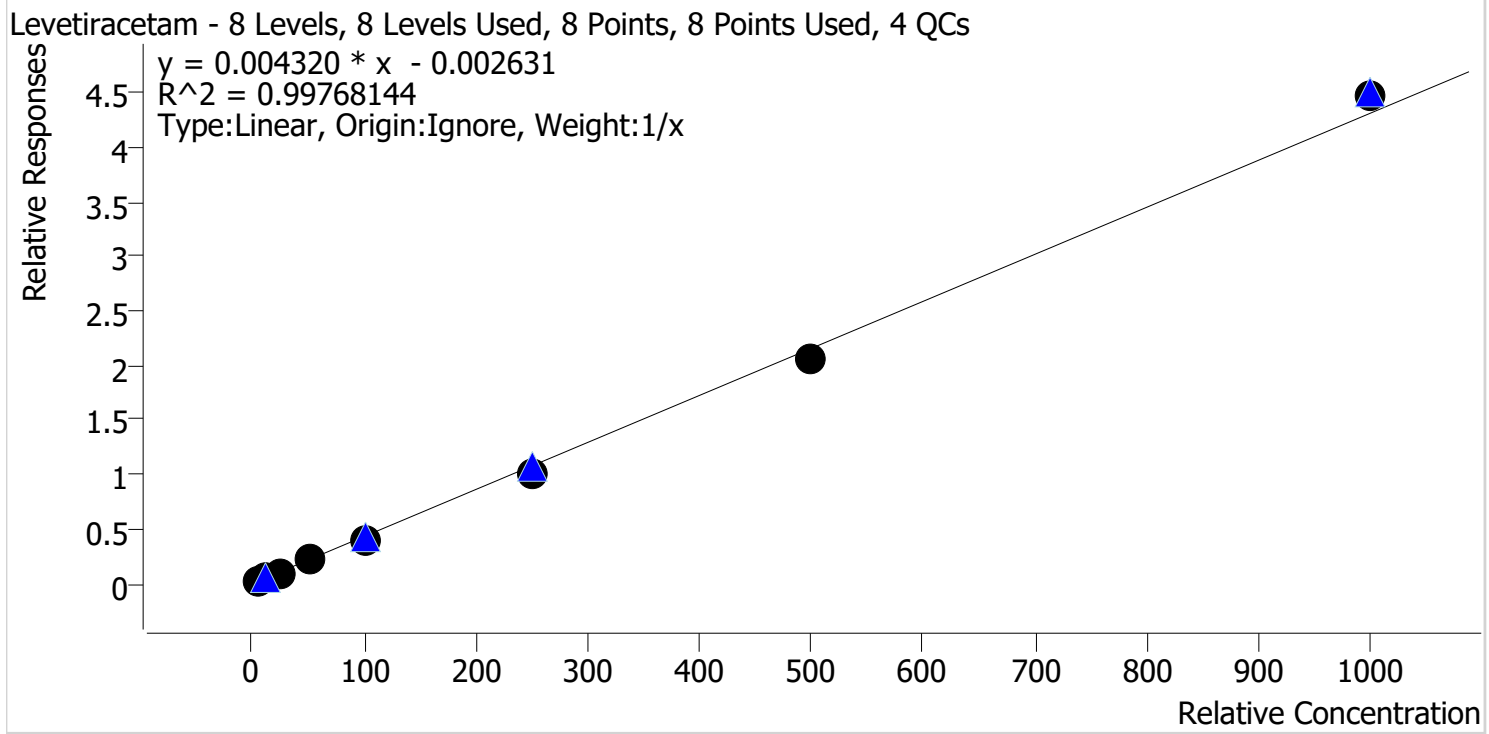
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.9
p1 Cal 2-10ng	2	✓	10.0	9.7	96.8
p1 Cal 3 -25ng	3	✓	25.0	23.4	93.8
p1 Cal 4-50ng	4	✓	50.0	50.2	100.4
p1 Cal 5-100ng	5	✓	100.0	96.9	96.9
p1 Cal 6-250ng	6	✓	250.0	247.9	99.2
p1 Cal 7-500ng	7	✓	500.0	518.5	103.7
p1 Cal 8-1000ng	8	✓	1000.0	1063.5	106.4

8C



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Last Cal. Update 3/10/2021 11:28 AM
Analyst Name ISP\Datastor
Analyte Levetiracetam **Internal Standard** Pseudoephedrine-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.9	117.3
p1 Cal 2-10ng	2	✓	10.0	9.9	98.6
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.8
p1 Cal 4-50ng	4	✓	50.0	50.6	101.2
p1 Cal 5-100ng	5	✓	100.0	91.0	91.0
p1 Cal 6-250ng	6	✓	250.0	236.7	94.7
p1 Cal 7-500ng	7	✓	500.0	480.8	96.2
p1 Cal 8-1000ng	8	✓	1000.0	1041.0	104.1

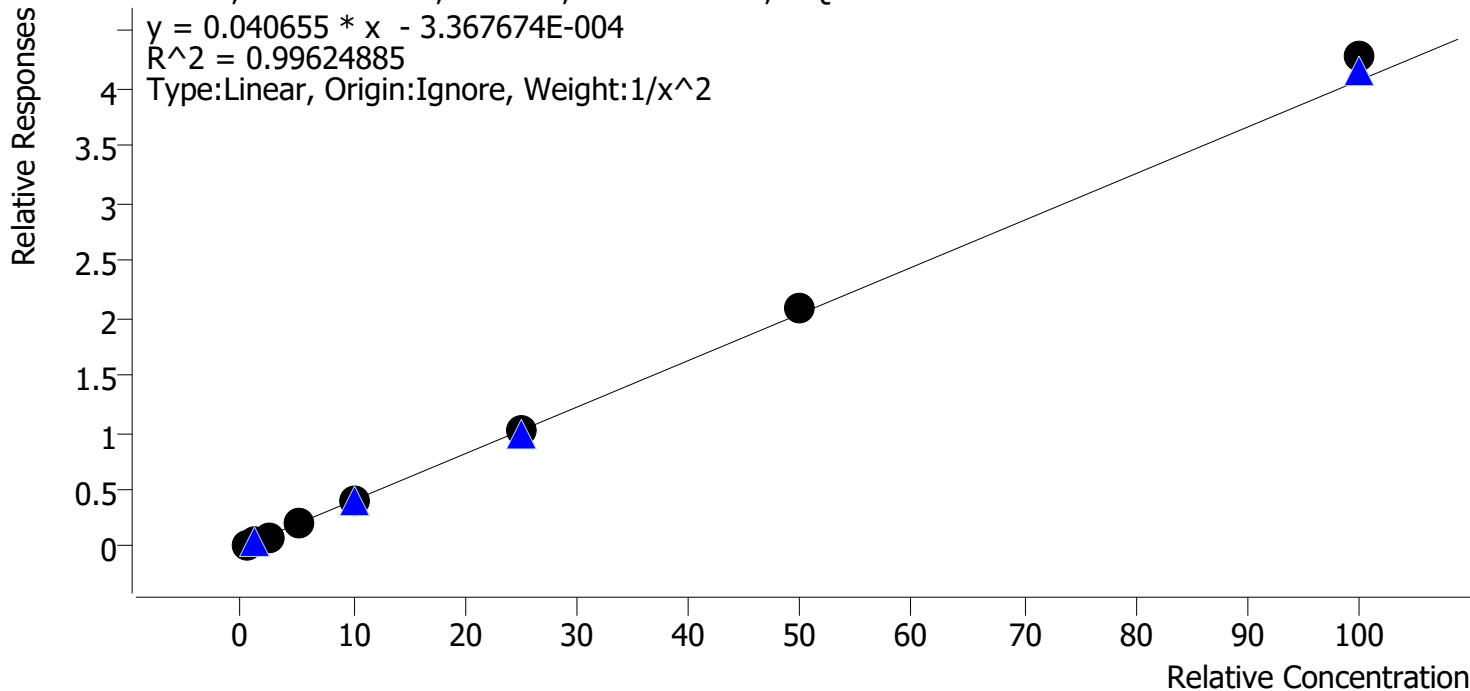
8C



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Last Cal. Update 3/10/2021 11:28 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	105.4
p1 Cal 2-10ng	2	✓	1.0	0.9	90.8
p1 Cal 3 -25ng	3	✓	2.5	2.4	94.5
p1 Cal 4-50ng	4	✓	5.0	5.2	104.0
p1 Cal 5-100ng	5	✓	10.0	9.8	97.7
p1 Cal 6-250ng	6	✓	25.0	25.0	100.0
p1 Cal 7-500ng	7	✓	50.0	51.3	102.6
p1 Cal 8-1000ng	8	✓	100.0	105.1	105.1

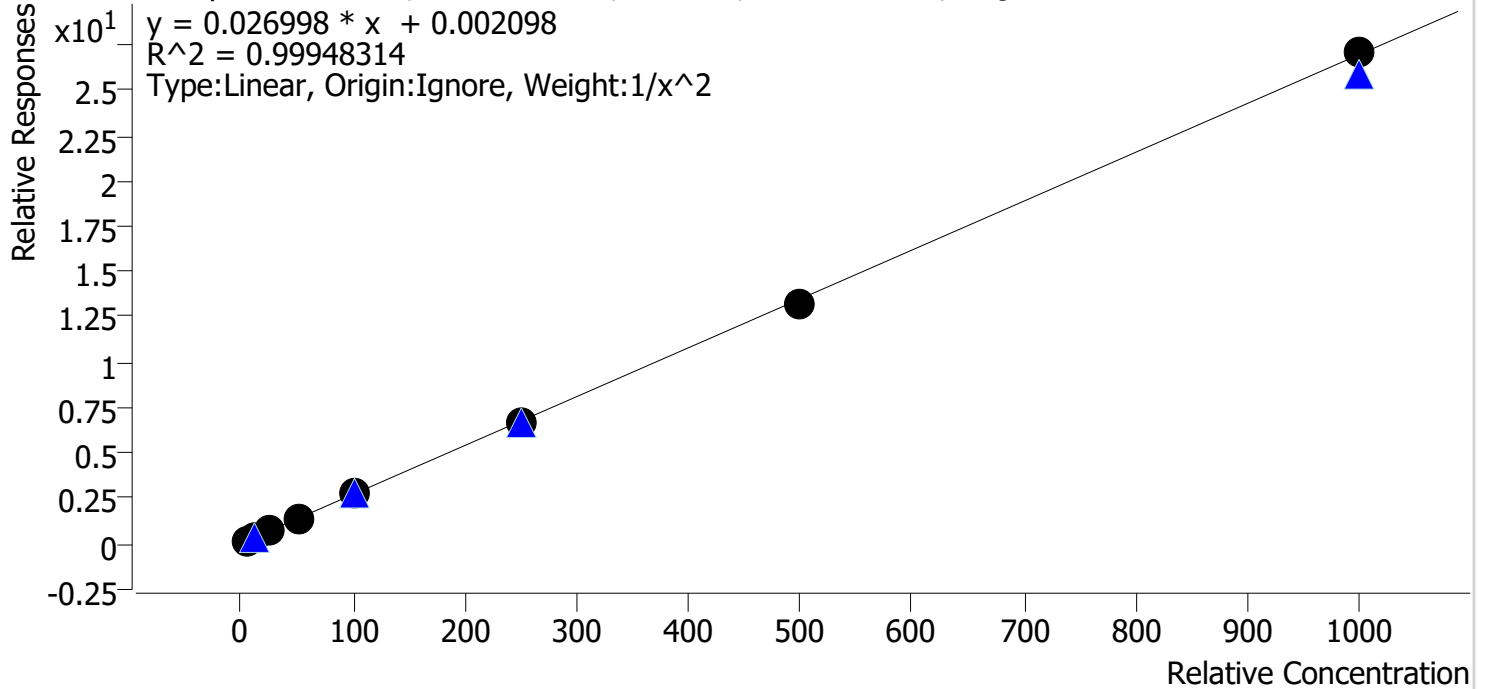
8C



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Last Cal. Update 3/10/2021 11:28 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



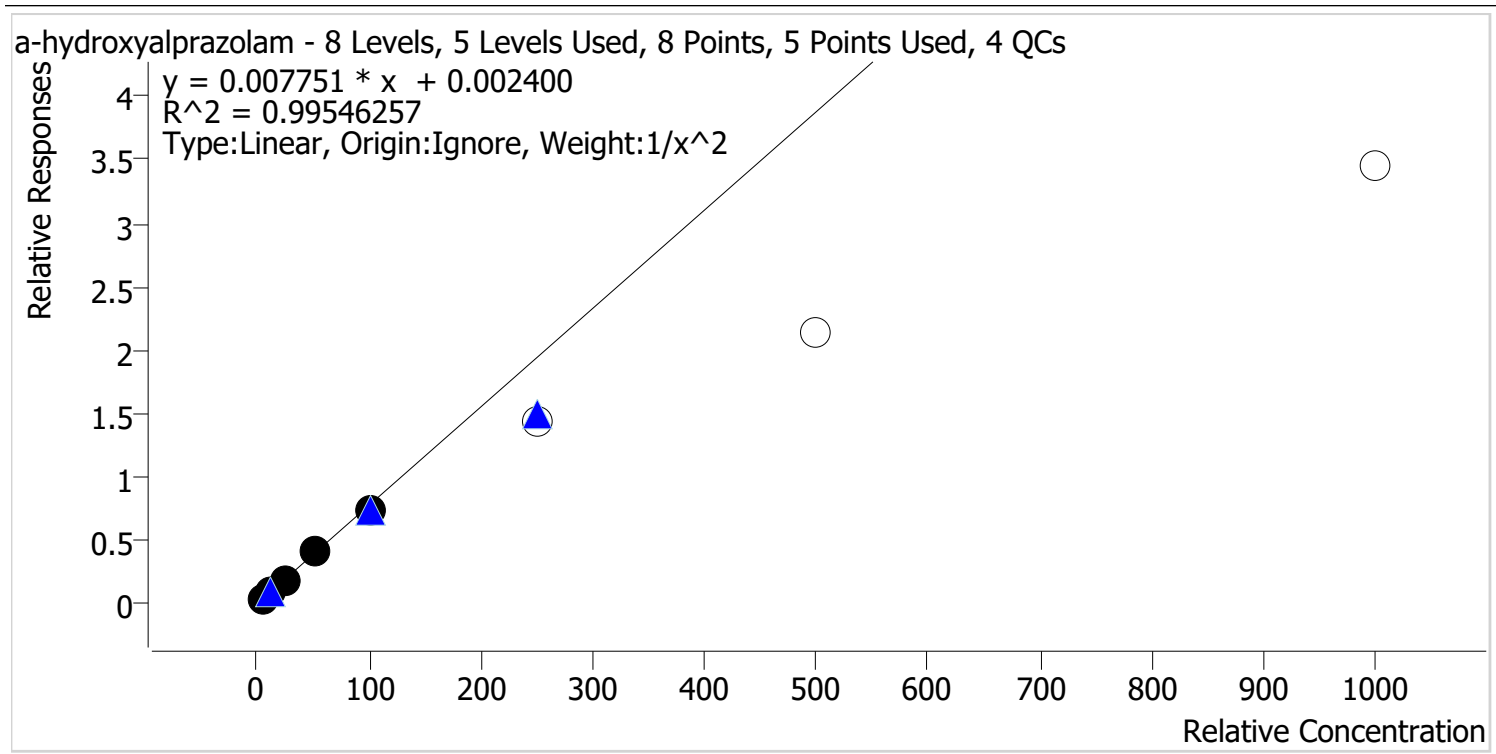
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.8
p1 Cal 2-10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.6
p1 Cal 4-50ng	4	✓	50.0	51.9	103.8
p1 Cal 5-100ng	5	✓	100.0	101.3	101.3
p1 Cal 6-250ng	6	✓	250.0	243.9	97.6
p1 Cal 7-500ng	7	✓	500.0	488.7	97.7
p1 Cal 8-1000ng	8	✓	1000.0	1004.1	100.4

8C



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Last Cal. Update 3/10/2021 11:28 AM
Analyst Name ISP\Datastor
Analyte a-hydroxyalprazolam **Internal Standard** Alprazolam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.2
p1 Cal 2-10ng	2	✓	10.0	10.6	105.6
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.3
p1 Cal 4-50ng	4	✓	50.0	52.3	104.7
p1 Cal 5-100ng	5	✓	100.0	93.2	93.2
p1 Cal 6-250ng	6	x	250.0	185.1	74.1
p1 Cal 7-500ng	7	x	500.0	274.9	55.0
p1 Cal 8-1000ng	8	x	1000.0	445.0	44.5

Calibrators 6-8 dropped due to not meeting accuracy requirement

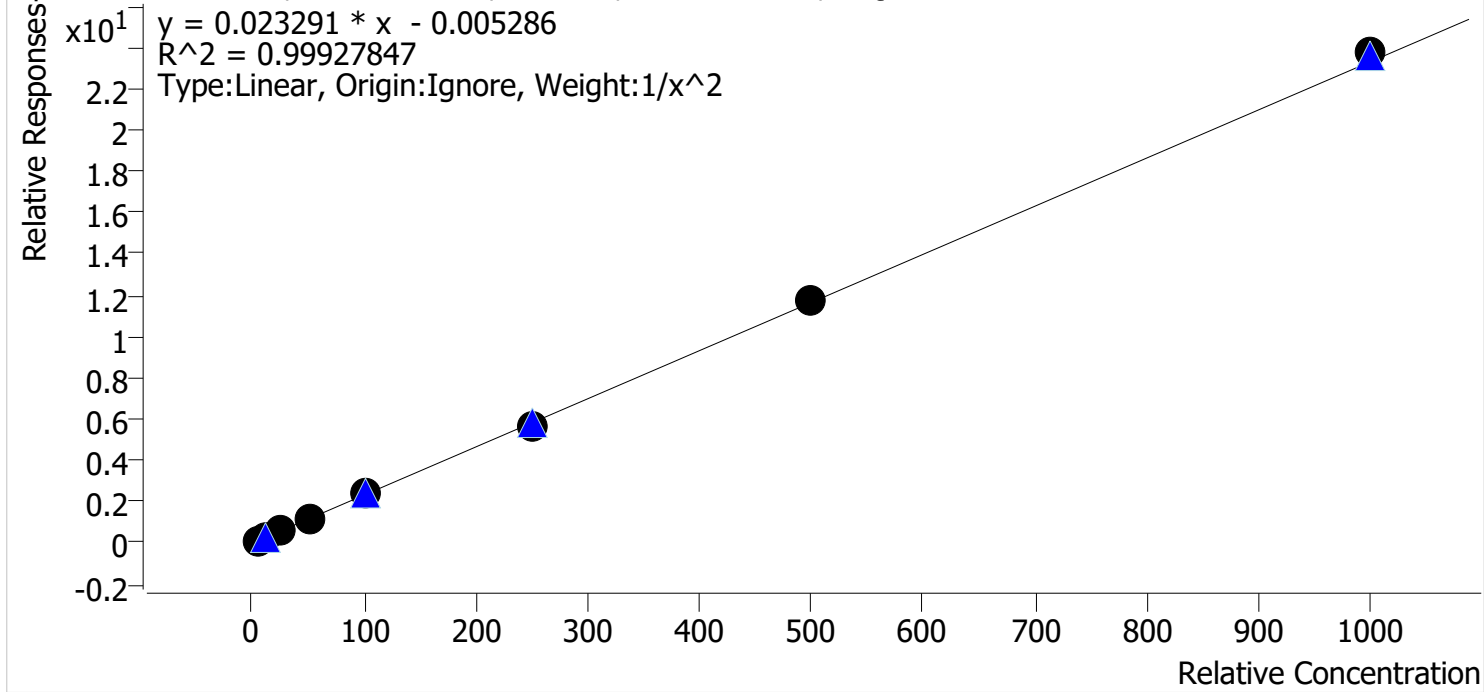
8C



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Last Cal. Update 3/10/2021 11:28 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	101.3
p1 Cal 2-10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.3
p1 Cal 4-50ng	4	✓	50.0	50.8	101.6
p1 Cal 5-100ng	5	✓	100.0	101.7	101.7
p1 Cal 6-250ng	6	✓	250.0	245.8	98.3
p1 Cal 7-500ng	7	✓	500.0	504.9	101.0
p1 Cal 8-1000ng	8	✓	1000.0	1019.2	101.9

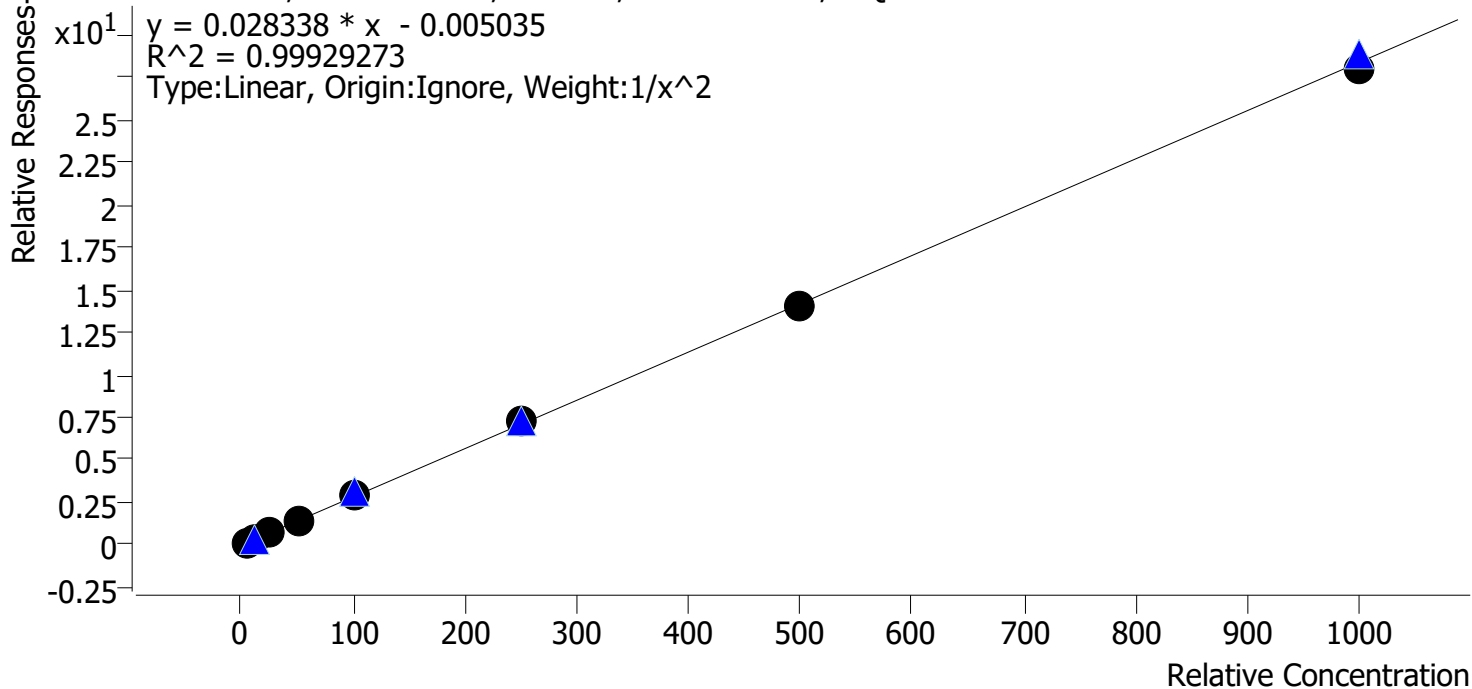
8C



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Last Cal. Update 3/10/2021 11:28 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	5.0	101.0
p1 Cal 2-10ng	2	✓	10.0	9.9	98.6
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.2
p1 Cal 4-50ng	4	✓	50.0	51.9	103.7
p1 Cal 5-100ng	5	✓	100.0	100.8	100.8
p1 Cal 6-250ng	6	✓	250.0	254.6	101.8
p1 Cal 7-500ng	7	✓	500.0	496.1	99.2
p1 Cal 8-1000ng	8	✓	1000.0	985.9	98.6

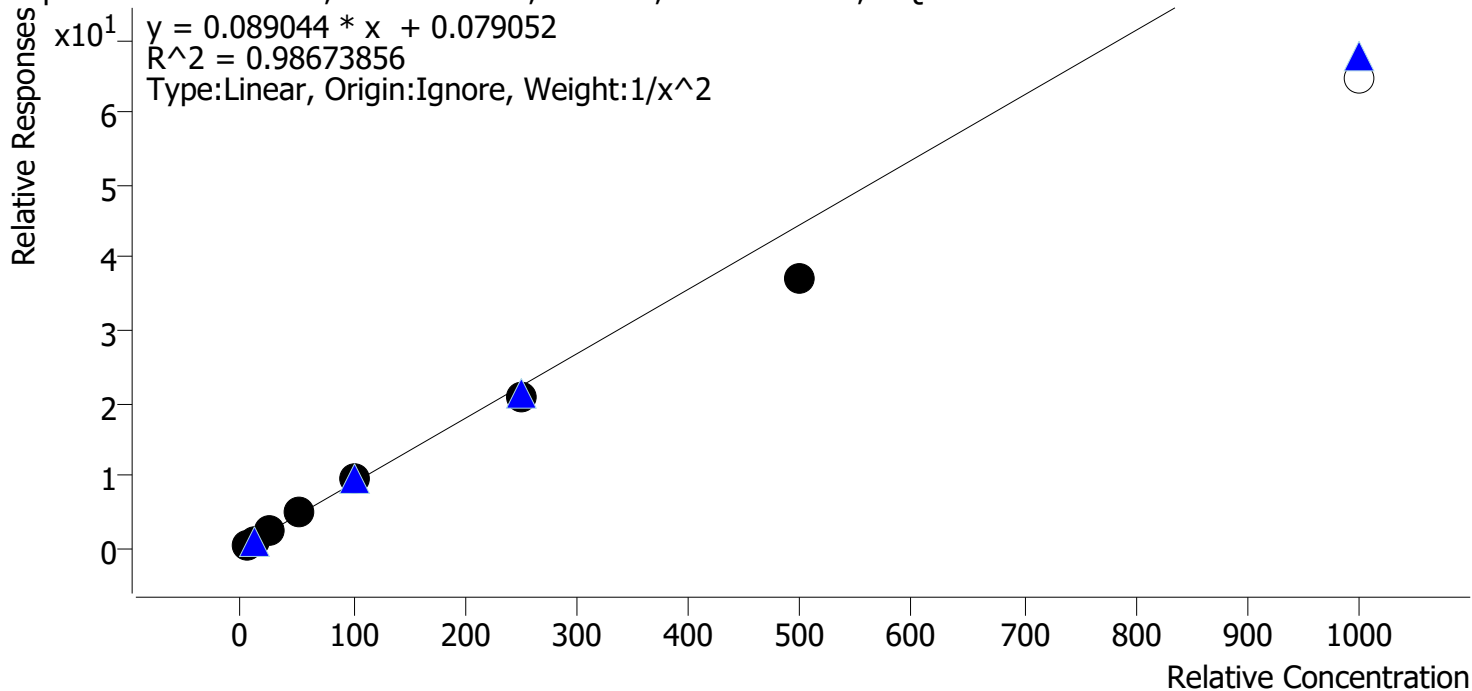
8C



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Last Cal. Update 3/10/2021 11:28 AM
Analyst Name ISP\Datastor
Analyte Amphetamine **Internal Standard** Amphetamine-D11

Amphetamine - 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	4.7	95.0
p1 Cal 2-10ng	2	✓	10.0	10.6	105.6
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.5
p1 Cal 4-50ng	4	✓	50.0	55.9	111.8
p1 Cal 5-100ng	5	✓	100.0	105.0	105.0
p1 Cal 6-250ng	6	✓	250.0	235.8	94.3
p1 Cal 7-500ng	7	✓	500.0	414.3	82.9
p1 Cal 8-1000ng	8	✗	1000.0	728.0	72.8

Calibrator 8 dropped due to not meeting accuracy requirement

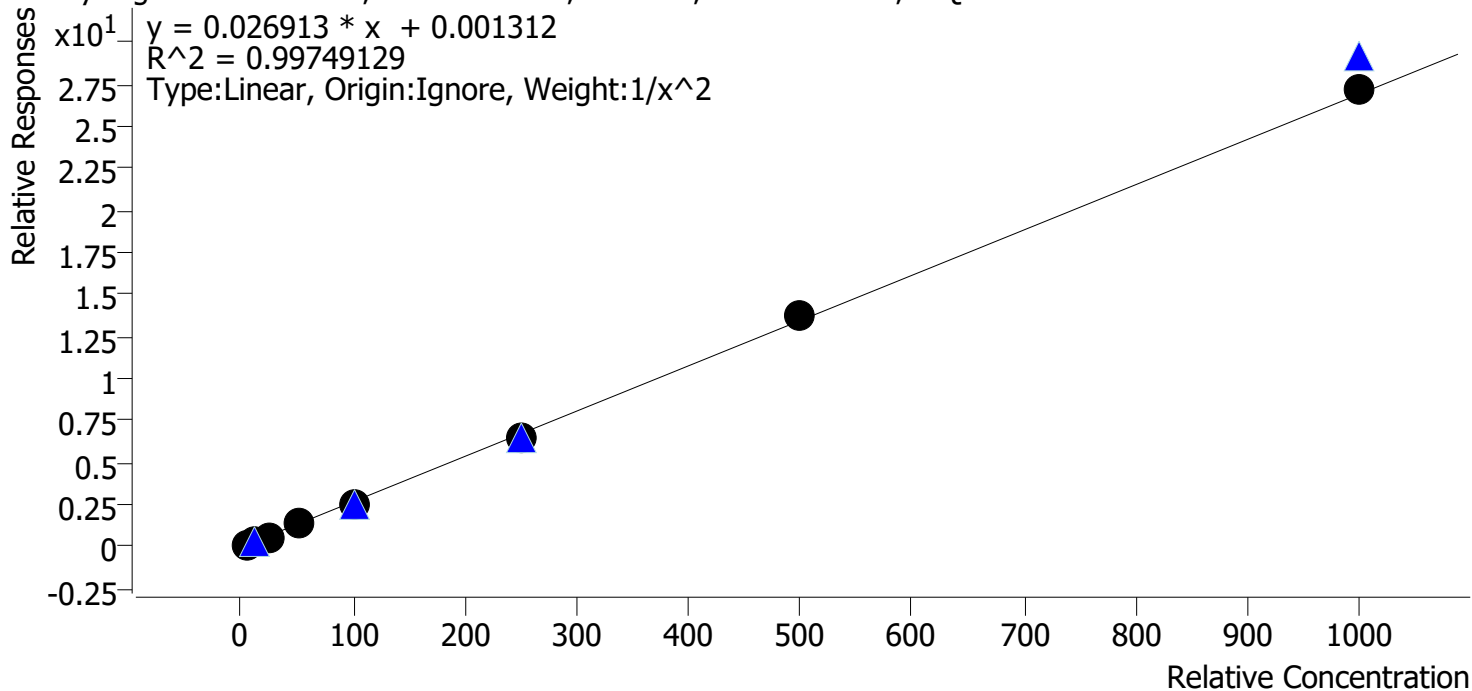
8C



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Last Cal. Update 3/10/2021 11:28 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	4.9	97.3
p1 Cal 2-10ng	2	✓	10.0	10.7	106.9
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.5
p1 Cal 4-50ng	4	✓	50.0	52.4	104.8
p1 Cal 5-100ng	5	✓	100.0	95.3	95.3
p1 Cal 6-250ng	6	✓	250.0	242.8	97.1
p1 Cal 7-500ng	7	✓	500.0	508.6	101.7
p1 Cal 8-1000ng	8	✓	1000.0	1014.2	101.4

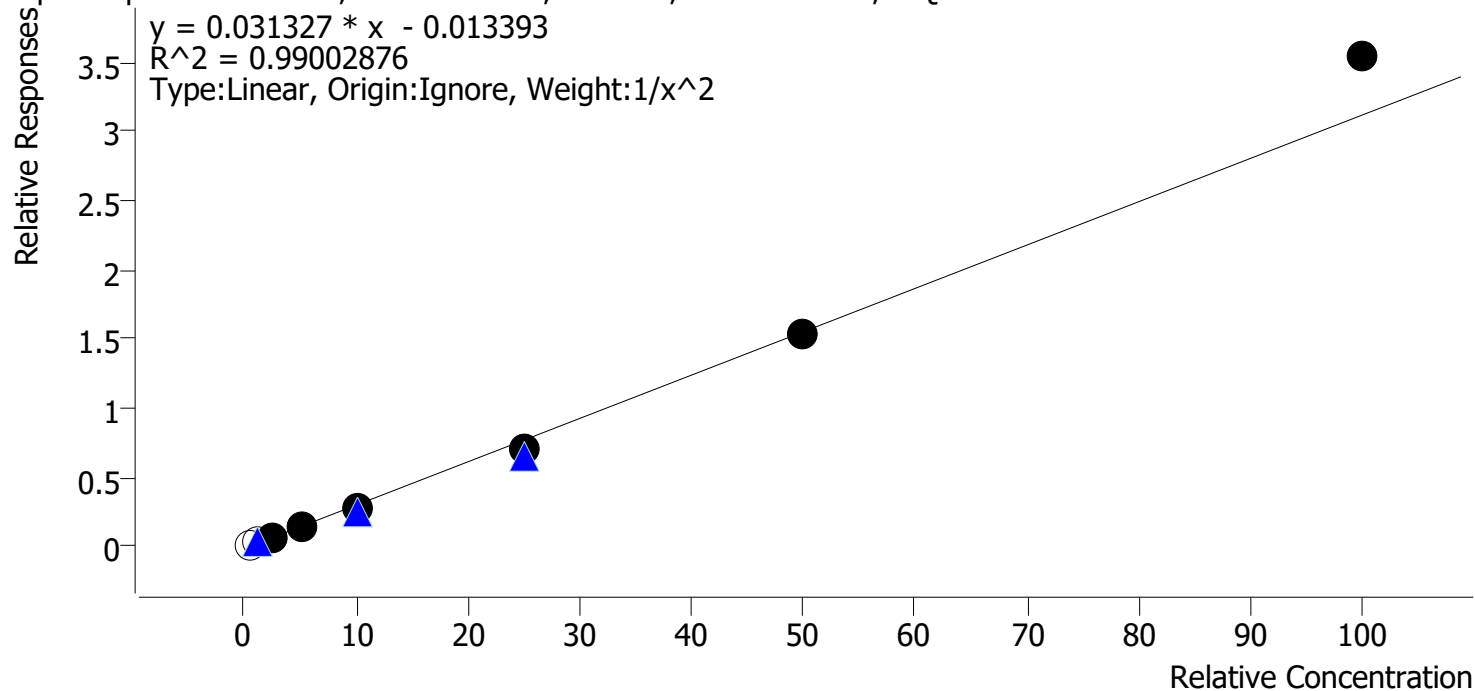
8C



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Last Cal. Update 3/10/2021 11:28 AM
Analyst Name ISP\Datastor
Analyte Buprenorphine **Internal Standard** Buprenorphine-D4

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	x	0.5	0.9	172.8
p1 Cal 2-10ng	2	x	1.0	1.3	127.3
p1 Cal 3 -25ng	3	✓	2.5	2.5	101.6
p1 Cal 4-50ng	4	✓	5.0	5.1	101.6
p1 Cal 5-100ng	5	✓	10.0	9.3	93.0
p1 Cal 6-250ng	6	✓	25.0	22.7	90.7
p1 Cal 7-500ng	7	✓	50.0	49.8	99.6
p1 Cal 8-1000ng	8	✓	100.0	113.5	113.5

