

REVIEWED

By Sarah Collins at 2:50 pm, Apr 27, 2021

TS

4/14/2021

Worklist: 4905

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2021-1319	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2021-1475	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0789	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0874	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0885	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0945	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-0968	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1031	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1032	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1048	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1049	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1086	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2021-1094	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

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

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Extraction Date: 4/15/2021

Analyst: Tamara Salazar – HOA Amber Gerheart

Plate lot#: 201207

Plate Expiration: 6/7/2021

Mobile phase A: 5mM Amm Form + 0.01% FA **Mobile phase B:** 0.01% Formic Acid in MeOH

Blank Blood Lot: 20L20724

Blank Urine Lot: N/A

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.
- 3. Create worklist

Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Urine hydrolysis pipette 250 ul urine in blank well, add 40 ul BG Turbo, add 100 ul 500 mM sodium phosphate buffer, mix for at least 5 minutes at ambient temperature. Pipette **250µL blood (calibrated pipette) or 250µL hydrolyzed urine** in wells of analytical (standards) plate. **Pipette ID: 42**
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 4. Pipette **250µL 0.5M ammonium hydroxide** in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **300µL of blood+base/urine+base** mixture to corresponding wells of SLE+ plate.
- 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent). *(Load at 85-100 PSI- Selector to the right)*
- 8. Wait 5 minutes.
- 9. Add **900uL ethyl acetate**.
- 10. Wait 5 minutes.
- 11. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.
- 12. Add **900uL ethyl acetate**.
- 13. Wait 5 minutes.
- 14. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.
- 15. Remove plate containing eluate. **If run contains urine, add 50µL 1% HCl in MeOH to wells and place plate cover on plate before drying (optional).** Place on SPE Dry and evaporate to dryness at approx. 35°C.
- 16. Reconstitute in **100µL 20% MeOH** and heat seal plate with foil.

Post-Analytic

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

COMMENTS: *Curve ranges:* Alpha-hydroxyalprazolam 5-250 ng/mL, Benzoylcegonine 10-1000 ng/mL, Buprenorphine 2.5-100 ng/mL, Codeine 5-500 ng/mL, Dihydrocodeine 5-500 ng/mL, Fentanyl 1-100 ng/mL, Lamotrigine 5-250 ng/mL, Lorazepam 5-100 ng/mL, Meprobamate 5-250 ng/mL, Mitragynine 5-250 ng/mL, Norbuprenorphine 2.5-100 ng/mL

Fluoxetine not evaluated due to variability in internal standard response.

Sertraline not evaluated due to variability in internal standard response.

Cyclobenzaprine not evaluated due to background noise

Alpha-hydroxyalprazolam evaluated qualitatively

Hydromorphone evaluated qualitatively

Mirtazapine not evaluated

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	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1	P2021-0789-1	P2021-1049-1	IS + Cal. 1	IS + QC_1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Cal. 8
B	IS + Cal. 2	IS + QC_2	P2021-0874-1	P2021-1086-1	IS + Cal. 2	IS + QC_2	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Cal. 7
C	IS + Cal. 3	IS + QC_3	P2021-0885-1	P2021-1094-1	IS + Cal. 3	IS + QC_3	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Cal. 6
D	IS + Cal. 4	IS + QC_4	P2021-0945-1	IS + Sample	IS + Cal. 4	IS + QC_4	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + QC_2	IS + Cal. 5
E	IS + Cal. 5	IS + QC_2	P2021-0968-1	IS + Sample	IS + Cal. 5	IS + QC_2	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + QC_4	IS + Cal. 4
F	IS + Cal. 6	Negative Blood	P2021-1031-1	IS + Sample	IS + Cal. 6	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + QC_3	IS + Cal. 3
G	IS + Cal. 7	M2021-1319-2	P2021-1032-1	IS + Sample	IS + Cal. 7	P2021-0579-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + QC_2	IS + Cal. 2
H	IS + Cal. 8	M2021-1475-2	P2021-1048-1	IS + Sample	IS + Cal. 8	P2021-0577-1	IS + Sample	IS + Sample	IS + Sample	IS + Sample	IS + QC_1	IS + Cal. 1