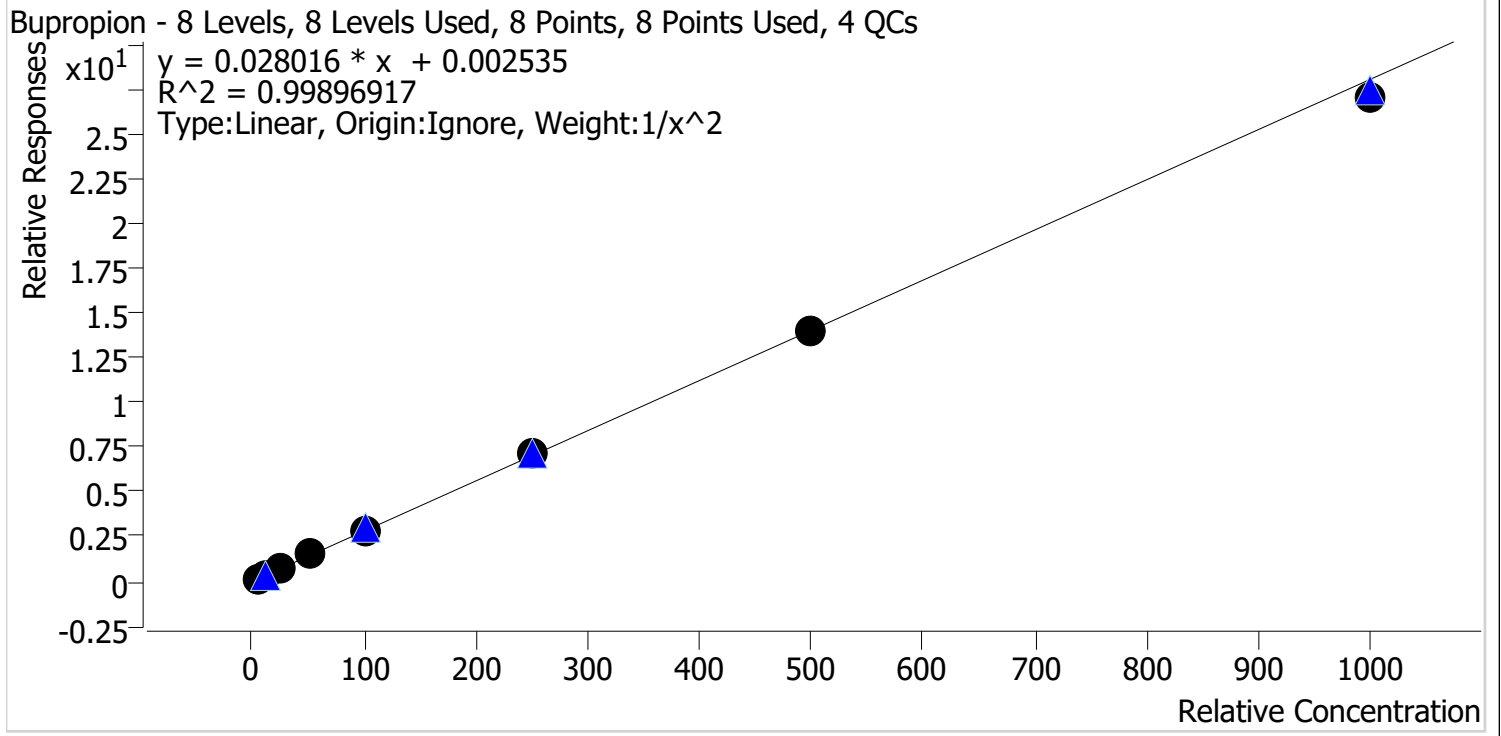
Calibrators 1 and 2 dropped due to not meeting accuracy requirement

8C



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Last Cal. Update 3/10/2021 11:28 AM
Analyst Name ISP\Datastor
Analyte Bupropion **Internal Standard** Bupropion-D9



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	101.0
p1 Cal 2-10ng	2	✓	10.0	9.7	97.2
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.2
p1 Cal 4-50ng	4	✓	50.0	52.7	105.4
p1 Cal 5-100ng	5	✓	100.0	101.1	101.1
p1 Cal 6-250ng	6	✓	250.0	251.4	100.5
p1 Cal 7-500ng	7	✓	500.0	496.8	99.4
p1 Cal 8-1000ng	8	✓	1000.0	961.8	96.2

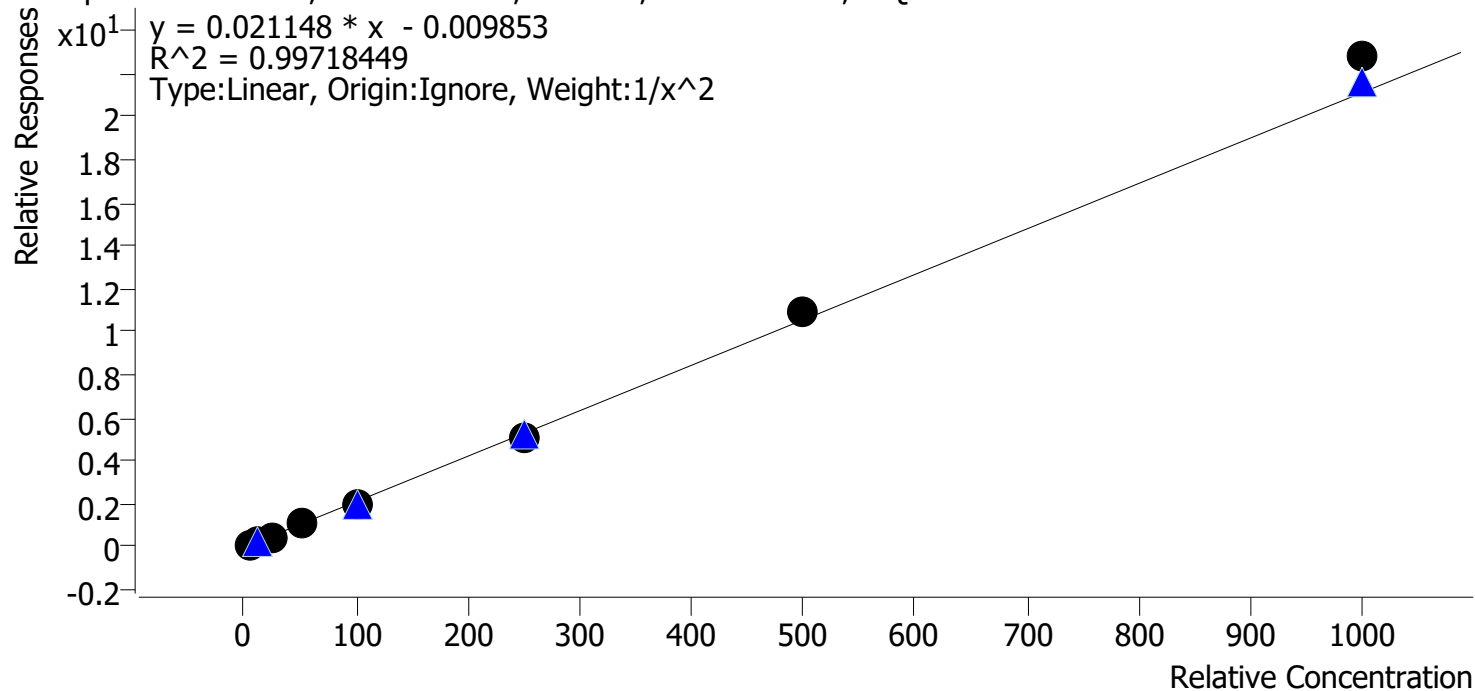
8C



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Last Cal. Update 3/10/2021 11:28 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	5.2	103.0
p1 Cal 2-10ng	2	✓	10.0	9.6	96.5
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.3
p1 Cal 4-50ng	4	✓	50.0	50.1	100.3
p1 Cal 5-100ng	5	✓	100.0	96.9	96.9
p1 Cal 6-250ng	6	✓	250.0	243.3	97.3
p1 Cal 7-500ng	7	✓	500.0	519.2	103.8
p1 Cal 8-1000ng	8	✓	1000.0	1079.3	107.9

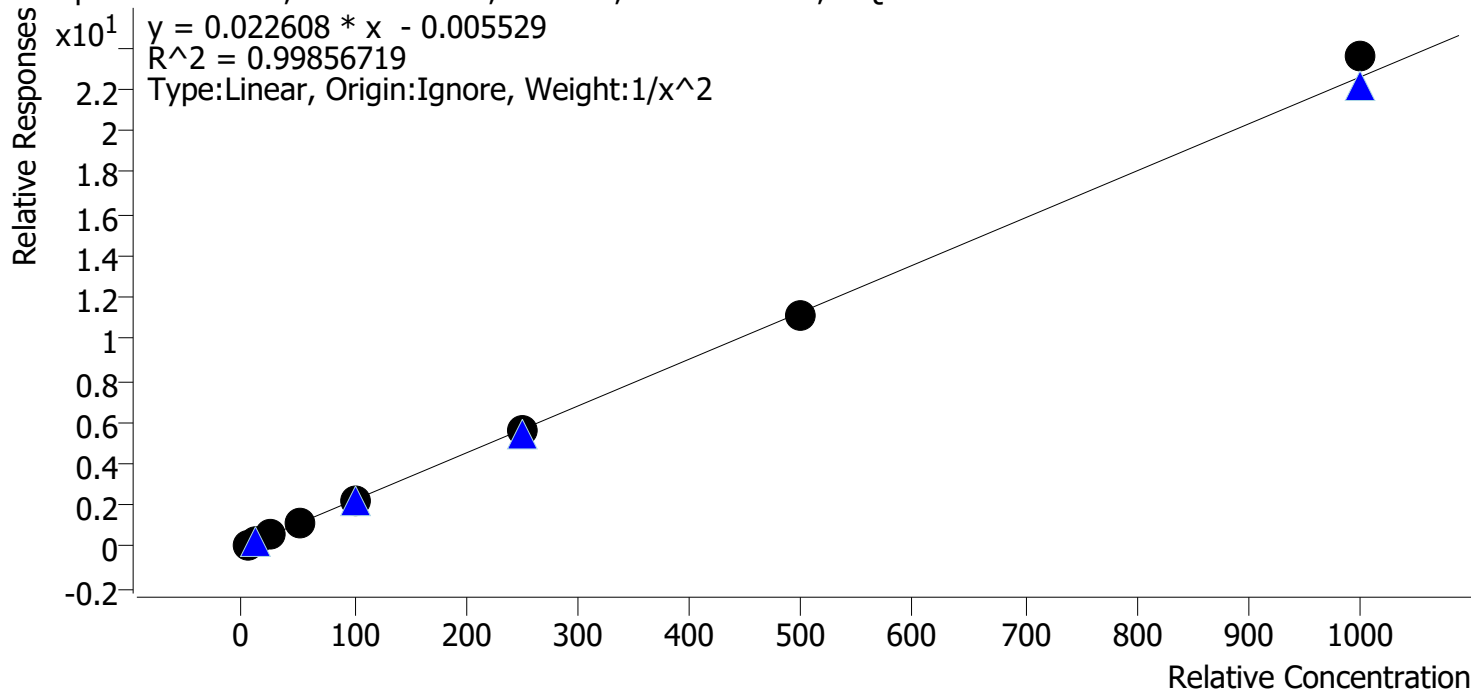
8C



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Last Cal. Update 3/10/2021 11:28 AM
Analyst Name ISP\Datastor
Analyte Citalopram **Internal Standard** Citalopram-D6

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



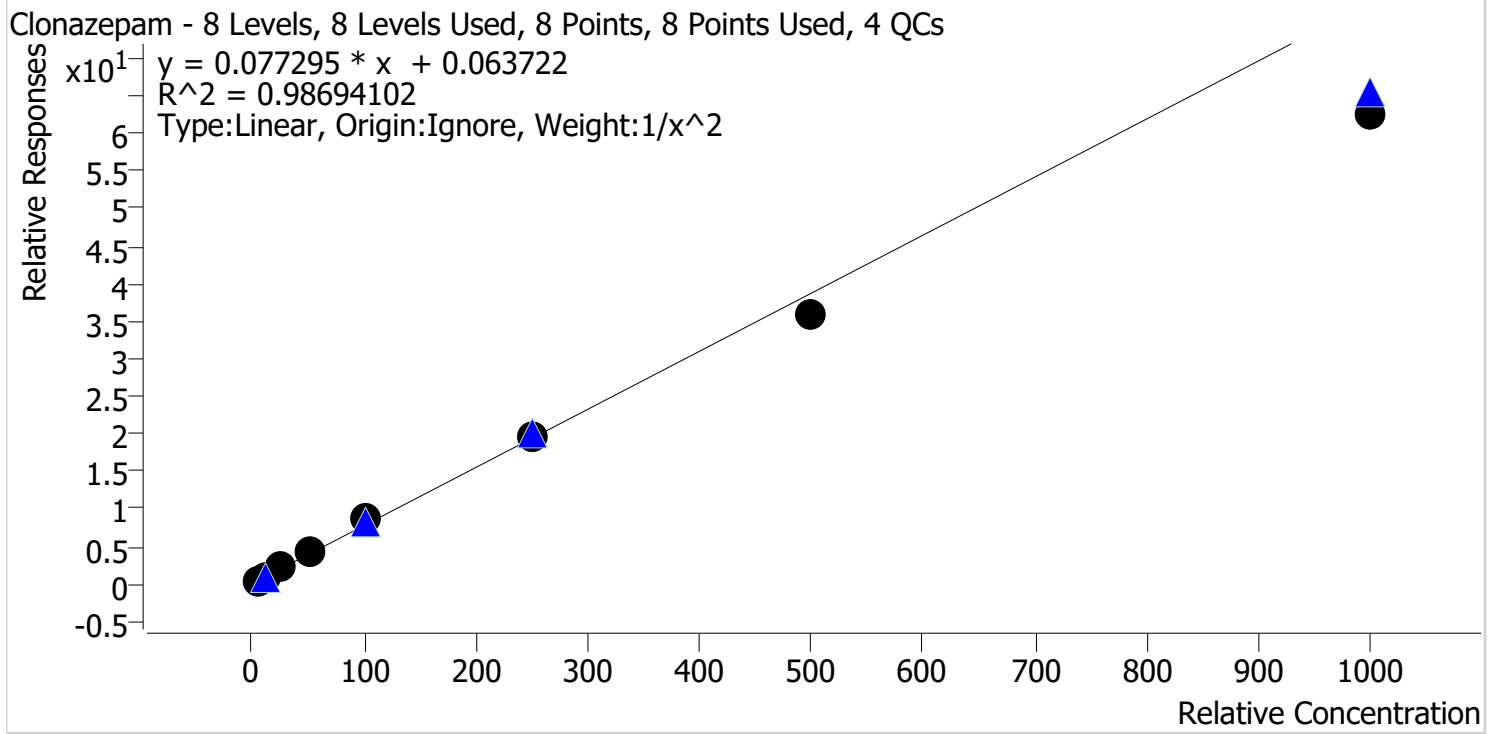
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.2
p1 Cal 2-10ng	2	✓	10.0	9.9	99.0
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.9
p1 Cal 4-50ng	4	✓	50.0	52.3	104.7
p1 Cal 5-100ng	5	✓	100.0	97.9	97.9
p1 Cal 6-250ng	6	✓	250.0	248.0	99.2
p1 Cal 7-500ng	7	✓	500.0	494.4	98.9
p1 Cal 8-1000ng	8	✓	1000.0	1043.4	104.3

8C



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Last Cal. Update 3/10/2021 11:28 AM
Analyst Name ISP\Datastor
Analyte Clonazepam **Internal Standard** Clonazepam-D4



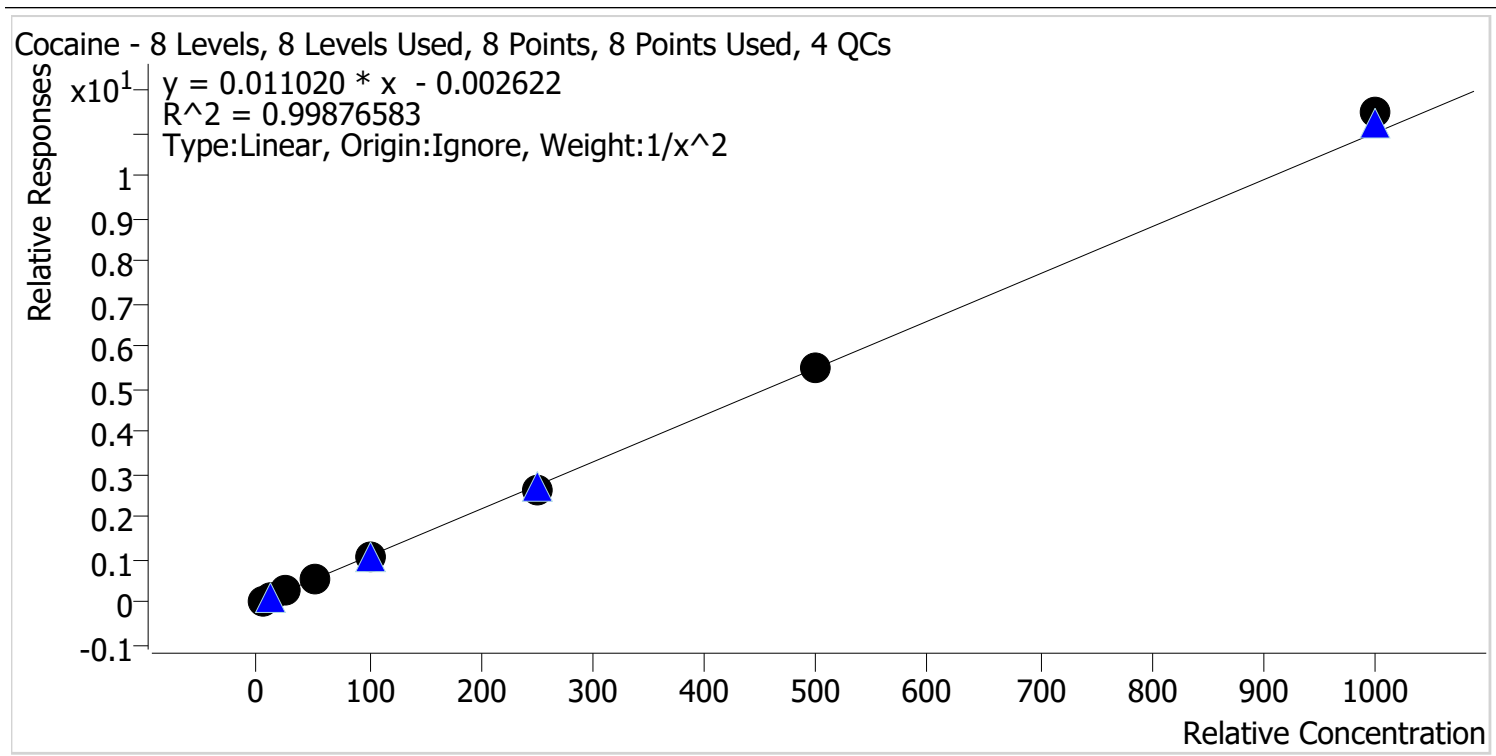
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.8
p1 Cal 2-10ng	2	✓	10.0	10.1	100.7
p1 Cal 3 -25ng	3	✓	25.0	26.7	106.8
p1 Cal 4-50ng	4	✓	50.0	56.0	112.0
p1 Cal 5-100ng	5	✓	100.0	109.1	109.1
p1 Cal 6-250ng	6	✓	250.0	251.7	100.7
p1 Cal 7-500ng	7	✓	500.0	463.9	92.8
p1 Cal 8-1000ng	8	✓	1000.0	810.4	81.0

8C



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Last Cal. Update 3/10/2021 11:28 AM
Analyst Name ISP\Datastor
Analyte Cocaine **Internal Standard** Cocaine-d3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.1
p1 Cal 2-10ng	2	✓	10.0	9.6	96.5
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.2
p1 Cal 4-50ng	4	✓	50.0	51.6	103.3
p1 Cal 5-100ng	5	✓	100.0	99.2	99.2
p1 Cal 6-250ng	6	✓	250.0	242.2	96.9
p1 Cal 7-500ng	7	✓	500.0	503.2	100.6
p1 Cal 8-1000ng	8	✓	1000.0	1043.0	104.3

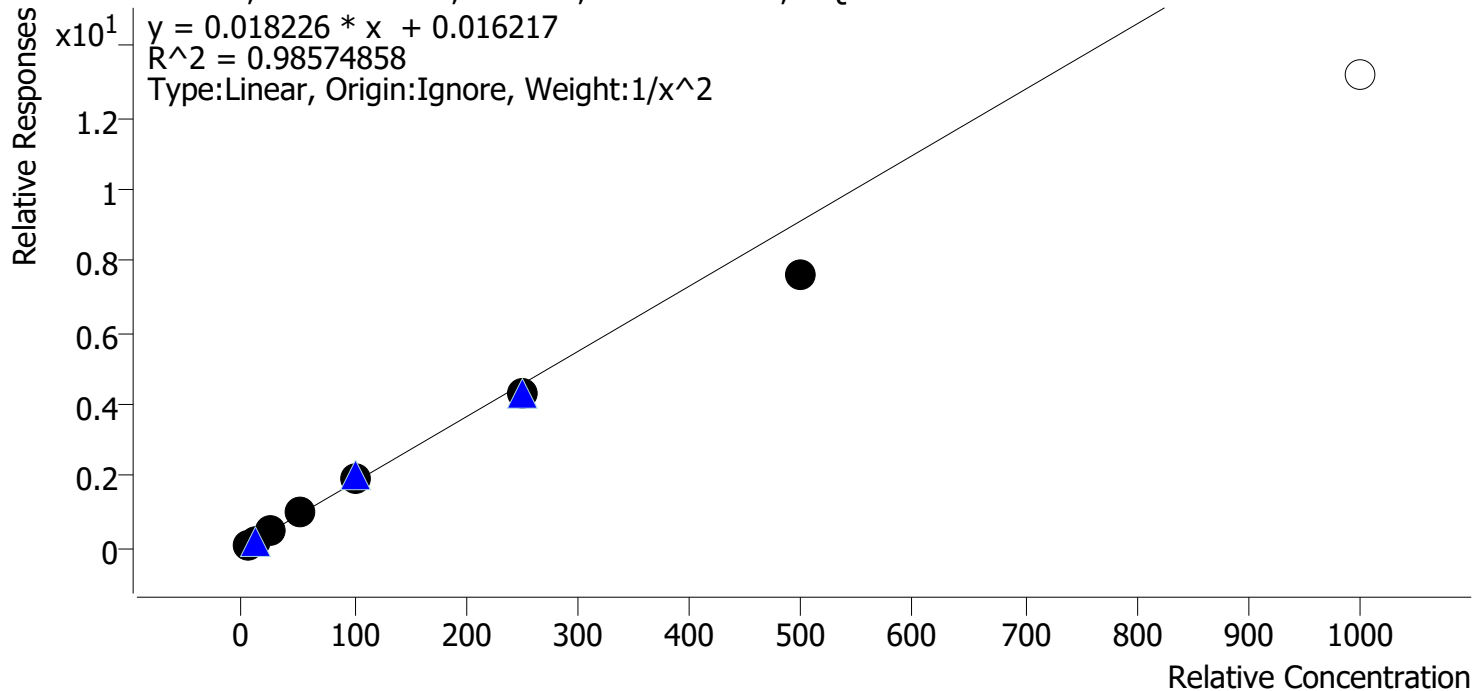
8C



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Last Cal. Update 3/10/2021 11:28 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	97.9
p1 Cal 2-10ng	2	✓	10.0	9.9	98.9
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.4
p1 Cal 4-50ng	4	✓	50.0	57.6	115.3
p1 Cal 5-100ng	5	✓	100.0	105.3	105.3
p1 Cal 6-250ng	6	✓	250.0	235.6	94.2
p1 Cal 7-500ng	7	✓	500.0	414.7	82.9
p1 Cal 8-1000ng	8	✗	1000.0	722.2	72.2

Calibrator 8 dropped due to not meeting accuracy requirement

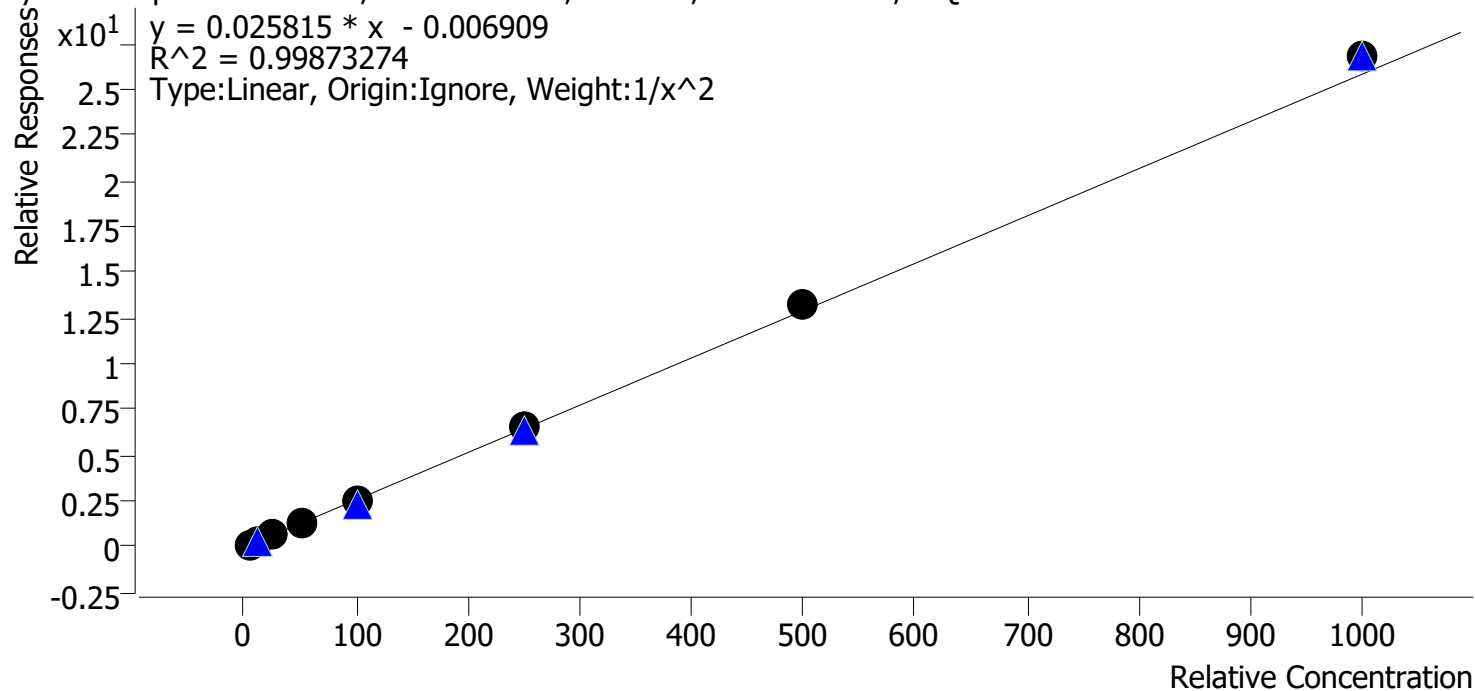
8C



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Last Cal. Update 3/10/2021 11:28 AM
Analyst Name ISP\Datastor
Analyte Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.6
p1 Cal 2-10ng	2	✓	10.0	9.7	97.1
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.9
p1 Cal 4-50ng	4	✓	50.0	49.1	98.3
p1 Cal 5-100ng	5	✓	100.0	99.6	99.6
p1 Cal 6-250ng	6	✓	250.0	252.8	101.1
p1 Cal 7-500ng	7	✓	500.0	514.2	102.8
p1 Cal 8-1000ng	8	✓	1000.0	1036.1	103.6

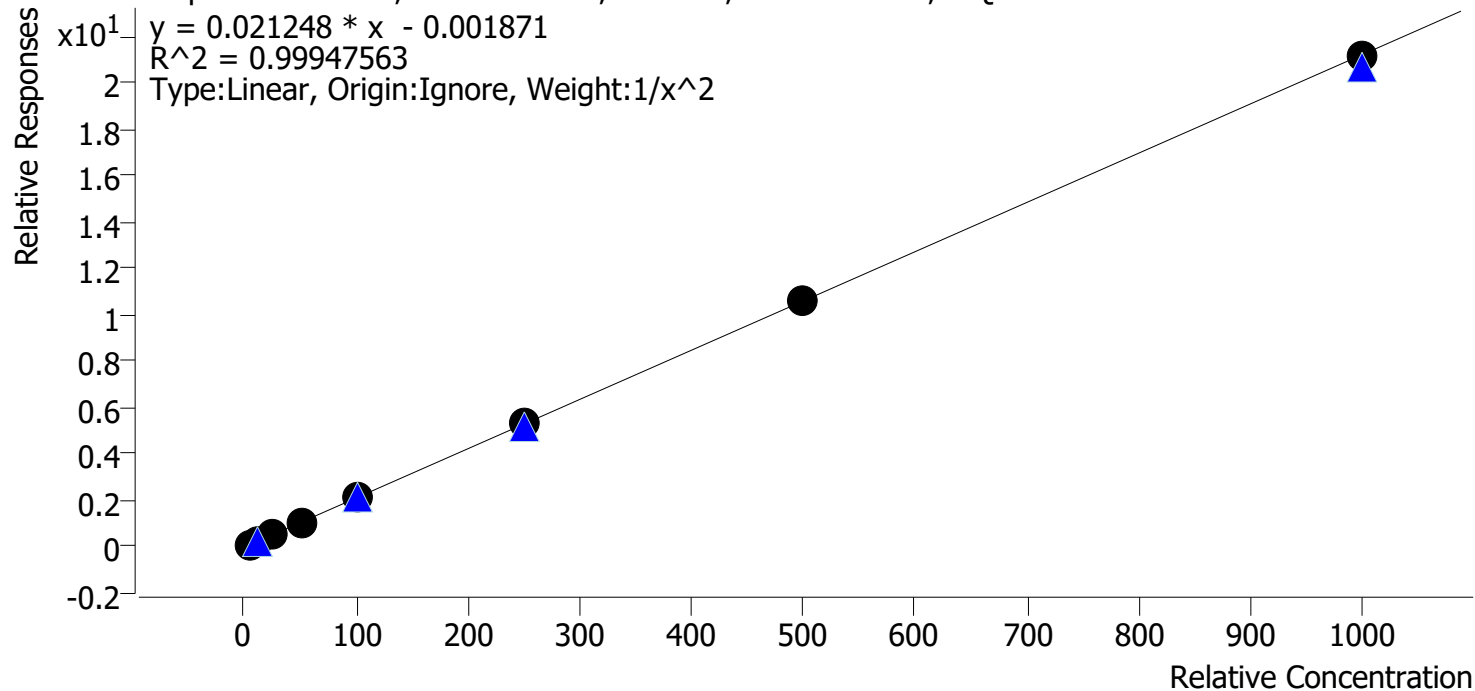
8C



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Last Cal. Update 3/10/2021 11:28 AM
Analyst Name ISP\Datastor
Analyte Dextromethorphan **Internal Standard** Dextromethorphan-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.7
p1 Cal 2-10ng	2	✓	10.0	9.9	98.9
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.5
p1 Cal 4-50ng	4	✓	50.0	52.2	104.3
p1 Cal 5-100ng	5	✓	100.0	99.6	99.6
p1 Cal 6-250ng	6	✓	250.0	248.5	99.4
p1 Cal 7-500ng	7	✓	500.0	500.1	100.0
p1 Cal 8-1000ng	8	✓	1000.0	996.1	99.6

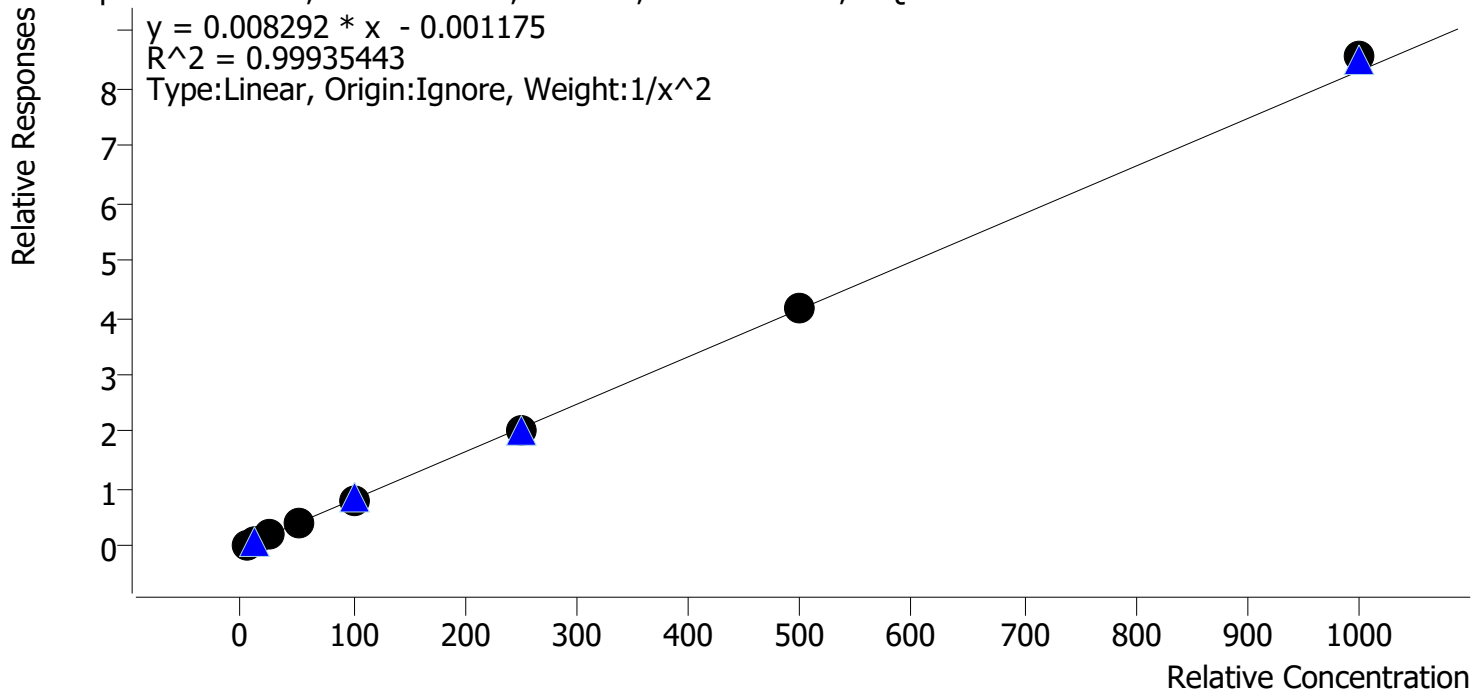
8C



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Last Cal. Update 3/10/2021 11:28 AM
Analyst Name ISP\Datastor
Analyte Dextrorphan **Internal Standard** Dextrorphan-D3