All wells to contain 60 µl of Trapping Solution

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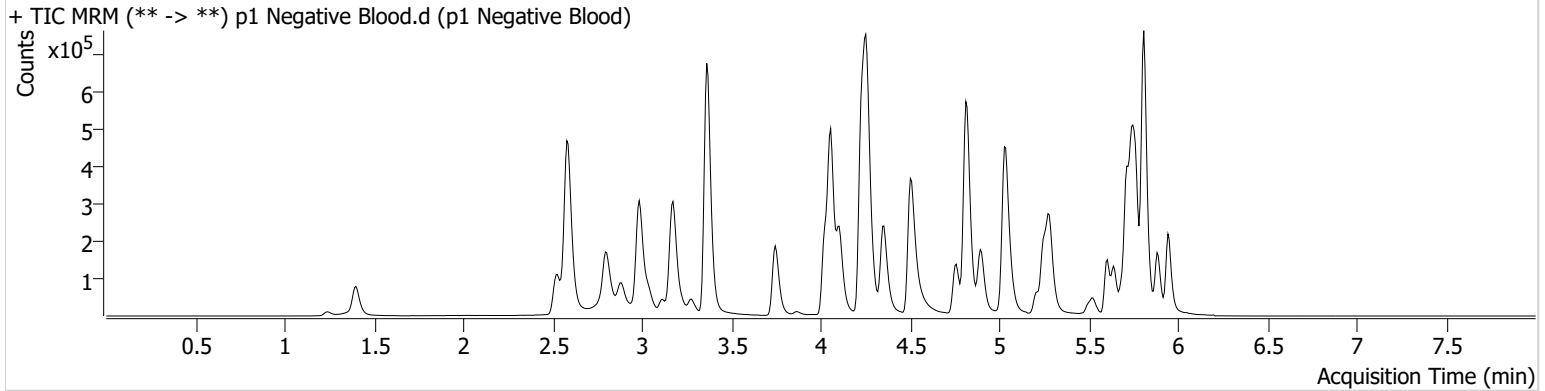


AM #28 Multi-Drug Quant. Results

Batch results G:\TOX\Pocatello\Falco\2021\AM 27-28\04152021 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
Calibration Last Update 4/20/2021 3:17:55 PM

Instrument	Instrument 1	Data File	p1 Negative Blood.d
Type	Sample	Sample	p1 Negative Blood
Acq. Method	AM 28 MDQ P1.m	Operator	Tamara Salazar
Sample Position	P6-F2	Comment	
Injection Volume	2		
Acq. Date-Time	4/15/2021 9:34:58 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
NE Cyclobenzaprine	5.608	2954	18.02	5.7 Low	0.88 Low	31254	3.9795 ng/ml
NE Fluoxetine	5.700	4828	138.42	9.5	2525.45	28250	6.3470 ng/ml

NE = not evaluated

AM #28 Multi-Drug Quant. Results

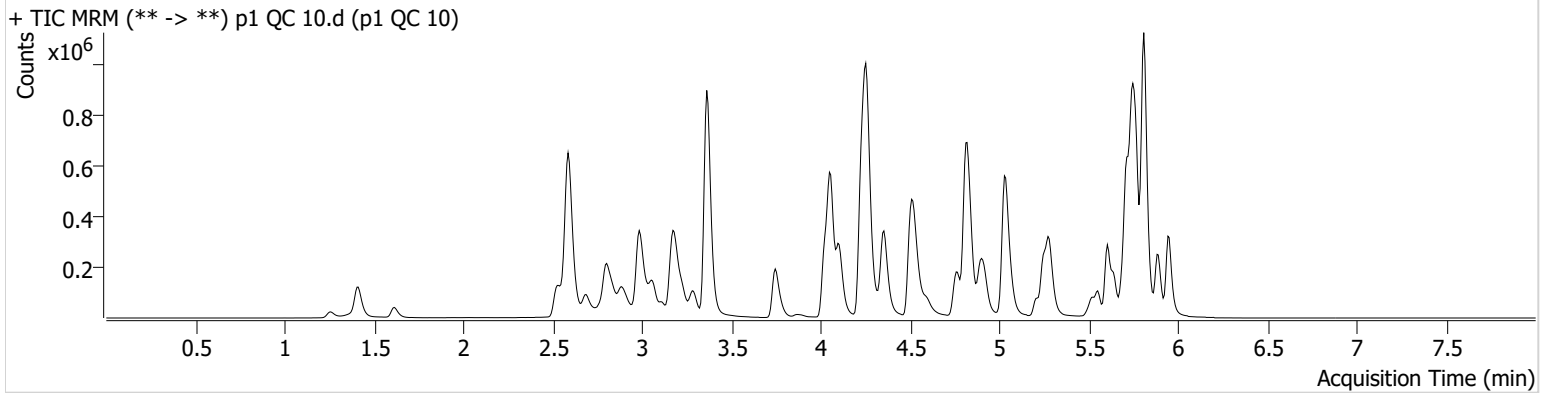
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Batch results G:\TOX\Pocatello\Falco\2021\AM 27-28\04152021 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
Calibration Last Update 4/20/2021 3:17:55 PM