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



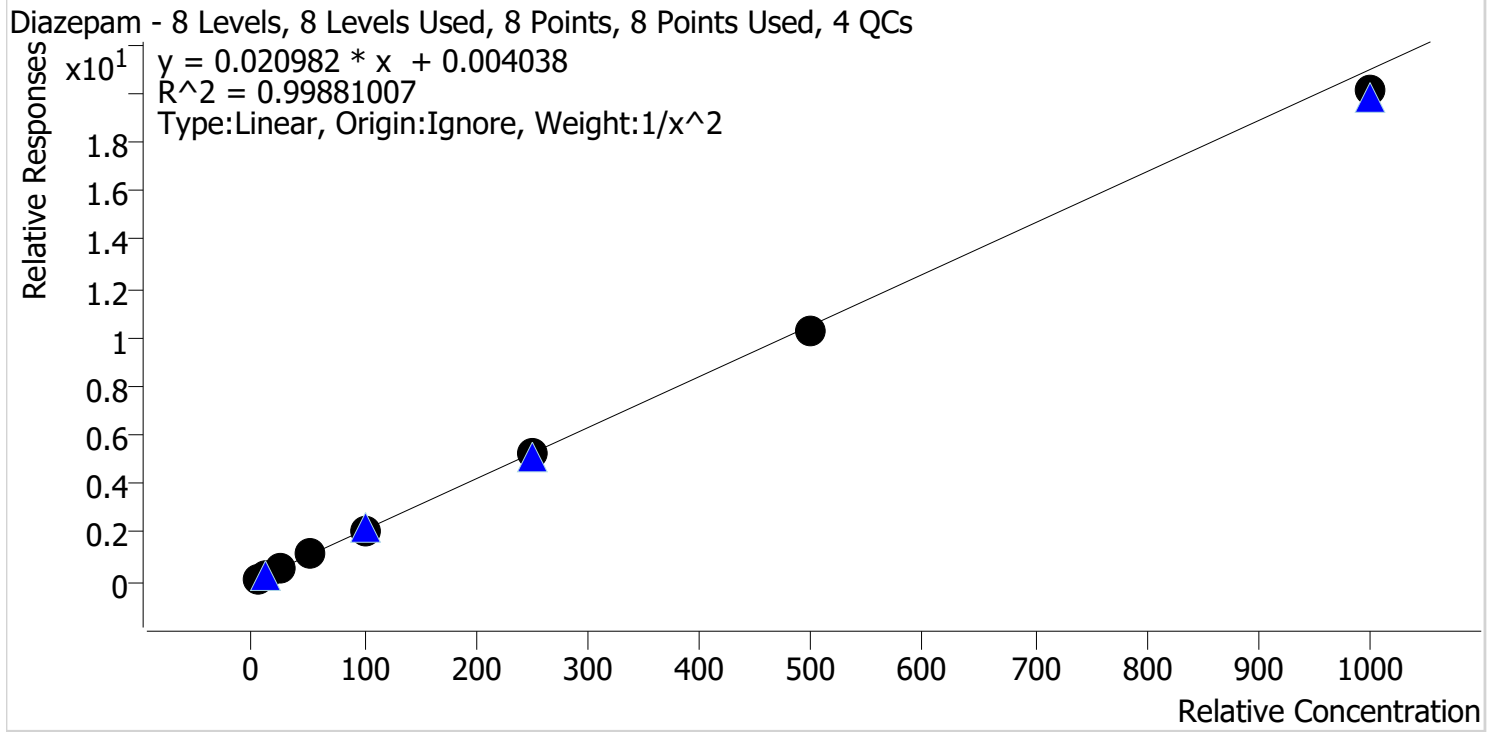
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.9
p1 Cal 2-10ng	2	✓	10.0	9.8	98.4
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.3
p1 Cal 4-50ng	4	✓	50.0	51.6	103.2
p1 Cal 5-100ng	5	✓	100.0	98.7	98.7
p1 Cal 6-250ng	6	✓	250.0	243.8	97.5
p1 Cal 7-500ng	7	✓	500.0	499.8	100.0
p1 Cal 8-1000ng	8	✓	1000.0	1030.3	103.0

8C



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Last Cal. Update 3/10/2021 11:28 AM
Analyst Name ISP\Datastor
Analyte Diazepam **Internal Standard** Diazepam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.3
p1 Cal 2-10ng	2	✓	10.0	10.2	102.2
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.4
p1 Cal 4-50ng	4	✓	50.0	52.9	105.8
p1 Cal 5-100ng	5	✓	100.0	100.2	100.2
p1 Cal 6-250ng	6	✓	250.0	247.5	99.0
p1 Cal 7-500ng	7	✓	500.0	491.0	98.2
p1 Cal 8-1000ng	8	✓	1000.0	958.7	95.9

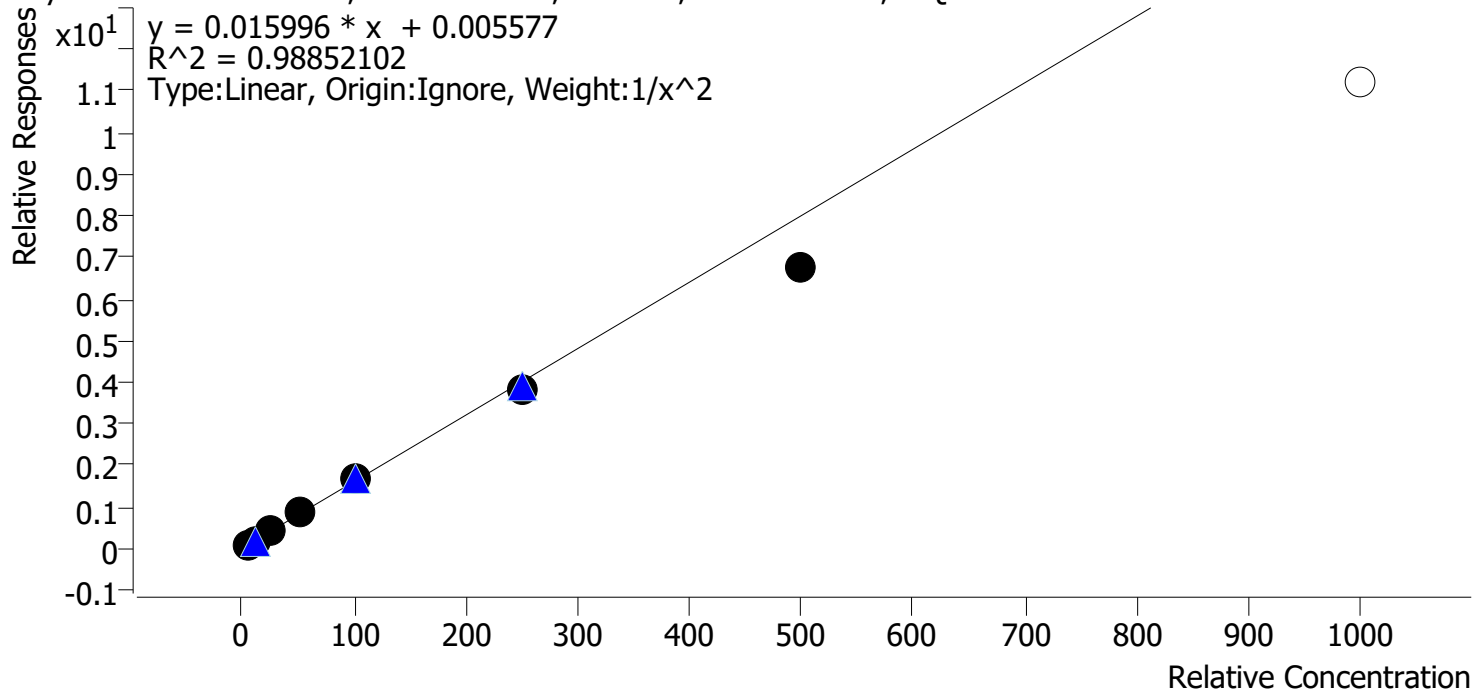
8C



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Last Cal. Update 3/10/2021 11:28 AM
Analyst Name ISP\Datastor
Analyte Dihydrocodeine **Internal Standard** Dihydrocodeine-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.9
p1 Cal 2-10ng	2	✓	10.0	9.9	99.3
p1 Cal 3 -25ng	3	✓	25.0	26.5	106.0
p1 Cal 4-50ng	4	✓	50.0	56.2	112.5
p1 Cal 5-100ng	5	✓	100.0	105.1	105.1
p1 Cal 6-250ng	6	✓	250.0	237.8	95.1
p1 Cal 7-500ng	7	✓	500.0	420.6	84.1
p1 Cal 8-1000ng	8	✗	1000.0	702.5	70.2

Calibrator 8 dropped due to not meeting accuracy requirement

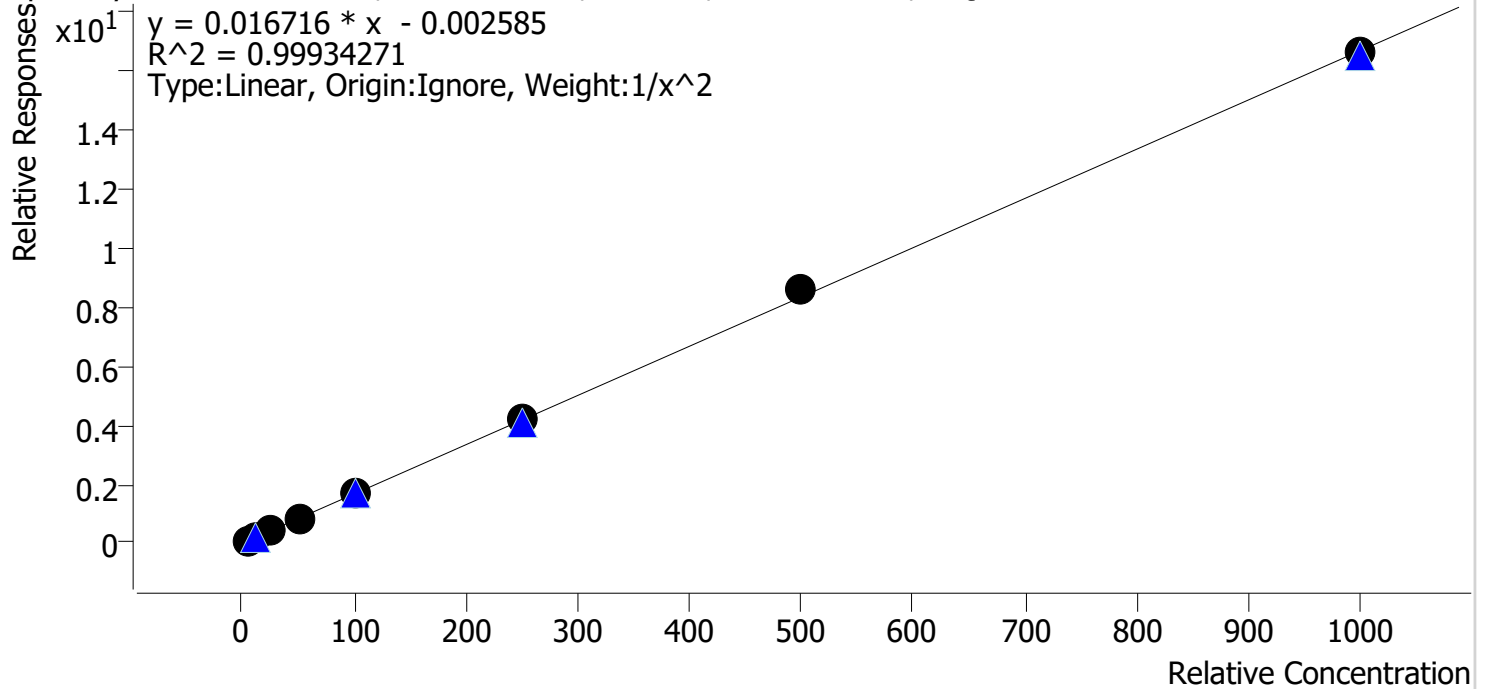
8C



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Last Cal. Update 3/10/2021 11:28 AM
Analyst Name ISP\Datastor
Analyte Diphenhydramine **Internal Standard** Diphenhydramine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.6
p1 Cal 2-10ng	2	✓	10.0	10.0	100.2
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.6
p1 Cal 4-50ng	4	✓	50.0	51.1	102.3
p1 Cal 5-100ng	5	✓	100.0	98.9	98.9
p1 Cal 6-250ng	6	✓	250.0	249.7	99.9
p1 Cal 7-500ng	7	✓	500.0	514.7	102.9
p1 Cal 8-1000ng	8	✓	1000.0	996.2	99.6

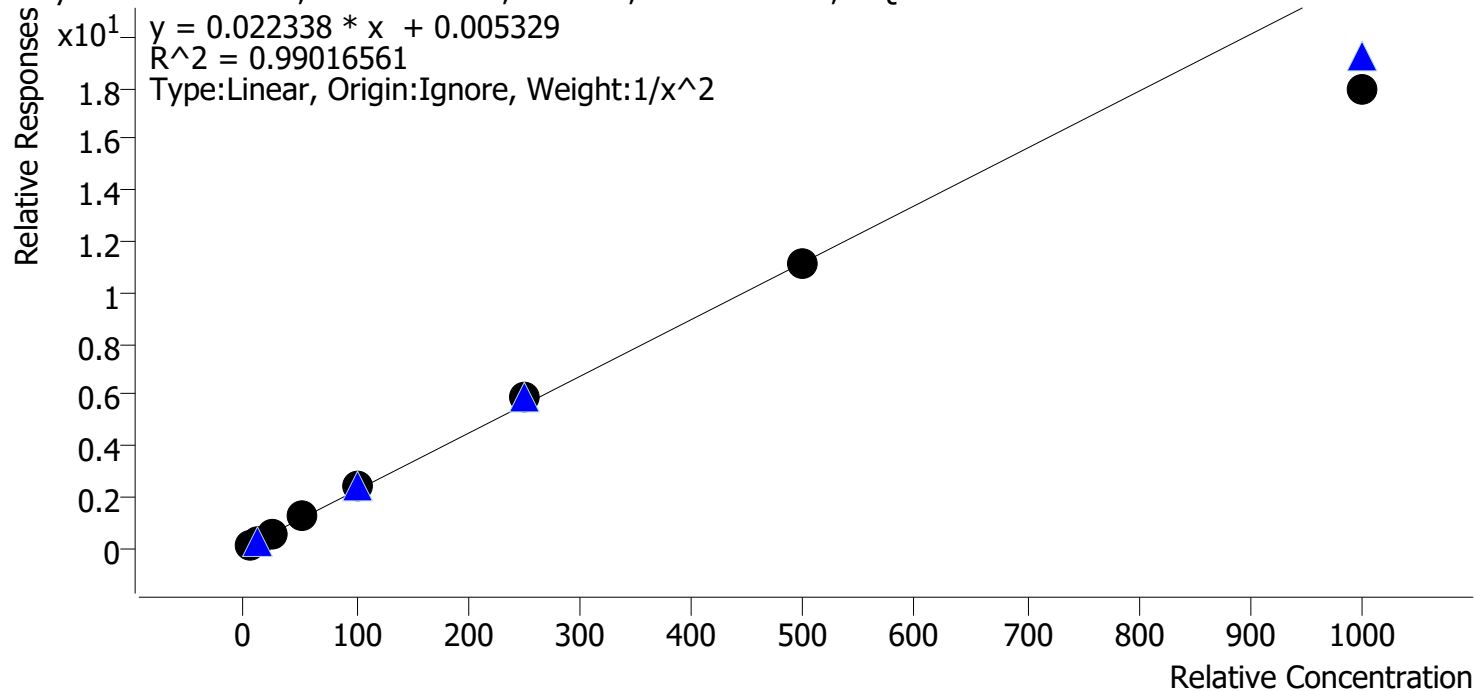
8C



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Last Cal. Update 3/10/2021 11:28 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	4.9	98.3
p1 Cal 2-10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.1
p1 Cal 4-50ng	4	✓	50.0	54.3	108.5
p1 Cal 5-100ng	5	✓	100.0	106.1	106.1
p1 Cal 6-250ng	6	✓	250.0	263.7	105.5
p1 Cal 7-500ng	7	✓	500.0	496.6	99.3
p1 Cal 8-1000ng	8	✓	1000.0	805.4	80.5

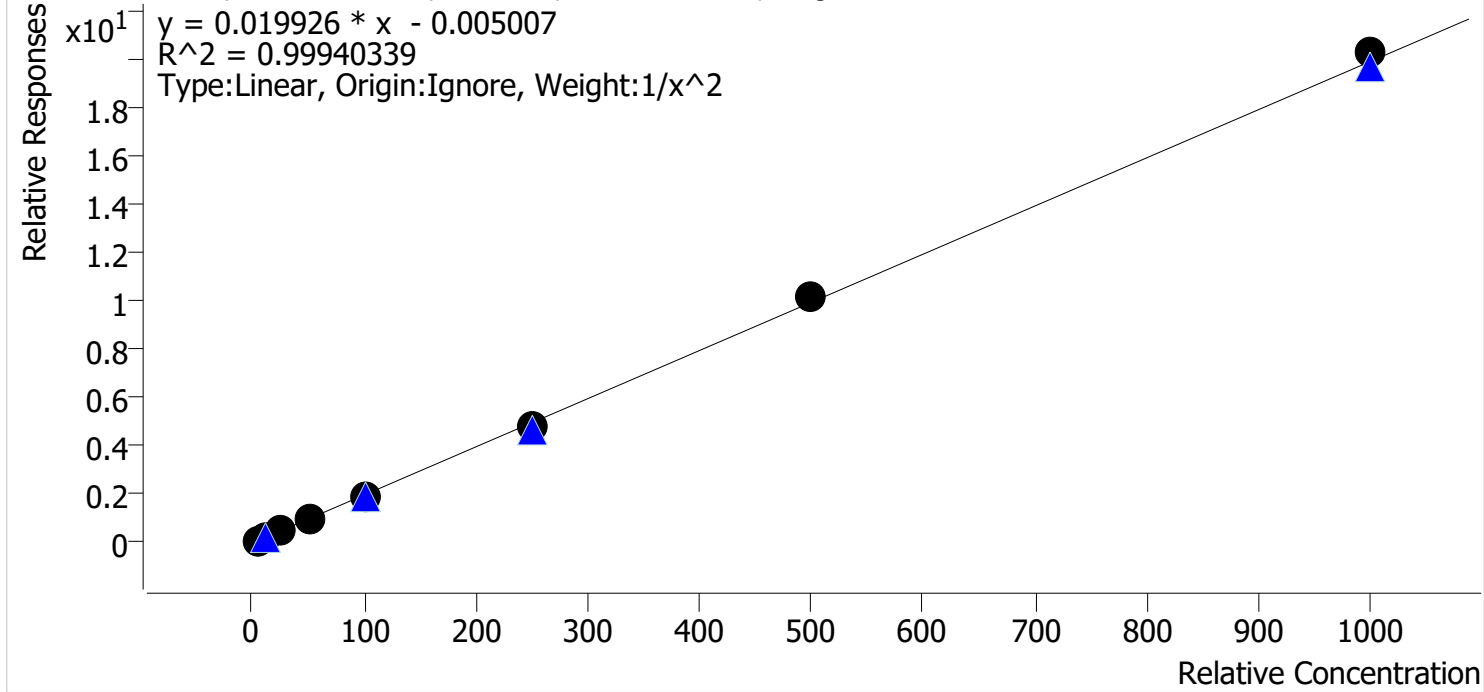
8C



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Last Cal. Update 3/10/2021 11:28 AM
Analyst Name ISP\Datastor
Analyte EDDP **Internal Standard** EDDP-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.9
p1 Cal 2-10ng	2	✓	10.0	9.8	98.5
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.5
p1 Cal 4-50ng	4	✓	50.0	51.3	102.5
p1 Cal 5-100ng	5	✓	100.0	98.8	98.8
p1 Cal 6-250ng	6	✓	250.0	242.0	96.8
p1 Cal 7-500ng	7	✓	500.0	510.6	102.1
p1 Cal 8-1000ng	8	✓	1000.0	1018.6	101.9

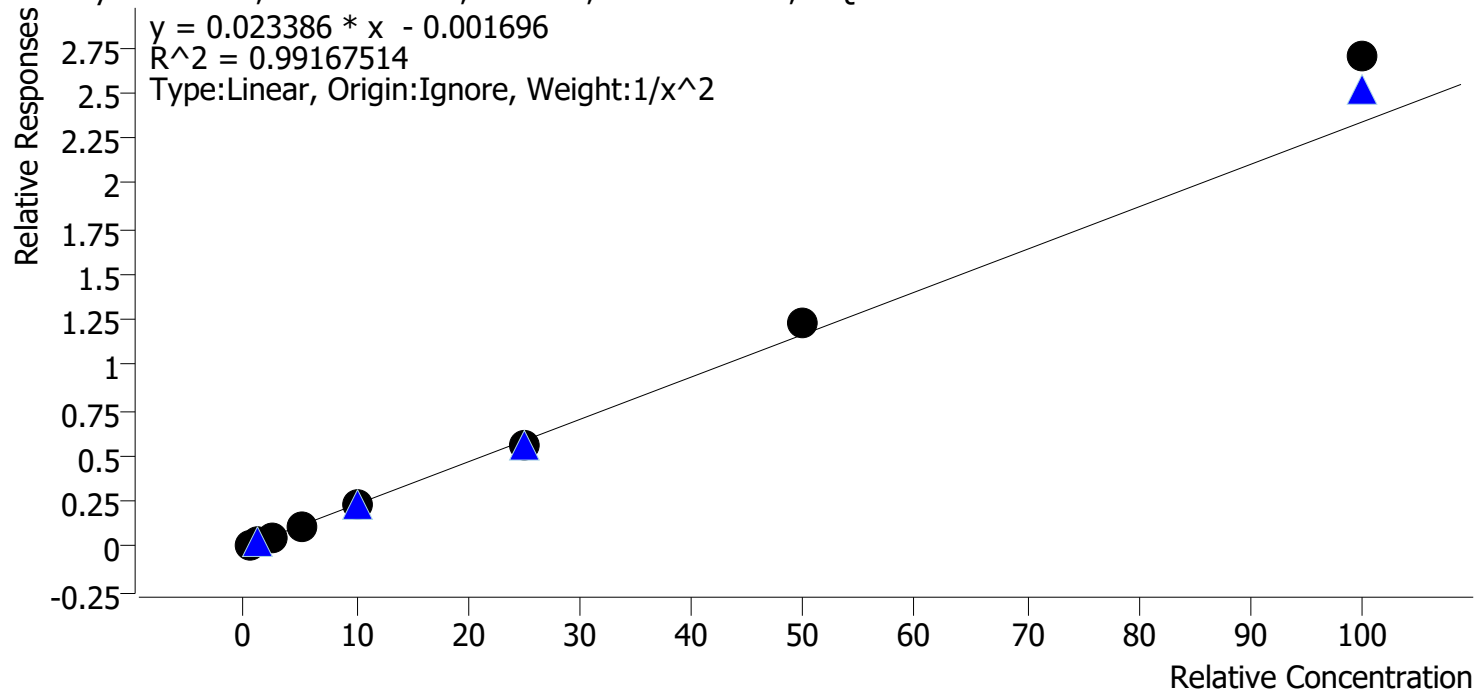
8C



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Last Cal. Update 3/10/2021 11:28 AM
Analyst Name ISP\Datastor
Analyte Fentanyl **Internal Standard** Fentanyl-D5

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



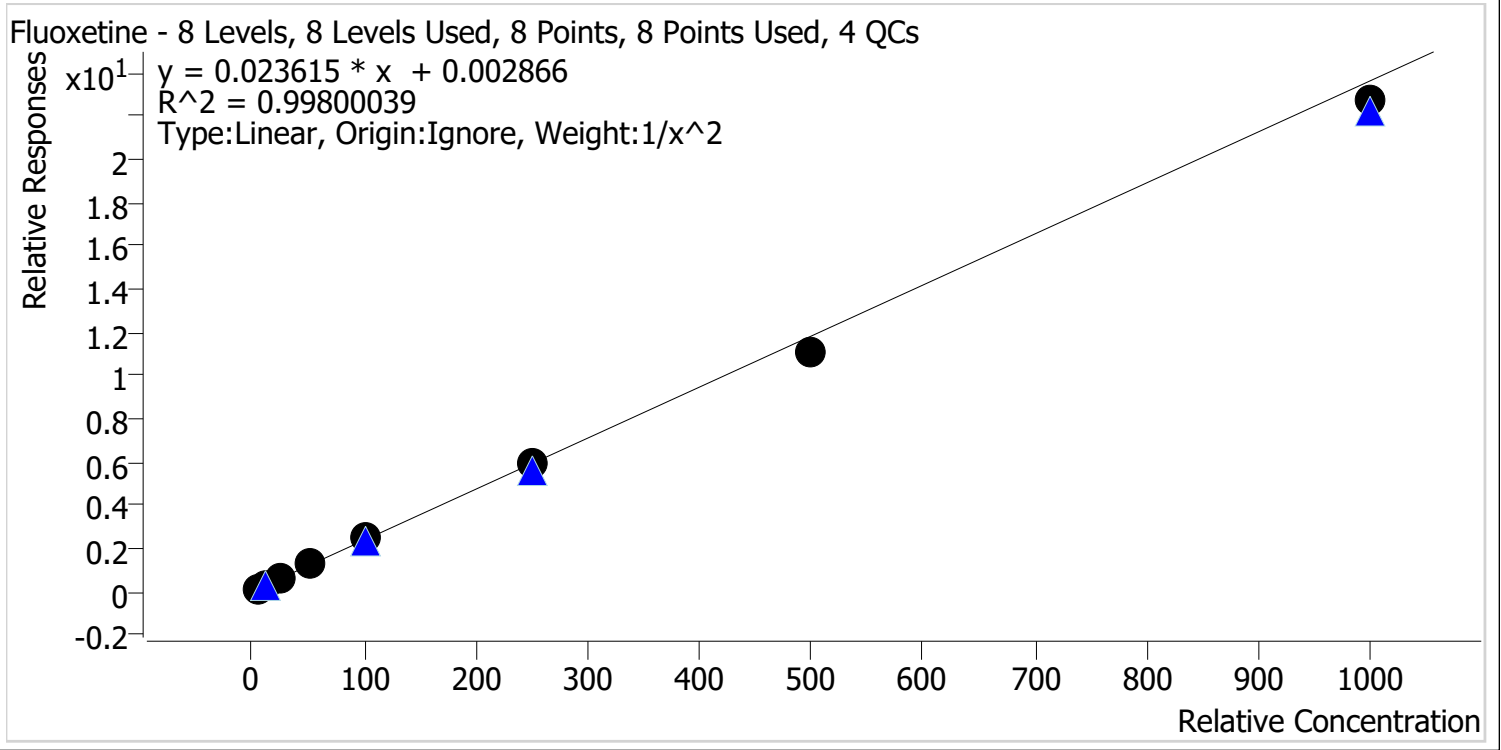
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	104.8
p1 Cal 2-10ng	2	✓	1.0	1.0	95.0
p1 Cal 3 -25ng	3	✓	2.5	2.3	91.4
p1 Cal 4-50ng	4	✓	5.0	4.7	94.6
p1 Cal 5-100ng	5	✓	10.0	9.8	97.7
p1 Cal 6-250ng	6	✓	25.0	23.9	95.7
p1 Cal 7-500ng	7	✓	50.0	52.7	105.5
p1 Cal 8-1000ng	8	✓	100.0	115.4	115.4

8C



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Last Cal. Update 3/10/2021 11:28 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	4.9	98.0
p1 Cal 2-10ng	2	✓	10.0	10.2	102.3
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.8
p1 Cal 4-50ng	4	✓	50.0	53.3	106.6
p1 Cal 5-100ng	5	✓	100.0	102.3	102.3
p1 Cal 6-250ng	6	✓	250.0	249.0	99.6
p1 Cal 7-500ng	7	✓	500.0	471.6	94.3
p1 Cal 8-1000ng	8	✓	1000.0	961.3	96.1

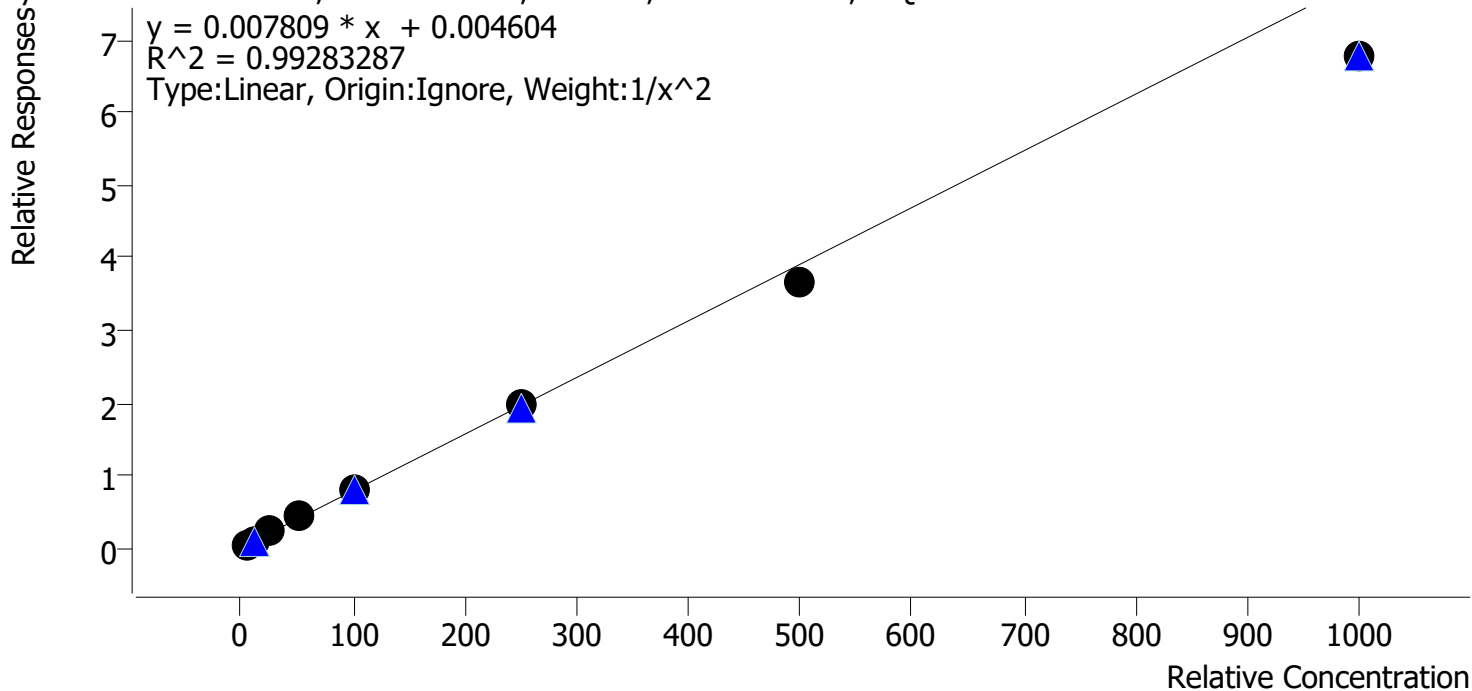
8C



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Last Cal. Update 3/10/2021 11:28 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	4.8	96.7
p1 Cal 2-10ng	2	✓	10.0	10.2	101.5
p1 Cal 3 -25ng	3	✓	25.0	27.0	107.8
p1 Cal 4-50ng	4	✓	50.0	54.1	108.3
p1 Cal 5-100ng	5	✓	100.0	105.1	105.1
p1 Cal 6-250ng	6	✓	250.0	249.4	99.8
p1 Cal 7-500ng	7	✓	500.0	471.0	94.2
p1 Cal 8-1000ng	8	✓	1000.0	866.3	86.6

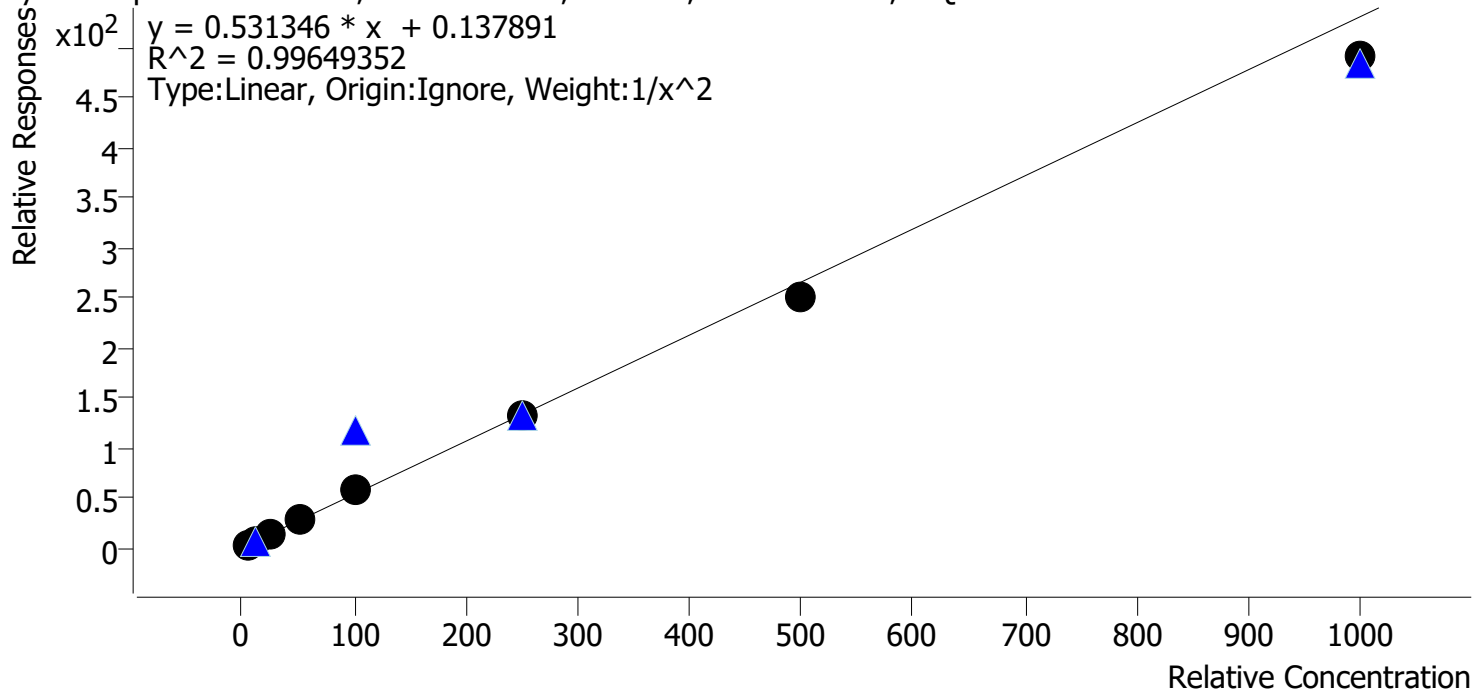
8C



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Last Cal. Update 3/10/2021 11:28 AM
Analyst Name ISP\Datastor
Analyte Hydromorphone **Internal Standard** Morphine-D6

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



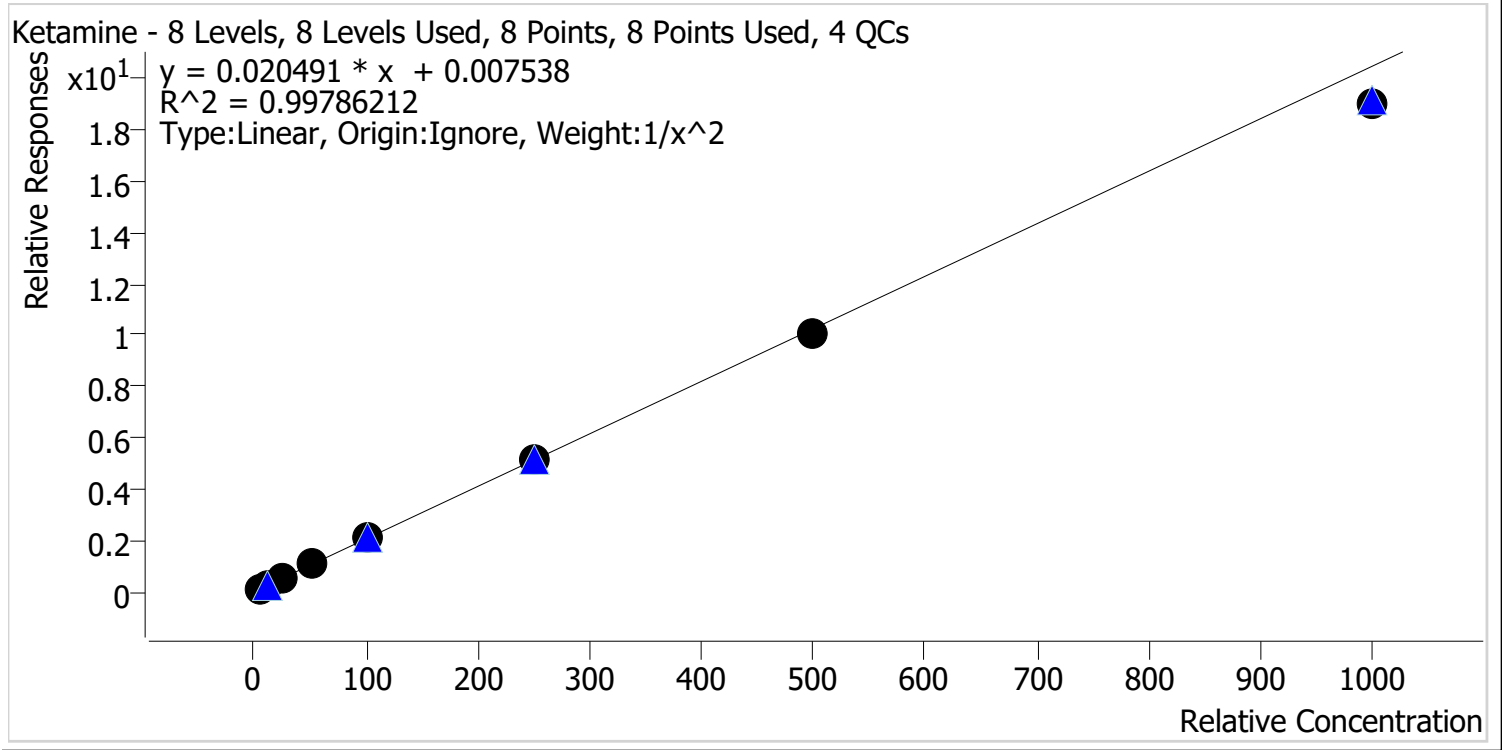
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.0
p1 Cal 2-10ng	2	✓	10.0	10.2	101.5
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.2
p1 Cal 4-50ng	4	✓	50.0	54.0	108.0
p1 Cal 5-100ng	5	✓	100.0	105.1	105.1
p1 Cal 6-250ng	6	✓	250.0	247.7	99.1
p1 Cal 7-500ng	7	✓	500.0	472.4	94.5
p1 Cal 8-1000ng	8	✓	1000.0	924.8	92.5