Instrument	Instrument 1	Data File	p1 QC 10.d
Type	QC	Sample	p1 QC 10
Acq. Method	AM 28 MDQ P1.m	Operator	Tamara Salazar
Sample Position	P6-A2	Comment	
Injection Volume	2		
Acq. Date-Time	4/15/2021 8:31:18 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	3868	328.96	69.1	64.38	98873	1.0218 ng/ml
7-aminoclonazepam	4.265	85659	139.15	79.7	177.29	333256	9.6052 ng/ml
a-hydroxyalprazolam	5.692	52044	258.35	57.0	177.91	631897	10.3949 ng/ml
alpha-PHP	4.923	32259	728.06	260.0	1963.84	681543	9.3895 ng/ml
alpha-PVP	4.363	152478	428.20	51.8	274.71	681543	9.9090 ng/ml
Alprazolam	5.768	170545	563.74	113.2	2975.63	631897	9.8632 ng/ml
Amphetamine	3.063	180910	1868.15	47.5	665.00	204729	9.8563 ng/ml
Benzoylcegonine	3.892	6073	195.96	8.8	417.44	21465	9.9249 ng/ml
* Buprenorphine	5.683	800	21.89	17.4	201.24	28934	0.8139 ng/ml
Bupropion	4.774	106919	624.21	61.0	965.02	383749	9.9395 ng/ml
Carisoprodol	5.724	168164	247387.43	56.4	1542.51	861276	9.5844 ng/ml
Citalopram	5.212	30050	∞	44.3	108.98	139998	10.0589 ng/ml
Clonazepam	5.612	213182	4053.48	32.0	70546.48	250181	10.1944 ng/ml
Clonazepam	5.548	137280	7903.27	36.9	87243.77	250181	9.9110 ng/ml
Cocaine	4.257	137160	579.74	50.2	682.15	1279286	10.0903 ng/ml
Codeine	2.581		1261.82	103.9	493.29	102147	10.0751 ng/ml
NE Cyclobenzaprine	5.611	12834	262.49	9.8	9.52 Low	31993	11.6967 ng/ml
Dextromethorphan	5.255	12834	242.37	87.5	105.00	59472	10.3611 ng/ml
Dextrophan	4.105	39617	581.89	209.2	3813.08	482691	10.0848 ng/ml
Diazepam	5.953	105103	4427.31	87.4	809.81	499358	9.8803 ng/ml
Dihydrocodeine	2.559	51504	282.21	63.6	71.04	299600	10.2677 ng/ml
Diphenhydramine	5.282	80915	207.70	32.6	186.22	495318	9.8136 ng/ml
Doxylamine	4.522	293876	913.00	96.7	3087.68	1271771	10.1380 ng/ml
EDDP	5.254	84310	310.79	41.3	1712.51	432747	9.9302 ng/ml
Etizolam	5.813	99082	20000.14	25.1	41805.70	250181	9.7541 ng/ml
Fentanyl	5.082	1302	41.37	78.1	4101.09	53182	1.1590 ng/ml
Flualprazolam	5.698	79641	2406.49	95.3	13634.69	631897	9.9385 ng/ml
NE Fluoxetine	5.700	10105	330.00	8.6	31.18	30895	13.0807 ng/ml
Hydrocodone	3.012	71000	120.19	37.1	49.61	879682	9.8175 ng/ml
Hydromorphone	1.615	70710	6817.38	75.4	1430.13	13130	10.3691 ng/ml
Ketamine	4.037	138191	7093.02	37.9	269.81	667381	9.7596 ng/ml
Lamotrigine	4.267	14162	426.90	74.6	846.80	667381	10.2692 ng/ml
Levetiracetam	2.690	71943	1074.67	164.3	1239.42	1555063	9.6718 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	189640	1345.67	56.9	483.92	250181	10.5860 ng/ml
MDA	3.196	166408	882.38	25.5	370.21	446353	10.1858 ng/ml
MDMA	3.290	100521	1519.13	79.1	640.84	98660	10.0196 ng/ml
Meprobamate	4.924	102558	306.42	26.8	174.76	468311	10.2618 ng/ml
Methadone	5.646	41811	945.30	45.5	1206.52	187488	10.1587 ng/ml
Methamphetamine	3.231	126283	725.27	37.9	416.12	485540	8.7941 ng/ml
Metoprolol	4.319	30707	532.34	92.1	525.37	1505764	10.1512 ng/ml
NE Mirtazapine	4.597	59047	2299.19	49.0	196.33	681543	8.3552 ng/ml
Mitragynine	5.210	5617	67.65	36.8	3179.71	187488	10.8584 ng/ml
Morphine	1.261	10814	7469.45	29.6	418.25	13130	9.7284 ng/ml
* Norbuprenorphine	4.979	106	5.29 Low	92.9	330.62	5404	1.0219 ng/ml
Nordiazepam	5.893	101868	1281233.28	59.7	496.68	356525	9.6751 ng/ml
Norfentanyl	4.079	27782	1928.02	33.8	108.23	1211384	0.9897 ng/ml
Norhydrocodone	3.059	11240	97.86	41.0	62.41	107657	9.7260 ng/ml
Noroxycodone	2.909	79993	3678.42	43.3	215.34	283839	9.7862 ng/ml
O-desmethyl-tramadol	3.369	322899	10776.68	6.7	393.24	2037451	9.5897 ng/ml
Oxazepam	5.749	215748	2155.53	75.4	219.68	876352	9.8297 ng/ml
Oxycodone	2.834	151781	1863.02	27.2	725.77	689715	9.5506 ng/ml
Oxymorphone	1.412	83061	∞	42.2	1307.25	289715	10.2476 ng/ml
Phentermine	3.783	43248	170.46	5.0	81.73	524849	9.9930 ng/ml
Promethazine	5.525	20553	340.86	28.4	183.43	75536	11.7217 ng/ml
Pseudoephedrine	2.596	314094	1515.25	16.5	1036.62	1555063	9.5904 ng/ml
Quetiapine	5.514	41772	1169.83	57.3	1703.96	54858	10.4367 ng/ml
NE Sertraline	5.762	4544	26.04	105.7	600.89	17394	14.0167 ng/ml
Temazepam	5.816	365752	2269.89	28.7	245.88	1831862	9.6616 ng/ml
Tramadol	4.246	302529	1419.70	3.7	38.77	1505764	9.8869 ng/ml
Trazodone	5.060	28154	1554.86	85.6	430.64	113333	10.2487 ng/ml
Venlafaxine	5.037	221559	747.82	40.4	532.99	1142263	9.9491 ng/ml
Zolpidem	4.833	341740	1446.05	31.0	2530.56	1687225	9.8338 ng/ml

NE = not evaluated

*Outside curve range

AM #28 Multi-Drug Quant. Results



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Batch results G:\TOX\Pocatello\Falco\2021\AM 27-28\04152021 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
Calibration Last Update 4/20/2021 3:17:55 PM

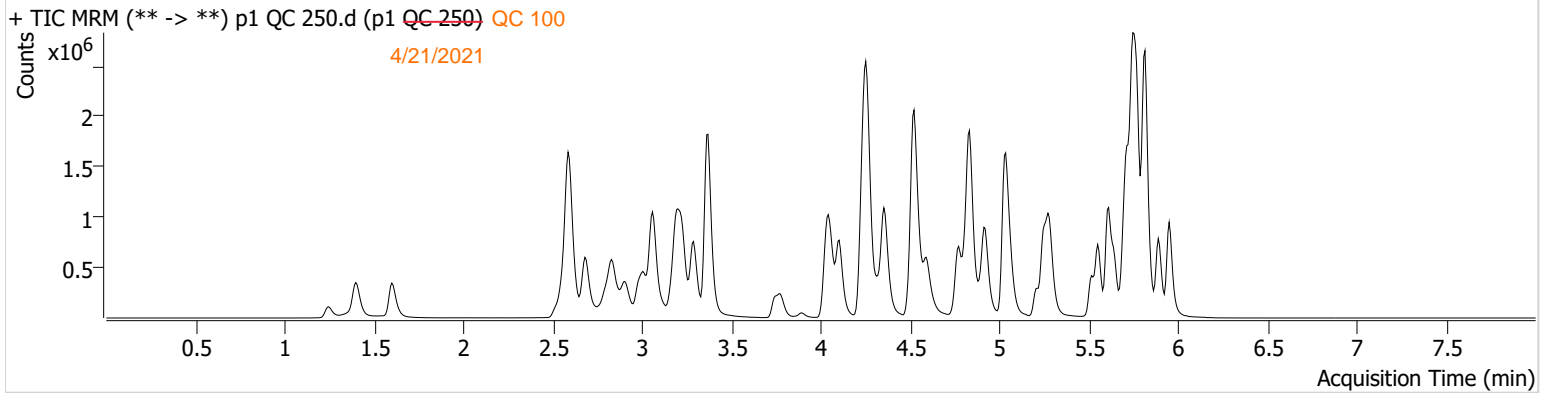
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Type QC
Acq. Method AM 28 MDQ P1.m
Sample Position P6-B2
Injection Volume 2
Acq. Date-Time 4/15/2021 8:52:31 PM
Sample Info.

Data File p1 QC 250.d
Sample p1 ~~QC 250~~ QC 100
Operator Tamara Salazar
Comment 4/21/2021