8C



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Last Cal. Update 3/10/2021 11:28 AM
Analyst Name ISP\Datastor
Analyte Ketamine **Internal Standard** Ketamine-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.9
p1 Cal 2-10ng	2	✓	10.0	9.8	98.5
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.2
p1 Cal 4-50ng	4	✓	50.0	53.3	106.5
p1 Cal 5-100ng	5	✓	100.0	103.8	103.8
p1 Cal 6-250ng	6	✓	250.0	249.2	99.7
p1 Cal 7-500ng	7	✓	500.0	492.2	98.4
p1 Cal 8-1000ng	8	✓	1000.0	928.8	92.9

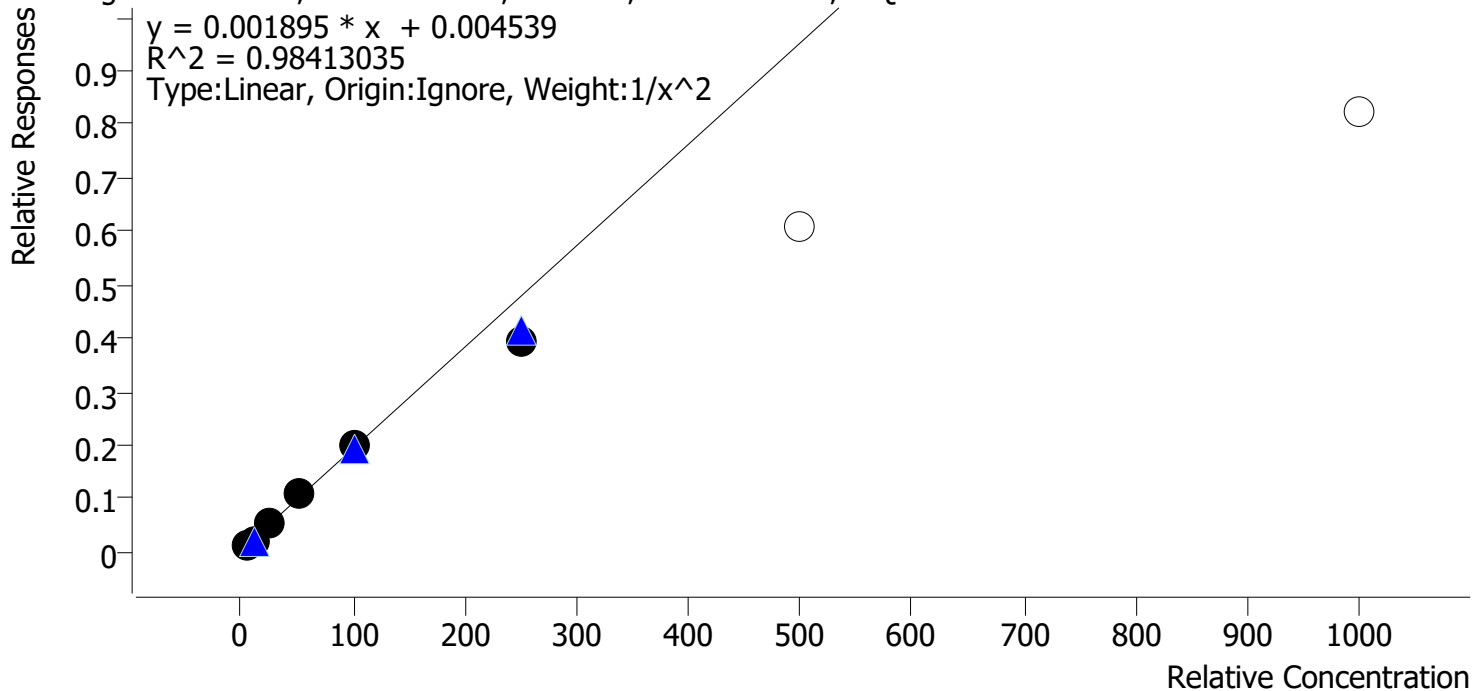
8C



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Last Cal. Update 3/10/2021 11:28 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	5.0	99.3
p1 Cal 2-10ng	2	✓	10.0	9.7	96.5
p1 Cal 3 -25ng	3	✓	25.0	26.7	106.9
p1 Cal 4-50ng	4	✓	50.0	56.5	113.1
p1 Cal 5-100ng	5	✓	100.0	101.5	101.5
p1 Cal 6-250ng	6	✓	250.0	206.6	82.6
p1 Cal 7-500ng	7	x	500.0	319.6	63.9
p1 Cal 8-1000ng	8	x	1000.0	433.3	43.3

Calibrators 7 and 8 dropped due to not meeting accuracy requirement

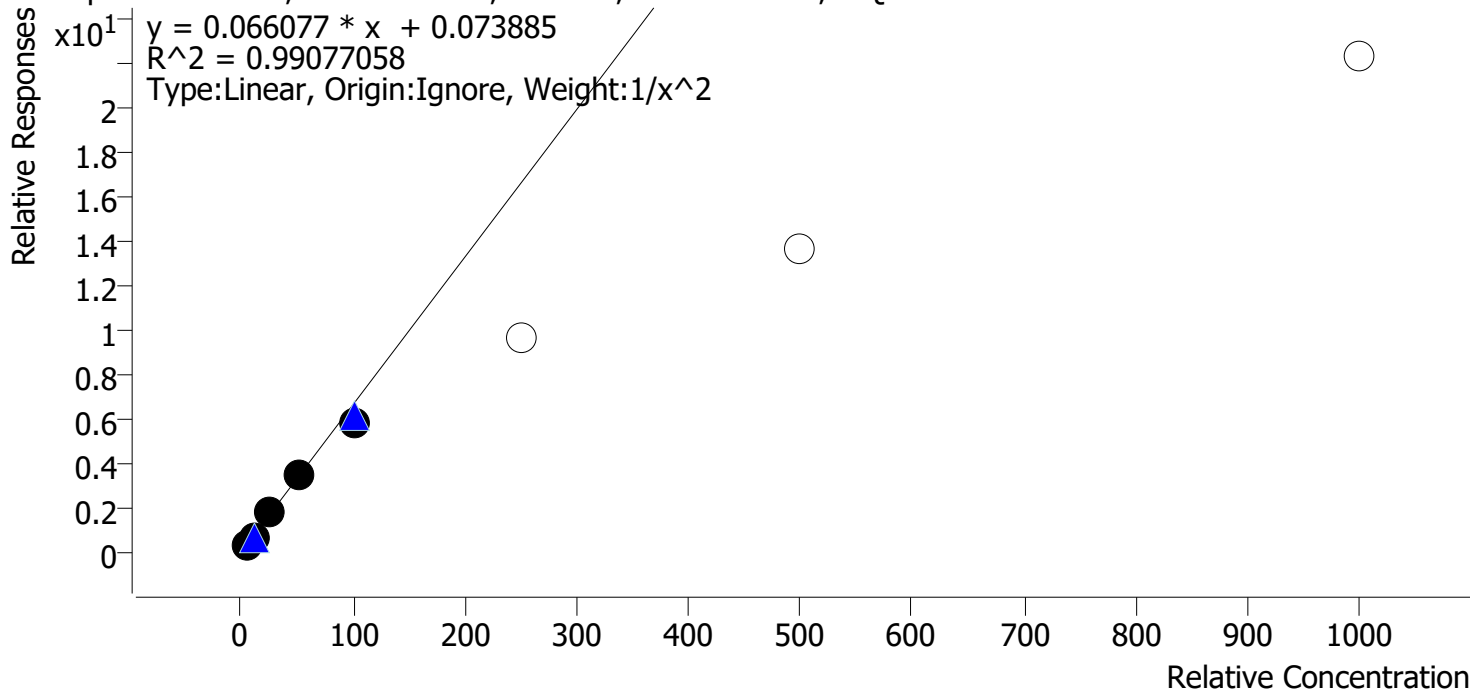
8C



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Last Cal. Update 3/10/2021 11:28 AM
Analyst Name ISP\Datastor
Analyte Lorazepam **Internal Standard** Clonazepam-D4

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.5
p1 Cal 2-10ng	2	✓	10.0	10.5	105.3
p1 Cal 3 -25ng	3	✓	25.0	26.1	104.4
p1 Cal 4-50ng	4	✓	50.0	52.6	105.3
p1 Cal 5-100ng	5	✓	100.0	88.5	88.5
p1 Cal 6-250ng	6	✗	250.0	144.9	58.0
p1 Cal 7-500ng	7	✗	500.0	204.5	40.9
p1 Cal 8-1000ng	8	✗	1000.0	335.8	33.6

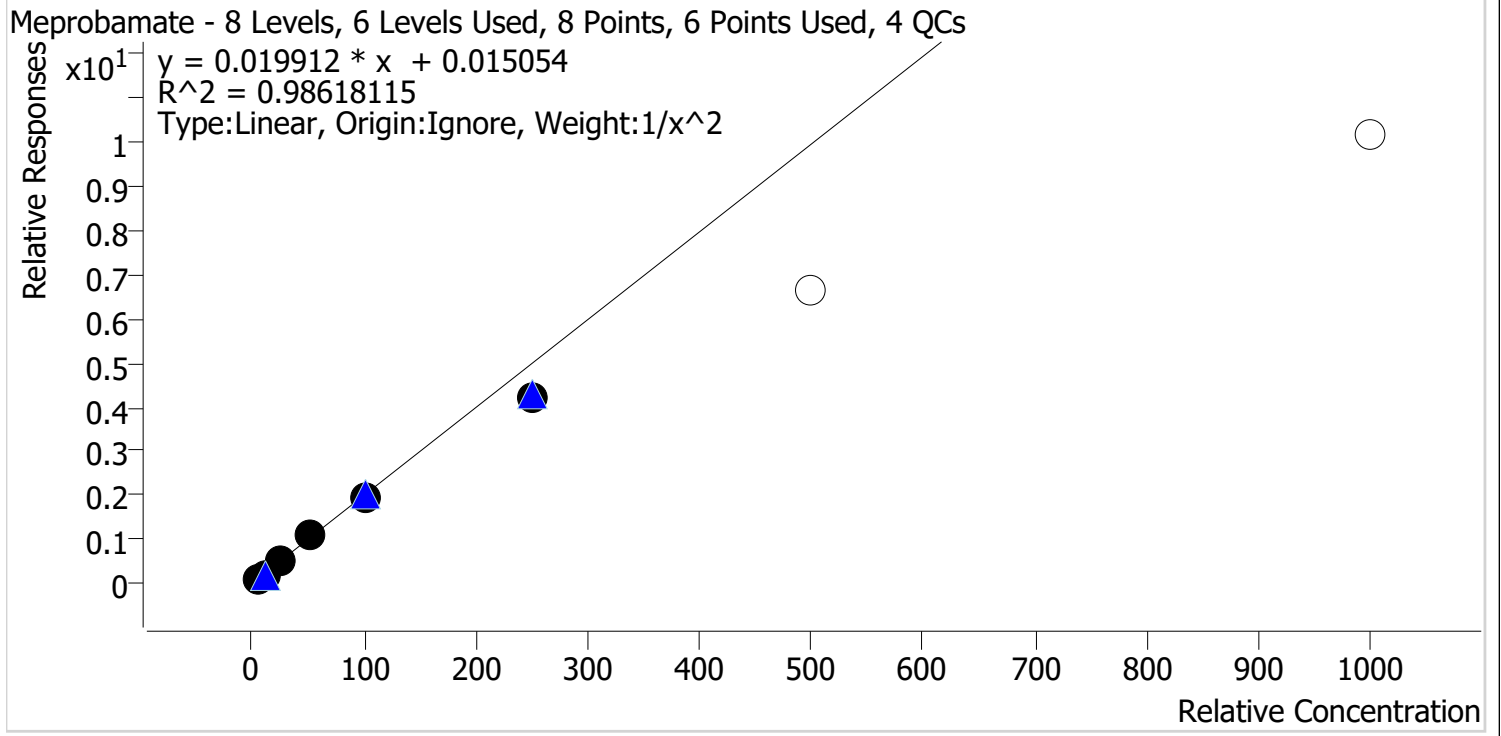
Calibrators 6-8 dropped due to not meeting accuracy requirement

8C



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Last Cal. Update 3/10/2021 11:28 AM
Analyst Name ISP\Datator
Analyte Meprobamate **Internal Standard** Meprobamate-D7



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.7
p1 Cal 2-10ng	2	✓	10.0	10.2	101.8
p1 Cal 3 -25ng	3	✓	25.0	27.3	109.0
p1 Cal 4-50ng	4	✓	50.0	55.0	110.0
p1 Cal 5-100ng	5	✓	100.0	98.9	98.9
p1 Cal 6-250ng	6	✓	250.0	209.1	83.6
p1 Cal 7-500ng	7	x	500.0	335.2	67.0
p1 Cal 8-1000ng	8	x	1000.0	510.9	51.1

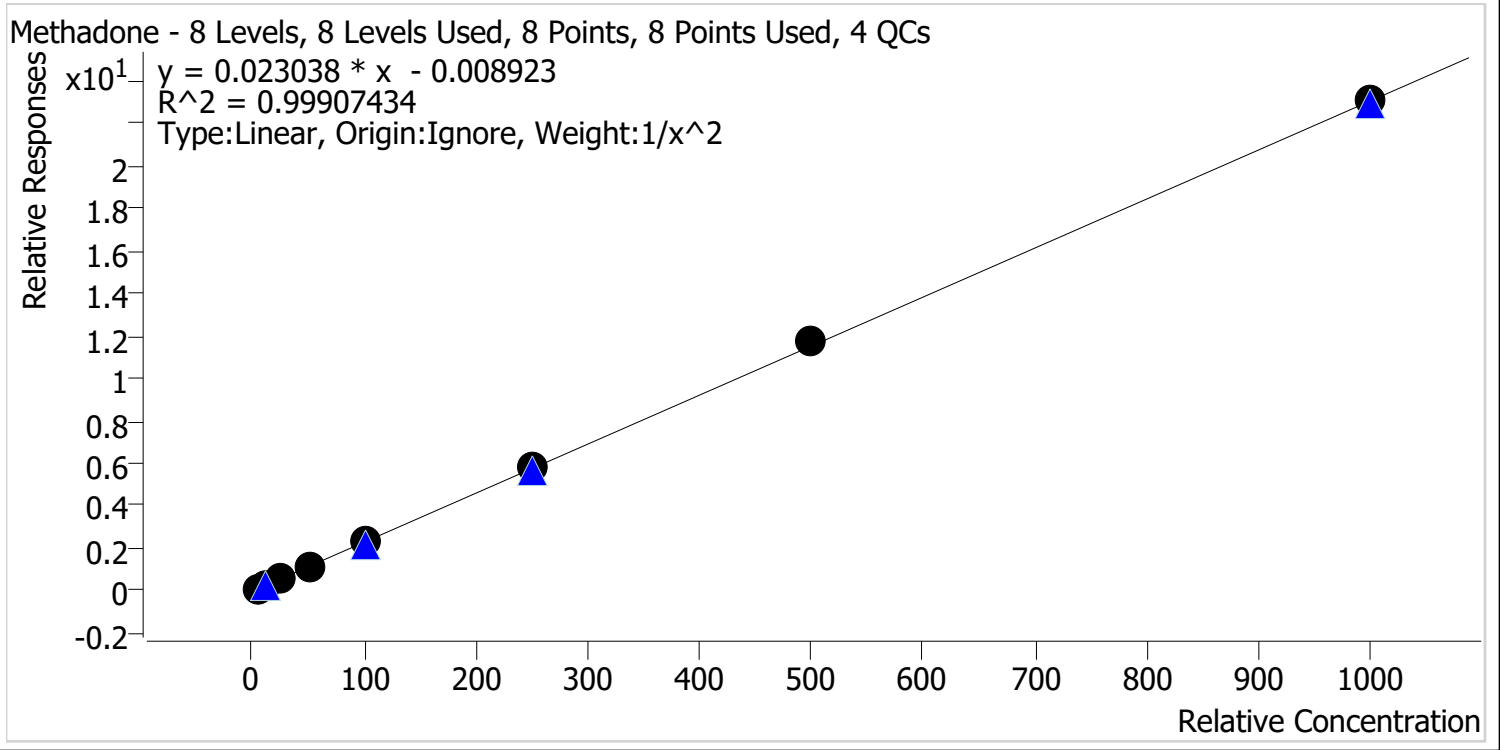
Calibrators 7 and 8 dropped due to not meeting accuracy requirement

8C



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Last Cal. Update 3/10/2021 11:28 AM
Analyst Name ISP\Datastor
Analyte Methadone **Internal Standard** Methadone-D9



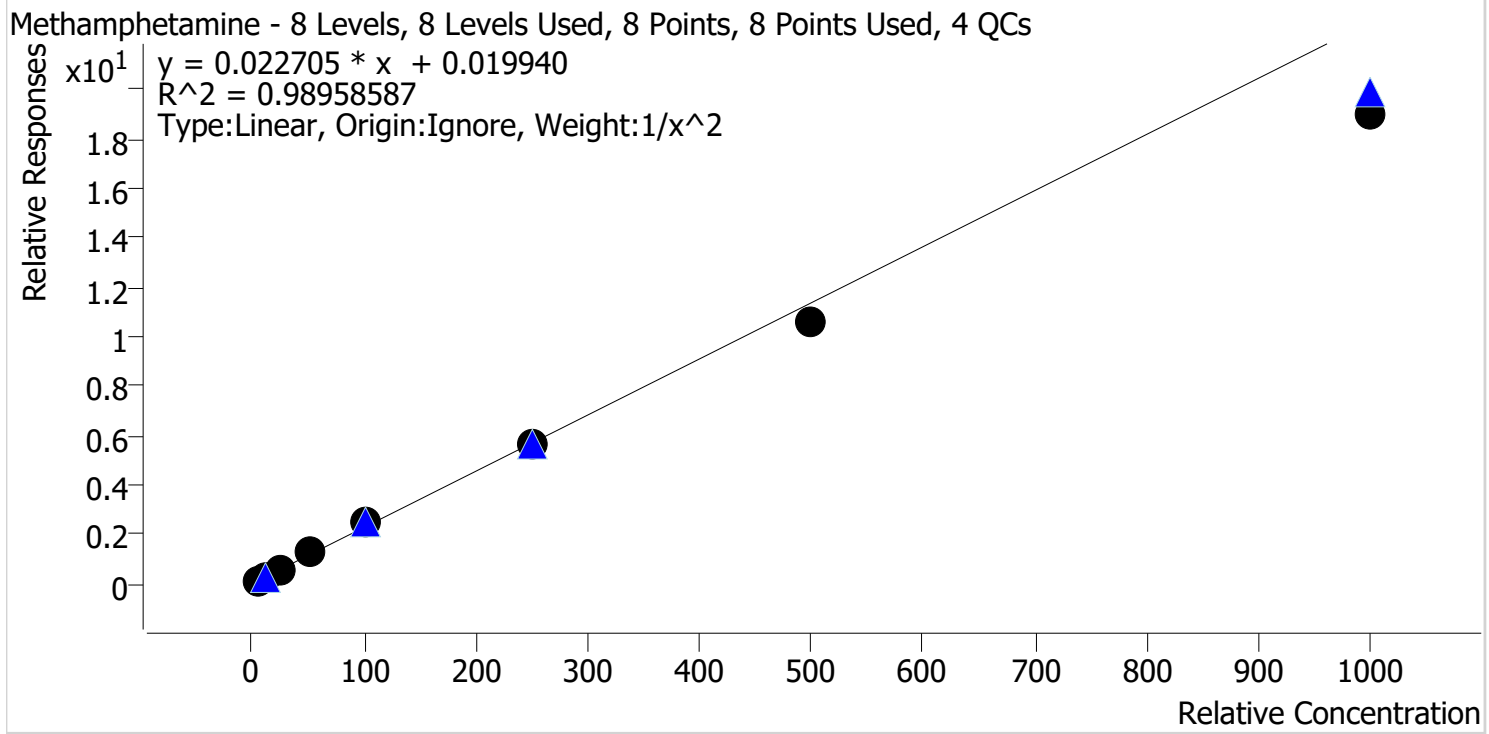
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.4
p1 Cal 2-10ng	2	✓	10.0	9.9	99.0
p1 Cal 3 -25ng	3	✓	25.0	23.5	94.0
p1 Cal 4-50ng	4	✓	50.0	51.2	102.3
p1 Cal 5-100ng	5	✓	100.0	101.0	101.0
p1 Cal 6-250ng	6	✓	250.0	251.5	100.6
p1 Cal 7-500ng	7	✓	500.0	508.1	101.6
p1 Cal 8-1000ng	8	✓	1000.0	1000.9	100.1

8C



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Last Cal. Update 3/10/2021 11:28 AM
Analyst Name ISP\Datastor
Analyte Methamphetamine **Internal Standard** Methamphetamine-D11



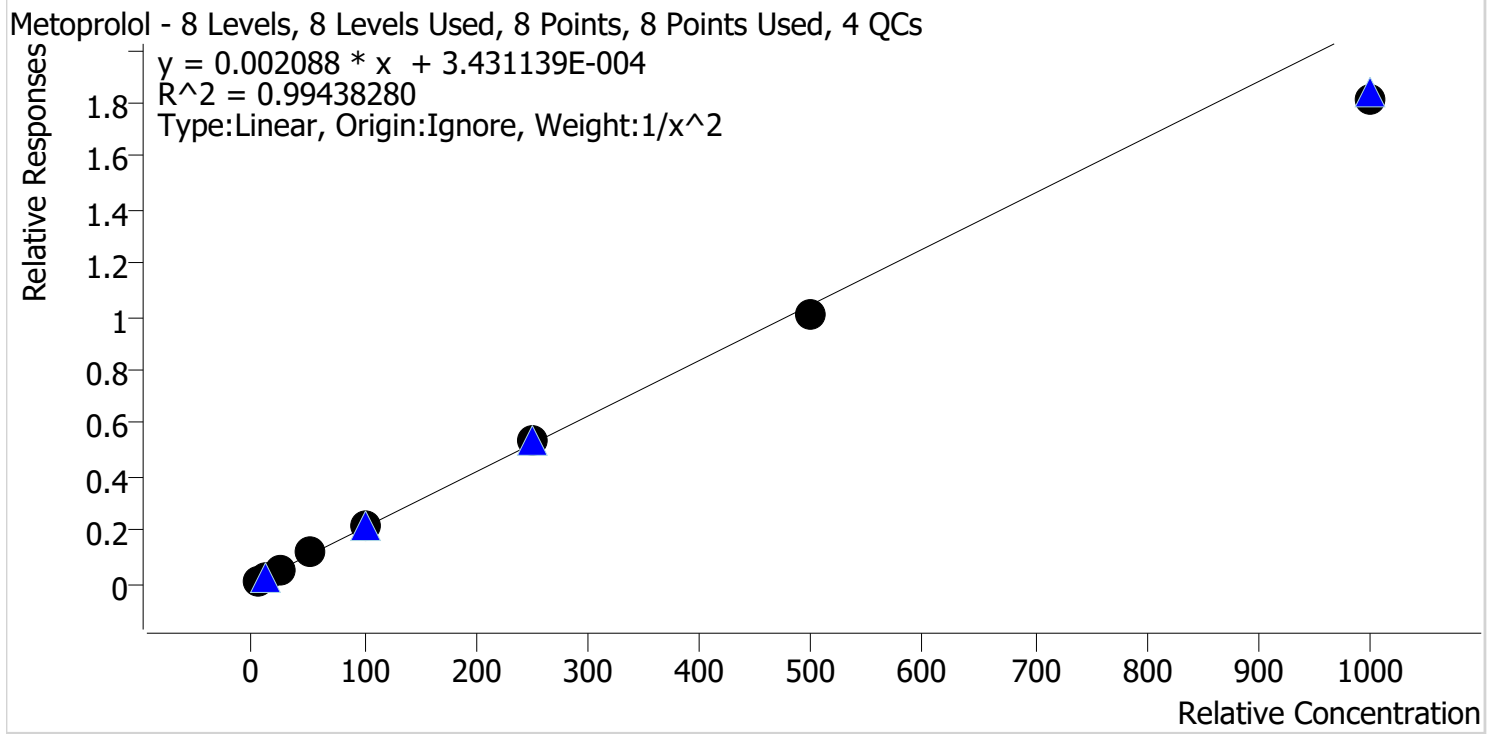
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.0
p1 Cal 2-10ng	2	✓	10.0	10.3	102.8
p1 Cal 3 -25ng	3	✓	25.0	26.7	106.7
p1 Cal 4-50ng	4	✓	50.0	55.6	111.2
p1 Cal 5-100ng	5	✓	100.0	106.7	106.7
p1 Cal 6-250ng	6	✓	250.0	249.2	99.7
p1 Cal 7-500ng	7	✓	500.0	466.3	93.3
p1 Cal 8-1000ng	8	✓	1000.0	836.2	83.6

8C



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Last Cal. Update 3/10/2021 11:28 AM
Analyst Name ISP\Datastor
Analyte Metoprolol **Internal Standard** Tramadol-13C-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.2
p1 Cal 2-10ng	2	✓	10.0	10.3	103.1
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.5
p1 Cal 4-50ng	4	✓	50.0	53.7	107.4
p1 Cal 5-100ng	5	✓	100.0	104.7	104.7
p1 Cal 6-250ng	6	✓	250.0	257.9	103.2
p1 Cal 7-500ng	7	✓	500.0	481.7	96.3
p1 Cal 8-1000ng	8	✓	1000.0	866.5	86.6

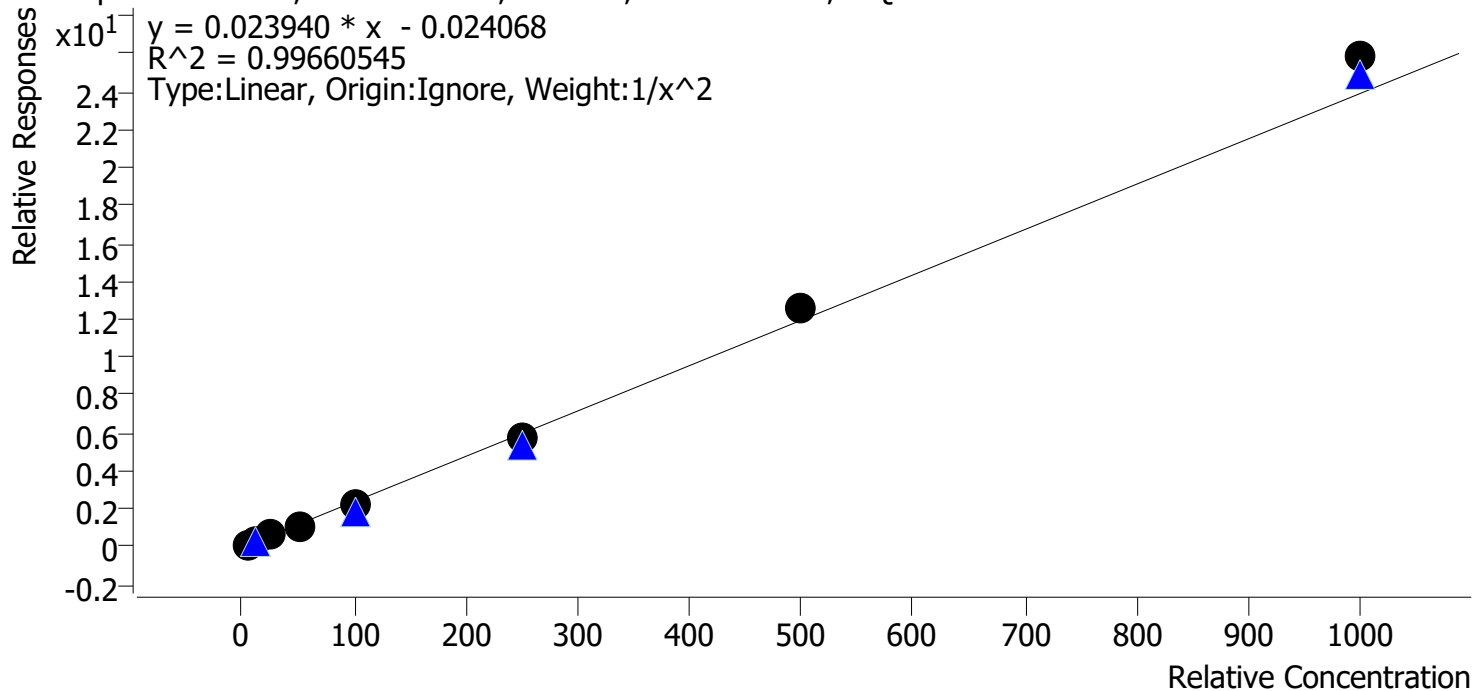
8C



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Last Cal. Update 3/10/2021 11:28 AM
Analyst Name ISP\Datastor
Analyte Mirtazapine **Internal Standard** alpha-PVP-d8

Mirtazapine - 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	101.4
p1 Cal 2-10ng	2	✓	10.0	9.9	98.9
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.4
p1 Cal 4-50ng	4	✓	50.0	46.4	92.8
p1 Cal 5-100ng	5	✓	100.0	95.7	95.7
p1 Cal 6-250ng	6	✓	250.0	242.8	97.1
p1 Cal 7-500ng	7	✓	500.0	528.0	105.6
p1 Cal 8-1000ng	8	✓	1000.0	1081.4	108.1

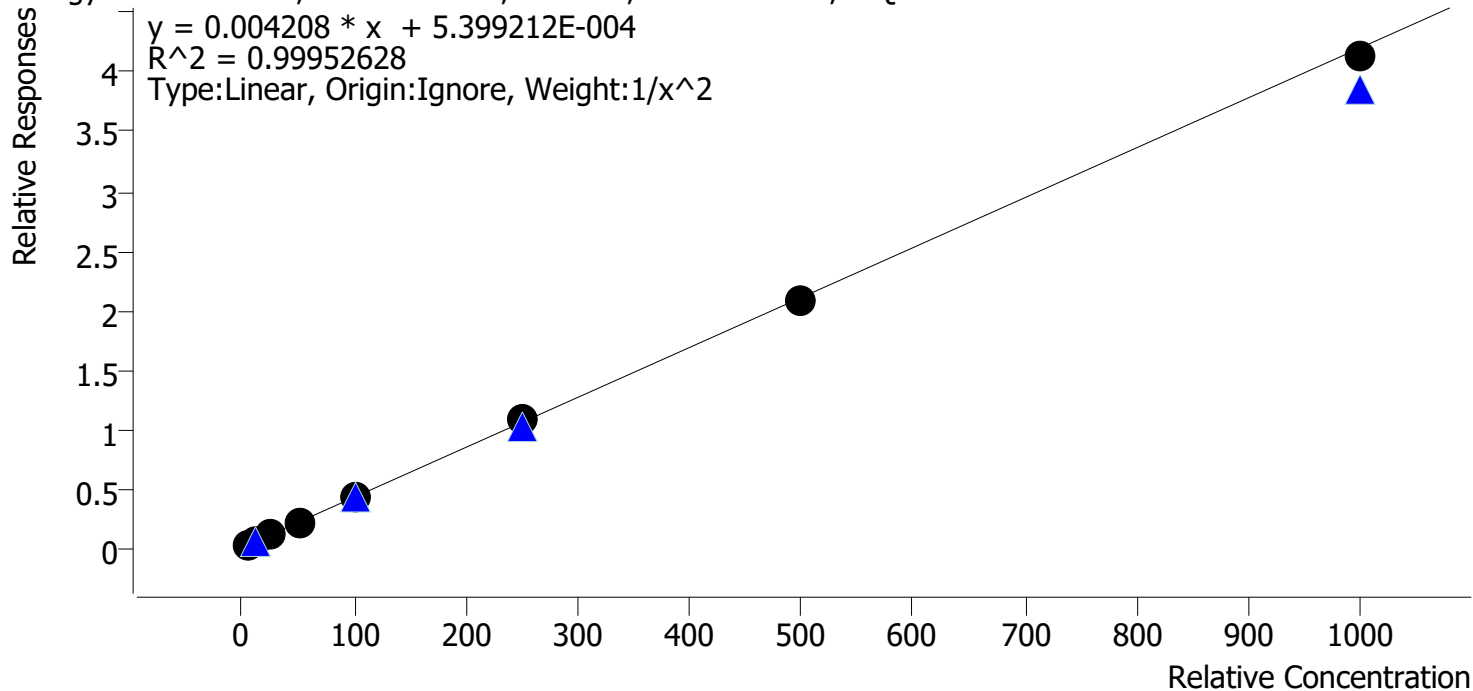
8C



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Last Cal. Update 3/10/2021 11:28 AM
Analyst Name ISP\Datastor
Analyte Mitragynine **Internal Standard** Methadone-D9