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Sample Chromatogram

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Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	34825	2871.88	72.7	1616.67	89031	9.8454 ng/ml
7-aminoclonazepam	4.265	613998	10185.57	80.3	13356.05	223292	102.3622 ng/ml
a-hydroxyalprazolam	5.692	363890	1991.03	57.8	346.59	471826	105.6986 ng/ml
alpha-PHP	4.923	331886	5734.15	267.6	10598.01	627662	103.6903 ng/ml
alpha-PVP	4.363	1453842	1915.99	52.0	781.42	627662	100.4074 ng/ml
Alprazolam	5.768	1387180	838.05	114.2	1880.65	471826	104.6061 ng/ml
Amphetamine	3.063	1901304	13675.33	48.7	1451.11	215045	108.7452 ng/ml
Benzoylecgonine	3.892	52823	2821.60	8.2	40.04	17831	104.3454 ng/ml
Buprenorphine	5.683	8780	197.80	16.6	1149.49	32818	10.8388 ng/ml
Bupropion	4.774	1045229	3216.37	61.0	22215.72	367786	101.2756 ng/ml
Carisoprodol	5.724	1242530	24692.92	54.9	8498.40	589768	101.5789 ng/ml
Citalopram	5.205	354032	7135.07	42.5	11246.49	160522	101.2464 ng/ml
Clonazepam	5.612	1677375	4080.73	32.2	14131.11	192998	108.3601 ng/ml
Clonazepam	5.549	1089198	126042.72	37.3	534548.69	192998	100.1282 ng/ml
Cocaine	4.257	1289580	34982.92	51.7	773.93	1159646	102.1800 ng/ml
Codeine	2.573	169940	6346.53	102.8	317.57	85343	104.6106 ng/ml
NE Cyclobenzaprine	5.608	58665	72509.20	8.2	48.49	22938	104.6367 ng/ml
Dextromethorphan	5.255	149253	608.80	80.0	950.73	68670	102.3298 ng/ml
Dextrophan	4.105	419207	36874.74	202.8	1491.42	477356	104.3963 ng/ml
Diazepam	5.953	869030	909.60	89.1	7607.74	397598	101.7494 ng/ml
Dihydrocodeine	2.552	459368	1288.76	63.7	979.63	265169	107.7409 ng/ml
Diphenhydramine	5.282	972105	583.83	32.9	1501.80	568555	100.1614 ng/ml
Doxylamine	4.523	2986859	18932.99	98.4	59562.46	1259022	102.8097 ng/ml
EDDP	5.254	986314	23749.08	42.4	13651.75	500853	99.2806 ng/ml
Etizolam	5.813	797880	6560.11	25.5	289003.89	192998	96.7870 ng/ml
Fentanyl	5.082	11360	1748.01	68.5	15739.24	53249	9.7335 ng/ml
Flualprazolam	5.698	626238	13503.49	99.0	65096.71	471826	105.3508 ng/ml
NE Fluoxetine	5.700	33760	1240.36	9.1	2108.37	14050	102.5946 ng/ml
Hydrocodone	3.012	651719	∞	38.1	546.10	778106	106.7187 ng/ml
Hydromorphone	1.601	615477	24804.22	75.6	3067.21	11315	107.0980 ng/ml
Ketamine	4.037	1258393	∞	38.5	3504.53	589800	102.0070 ng/ml
Lamotrigine	4.267	114893	2639.32	80.5	5660.64	589800	93.6371 ng/ml
Levetiracetam	2.683	589796	784.26	166.1	10008.20	1346732	87.6206 ng/ml