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



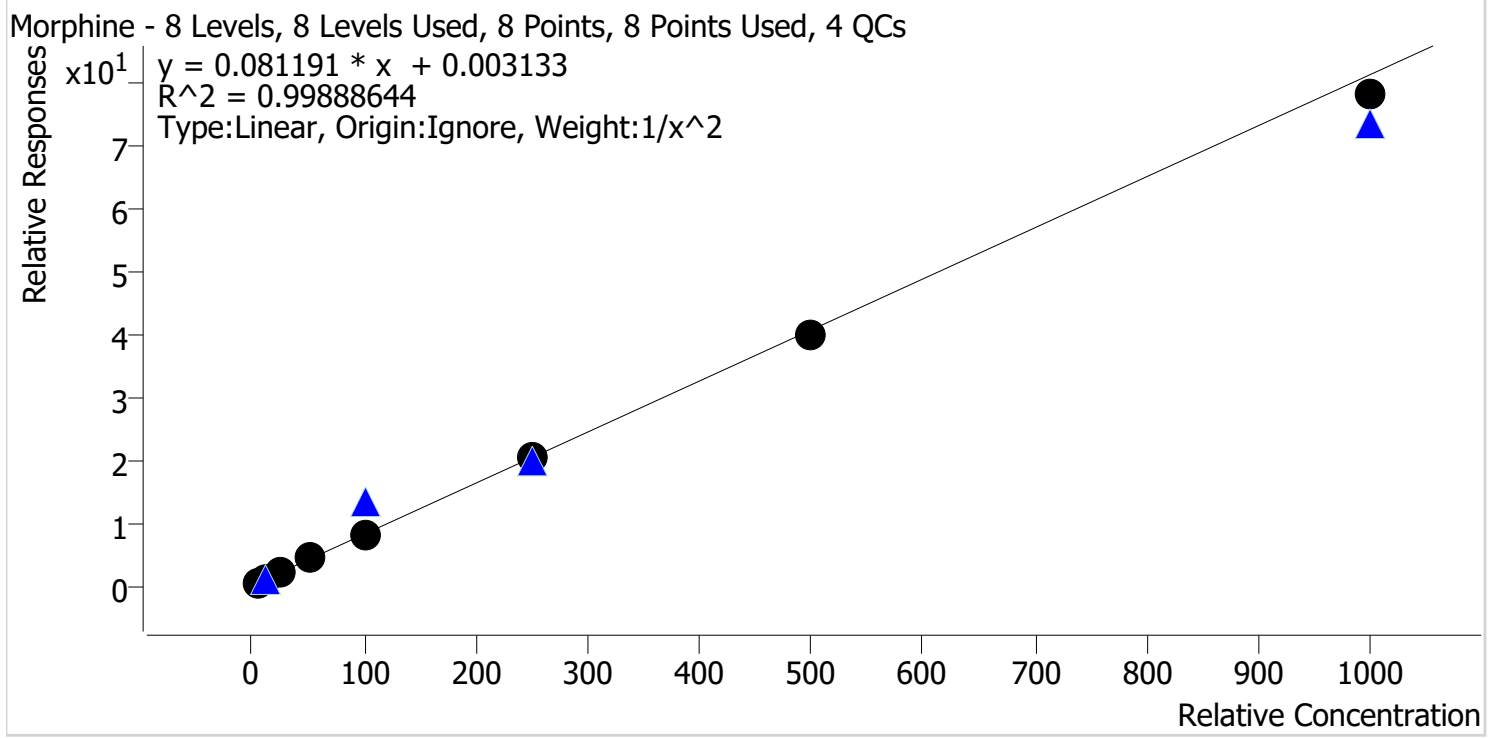
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.3
p1 Cal 2-10ng	2	✓	10.0	10.2	101.8
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.1
p1 Cal 4-50ng	4	✓	50.0	49.5	99.1
p1 Cal 5-100ng	5	✓	100.0	100.2	100.2
p1 Cal 6-250ng	6	✓	250.0	259.4	103.7
p1 Cal 7-500ng	7	✓	500.0	492.4	98.5
p1 Cal 8-1000ng	8	✓	1000.0	982.6	98.3

8C



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Last Cal. Update 3/10/2021 11:28 AM
Analyst Name ISP\Datastor
Analyte Morphine **Internal Standard** Morphine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.9
p1 Cal 2-10ng	2	✓	10.0	10.2	101.7
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.5
p1 Cal 4-50ng	4	✓	50.0	52.8	105.6
p1 Cal 5-100ng	5	✓	100.0	101.6	101.6
p1 Cal 6-250ng	6	✓	250.0	248.0	99.2
p1 Cal 7-500ng	7	✓	500.0	492.3	98.5
p1 Cal 8-1000ng	8	✓	1000.0	960.9	96.1

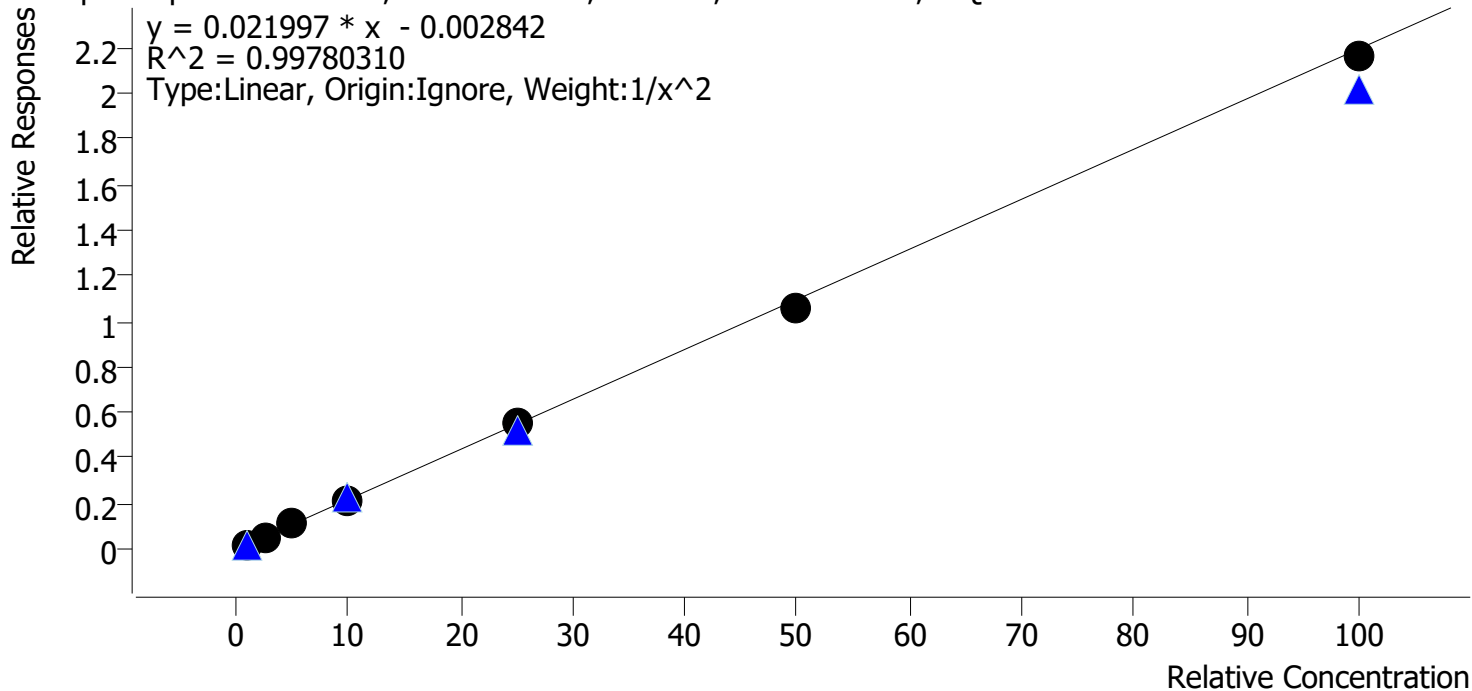
8C



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Last Cal. Update 3/10/2021 11:28 AM
Analyst Name ISP\Datastor
Analyte Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

Norbuprenorphine - 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	✓	1.0	1.0	97.3
p1 Cal 3 -25ng	3	✓	2.5	2.6	105.9
p1 Cal 4-50ng	4	✓	5.0	5.2	104.1
p1 Cal 5-100ng	5	✓	10.0	9.5	95.2
p1 Cal 6-250ng	6	✓	25.0	25.5	102.0
p1 Cal 7-500ng	7	✓	50.0	48.5	97.0
p1 Cal 8-1000ng	8	✓	100.0	98.4	98.4

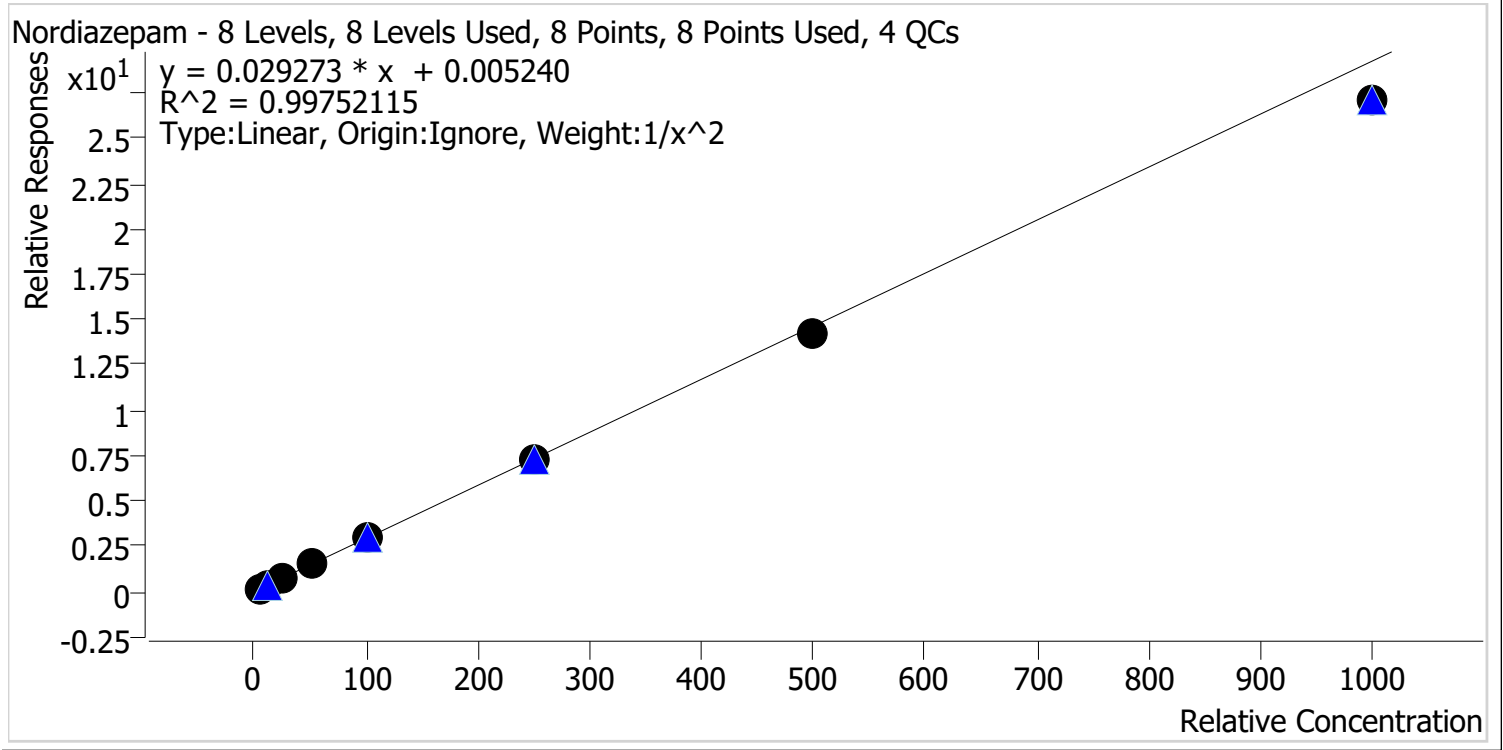
Calibrator 1 dropped due to not meeting ratio requirement

8C



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Last Cal. Update 3/10/2021 11:28 AM
Analyst Name ISP\Datastor
Analyte Nordiazepam Internal Standard Nordiazepam-D5



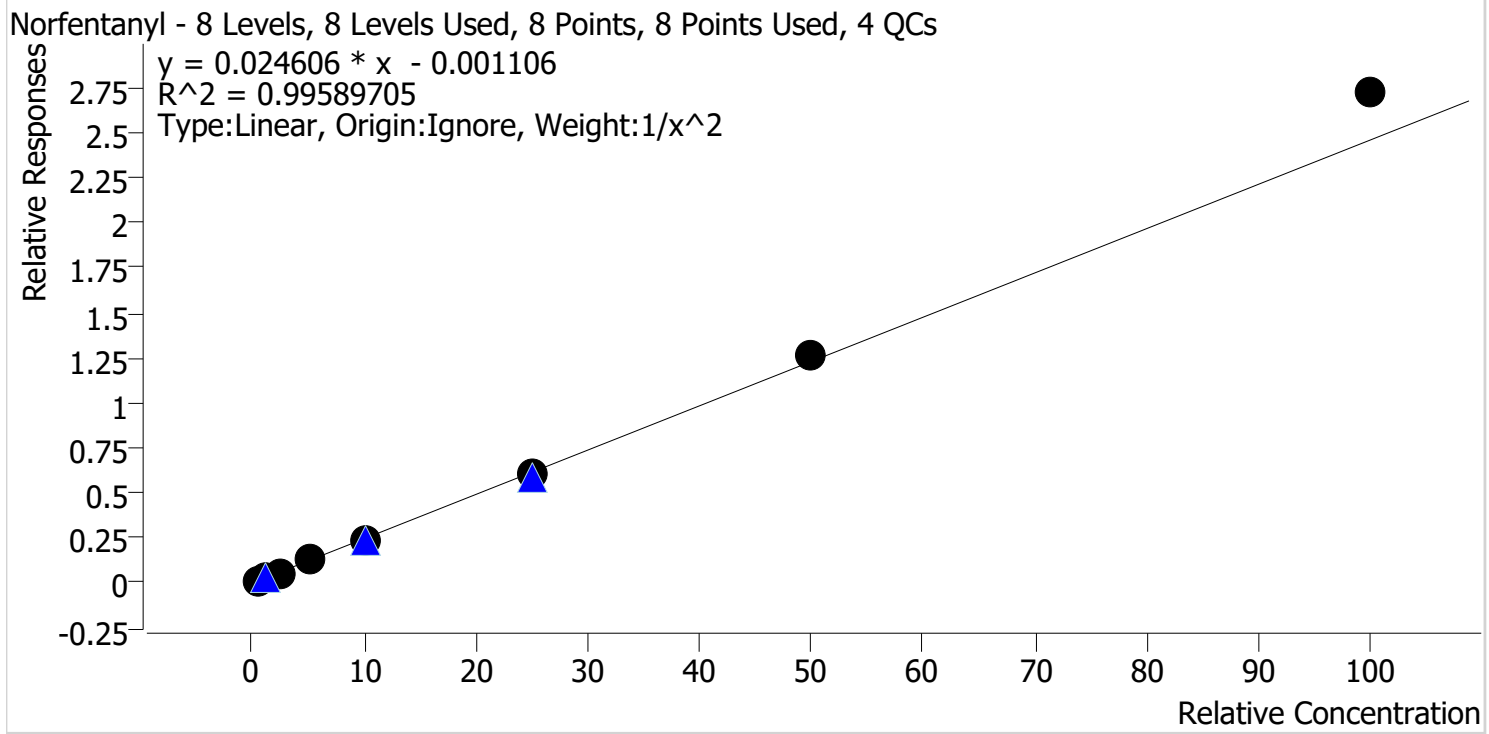
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.9
p1 Cal 2-10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.5
p1 Cal 4-50ng	4	✓	50.0	53.2	106.4
p1 Cal 5-100ng	5	✓	100.0	104.5	104.5
p1 Cal 6-250ng	6	✓	250.0	248.5	99.4
p1 Cal 7-500ng	7	✓	500.0	484.1	96.8
p1 Cal 8-1000ng	8	✓	1000.0	924.7	92.5

8C



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Last Cal. Update 3/10/2021 11:28 AM
Analyst Name ISP\Datastor
Analyte Norfentanyl **Internal Standard** Norfentanyl-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	102.6
p1 Cal 2-10ng	2	✓	1.0	1.0	98.3
p1 Cal 3 -25ng	3	✓	2.5	2.3	91.9
p1 Cal 4-50ng	4	✓	5.0	5.0	100.2
p1 Cal 5-100ng	5	✓	10.0	9.6	96.3
p1 Cal 6-250ng	6	✓	25.0	24.4	97.5
p1 Cal 7-500ng	7	✓	50.0	51.3	102.5
p1 Cal 8-1000ng	8	✓	100.0	110.7	110.7

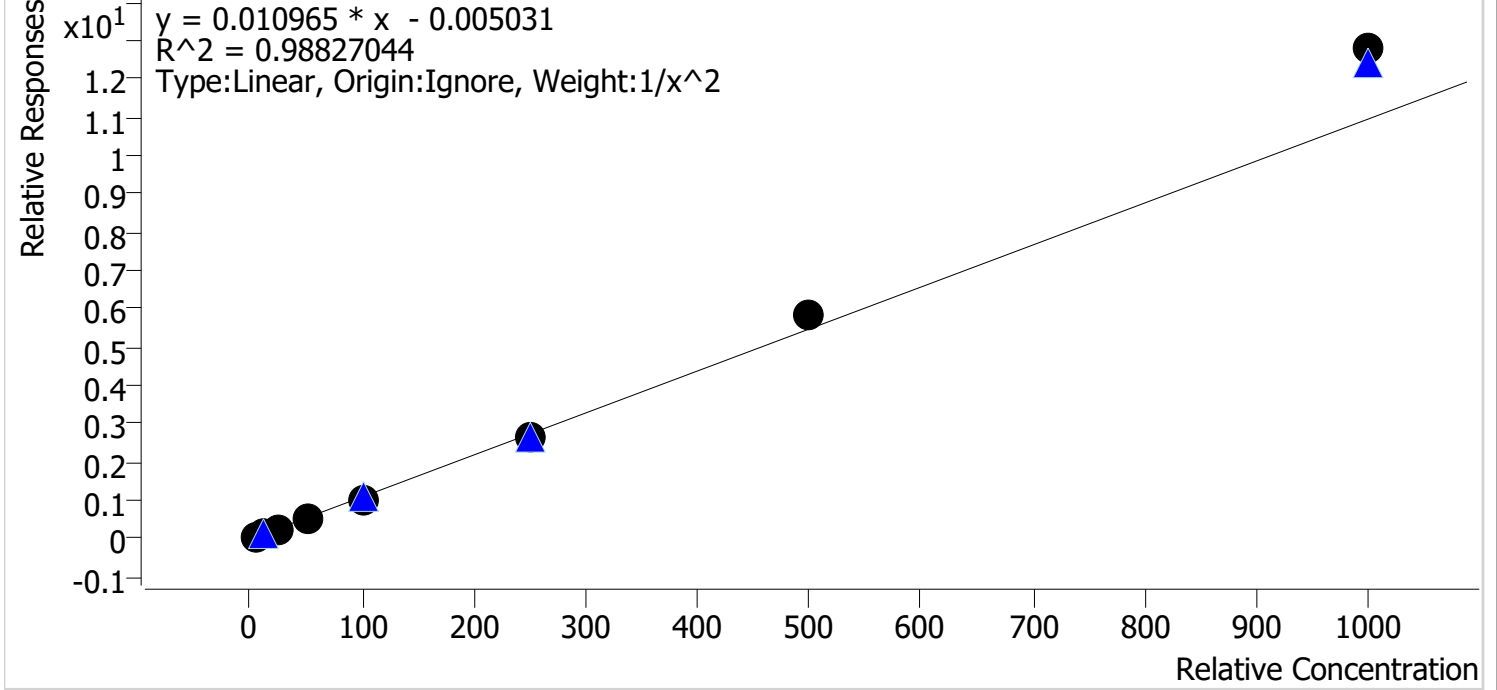
8C



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Last Cal. Update 3/10/2021 11:28 AM
Analyst Name ISP\Datastor
Analyte Norhydrocodone **Internal Standard** Norhydrocodone-D3

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



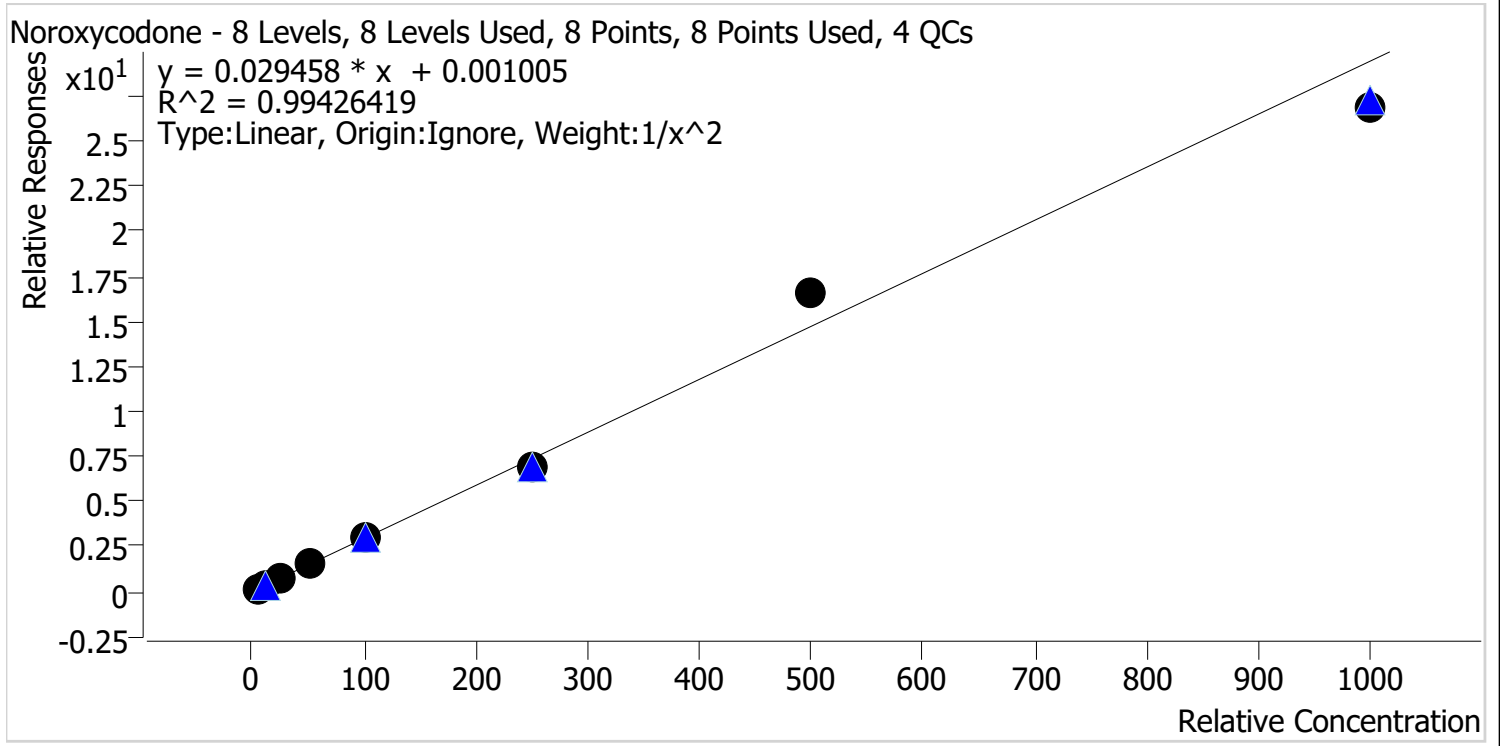
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.7
p1 Cal 2-10ng	2	✓	10.0	9.7	97.2
p1 Cal 3 -25ng	3	✓	25.0	21.2	84.8
p1 Cal 4-50ng	4	✓	50.0	49.4	98.9
p1 Cal 5-100ng	5	✓	100.0	95.2	95.2
p1 Cal 6-250ng	6	✓	250.0	240.1	96.0
p1 Cal 7-500ng	7	✓	500.0	532.2	106.4
p1 Cal 8-1000ng	8	✓	1000.0	1167.8	116.8

8C



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Last Cal. Update 3/10/2021 11:28 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	5.0	100.9
p1 Cal 2-10ng	2	✓	10.0	9.8	97.9
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.4
p1 Cal 4-50ng	4	✓	50.0	52.7	105.4
p1 Cal 5-100ng	5	✓	100.0	99.5	99.5
p1 Cal 6-250ng	6	✓	250.0	235.7	94.3
p1 Cal 7-500ng	7	✓	500.0	562.5	112.5
p1 Cal 8-1000ng	8	✓	1000.0	911.7	91.2

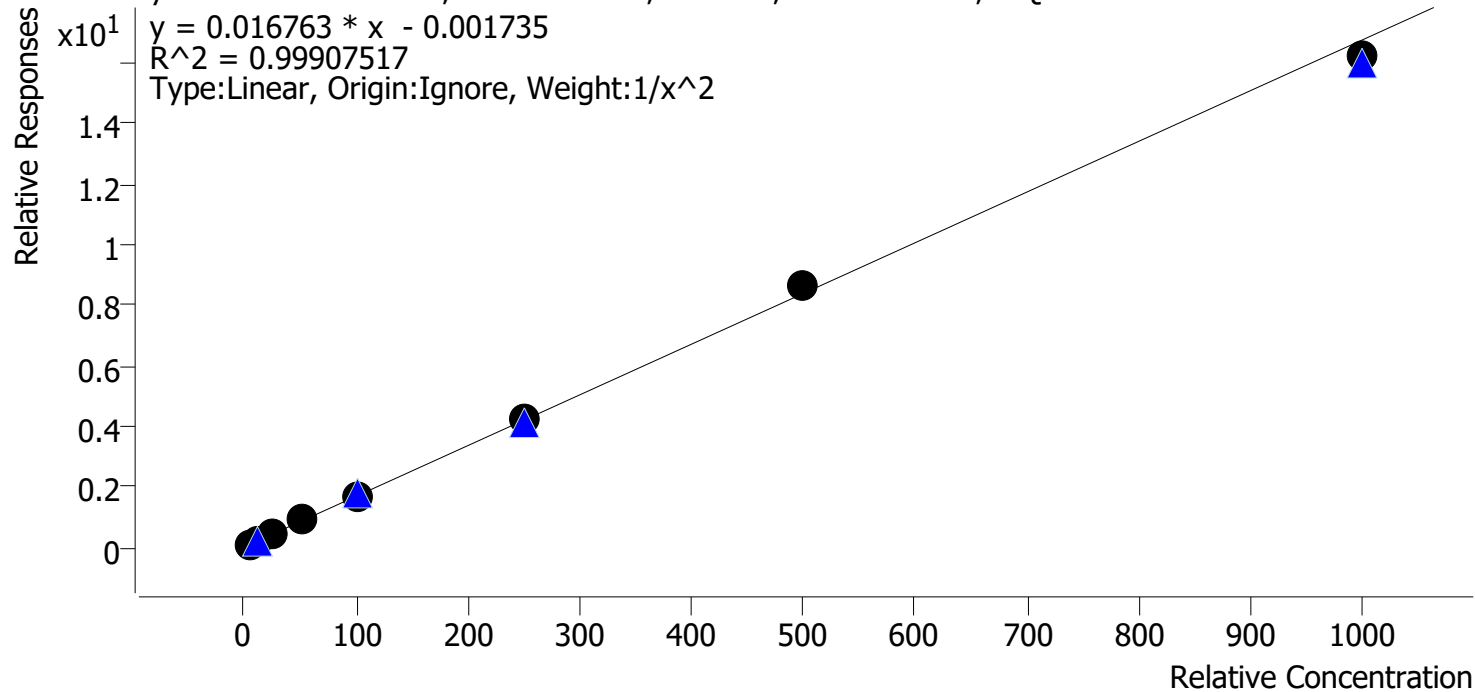
8C



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Last Cal. Update 3/10/2021 11:28 AM
Analyst Name ISP\Datastor
Analyte O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6

O-desmethyl-tramadol - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



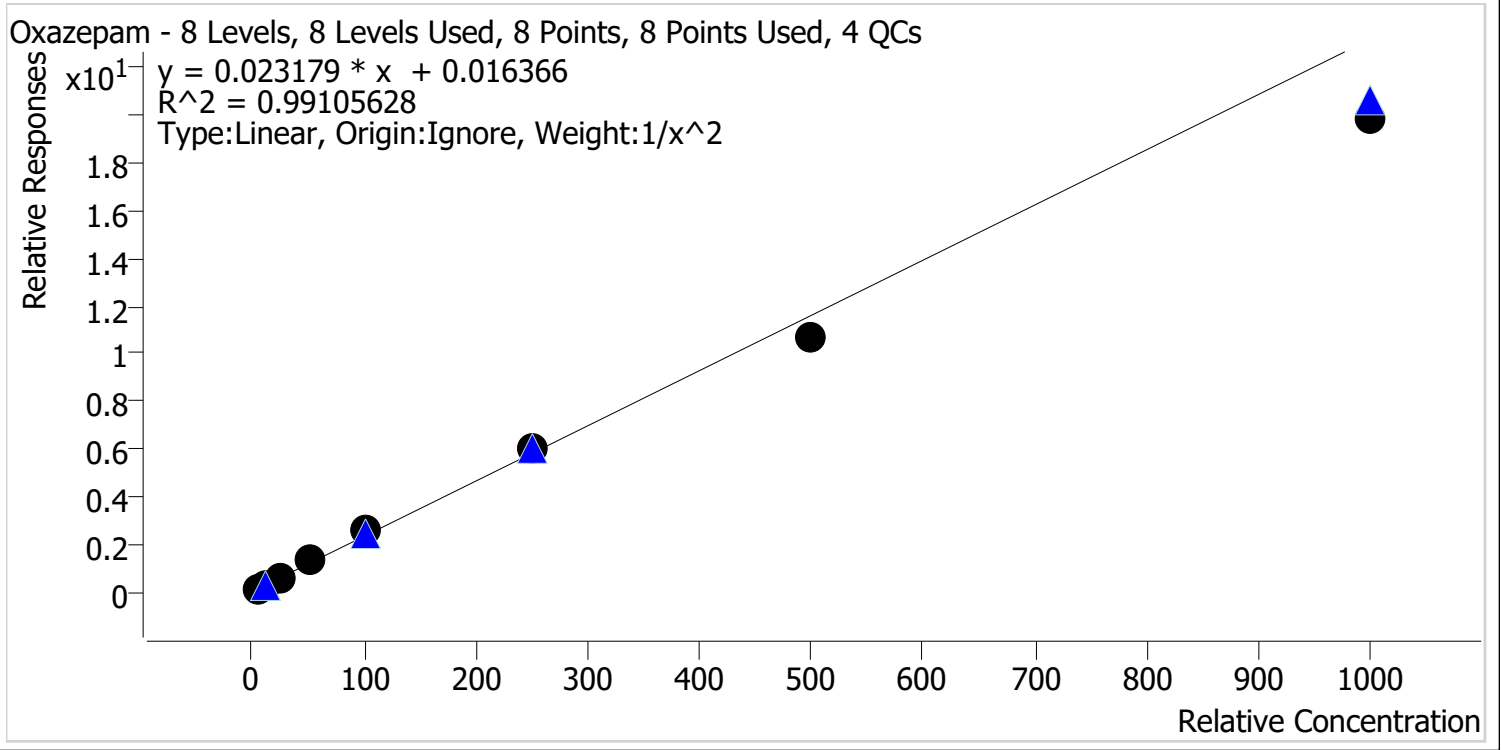
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.4
p1 Cal 2-10ng	2	✓	10.0	9.8	97.9
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.5
p1 Cal 4-50ng	4	✓	50.0	51.7	103.4
p1 Cal 5-100ng	5	✓	100.0	100.9	100.9
p1 Cal 6-250ng	6	✓	250.0	251.3	100.5
p1 Cal 7-500ng	7	✓	500.0	513.3	102.7
p1 Cal 8-1000ng	8	✓	1000.0	967.9	96.8

8C



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Last Cal. Update 3/10/2021 11:28 AM
Analyst Name ISP\Datastor
Analyte Oxazepam Internal Standard Oxazepam-D5



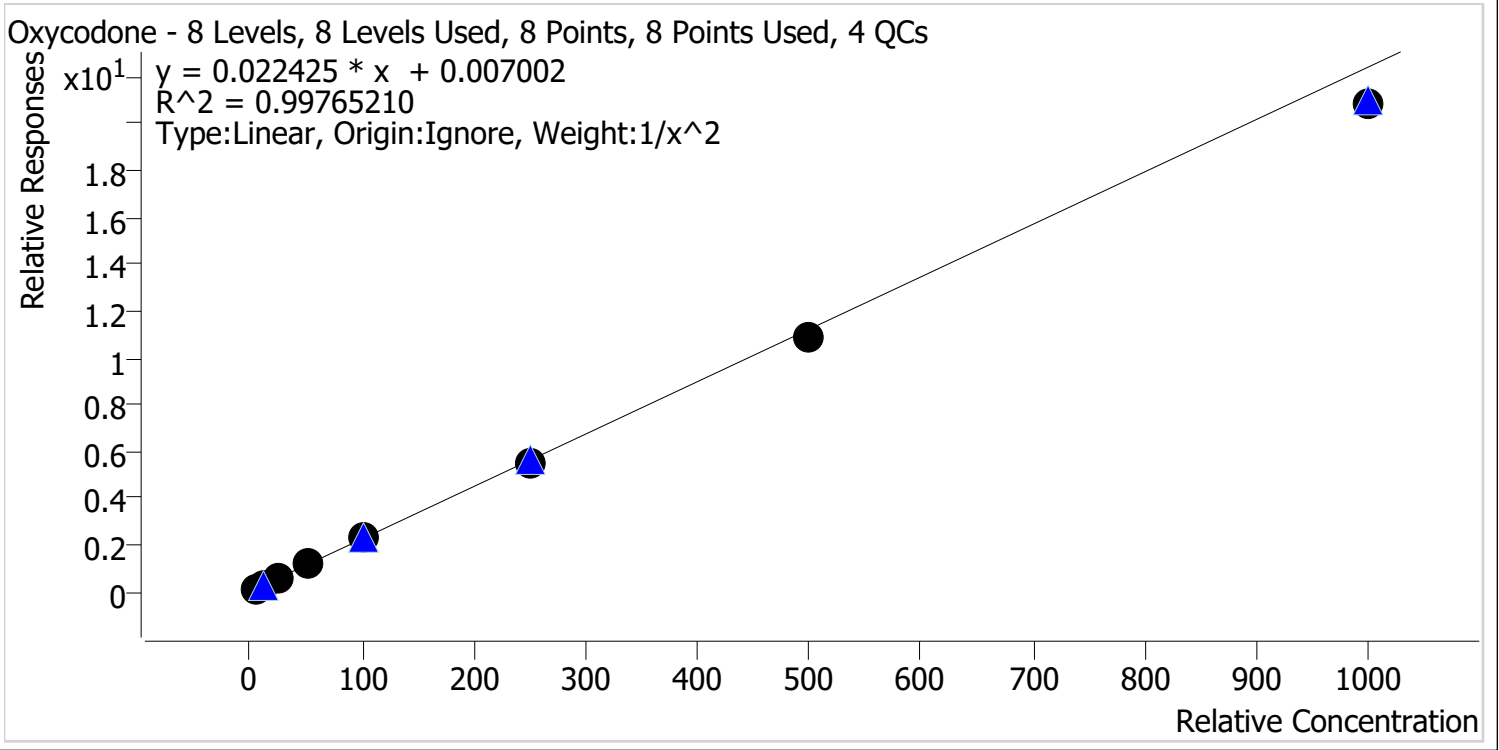
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.9
p1 Cal 2-10ng	2	✓	10.0	9.9	98.7
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.2
p1 Cal 4-50ng	4	✓	50.0	55.9	111.7
p1 Cal 5-100ng	5	✓	100.0	108.0	108.0
p1 Cal 6-250ng	6	✓	250.0	258.1	103.3
p1 Cal 7-500ng	7	✓	500.0	461.2	92.2
p1 Cal 8-1000ng	8	✓	1000.0	859.1	85.9

8C



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Last Cal. Update 3/10/2021 11:28 AM
Analyst Name ISP\Datastor
Analyte Oxycodone **Internal Standard** Oxycodone-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.2
p1 Cal 2-10ng	2	✓	10.0	10.2	101.7
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.1
p1 Cal 4-50ng	4	✓	50.0	53.5	106.9
p1 Cal 5-100ng	5	✓	100.0	103.3	103.3
p1 Cal 6-250ng	6	✓	250.0	247.7	99.1
p1 Cal 7-500ng	7	✓	500.0	482.1	96.4
p1 Cal 8-1000ng	8	✓	1000.0	933.5	93.4

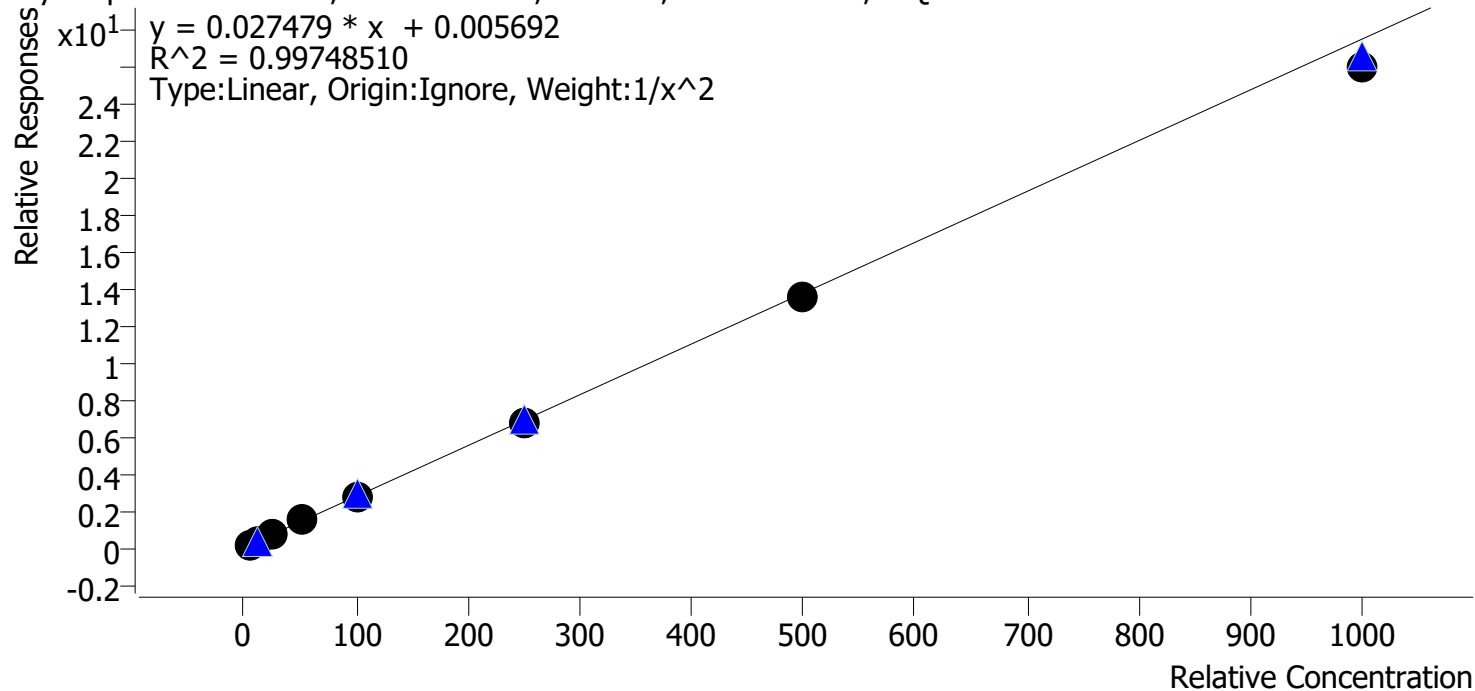
8C



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Last Cal. Update 3/10/2021 11:28 AM
Analyst Name ISP\Datastor
Analyte Oxymorphone **Internal Standard** Oxymorphone-D3

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



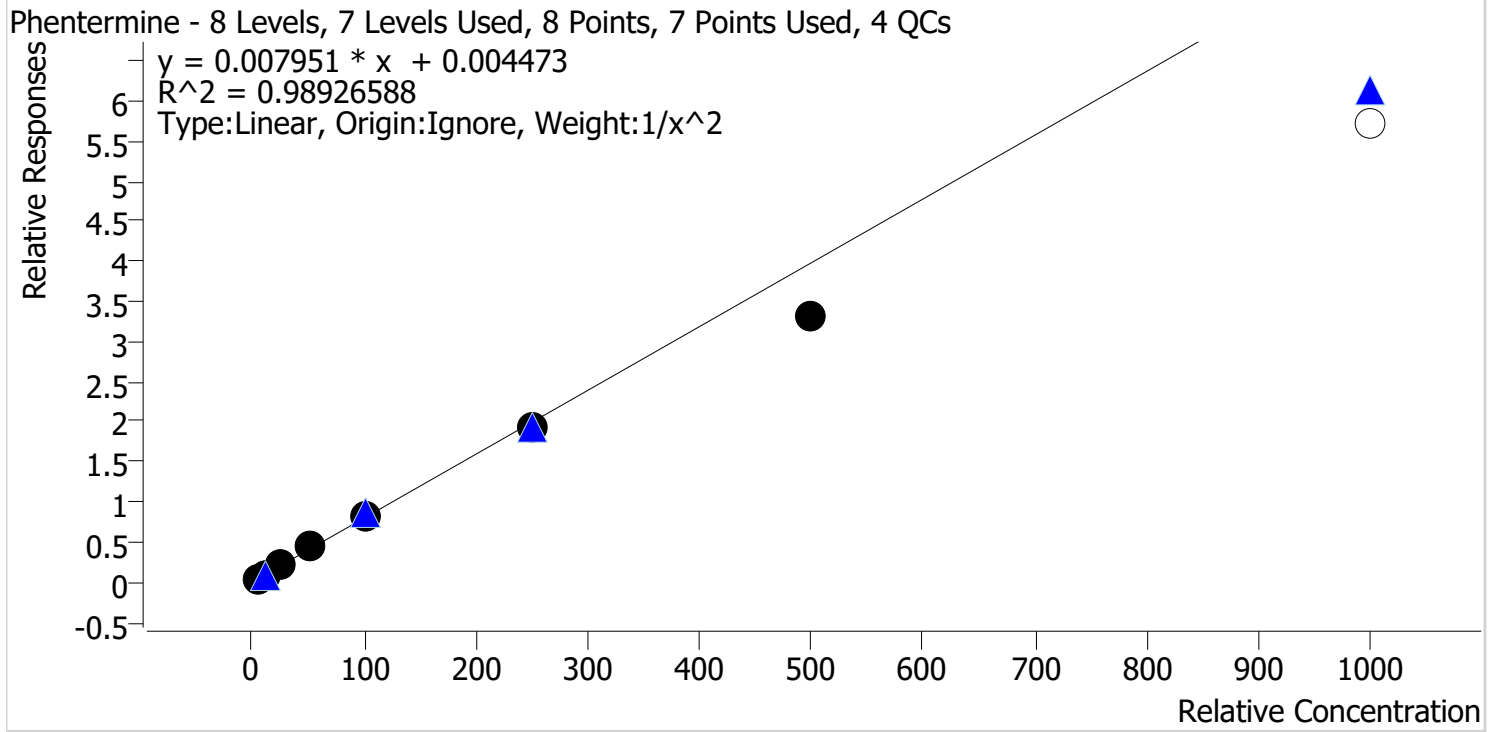
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.5
p1 Cal 2-10ng	2	✓	10.0	9.9	99.5
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.0
p1 Cal 4-50ng	4	✓	50.0	55.0	109.9
p1 Cal 5-100ng	5	✓	100.0	100.2	100.2
p1 Cal 6-250ng	6	✓	250.0	247.1	98.8
p1 Cal 7-500ng	7	✓	500.0	492.1	98.4
p1 Cal 8-1000ng	8	✓	1000.0	946.5	94.7

8C



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Last Cal. Update 3/10/2021 11:28 AM
Analyst Name ISP\Datastor
Analyte Phentermine **Internal Standard** Phentermine-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.9
p1 Cal 2-10ng	2	✓	10.0	10.2	101.7
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.4
p1 Cal 4-50ng	4	✓	50.0	55.5	110.9
p1 Cal 5-100ng	5	✓	100.0	104.9	104.9
p1 Cal 6-250ng	6	✓	250.0	241.0	96.4
p1 Cal 7-500ng	7	✓	500.0	418.3	83.7
p1 Cal 8-1000ng	8	✗	1000.0	719.5	72.0

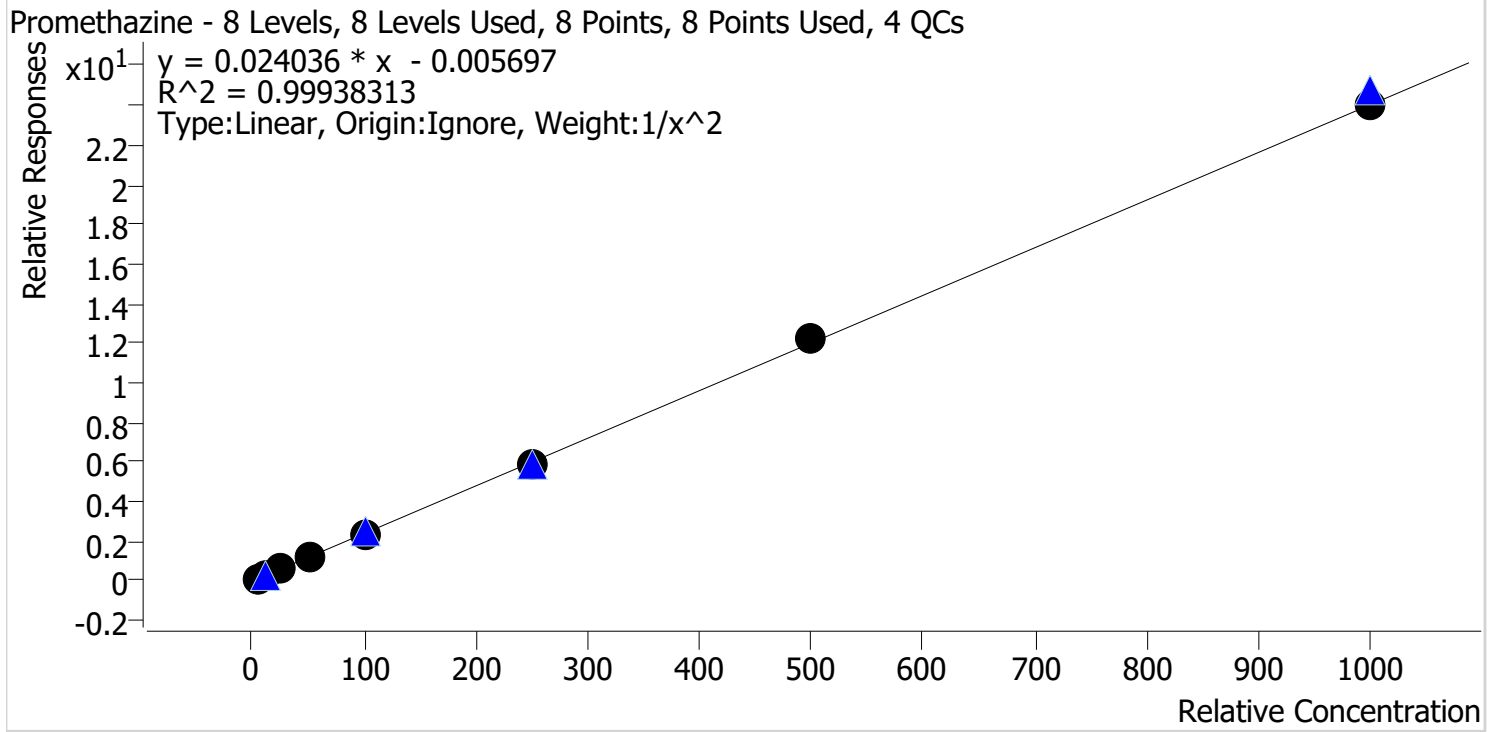
Calibrator 8 dropped due to not meeting accuracy requirement

8C



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Last Cal. Update 3/10/2021 11:28 AM
Analyst Name ISP\Datastor
Analyte Promethazine **Internal Standard** Promethazine-D3



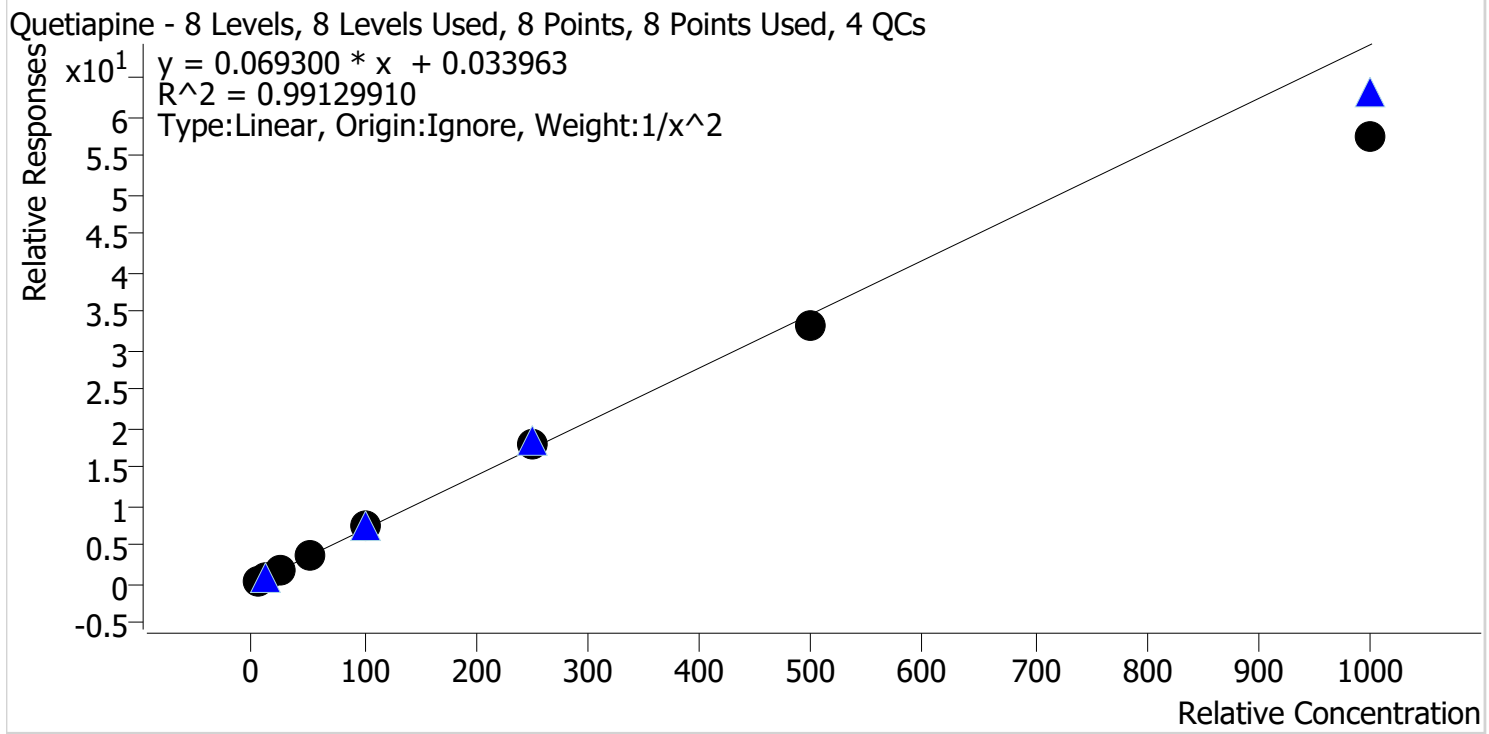
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.1
p1 Cal 2-10ng	2	✓	10.0	9.9	98.7
p1 Cal 3 -25ng	3	✓	25.0	24.0	96.1
p1 Cal 4-50ng	4	✓	50.0	51.5	103.0
p1 Cal 5-100ng	5	✓	100.0	100.6	100.6
p1 Cal 6-250ng	6	✓	250.0	247.0	98.8
p1 Cal 7-500ng	7	✓	500.0	509.9	102.0
p1 Cal 8-1000ng	8	✓	1000.0	997.0	99.7

8C



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Last Cal. Update 3/10/2021 11:28 AM
Analyst Name ISP\Datastor
Analyte Quetiapine **Internal Standard** Quetiapine-D8



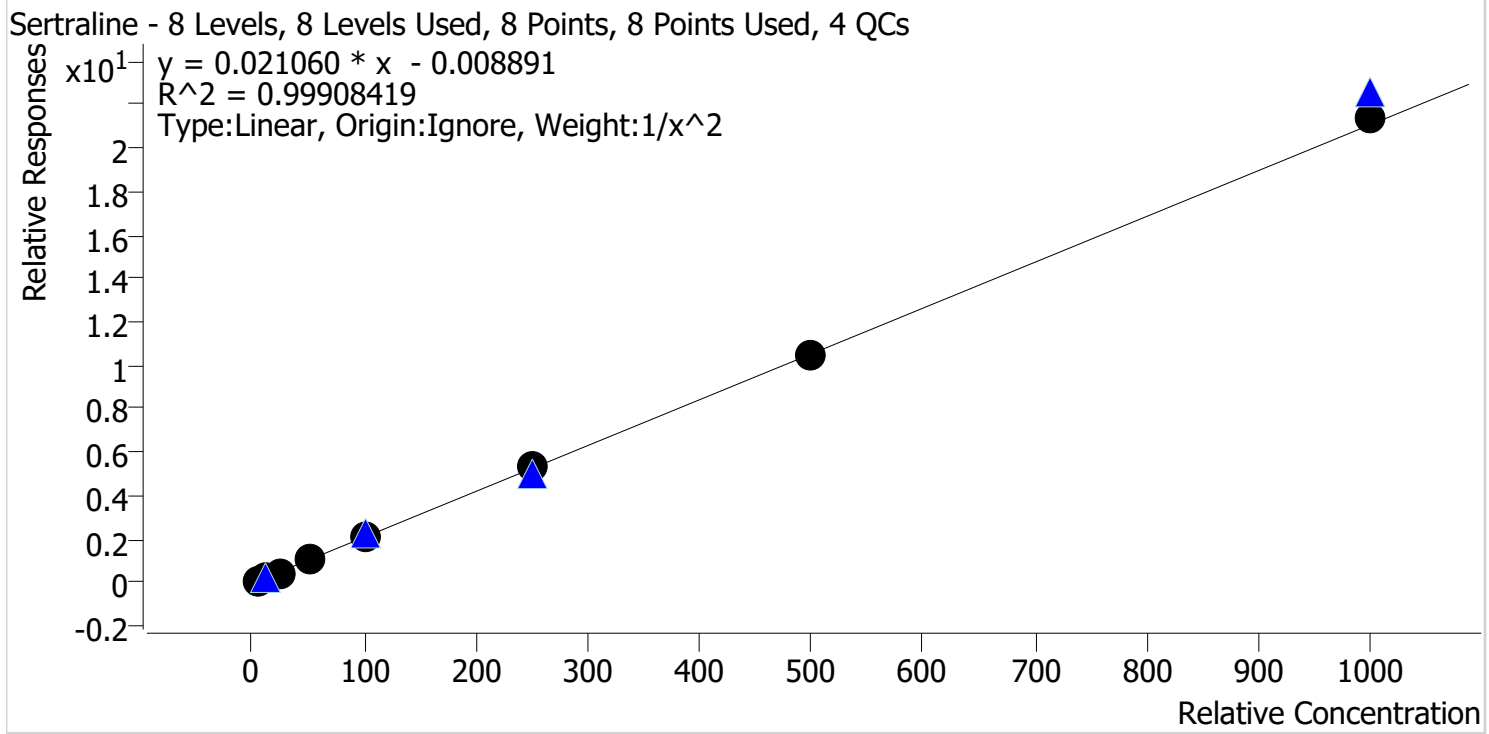
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.6
p1 Cal 2-10ng	2	✓	10.0	10.0	100.4
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.4
p1 Cal 4-50ng	4	✓	50.0	54.5	109.1
p1 Cal 5-100ng	5	✓	100.0	105.8	105.8
p1 Cal 6-250ng	6	✓	250.0	256.8	102.7
p1 Cal 7-500ng	7	✓	500.0	479.6	95.9
p1 Cal 8-1000ng	8	✓	1000.0	830.6	83.1

8C



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Last Cal. Update 3/10/2021 11:28 AM
Analyst Name ISP\Datastor
Analyte Sertraline **Internal Standard** Sertraline-D3



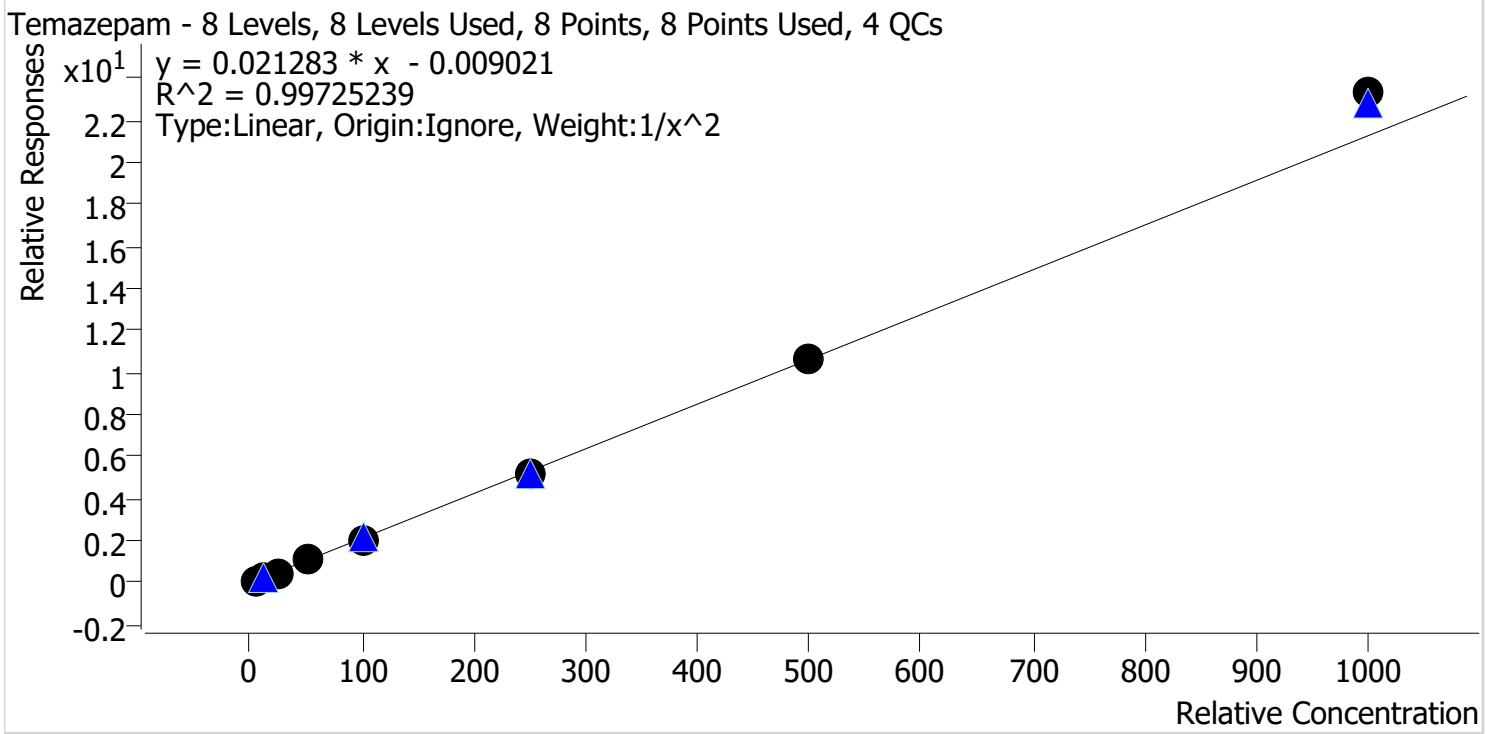
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.0
p1 Cal 2-10ng	2	✓	10.0	9.7	97.4
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.3
p1 Cal 4-50ng	4	✓	50.0	51.6	103.1
p1 Cal 5-100ng	5	✓	100.0	99.1	99.1
p1 Cal 6-250ng	6	✓	250.0	252.9	101.2
p1 Cal 7-500ng	7	✓	500.0	501.2	100.2
p1 Cal 8-1000ng	8	✓	1000.0	1017.8	101.8

8C



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Last Cal. Update 3/10/2021 11:28 AM
Analyst Name ISP\Datastor
Analyte Temazepam **Internal Standard** Temazepam-D5



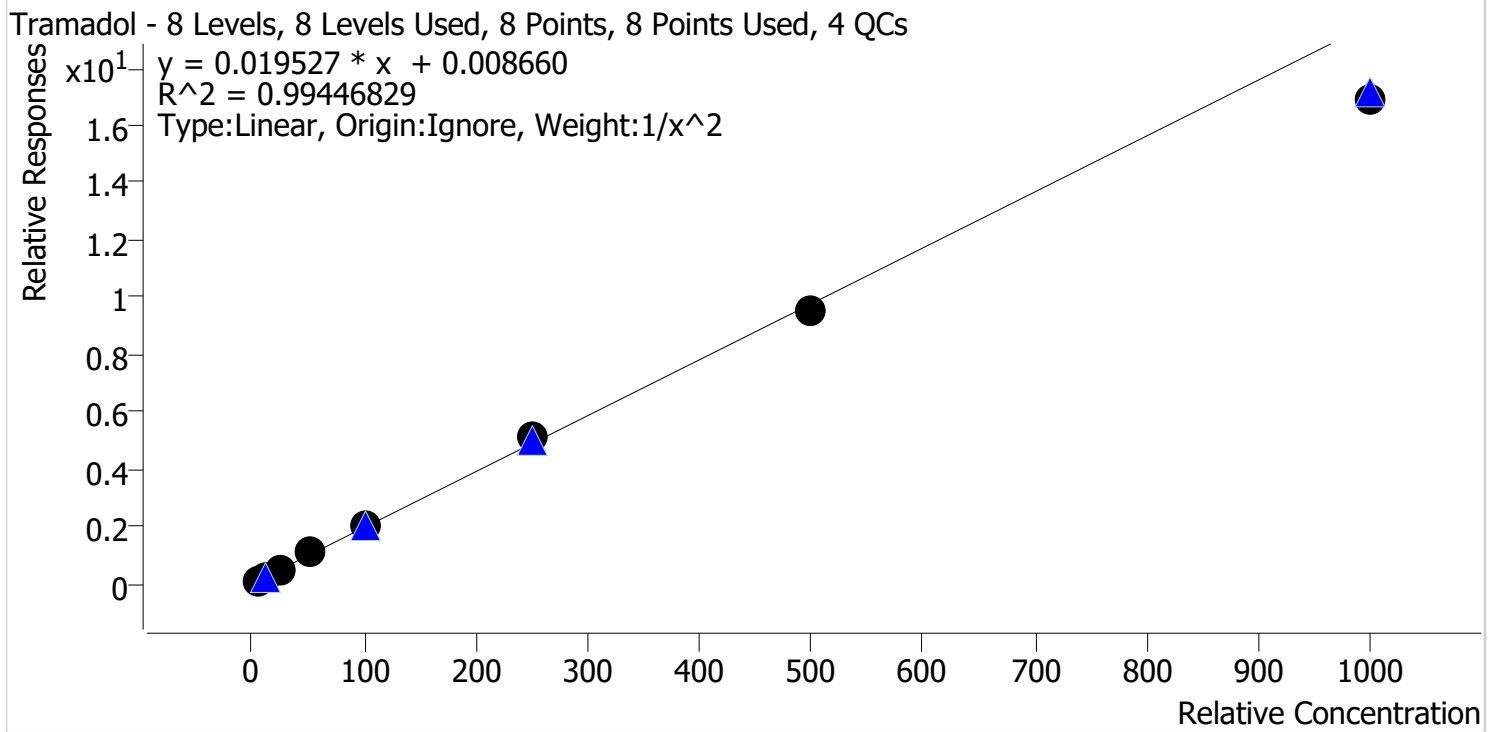
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.6
p1 Cal 2-10ng	2	✓	10.0	9.9	99.2
p1 Cal 3 -25ng	3	✓	25.0	23.5	94.0
p1 Cal 4-50ng	4	✓	50.0	50.2	100.5
p1 Cal 5-100ng	5	✓	100.0	98.7	98.7
p1 Cal 6-250ng	6	✓	250.0	241.6	96.7
p1 Cal 7-500ng	7	✓	500.0	498.6	99.7
p1 Cal 8-1000ng	8	✓	1000.0	1096.4	109.6

8C



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Last Cal. Update 3/10/2021 11:28 AM
Analyst Name ISP\Datastor
Analyte Tramadol **Internal Standard** Tramadol-13C-D3



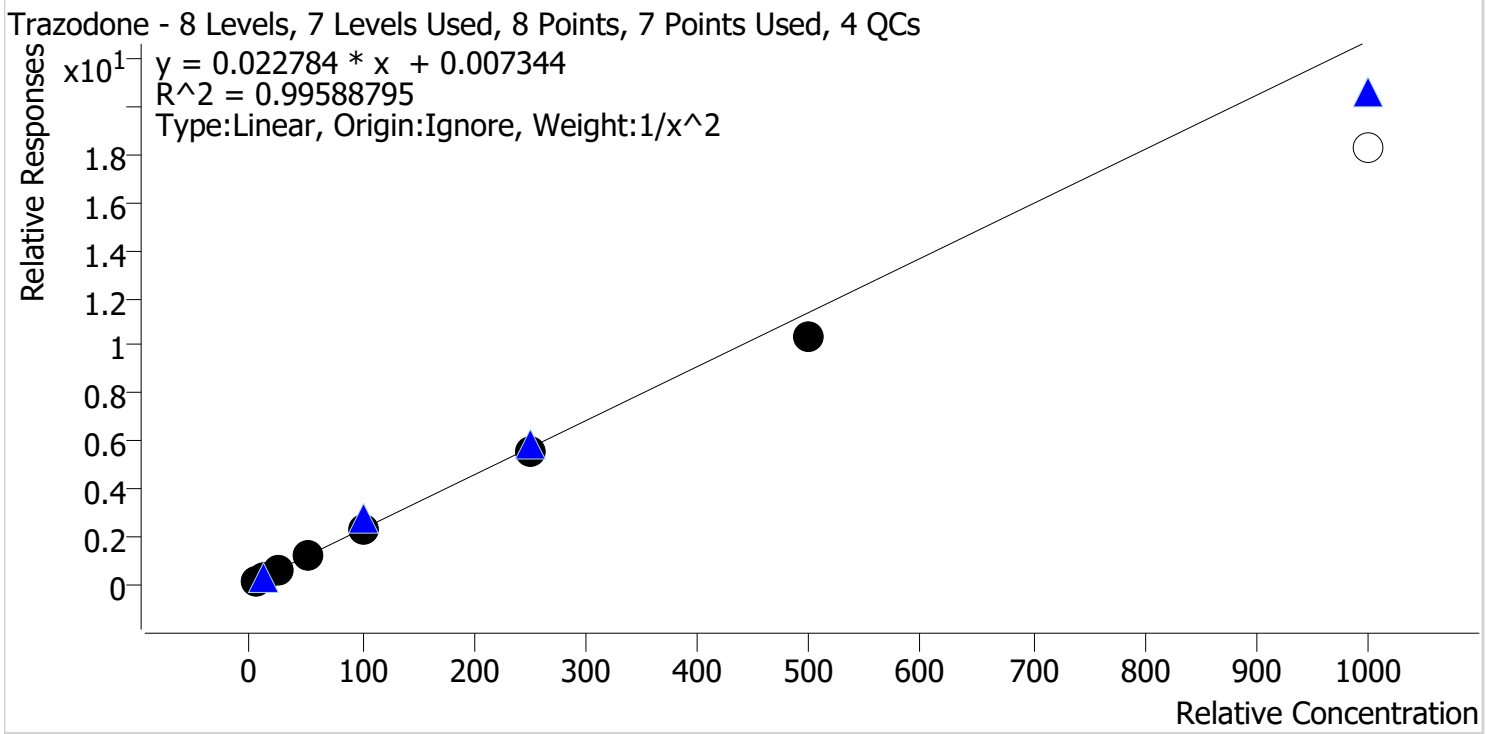
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.0
p1 Cal 2-10ng	2	✓	10.0	10.1	101.2
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.0
p1 Cal 4-50ng	4	✓	50.0	54.0	108.1
p1 Cal 5-100ng	5	✓	100.0	102.8	102.8
p1 Cal 6-250ng	6	✓	250.0	260.8	104.3
p1 Cal 7-500ng	7	✓	500.0	484.9	97.0
p1 Cal 8-1000ng	8	✓	1000.0	864.9	86.5

8C



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Last Cal. Update 3/10/2021 11:28 AM
Analyst Name ISP\Datastor
Analyte Trazodone **Internal Standard** Trazodone-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.9
p1 Cal 2-10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.2
p1 Cal 4-50ng	4	✓	50.0	54.5	109.0
p1 Cal 5-100ng	5	✓	100.0	102.2	102.2
p1 Cal 6-250ng	6	✓	250.0	244.9	98.0
p1 Cal 7-500ng	7	✓	500.0	454.0	90.8
p1 Cal 8-1000ng	8	x	1000.0	803.9	80.4

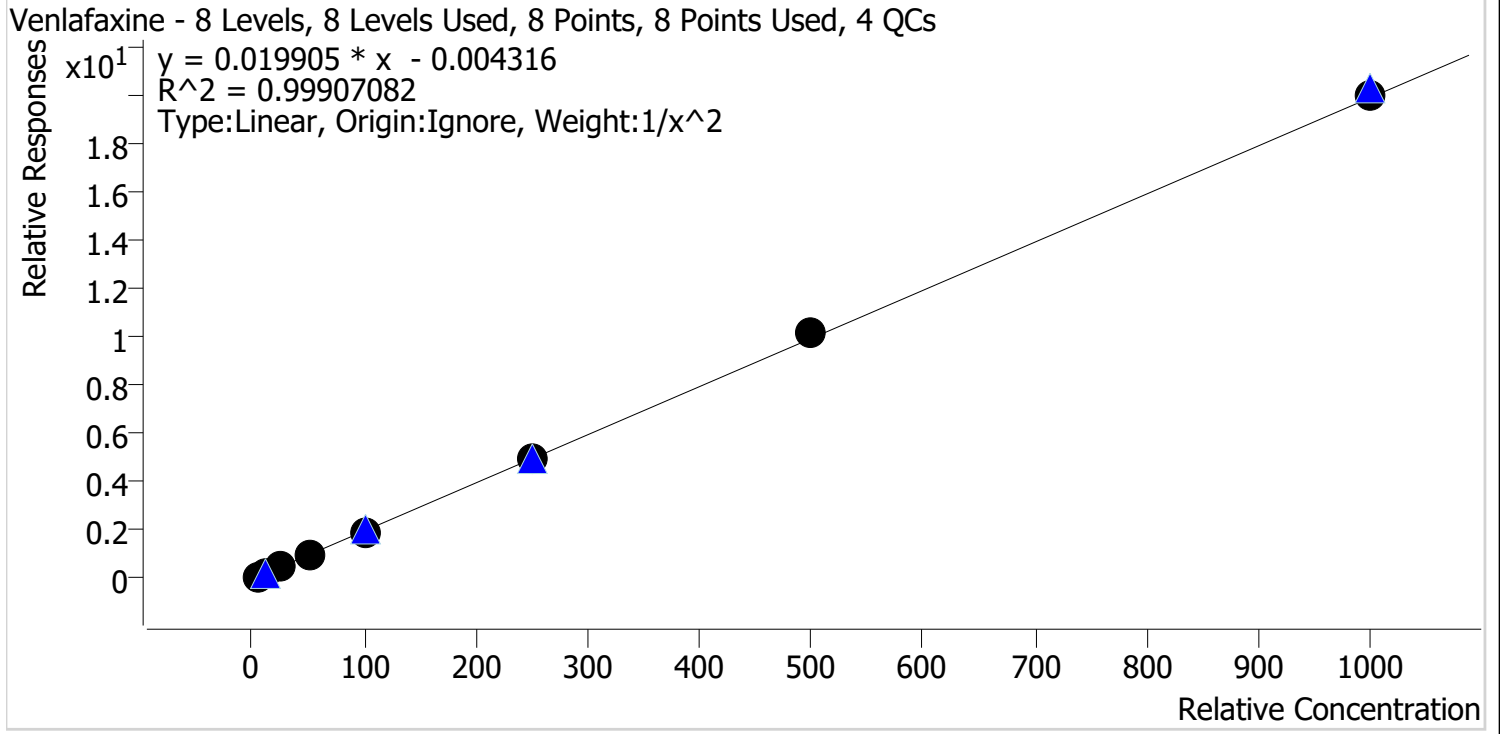
Calibrator 8 dropped due to not meeting accuracy requirement

8C



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Last Cal. Update 3/10/2021 11:28 AM
Analyst Name ISP\Datastor
Analyte Venlafaxine **Internal Standard** Venlafaxine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.8
p1 Cal 2-10ng	2	✓	10.0	9.8	97.5
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.3
p1 Cal 4-50ng	4	✓	50.0	51.8	103.6
p1 Cal 5-100ng	5	✓	100.0	99.2	99.2
p1 Cal 6-250ng	6	✓	250.0	250.2	100.1
p1 Cal 7-500ng	7	✓	500.0	509.1	101.8
p1 Cal 8-1000ng	8	✓	1000.0	1006.2	100.6

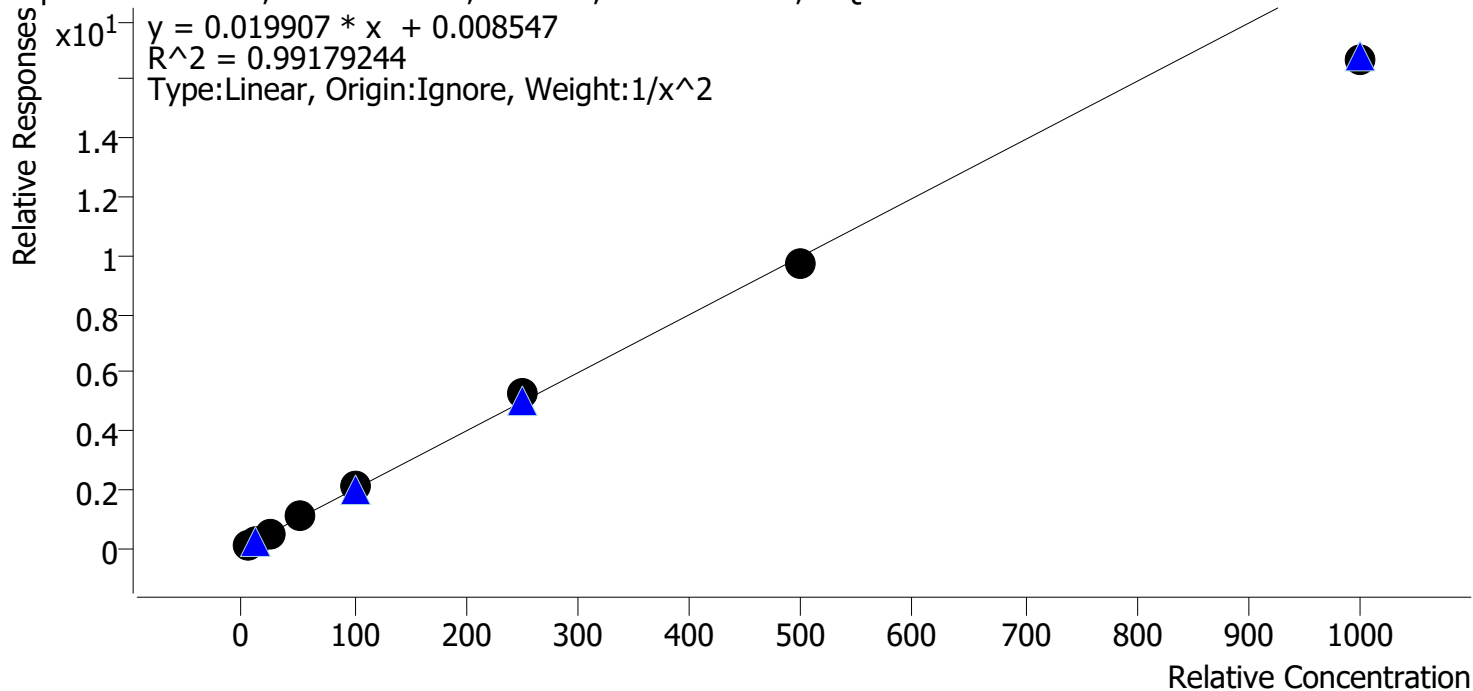
8C



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Last Cal. Update 3/10/2021 11:28 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	99.8
p1 Cal 2-10ng	2	✓	10.0	9.7	97.4
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.3
p1 Cal 4-50ng	4	✓	50.0	54.7	109.4
p1 Cal 5-100ng	5	✓	100.0	105.5	105.5
p1 Cal 6-250ng	6	✓	250.0	263.8	105.5
p1 Cal 7-500ng	7	✓	500.0	488.2	97.6
p1 Cal 8-1000ng	8	✓	1000.0	834.4	83.4

AM #28 Multi-Drug Quant. Results

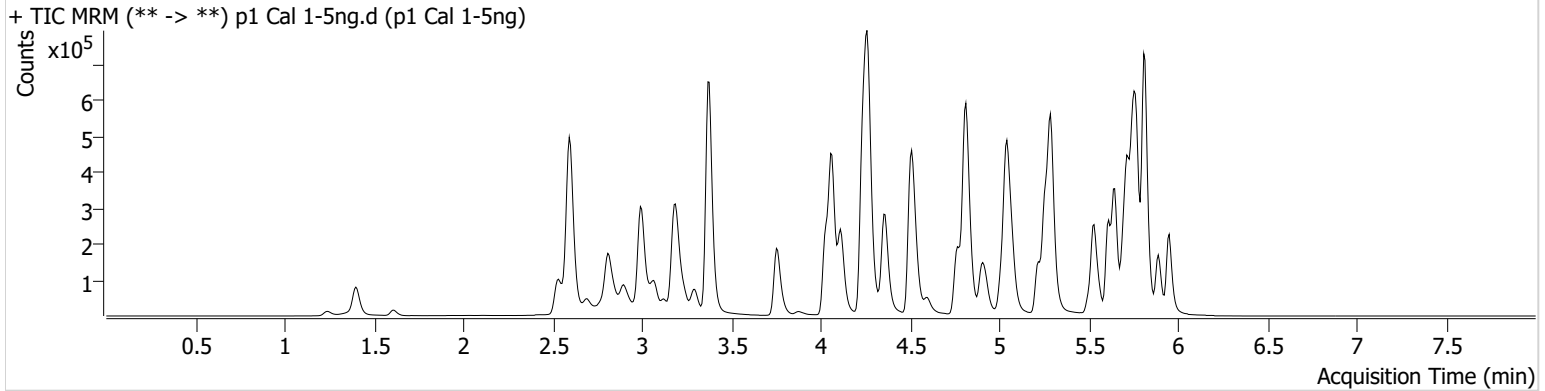
8C



Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Calibration Last Update 3/10/2021 11:28:47 AM

Instrument	Instrument 1	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	3/9/2021 9:06:26 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.138	1646	84.27	78.8	17.90	78049	0.5269 ng/ml
7-aminoclonazepam	4.271	39031	483455.14	81.9	97.14	285363	4.9885 ng/ml
a-hydroxyalprazolam	5.699	18996	356.98	57.9	201.99	474062	4.8601 ng/ml
alpha-PPH	4.930	17761	377.55	266.4	2141.17	623859	4.9769 ng/ml
alpha-PVP	4.370	70311	901.78	52.7	333.44	623859	5.0659 ng/ml
Alprazolam	5.775	65453	387.11	113.1	369.28	474062	5.0499 ng/ml
Amphetamine	3.076	110815	3018.86	49.0	814.33	220778	4.7491 ng/ml
Benzoylcegonine	3.906	2593	185.97	7.1	10.90	19615	4.8625 ng/ml
Buprenorphine	5.677	953	37.73	18.0	306.49	69688	0.8639 ng/ml
Bupropion	4.781	64995	4013.93	60.7	474.34	451491	5.0478 ng/ml
Carisoprodol	5.724	62059	148819.64	57.3	396.72	626326	5.1513 ng/ml
Citalopram	5.219	33205	402.64	43.6	105.23	305046	5.0593 ng/ml
Clonazepam	5.612	84213	1340.84	32.2	9724.61	192421	4.8377 ng/ml
Clonazepam	5.555	53016	34985.50	36.7	37483.18	192421	5.2055 ng/ml
Cocaine	4.264	60295	383.86	51.0	952.91	1124258	5.1045 ng/ml
Codeine	2.580	8360	1925.08	100.2	15652.04	79267	4.8972 ng/ml
Cyclobenzaprine	5.615	25372	24114.94	9.5	84.78	202155	5.1295 ng/ml
Dextromethorphan	5.262	18070	88.28	84.4	156.56	171977	5.0330 ng/ml
Dextrophan	4.118	18749	42437.87	208.9	67688.92	460925	5.0473 ng/ml
Diazepam	5.960	42917	919.12	88.0	190.29	400495	4.9147 ng/ml
Dihydrocodeine	2.559	19398	36161.14	66.2	977.58	231193	4.8967 ng/ml
Diphenhydramine	5.289	85892	354.00	33.4	1133.37	1054402	5.0279 ng/ml
Doxylamine	4.529	136873	7351.17	98.9	1301.28	1188703	4.9162 ng/ml
EDDP	5.261	50878	219.84	42.6	105.14	532670	5.0449 ng/ml
Etizolam	5.813	37374	70050.00	24.6	12560.92	192421	6.3387 ng/ml
Fentanyl	5.089	2547	40.94	63.4	2652.29	241141	0.5242 ng/ml
Flualprazolam	5.705	30278	1289.06	97.7	5557.05	474062	5.0313 ng/ml
Fluoxetine	5.700	29014	170.79	10.1	4609.23	244664	4.9003 ng/ml
Hydrocodone	3.018	29610	80.60	36.9	273.85	698898	4.8359 ng/ml
Hydromorphone	1.608	26056	194064.94	76.4	93.41	9500	4.9022 ng/ml
Ketamine	4.044	61166	917.68	38.0	279.76	556407	4.9969 ng/ml
Lamotrigine	4.280	7761	175.17	73.6	83.83	556407	4.9659 ng/ml
Levetiracetam	2.697	29229	221.38	170.9	656.13	1287064	5.8663 ng/ml

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AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	75572	1437.77	53.8	187.59	192421	4.8255 ng/ml
MDA	3.209	88783	566.03	24.3	131.45	440104	4.7889 ng/ml
MDMA	3.303	50532	3730.66	76.3	404.71	95575	4.9810 ng/ml
Meprobamate	4.931	35968	854.17	27.7	286.51	323155	4.8338 ng/ml
Methadone	5.646	58148	1254.03	50.0	∞	538926	5.0708 ng/ml
Methamphetamine	3.238	57769	136.45	38.5	213.42	448236	4.7980 ng/ml
Metoprolol	4.326	12750	741.79	94.4	474.56	1215136	4.8603 ng/ml
Mirtazapine	4.597	60673	483.62	48.0	292.67	623859	5.0679 ng/ml
Mitragynine	5.216	11549	1614.87	39.3	102.91	538926	4.9643 ng/ml
Morphine	1.247	3843	239.27	29.4	74.43	9500	4.9433 ng/ml
Nordiazepam	5.900	41472	50281.83	58.3	173.38	276593	4.9431 ng/ml
Norfentanyl	4.086	11380	249.07	35.9	114.96	987808	0.5132 ng/ml
Norhydrocodone	3.073	4467	101.04	42.4	35.56	85277	5.2363 ng/ml
Noroxycodone	2.916	32841	297.07	42.1	709.61	219474	5.0455 ng/ml
O-desmethyl-tramadol	3.376	129957	163883.33	6.9	94.70	1561578	5.0682 ng/ml
Oxazepam	5.756	87768	204.76	73.7	78.29	669905	4.9462 ng/ml
Oxycodone	2.841	65600	509.31	25.6	713.83	560352	4.9083 ng/ml
Oxymorphone	1.405	31714	150.55	41.2	169.24	222649	4.9766 ng/ml
Phentermine	3.790	21691	311.91	4.1	10.31	504311	4.8470 ng/ml
Promethazine	5.532	52066	1051.41	27.6	79.26	449596	5.0551 ng/ml
Pseudoephedrine	2.610	134170	1535.11	16.2	400.29	1287064	5.1447 ng/ml
Quetiapine	5.514	41680	131.46	57.7	45050.46	111997	4.8801 ng/ml
Sertraline	5.769	14393	856.49	105.1	122.46	146169	5.0979 ng/ml
Temazepam	5.816	132454	2383.18	29.0	110.35	1336377	5.0810 ng/ml
Tramadol	4.252	126842	875.30	3.8	42.81	1215136	4.9023 ng/ml
Trazodone	5.060	39842	1313.09	78.5	43954.71	331865	4.9468 ng/ml
Venlafaxine	5.043	95063	7397.53	40.7	80.20	979717	5.0915 ng/ml
Zolpidem	4.833	153963	1822.66	30.9	774.12	1427077	4.9902 ng/ml

AM #28 Multi-Drug Quant. Results

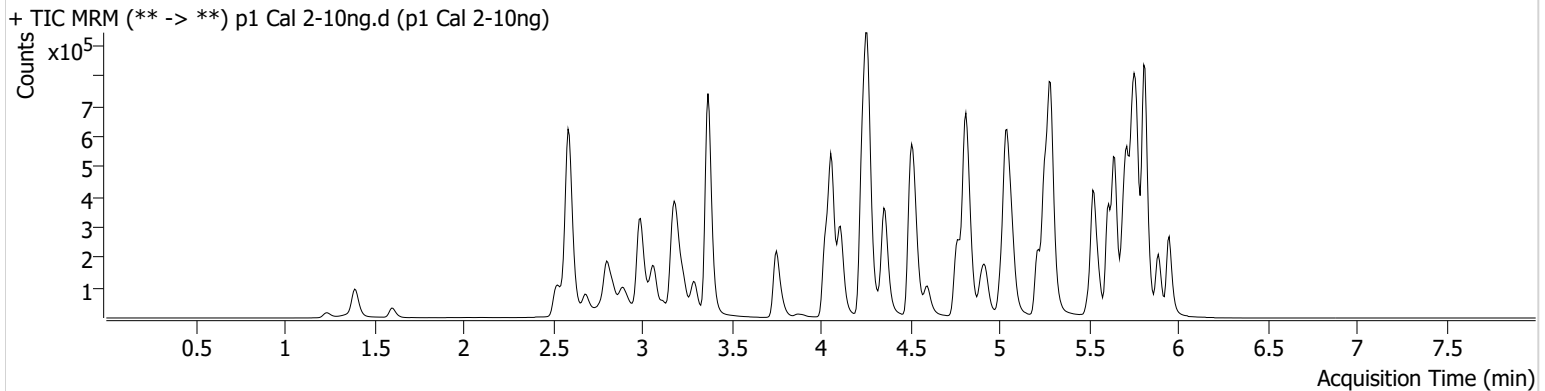
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Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Calibration Last Update 3/10/2021 11:28:47 AM

Instrument	Instrument 1	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	3/9/2021 9:17:11 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	2971	167.25	80.3	792.97	81239	0.9078 ng/ml
7-aminoclonazepam	4.271	79149	7167.36	80.2	1383.65	291268	9.9876 ng/ml
a-hydroxyalprazolam	5.699	39743	791.69	58.6	158.43	471684	10.5610 ng/ml
alpha-PHP	4.930	41081	745.81	264.2	1623.54	702519	10.0545 ng/ml
alpha-PVP	4.363	157871	431.70	52.4	700.00	702519	9.8755 ng/ml
Alprazolam	5.775	129481	2994.88	112.4	529.24	471684	9.8647 ng/ml
Amphetamine	3.069	253068	3516.67	47.8	2099.92	248343	10.5563 ng/ml
Benzoylecgonine	3.899	5579	169.08	6.5	157.25	19310	10.6871 ng/ml
Buprenorphine	5.677	2438	74.77	14.8	137.80	91995	1.2734 ng/ml
Bupropion	4.781	149407	49306.55	60.2	288.07	543352	9.7242 ng/ml
Carisoprodol	5.724	121604	298229.23	56.0	237.81	626410	9.6455 ng/ml
Citalopram	5.219	86450	413.93	42.7	455.62	396197	9.8959 ng/ml
Clonazepam	5.612	166112	8275.82	32.4	295.72	197179	10.0747 ng/ml
Clonazepam	5.555	104429	10933.96	37.9	17875.03	197179	9.4576 ng/ml
Cocaine	4.264	126082	111896.38	51.8	6495.58	1216174	9.6451 ng/ml
Codeine	2.573	16261	70671.84	107.2	47351.69	82741	9.8937 ng/ml
Cyclobenzaprine	5.615	70284	3155.41	8.7	92.95	288260	9.7125 ng/ml
Dextromethorphan	5.262	47688	518.40	78.9	1671.21	228984	9.8892 ng/ml
Dextrophan	4.111	42532	161490.65	210.0	1432.59	529127	9.8358 ng/ml
Diazepam	5.953	89138	1170.58	87.6	∞	408032	10.2190 ng/ml
Dihydrocodeine	2.552	40453	579.00	61.7	599.61	246155	9.9252 ng/ml
Diphenhydramine	5.289	220164	11982.49	32.5	112.85	1334470	10.0245 ng/ml
Doxylamine	4.522	306593	23644.29	97.6	4292.09	1333084	10.0574 ng/ml
EDDP	5.254	134896	714.34	41.5	674.71	705513	9.8471 ng/ml
Etizolam	5.813	77713	70572.75	25.7	1772.68	197179	10.4053 ng/ml
Fentanyl	5.082	6996	116.59	73.5	60.75	340924	0.9500 ng/ml
Flualprazolam	5.705	57633	3227.36	98.2	33272.27	471684	9.8164 ng/ml
Fluoxetine	5.700	88195	483.18	9.0	87.43	360870	10.2279 ng/ml
Hydrocodone	3.018	62641	669.53	38.3	118.08	746648	10.1540 ng/ml
Hydromorphone	1.601	53657	1329.77	73.8	1346.87	9698	10.1530 ng/ml
Ketamine	4.044	125138	1337.72	37.8	314.79	597827	9.8474 ng/ml
Lamotrigine	4.273	13648	676.76	77.8	455.06	597827	9.6532 ng/ml
Levetiracetam	2.683	58550	1465.52	165.0	1788.11	1464401	9.8648 ng/ml

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AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	151763	2072.07	55.4	244.48	197179	10.5299 ng/ml
MDA	3.203	198201	1500.34	23.7	291.94	485293	10.4356 ng/ml
MDMA	3.296	113851	6576.97	76.3	1571.03	108131	10.0370 ng/ml
Meprobamate	4.931	69123	229.26	26.7	70.88	317422	10.1804 ng/ml
Methadone	5.646	160075	3031.44	46.0	3015.72	730791	9.8954 ng/ml
Methamphetamine	3.238	143799	478.12	37.8	269.54	567744	10.2770 ng/ml
Metoprolol	4.326	28730	1101.97	92.8	448.04	1312981	10.3143 ng/ml
Mirtazapine	4.597	149472	2025.82	47.1	761.32	702519	9.8930 ng/ml
Mitragynine	5.210	31715	38164.70	38.6	161.38	730791	10.1850 ng/ml
Morphine	1.247	8039	5105.46	28.2	444.19	9698	10.1703 ng/ml
Norbuprenorphine	4.986	257	733.56	112.3	1309.92	13821	0.9730 ng/ml
Nordiazepam	5.900	87669	2023.43	57.7	397.71	293837	10.0134 ng/ml
Norfentanyl	4.086	26237	1193.17	33.9	126.32	1137318	0.9825 ng/ml
Norhydrocodone	3.066	9188	∞	44.0	128.22	90457	9.7219 ng/ml
Noroxycodone	2.909	68491	509.04	42.1	518.60	236739	9.7870 ng/ml
O-desmethyl-tramadol	3.376	261616	1813.17	6.9	920.42	1611795	9.7865 ng/ml
Oxazepam	5.756	168726	3092.57	74.6	1421.39	688434	9.8674 ng/ml
Oxycodone	2.834	136974	693.70	25.9	587.62	582722	10.1699 ng/ml
Oxymorphone	1.398	63908	∞	41.8	182.57	229066	9.9461 ng/ml
Phentermine	3.790	50197	211.77	4.7	31.52	587983	10.1746 ng/ml
Promethazine	5.532	146544	2400.96	27.3	1545.77	632843	9.8711 ng/ml
Pseudoephedrine	2.603	298245	3677.20	16.1	34048.06	1464401	9.6835 ng/ml
Quetiapine	5.514	105392	228175.75	57.0	2272.39	144476	10.0364 ng/ml
Sertraline	5.769	41192	422.53	103.3	272.16	209986	9.7370 ng/ml
Temazepam	5.816	275384	364.33	28.8	94.93	1361925	9.9247 ng/ml
Tramadol	4.246	270867	1279.28	3.6	1253.03	1312981	10.1215 ng/ml
Trazodone	5.054	101373	256.71	80.5	196477.87	431527	9.9881 ng/ml
Venlafaxine	5.043	209294	1063.28	40.0	204.64	1102481	9.7541 ng/ml
Zolpidem	4.833	308334	2400.68	31.8	1394.90	1522326	9.7449 ng/ml

AM #28 Multi-Drug Quant. Results

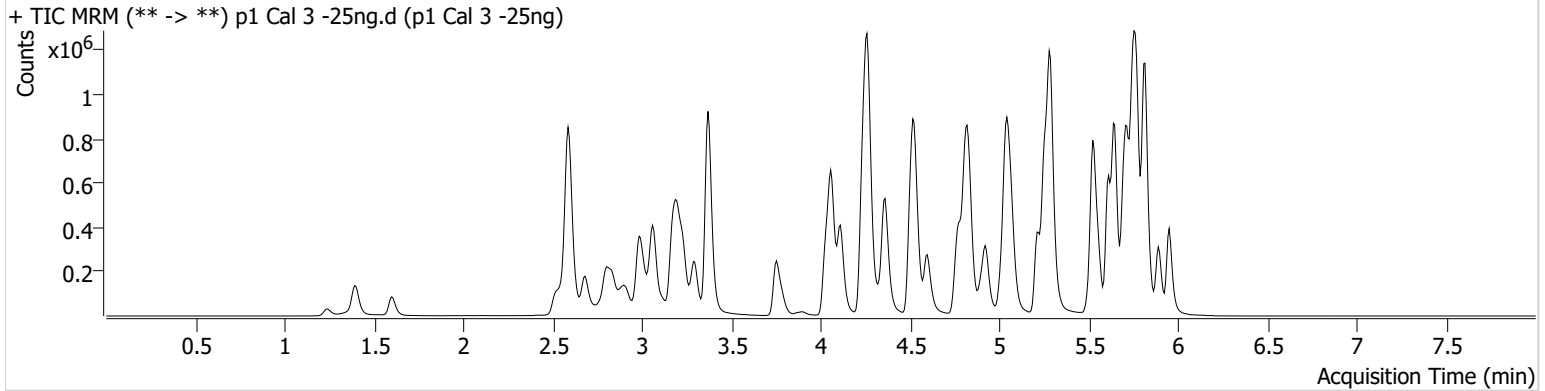
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Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Calibration Last Update 3/10/2021 11:28:47 AM

Instrument	Instrument 1	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	3/9/2021 9:27:47 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	8222	213.56	69.2	1392.92	85931	2.3617 ng/ml
7-aminoclonazepam	4.271	201619	333.45	79.5	7129.20	298970	24.9016 ng/ml
a-hydroxyalprazolam	5.699	93968	439.35	58.6	201.32	482179	24.8335 ng/ml
alpha-PHP	4.930	108707	339.19	267.1	11162.24	748301	24.7410 ng/ml
alpha-PVP	4.363	411442	10565.30	53.1	608.86	748301	23.8345 ng/ml
Alprazolam	5.775	326315	527.27	114.4	3127.67	482179	24.0593 ng/ml
Amphetamine	3.063	695954	565.56	48.9	1410.76	286808	26.3635 ng/ml
Benzoylecgonine	3.899	14009	172.77	8.0	440.03	21754	23.8785 ng/ml
Buprenorphine	5.677	7152	1461.87	14.6	1523.45	108134	2.5388 ng/ml
Bupropion	4.781	415383	3498.32	60.5	706.20	595493	24.8071 ng/ml
Carisoprodol	5.724	302255	1420.87	54.6	723.31	618795	23.5632 ng/ml
Citalopram	5.212	248880	8461.63	44.4	1064.08	468842	23.7245 ng/ml
Clonazepam	5.612	413929	18717.40	32.8	303.09	194483	26.7111 ng/ml
Clonazepam	5.555	266860	277965.27	36.5	186917.47	194483	23.5570 ng/ml
Cocaine	4.264	331929	549.57	50.3	282879.06	1252280	24.2896 ng/ml
Codeine	2.573	42407	2978.85	103.9	2034.15	85403	26.3555 ng/ml
Cyclobenzaprine	5.615	224705	693.02	9.0	735.40	371185	23.7180 ng/ml
Dextromethorphan	5.262	141237	549.10	80.9	189883.74	273788	24.3657 ng/ml
Dextrophan	4.111	112252	444.13	208.4	501.47	554293	24.5648 ng/ml
Diazepam	5.953	224908	3331.13	86.8	419.47	423843	25.0974 ng/ml
Dihydrocodeine	2.552	106539	4659.68	63.1	357.49	248139	26.4924 ng/ml
Diphenhydramine	5.289	631295	1416.61	32.9	812.59	1590080	23.9058 ng/ml
Doxylamine	4.522	811170	4175.52	97.8	5477.06	1422992	25.2809 ng/ml
EDDP	5.254	377697	11260.74	41.6	208.19	774429	24.6334 ng/ml
Etizolam	5.813	194073	7247.77	26.3	98138.90	194483	22.6879 ng/ml
Fentanyl	5.082	21506	1720.93	71.2	46407.24	415861	2.2839 ng/ml
Flualprazolam	5.705	142242	5488.05	101.6	13723.63	482179	23.9964 ng/ml
Fluoxetine	5.700	279367	351.61	8.9	180.55	467035	25.2091 ng/ml
Hydrocodone	3.012	161137	308.86	38.1	972.81	749180	26.9538 ng/ml
Hydromorphone	1.601	144015	2477.71	74.8	658814.13	10601	25.3077 ng/ml
Ketamine	4.044	321729	588.81	37.7	2019.87	617799	25.0465 ng/ml
Lamotrigine	4.273	34087	304.91	79.4	437.30	617799	26.7239 ng/ml
Levetiracetam	2.683	157751	1676.87	164.6	2544.72	1547249	24.2114 ng/ml

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AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	349902	2160.15	57.3	1401.94	194483	26.1098 ng/ml
MDA	3.203	511886	5064.41	24.2	544.93	520213	26.1606 ng/ml
MDMA	3.296	293098	4676.79	75.5	2397.25	113704	24.7448 ng/ml
Meprobamate	4.924	179499	311.52	26.1	3984.92	321764	27.2609 ng/ml
Methadone	5.646	481845	1227.14	45.7	2404.28	905173	23.4938 ng/ml
Methamphetamine	3.231	440066	1722.15	38.6	799.17	703119	26.6870 ng/ml
Metoprolol	4.326	73262	197613.96	91.2	1039.79	1374396	25.3627 ng/ml
Mirtazapine	4.597	431545	584.74	46.8	2602.26	748301	25.0952 ng/ml
Mitragynine	5.210	94867	169779.15	37.6	1196.18	905173	24.7783 ng/ml
Morphine	1.240	21220	1685.50	28.0	43.89	10601	24.6156 ng/ml
Norbuprenorphine	4.986	930	2965.31	94.1	1085.56	16795	2.6475 ng/ml
Nordiazepam	5.900	221208	6604.94	57.6	1028.18	295821	25.3660 ng/ml
Norfentanyl	4.086	68737	28720.63	34.9	252.18	1240477	2.2969 ng/ml
Norhydrocodone	3.066	20951	147.72	47.2	82.18	92172	21.1884 ng/ml
Noroxycodone	2.909	176913	3675.17	41.6	1261.54	243892	24.5899 ng/ml
O-desmethyl-tramadol	3.376	670298	804.35	6.9	5464.46	1664883	24.1217 ng/ml
Oxazepam	5.756	415718	4255.67	75.0	717.42	689420	25.3084 ng/ml
Oxycodone	2.834	348078	793.69	26.8	1535.27	606773	25.2691 ng/ml
Oxymorphone	1.398	161247	362.39	42.1	766.81	235106	24.7524 ng/ml
Phentermine	3.790	138854	327.73	4.6	87.44	648769	26.3558 ng/ml
Promethazine	5.532	467886	2673.12	27.0	1015.31	818223	24.0277 ng/ml
Pseudoephedrine	2.596	781271	1190.65	16.7	36748.92	1547249	23.4376 ng/ml
Quetiapine	5.514	315277	26036.34	57.2	171379.37	169431	26.3614 ng/ml
Sertraline	5.769	130184	434.35	100.6	219325.09	264210	23.8189 ng/ml
Temazepam	5.816	669380	7464.78	29.7	373.59	1362974	23.4999 ng/ml
Tramadol	4.246	696552	16780.47	3.8	458.33	1374396	25.5111 ng/ml
Trazodone	5.054	302328	280337.25	78.3	437215.51	517688	25.3091 ng/ml
Venlafaxine	5.043	538781	1366.92	40.6	2414.24	1146834	23.8188 ng/ml
Zolpidem	4.833	807877	7254.33	31.4	3685.86	1575975	25.3212 ng/ml

AM #28 Multi-Drug Quant. Results

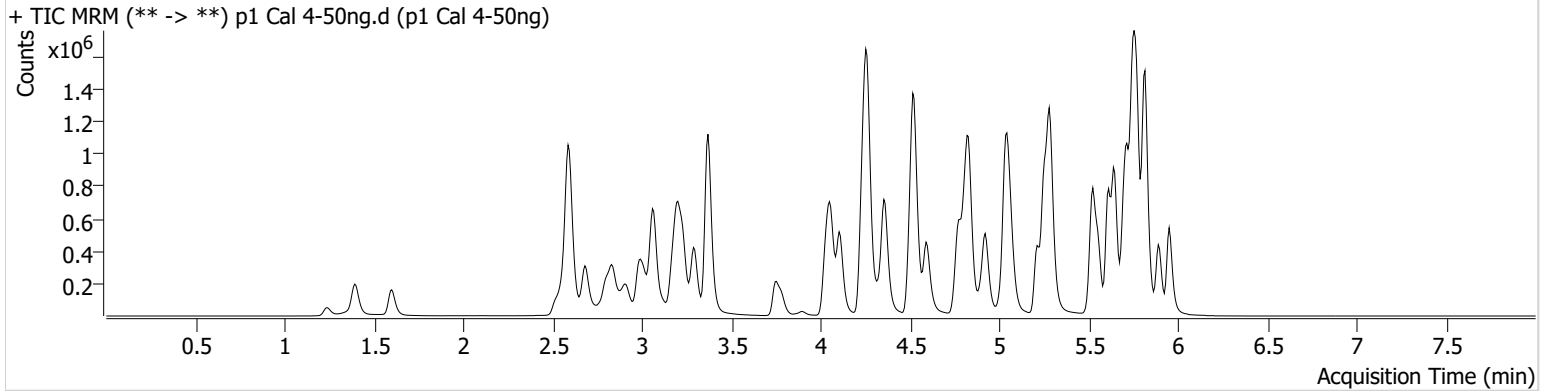
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Calibration Last Update 3/10/2021 11:28:47 AM

Instrument	Instrument 1	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	3/9/2021 9:38:23 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	16549	540.43	72.1	2121.84	78421	5.1989 ng/ml
7-aminoclonazepam	4.265	374902	181.27	82.4	5541.48	267240	51.8850 ng/ml
a-hydroxyalprazolam	5.692	174077	1238.22	58.3	1113.76	426592	52.3378 ng/ml
alpha-PHP	4.923	199649	422.85	267.0	216495.13	653979	51.8167 ng/ml
alpha-PVP	4.363	770668	1778.81	52.2	4558.14	653979	50.8236 ng/ml
Alprazolam	5.775	624669	1084.40	113.1	850.45	426592	51.8516 ng/ml
Amphetamine	3.063	1187276	8544.99	48.6	945.24	234783	55.9035 ng/ml
Benzoylecgonine	3.899	25336	343.84	8.6	147.10	17954	52.3869 ng/ml
Buprenorphine	5.670	10792	340.68	16.9	1730.66	74036	5.0806 ng/ml
Bupropion	4.774	749687	36930.47	60.4	888.05	507077	52.6801 ng/ml
Carisoprodol	5.724	560939	180361.14	54.1	541.25	534132	50.1254 ng/ml
Citalopram	5.212	399116	4478.67	42.6	535.48	338897	52.3359 ng/ml
Clonazepam	5.612	780738	652.78	33.8	20083.33	177731	56.0075 ng/ml
Clonazepam	5.555	510324	1300731.57	36.8	362816.94	177731	48.6449 ng/ml
Cocaine	4.257	639807	33734.22	50.6	621.39	1129387	51.6432 ng/ml
Codeine	2.573	82855	10433.22	101.9	1516.95	77681	57.6333 ng/ml
Cyclobenzaprine	5.615	266775	17352.45	9.4	2724.89	211488	49.1313 ng/ml
Dextromethorphan	5.262	206072	369.51	78.4	327.97	186196	52.1738 ng/ml
Dextrophan	4.111	211361	4288.40	208.7	2669.27	495241	51.6118 ng/ml
Diazepam	5.953	420863	1416.93	87.7	8391.82	377796	52.8994 ng/ml
Dihydrocodeine	2.552	209069	953.55	63.5	3242.71	230983	56.2359 ng/ml
Diphenhydramine	5.289	1015332	21274.01	32.9	9761.15	1191639	51.1270 ng/ml
Doxylamine	4.522	1569633	227329.93	98.5	5247.57	1289076	54.2721 ng/ml
EDDP	5.254	671540	997.10	43.2	267.97	660539	51.2736 ng/ml
Etizolam	5.813	364680	15486.01	26.0	241918.63	177731	44.1292 ng/ml
Fentanyl	5.082	27864	1616.63	71.5	33470.89	255859	4.7294 ng/ml
Flualprazolam	5.705	284381	10841.97	97.8	32985.82	426592	54.4908 ng/ml
Fluoxetine	5.700	306349	305.24	9.0	∞	242897	53.2874 ng/ml
Hydrocodone	3.012	303866	2463.68	39.1	431.02	711090	54.1328 ng/ml
Hydromorphone	1.601	272366	9711.95	75.7	781429.83	9449	53.9901 ng/ml
Ketamine	4.037	615531	13675.41	38.8	497.48	560089	53.2648 ng/ml
Lamotrigine	4.267	62549	608.99	79.4	4548.19	560089	56.5425 ng/ml
Levetiracetam	2.683	288228	3732.72	167.0	664.47	1334420	50.6108 ng/ml

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AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	631370	2120.10	56.0	994.17	177731	52.6434 ng/ml
MDA	3.203	933161	6271.69	24.2	1722.59	450161	55.9114 ng/ml
MDMA	3.290	554565	56606.88	75.8	2114.50	102395	52.1210 ng/ml
Meprobamate	4.924	326922	13513.01	27.0	21340.49	294578	54.9803 ng/ml
Methadone	5.646	714365	15878.59	45.8	47827.85	610662	51.1656 ng/ml
Methamphetamine	3.231	676281	2892.61	38.8	638.22	527151	55.6239 ng/ml
Metoprolol	4.326	139475	2629.33	91.9	1198.61	1240402	53.6836 ng/ml
Mirtazapine	4.590	710420	3563.36	48.2	2121.13	653979	46.3822 ng/ml
Mitragynine	5.210	127619	1537.56	41.0	1489.84	610662	49.5360 ng/ml
Morphine	1.240	40538	577.10	27.2	206.50	9449	52.8033 ng/ml
Norbuprenorphine	4.986	1359	∞	95.5	6552.02	12171	5.2040 ng/ml
Nordiazepam	5.900	413881	4559.69	58.6	2413.74	264971	53.1806 ng/ml
Norfentanyl	4.079	132247	1486.75	34.2	482.87	1082123	5.0117 ng/ml
Norhydrocodone	3.059	42292	156.53	40.3	75.09	78753	49.4341 ng/ml
Noroxycodone	2.909	333590	870.74	41.4	7060.05	214719	52.7056 ng/ml
O-desmethyl-tramadol	3.369	1312200	26073.50	6.9	1319.50	1517183	51.6998 ng/ml
Oxazepam	5.749	763771	612.39	74.4	291.89	582458	55.8655 ng/ml
Oxycodone	2.834	674694	1976.44	27.2	742.53	559572	53.4557 ng/ml
Oxymorphone	1.398	316351	∞	40.8	∞	208639	54.9728 ng/ml
Phentermine	3.783	247207	907.35	4.4	66.83	554953	55.4626 ng/ml
Promethazine	5.525	560636	1156.02	27.8	379.68	455216	51.4762 ng/ml
Pseudoephedrine	2.596	1456213	6743.28	16.6	17120.88	1334420	50.2050 ng/ml
Quetiapine	5.514	496690	9837.63	57.5	433536.45	130263	54.5315 ng/ml
Sertraline	5.762	149917	3208.41	99.3	1123.01	139187	51.5667 ng/ml
Temazepam	5.816	1263230	27305.31	29.3	456.77	1191735	50.2296 ng/ml
Tramadol	4.246	1319680	82334.69	3.7	462.27	1240402	54.0416 ng/ml
Trazodone	5.054	443091	39613.60	78.5	436095.72	354760	54.4953 ng/ml
Venlafaxine	5.037	1056059	818.70	40.3	366.52	1028490	51.8020 ng/ml
Zolpidem	4.826	1551681	4500.24	31.2	2875.18	1414294	54.6835 ng/ml

AM #28 Multi-Drug Quant. Results

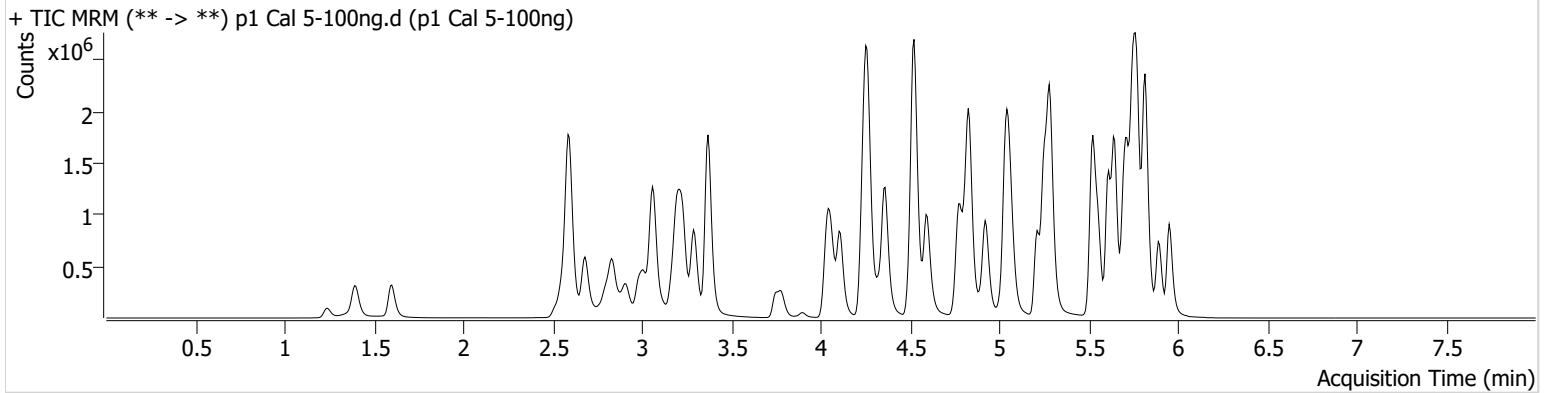
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Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Calibration Last Update 3/10/2021 11:28:47 AM

Instrument	Instrument 1	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	3/9/2021 9:48:58 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	34468	11054.85	71.1	59698.24	86883	9.7665 ng/ml
7-aminoclonazepam	4.271	712595	214.96	81.1	23787.74	260444	101.2676 ng/ml
a-hydroxyalprazolam	5.692	307679	430.25	55.6	1926.94	424610	93.1787 ng/ml
alpha-PHP	4.923	427746	3972.34	266.4	10147.06	709834	102.1260 ng/ml
alpha-PVP	4.363	1677768	911.32	51.7	405382.84	709834	101.7100 ng/ml
Alprazolam	5.775	1210362	1251.11	113.2	∞	424610	100.7688 ng/ml
Amphetamine	3.063	2403581	1970.41	48.8	1033.39	254912	105.0047 ng/ml
Benzoylecgonine	3.899	52185	1359.21	8.1	1534.77	20327	95.3443 ng/ml
Buprenorphine	5.677	25008	1333.91	15.6	2304.91	89960	9.3012 ng/ml
Bupropion	4.781	1599155	1637.95	60.8	970.09	563926	101.1268 ng/ml
Carisoprodol	5.724	1024820	21509.69	52.9	18942.86	502258	96.9499 ng/ml
Citalopram	5.212	896040	8820.99	43.5	369522.67	406051	97.8516 ng/ml
Clonazepam	5.612	1452171	25476.53	32.5	752.57	170869	109.1279 ng/ml
Clonazepam	5.555	1005761	366893.12	36.6	35557.58	170869	99.0964 ng/ml
Cocaine	4.257	1304954	35179.68	51.0	1448.15	1196674	99.1889 ng/ml
Codeine	2.573	156012	21720.05	104.5	7392.34	80643	105.2575 ng/ml
Cyclobenzaprine	5.615	760875	23348.92	8.7	213.71	296840	99.5604 ng/ml
Dextromethorphan	5.262	486728	25867.73	79.6	10892.89	230161	99.6119 ng/ml
Dextrophan	4.111	444404	711.72	207.5	5578.10	543661	98.7234 ng/ml
Diazepam	5.953	844923	8369.82	88.3	∞	400919	100.2473 ng/ml
Dihydrocodeine	2.552	426542	1949.61	62.6	1245.97	252840	105.1153 ng/ml
Diphenhydramine	5.289	2314428	34837.78	32.6	484.20	1402342	98.8873 ng/ml
Doxylamine	4.522	3423685	2042.20	97.6	7675.92	1441490	106.0885 ng/ml
EDDP	5.254	1429672	744.63	42.5	1962.15	728306	98.7680 ng/ml
Etizolam	5.813	735022	10514.07	24.9	358075.78	170869	89.8976 ng/ml
Fentanyl	5.082	77461	428.88	67.7	27983.72	341739	9.7651 ng/ml
Flualprazolam	5.705	540180	10663.97	99.6	1153364.00	424610	104.1786 ng/ml
Fluoxetine	5.700	810233	29640.07	8.7	2112.54	335128	102.2593 ng/ml
Hydrocodone	3.012	620145	∞	38.7	1405.44	751690	105.0585 ng/ml
Hydromorphone	1.601	551221	29145.39	76.0	1936132.77	9842	105.1463 ng/ml
Ketamine	4.037	1301062	33080.05	37.8	368.50	609272	103.8455 ng/ml
Lamotrigine	4.273	119970	996.28	79.2	481.89	609272	101.5236 ng/ml
Levetiracetam	2.683	579377	4199.91	163.1	799.68	1483084	91.0441 ng/ml

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AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	1011426	19487.02	54.9	4367.51	170869	88.4641 ng/ml
MDA	3.203	1806432	2356.22	23.4	2456.69	472356	103.7591 ng/ml
MDMA	3.290	1173818	4962.23	76.1	2918.23	113374	99.7460 ng/ml
Meprobamate	4.924	582542	1488.26	27.6	7855.72	293603	98.8902 ng/ml
Methadone	5.646	1735867	38080.28	44.3	18034.18	748651	101.0333 ng/ml
Methamphetamine	3.231	1525672	2691.94	38.4	1172.60	624493	106.7203 ng/ml
Metoprolol	4.326	300637	2261.05	88.7	2264.38	1372896	104.7027 ng/ml
Mirtazapine	4.597	1609416	4451.99	48.6	13650.22	709834	95.7152 ng/ml
Mitragynine	5.210	316009	2210.32	40.2	228465.23	748651	100.1831 ng/ml
Morphine	1.240	81210	2492.99	28.2	672.62	9842	101.5904 ng/ml
Norbuprenorphine	4.986	3194	723.06	90.5	12609.32	15462	9.5200 ng/ml
Nordiazepam	5.900	831371	5577.81	58.0	1499.40	271383	104.4727 ng/ml
Norfentanyl	4.079	287684	38667.10	33.6	∞	1220157	9.6271 ng/ml
Norhydrocodone	3.059	78551	318.77	42.2	98.65	75637	95.1709 ng/ml
Noroxycodone	2.909	651252	2241.11	42.2	2185.65	222120	99.4968 ng/ml
O-desmethyl-tramadol	3.369	2788041	1687.31	6.7	1092.51	1650247	100.8910 ng/ml
Oxazepam	5.749	1306647	11264.76	73.9	6371.70	518438	108.0269 ng/ml
Oxycodone	2.827	1406438	2038.52	26.7	2041.46	605214	103.3176 ng/ml
Oxymorphone	1.398	607708	∞	42.6	∞	220341	100.1635 ng/ml
Phentermine	3.783	514331	521.41	4.3	330.18	613299	104.9121 ng/ml
Promethazine	5.525	1586584	3531.68	27.6	1609.03	657555	100.6225 ng/ml
Pseudoephedrine	2.596	3135040	74114.05	16.3	4102.77	1483084	96.8893 ng/ml
Quetiapine	5.514	1140315	32935.62	57.2	42741.53	154778	105.8222 ng/ml
Sertraline	5.762	395670	12660.21	100.9	832379.97	190443	99.0761 ng/ml
Temazepam	5.816	2418475	39398.01	29.0	1166.34	1156811	98.6564 ng/ml
Tramadol	4.246	2768152	148152.07	3.6	280.77	1372896	102.8144 ng/ml
Trazodone	5.054	1080096	22759.53	80.7	1090415.46	462430	102.1904 ng/ml
Venlafaxine	5.037	2248397	22440.97	39.6	12030.34	1140949	99.2187 ng/ml
Zolpidem	4.833	3306592	2867.06	31.1	41237.56	1568286	105.4827 ng/ml

AM #28 Multi-Drug Quant. Results

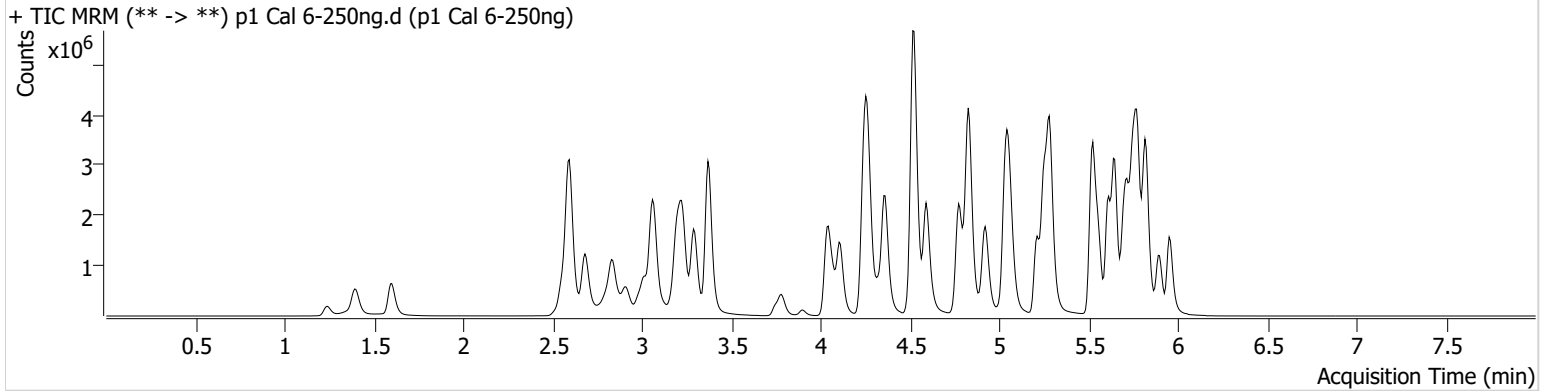
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Calibration Last Update 3/10/2021 11:28:47 AM

Instrument	Instrument 1	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	3/9/2021 9:59:34 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	81093	1618.98	72.4	1255.60	79794	25.0060 ng/ml
7-aminoclonazepam	4.271	1320136	27048.54	81.2	17639.33	200425	243.8951 ng/ml
a-hydroxyalprazolam	5.692	487615	368.48	57.9	475.35	339222	185.1471 ng/ml
alpha-PHP	4.923	901205	91190.76	268.7	1023.02	627818	243.0535 ng/ml
alpha-PVP	4.363	3591352	258005.33	52.7	877.18	627818	245.8349 ng/ml
Alprazolam	5.775	2445884	3491.18	114.6	∞	339222	254.6184 ng/ml
Amphetamine	3.063	4658521	1445.89	49.0	27635.37	221019	235.8216 ng/ml
Benzoylcegonine	3.899	129499	2026.61	7.8	539.72	19815	242.7882 ng/ml
Buprenorphine	5.677	53229	70546.53	14.8	12956.27	76384	22.6721 ng/ml
Bupropion	4.774	3512155	2425.55	59.8	31028.84	498554	251.3574 ng/ml
Carisoprodol	5.724	1779491	47622.56	53.5	21636.53	346559	243.2687 ng/ml
Citalopram	5.212	1904717	27997.40	43.2	733.99	340003	248.0335 ng/ml
Clonazepam	5.612	2616017	46865.04	32.8	22086.71	134011	251.7266 ng/ml
Clonazepam	5.555	1999399	1022747.75	37.6	22197.13	134011	250.2666 ng/ml
Cocaine	4.257	2696861	219936.58	51.2	1090.95	1011399	242.1942 ng/ml
Codeine	2.573	309413	672.15	101.3	34200.96	71789	235.5942 ng/ml
Cyclobenzaprine	5.608	1631726	44697.42	8.8	473.76	250273	252.8250 ng/ml
Dextromethorphan	5.255	1001673	465.16	78.4	620.66	189771	248.4976 ng/ml
Dextrophan	4.111	942118	22501.67	210.6	3256.76	466387	243.7577 ng/ml
Diazepam	5.953	1751116	5273.55	87.3	630.84	336909	247.5195 ng/ml
Dihydrocodeine	2.552	908976	769.03	64.7	1096.64	238579	237.8332 ng/ml
Diphenhydramine	5.289	4984265	141424.97	32.7	16493.96	1195055	249.6626 ng/ml
Doxylamine	4.522	7734568	154159.63	96.0	8340.26	1311807	263.7151 ng/ml
EDDP	5.254	3175993	696.96	42.7	26336.68	659313	242.0064 ng/ml
Etizolam	5.813	1530905	17043.05	25.2	18681.26	134011	234.7831 ng/ml
Fentanyl	5.082	167798	15719.92	72.3	1956.29	300758	23.9298 ng/ml
Flualprazolam	5.705	1064813	7807.13	100.6	121289.83	339222	257.3588 ng/ml
Fluoxetine	5.700	1423932	106224.60	8.7	389797.71	242050	248.9956 ng/ml
Hydrocodone	3.012	1365260	∞	38.1	178.33	699252	249.4381 ng/ml
Hydromorphone	1.601	1166383	9905.71	76.0	8953.52	8851	247.7439 ng/ml
Ketamine	4.037	2869888	31570.63	38.4	967.98	561082	249.2498 ng/ml
Lamotrigine	4.273	222210	2531.96	82.0	11586.83	561082	206.6158 ng/ml
Levetiracetam	2.683	1268130	25142.68	163.0	31617.46	1243699	236.6511 ng/ml

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AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.740	1292960	42366.03	56.7	17131.84	134011	144.8959 ng/ml
MDA	3.203	3342894	4715.62	23.4	2292.00	383719	237.2889 ng/ml
MDMA	3.290	2503025	27639.07	76.7	7706.97	96641	249.7025 ng/ml
Meprobamate	4.924	1048978	300753.53	27.7	20966.52	251082	209.0634 ng/ml
Methadone	5.646	3676736	43672.44	45.0	18554.74	635628	251.4707 ng/ml
Methamphetamine	3.231	3154982	33441.29	38.7	37250.35	555695	249.1755 ng/ml
Metoprolol	4.326	621226	1401390.60	89.8	7106.07	1152898	257.8791 ng/ml
Mirtazapine	4.590	3634199	5085.53	48.6	73514.27	627818	242.8064 ng/ml
Mitragynine	5.210	694091	1770.56	39.3	2313.37	635628	259.3748 ng/ml
Morphine	1.240	178281	1270.86	28.3	518.70	8851	248.0402 ng/ml
Norbuprenorphine	4.986	6979	18185.86	96.6	7052.29	12499	25.5124 ng/ml
Nordiazepam	5.900	1589274	54441.61	57.9	2136.39	218287	248.5385 ng/ml
Norfentanyl	4.079	628868	75288.82	34.6	2338.09	1050421	24.3760 ng/ml
Norhydrocodone	3.059	158192	234.74	41.8	366.03	60200	240.1077 ng/ml
Noroxycodone	2.909	1249866	613.85	41.9	815.80	179965	235.7268 ng/ml
O-desmethyl-tramadol	3.369	6213643	67733.65	6.7	2388.18	1475441	251.3388 ng/ml
Oxazepam	5.749	1951253	23468.16	72.9	18614.01	325208	258.1466 ng/ml
Oxycodone	2.827	3103264	17082.85	27.0	1743.29	558070	247.6600 ng/ml
Oxymorphone	1.391	1294177	∞	40.7	433.20	190472	247.0610 ng/ml
Phentermine	3.783	1031274	8401.35	4.3	355.97	536991	240.9755 ng/ml
Promethazine	5.525	3345665	1599.11	28.3	819.97	564014	247.0297 ng/ml
Pseudoephedrine	2.596	6744015	20779.62	16.0	40925.37	1243699	247.9392 ng/ml
Quetiapine	5.507	2548600	163567.00	59.2	58439.83	142917	256.8373 ng/ml
Sertraline	5.762	720820	1002.63	99.3	838.14	135543	252.9430 ng/ml
Temazepam	5.823	4179915	1255.60	28.9	15296.64	814184	241.6480 ng/ml
Tramadol	4.239	5882194	152350.41	3.6	494.92	1152898	260.8447 ng/ml
Trazodone	5.054	2418043	73173.57	79.6	138899.69	432770	244.9049 ng/ml
Venlafaxine	5.037	4825009	72155.19	39.6	1114.81	969602	250.2177 ng/ml
Zolpidem	4.826	7699585	10170.41	29.9	3652.22	1463527	263.8459 ng/ml

AM #28 Multi-Drug Quant. Results

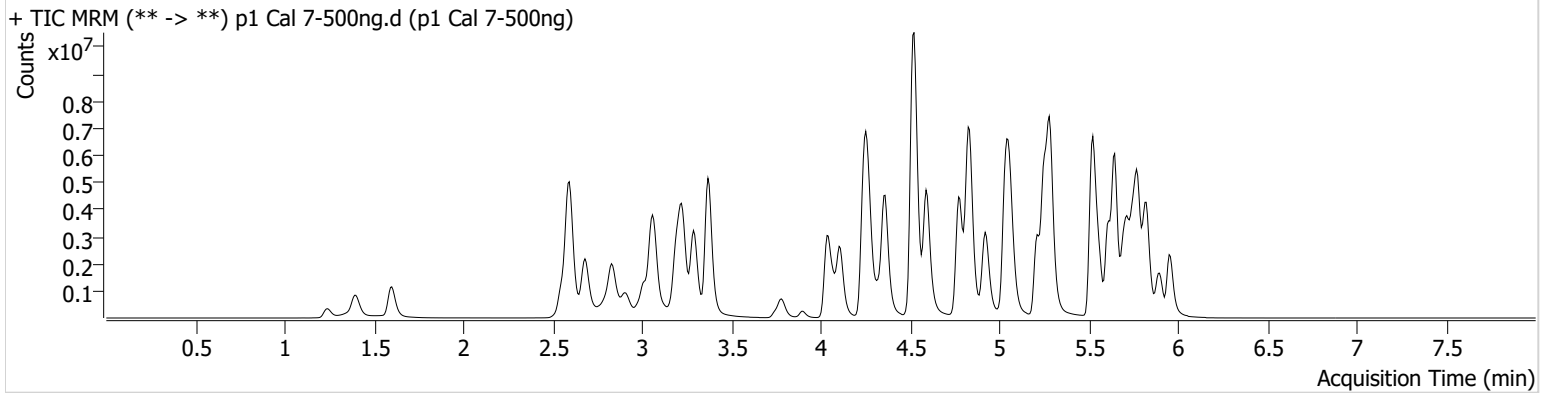
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Instrument	Instrument 1	Data File	p1 Cal 7-500ng.d
Type	Cal	Sample	p1 Cal 7-500ng
Acq. Method	AM 28 MDQ P1.m	Operator	Sarah Collins
Sample Position	P2-G1	Comment	
Injection Volume	2		
Acq. Date-Time	3/9/2021 10:10:10 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	168042	6342.22	70.6	3984.41	80594	51.2945 ng/ml
7-aminoclonazepam	4.271	1787367	442394.77	82.0	212501.39	135446	488.7144 ng/ml
a-hydroxyalprazolam	5.685	577157	7278.92	59.8	447.81	270602	274.8679 ng/ml
alpha-PHP	4.923	1827161	1387.98	271.3	268394.52	628366	492.1887 ng/ml
alpha-PVP	4.363	7385824	473729.10	51.6	41497.41	628366	504.8935 ng/ml
Alprazolam	5.775	3802489	2440.82	116.0	2008.66	270602	496.0530 ng/ml
Amphetamine	3.063	8179954	7341.53	48.4	4218.18	221256	414.3065 ng/ml
Benzoylecgonine	3.899	282530	1353.61	7.7	84006.27	20641	508.5577 ng/ml
Buprenorphine	5.677	113416	2393.68	14.0	3728.42	73297	49.8210 ng/ml
Bupropion	4.774	7350791	3262.07	60.5	85412.22	528007	496.8229 ng/ml
Carisoprodol	5.724	2467681	105533.36	52.9	9474.00	224967	519.1539 ng/ml
Citalopram	5.212	3883034	9974.94	43.2	697.84	347568	494.4027 ng/ml
Clonazepam	5.612	3536331	34109.89	32.2	36170.78	98443	463.9232 ng/ml
Clonazepam	5.555	3037195	1004659.25	37.5	706007.34	98443	516.8904 ng/ml
Cocaine	4.257	5052241	98636.80	50.1	989.44	911410	503.2412 ng/ml
Codeine	2.566	492270	665.39	101.6	40041.53	64995	414.6785 ng/ml
Cyclobenzaprine	5.615	3359088	36122.03	8.7	3515.17	253166	514.2445 ng/ml
Dextromethorphan	5.262	1874670	68056.56	79.5	1110.90	176457	500.0732 ng/ml
Dextrophan	4.111	1894447	981.67	208.9	157886.11	457269	499.7817 ng/ml
Diazepam	5.960	2933721	∞	87.0	25741.40	284641	491.0161 ng/ml
Dihydrocodeine	2.545	1657071	363.59	64.2	995.50	246079	420.6254 ng/ml
Diphenhydramine	5.289	10190856	2757.35	33.2	1844.11	1184775	514.7262 ng/ml
Doxylamine	4.522	15458848	25035.29	96.9	663348.57	1392909	496.6005 ng/ml
EDDP	5.254	7042969	156025.24	41.2	574479.62	692592	510.5986 ng/ml
Etizolam	5.813	2561677	14357.70	25.3	19760.15	98443	531.7582 ng/ml
Fentanyl	5.082	375088	17406.63	71.1	437575.55	304579	52.7329 ng/ml
Flualprazolam	5.705	1594482	28410.18	104.3	196671.86	270602	483.2856 ng/ml
Fluoxetine	5.700	2360090	38191.91	8.7	575564.42	211875	471.5808 ng/ml
Hydrocodone	3.012	2585312	587.60	38.3	272.39	702007	471.0153 ng/ml
Hydromorphone	1.601	2206859	10942593.23	75.6	4048.29	8787	472.4332 ng/ml
Ketamine	4.037	5581820	223369.15	38.2	27622.69	552992	492.2316 ng/ml
Lamotrigine	4.273	337354	12031.39	82.1	5044.52	552992	319.5628 ng/ml
Levetiracetam	2.683	2267813	1731.74	166.5	7756.62	1093294	480.7969 ng/ml

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AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.740	1337478	27270.11	55.7	16831.03	98443	204.4955 ng/ml
MDA	3.196	5235635	2875.78	23.0	2772.65	337077	423.6319 ng/ml
MDMA	3.290	4905181	3881.85	76.1	3122.35	93844	504.0498 ng/ml
Meprobamate	4.924	1479583	1576877.22	27.3	11502.28	221180	335.2049 ng/ml
Methadone	5.646	7988214	69607.29	44.8	2263.69	682988	508.0733 ng/ml
Methamphetamine	3.231	6808404	2706.06	37.7	13419.47	641855	466.2981 ng/ml
Metoprolol	4.326	1151919	451687.97	89.7	39199.73	1144911	481.6549 ng/ml
Mirtazapine	4.590	7926993	206363.41	47.4	275467.36	628366	527.9668 ng/ml
Mitragynine	5.210	1415623	10519.75	39.4	29815.06	682988	492.4373 ng/ml
Morphine	1.240	351259	11032.69	28.6	∞	8787	492.3405 ng/ml
Norbuprenorphine	4.986	15094	4890.65	93.6	23905.91	14181	48.5199 ng/ml
Nordiazepam	5.900	2421086	674.98	57.6	3448.41	170790	484.0843 ng/ml
Norfentanyl	4.079	1293194	64903.69	33.6	12573.81	1026229	51.2583 ng/ml
Norhydrocodone	3.059	305849	1122.42	42.1	539.69	52457	532.1943 ng/ml
Noroxycodone	2.909	2073378	899.76	41.7	3310.36	125129	562.4573 ng/ml
O-desmethyl-tramadol	3.369	11970435	172352.84	6.7	1621.71	1391403	513.3353 ng/ml
Oxazepam	5.749	1940073	2972.61	75.0	8385.74	181195	461.2192 ng/ml
Oxycodone	2.827	6019451	2922.85	26.6	2168.10	556485	482.0537 ng/ml
Oxymorphone	1.398	2246570	∞	42.1	∞	166078	492.0753 ng/ml
Phentermine	3.783	1917827	964.33	4.2	177.91	575834	418.3182 ng/ml
Promethazine	5.525	7033642	10008.98	28.1	3512.37	574130	509.9312 ng/ml
Pseudoephedrine	2.596	12406906	146927.86	16.0	120063.16	1093294	518.4606 ng/ml
Quetiapine	5.507	5225565	83255.32	58.6	1014.94	157079	479.5565 ng/ml
Sertraline	5.762	1267387	11825.99	100.3	54984.40	120181	501.1718 ng/ml
Temazepam	5.823	5564687	40125.60	28.5	818.93	524829	498.6188 ng/ml
Tramadol	4.239	10849689	5336.94	3.6	1077.90	1144911	484.8637 ng/ml
Trazodone	5.054	4789624	147750.16	80.9	104230.11	462682	454.0171 ng/ml
Venlafaxine	5.037	9634634	241429.28	39.9	51576.35	951117	509.1236 ng/ml
Zolpidem	4.833	14331498	30991.42	31.2	170495.54	1473482	488.1518 ng/ml

AM #28 Multi-Drug Quant. Results

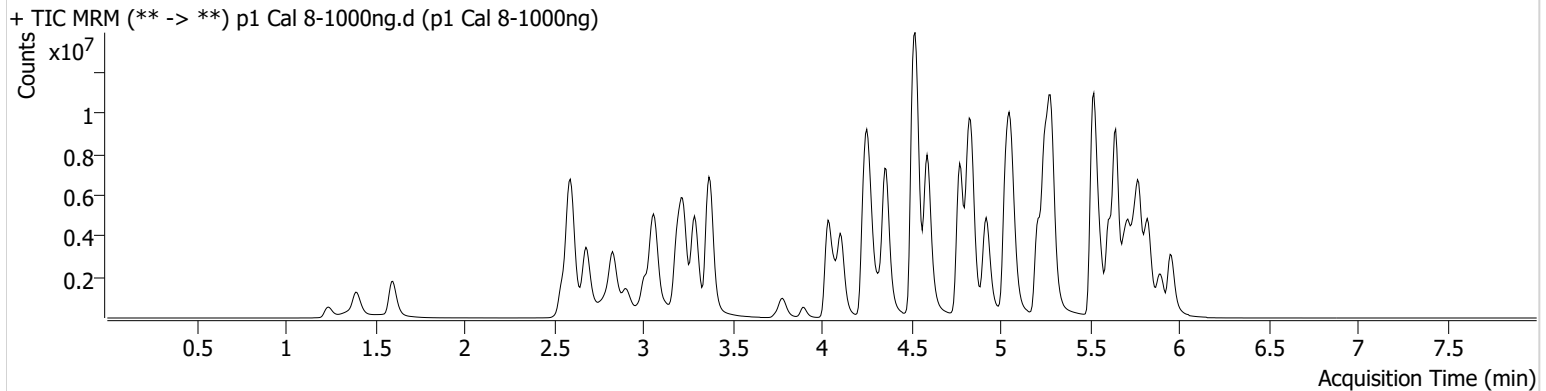
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Batch results D:\MassHunter\Data\2021\AM 25-26\030821 AM 25 26 SAEC\QuantResults\AM 28.batch.bin
Calibration Last Update 3/10/2021 11:28:47 AM

Instrument	Instrument 1	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	3/9/2021 10:20:45 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	320061	20688.40	70.5	1831.90	74905	105.1100 ng/ml
7-aminoclonazepam	4.278	2060167	17400.12	80.4	1768.05	75992	1004.0947 ng/ml
a-hydroxyalprazolam	5.685	654674	136.73	59.2	340.09	189679	444.9936 ng/ml
alpha-PHP	4.923	3178556	19338.93	272.1	209857.11	540451	995.3370 ng/ml
alpha-PVP	4.363	12826073	356172.46	52.9	3072.36	540451	1019.1840 ng/ml
Alprazolam	5.775	5298180	1368.62	113.3	15036.19	189679	985.8734 ng/ml
Amphetamine	3.063	11315146	5096.69	49.0	2164.03	174338	728.0049 ng/ml
Benzoylcegonine	3.899	599697	5095.93	7.8	8284.39	21970	1014.1980 ng/ml
Buprenorphine	5.677	196608	358398.03	14.1	4511.87	55507	113.4935 ng/ml
Bupropion	4.774	12926177	418368.86	61.3	82294.36	479660	961.7928 ng/ml
Carisoprodol	5.724	3047476	196303.69	53.4	24529.31	133576	1079.2773 ng/ml
Citalopram	5.212	6372179	1333.38	42.3	2652.92	270195	1043.3917 ng/ml
Clonazepam	5.618	3812501	57546.61	32.3	26192.11	60804	810.3784 ng/ml
Clonazepam	5.555	3893427	122229.44	37.1	143579.16	60804	1072.1459 ng/ml
Cocaine	4.257	8004028	152072.47	50.4	3904.02	696501	1043.0049 ng/ml
Codeine	2.566	708224	1400.17	98.8	10396.96	53742	722.1765 ng/ml
Cyclobenzaprine	5.608	6103054	2582.50	8.8	2517.66	228234	1036.1110 ng/ml
Dextromethorphan	5.262	2814684	1269.12	78.7	32043.83	132992	996.1235 ng/ml
Dextrophan	4.105	3197713	6065.70	209.4	956.33	374352	1030.3045 ng/ml
Diazepam	5.960	4323440	555.96	87.9	567.60	214884	958.6995 ng/ml
Dihydrocodeine	2.545	2664949	2911.38	64.2	∞	237038	702.4948 ng/ml
Diphenhydramine	5.289	15969893	2409.77	35.3	3193.76	959146	996.2215 ng/ml
Doxylamine	4.522	23476738	14238.91	97.9	13717.52	1304546	805.3992 ng/ml
EDDP	5.254	12535169	1250.72	42.2	836.24	617763	1018.5993 ng/ml
Etizolam	5.813	3915753	13081.84	25.1	3408.71	60804	1312.4919 ng/ml
Fentanyl	5.082	724059	14671.41	73.0	1698772.86	268516	115.3788 ng/ml
Flualprazolam	5.705	2137879	16601.95	101.7	13526.08	189679	924.6318 ng/ml
Fluoxetine	5.700	3567956	56990.52	8.5	9350.00	157155	961.2887 ng/ml
Hydrocodone	3.012	4419670	476.27	37.0	439.30	652911	866.2581 ng/ml
Hydromorphone	1.601	3681699	2612012.33	76.5	9404378.00	7490	924.8413 ng/ml
Ketamine	4.037	9721742	345611.03	37.2	34787.05	510601	928.8113 ng/ml
Lamotrigine	4.280	421503	8574.73	80.1	1109.35	510601	433.2684 ng/ml
Levetiracetam	2.683	3660925	9477.14	166.2	2166.27	814618	1040.9547 ng/ml

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AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.740	1353814	41541.13	55.8	1029.05	60804	335.8426 ng/ml
MDA	3.196	7578430	4281.94	22.4	9614.49	272596	758.8116 ng/ml
MDMA	3.290	7943611	33444.15	76.3	4457.30	79512	963.5143 ng/ml
Meprobamate	4.931	1780681	62456.81	27.5	3746.30	174785	510.8985 ng/ml
Methadone	5.646	13277397	112649.43	48.4	60700.30	576043	1000.8868 ng/ml
Methamphetamine	3.224	10050979	1844.36	37.2	39081.82	528805	836.2365 ng/ml
Metoprolol	4.326	1741831	4988407.50	91.1	1510.44	962508	866.4691 ng/ml
Mirtazapine	4.590	13977834	331825.21	49.1	171421.17	540451	1081.3614 ng/ml
Mitragynine	5.210	2382081	58927.12	39.6	1323.93	576043	982.5952 ng/ml
Morphine	1.240	584352	10827.81	28.8	9011.94	7490	960.8716 ng/ml
Norbuprenorphine	4.986	27183	16683.51	99.8	9408.91	12571	98.4332 ng/ml
Nordiazepam	5.900	3200117	29972.83	58.0	4410.89	118194	924.7430 ng/ml
Norfentanyl	4.079	2281042	84332.22	33.9	3349.75	837679	110.7123 ng/ml
Norhydrocodone	3.059	561165	∞	42.0	∞	43841	1167.8129 ng/ml
Noroxycodone	2.903	3023946	2145.37	43.2	14783.91	112591	911.6954 ng/ml
O-desmethyl-tramadol	3.369	18864992	105521.82	7.1	26445.53	1162860	967.9037 ng/ml
Oxazepam	5.749	1718727	7976.59	74.4	6068.14	86242	859.0722 ng/ml
Oxycodone	2.827	10603806	31313.99	26.4	4227.30	506352	933.5492 ng/ml
Oxymorphone	1.391	3820358	250.09	41.8	211.43	146857	946.5017 ng/ml
Phentermine	3.783	2896465	334.25	4.2	662.51	505907	719.5086 ng/ml
Promethazine	5.532	12732345	3999.66	29.7	3423.40	531423	997.0369 ng/ml
Pseudoephedrine	2.596	18970544	171787.25	16.4	101884.16	814618	1063.5288 ng/ml
Quetiapine	5.507	8715297	217203.12	60.6	131751.11	151328	830.5693 ng/ml
Sertraline	5.762	1954843	944.29	99.7	57262.67	91242	1017.7548 ng/ml
Temazepam	5.830	6332033	53665.16	29.0	4746.31	271479	1096.3533 ng/ml
Tramadol	4.239	16263220	1100.92	3.8	2476.45	962508	864.8699 ng/ml
Trazodone	5.060	8488263	91773.78	79.7	100092.79	463266	803.8511 ng/ml
Venlafaxine	5.037	15672700	419778.81	40.6	31192.23	782695	1006.1937 ng/ml
Zolpidem	4.833	21949276	307777.61	34.7	5982.29	1320657	834.4432 ng/ml