p1 ~~QC 250~~ QC 100
4/21/2021

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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	1141552	2565.54	56.7	1525.31	192998	88.6766 ng/ml
MDA	3.196	1601358	5392.36	25.0	1191.58	427079	108.5729 ng/ml
MDMA	3.290	1041749	9892.96	80.0	7377.04	96743	104.8972 ng/ml
Meprobamate	4.917	780600	789.60	27.4	15187.00	375464	102.6173 ng/ml
Methadone	5.646	488716	12877.25	46.8	3039.21	228099	97.4733 ng/ml
Methamphetamine	3.231	1280621	1310.55	37.8	12156.23	518557	107.7863 ng/ml
Metoprolol	4.319	298813	71633.31	91.4	2963.96	1423950	104.3185 ng/ml
NE Mirtazapine	4.597	706034	1047.36	48.8	716.46	627662	89.1665 ng/ml
Mitragynine	5.210	58016	159.83	40.3	22116.04	228099	76.8871 ng/ml
Morphine	1.247	95563	21124.09	29.6	393.97	11315	100.8030 ng/ml
Norbuprenorphine	4.979	1447	1722.84	87.6	4601.88	6322	11.0753 ng/ml
Nordiazepam	5.893	862554	26375.28	58.0	3954.85	282268	104.6408 ng/ml
Norfentanyl	4.079	258981	10597.01	34.2	697.94	1082871	9.7560 ng/ml
Norhydrocodone	3.060	90381	∞	41.4	202.68	82059	95.9582 ng/ml
Noroxycodone	2.903	702339	2201.10	41.7	1164.38	233483	105.7360 ng/ml
O-desmethyl-tramadol	3.369	2964936	66364.77	6.8	7294.48	1745383	100.8869 ng/ml
Oxazepam	5.749	1519175	11167.25	74.0	4641.06	583888	105.9765 ng/ml
Oxycodone	2.827	1432999	1511.35	26.9	2106.82	601756	104.5839 ng/ml
Oxymorphone	1.398	681969	∞	41.7	∞	243691	102.9503 ng/ml
Phentermine	3.783	461392	4393.09	4.7	415.74	543893	107.9108 ng/ml
Promethazine	5.525	132288	420.17	27.9	2412.27	54814	101.3521 ng/ml
Pseudoephedrine	2.596	2881257	1135.49	16.7	170084.65	1346732	97.3676 ng/ml
Quetiapine	5.514	491017	20832.53	57.8	1441515.54	64775	104.4310 ng/ml
NE Sertraline	5.762	13223	95.25	100.3	147.39	5989	107.1032 ng/ml
Temazepam	5.816	2778886	53511.21	28.4	887.28	1293898	100.2815 ng/ml
Tramadol	4.239	2925632	61242.99	3.7	1259.38	1423950	103.6279 ng/ml
Trazodone	5.061	310249	53928.32	78.9	475100.17	122777	102.3011 ng/ml
Venlafaxine	5.037	2291740	3063.00	39.6	997.65	1113247	101.4461 ng/ml
Zolpidem	4.833	3181212	6357.96	30.4	6344.25	1499981	104.7539 ng/ml

NE = not evaluated

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AM #28 Multi-Drug Quant. Results



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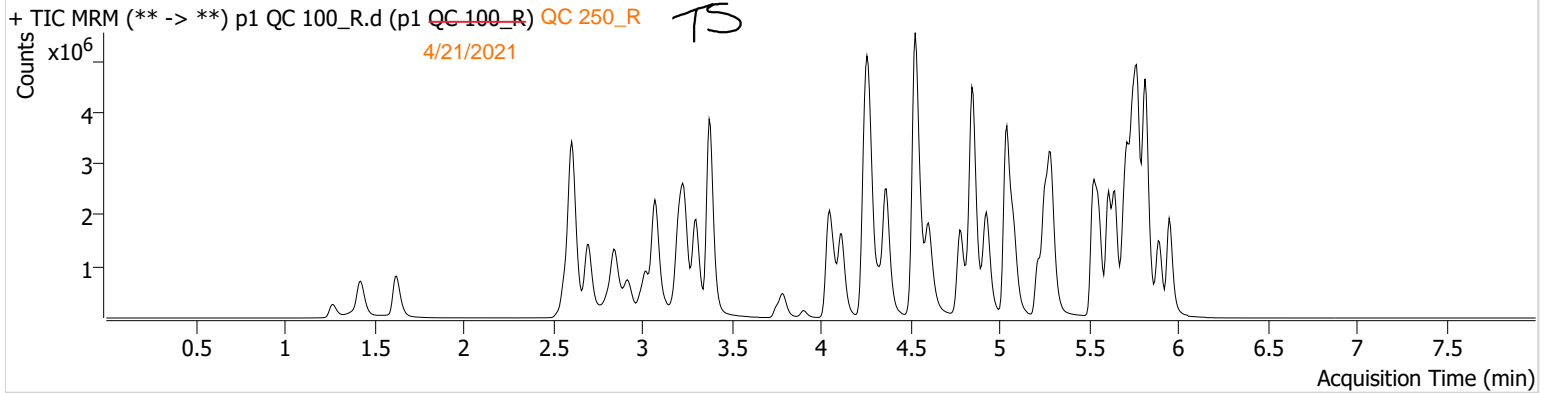
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Calibration Last Update 4/20/2021 3:17:55 PM

Instrument Instrument 1
Type QC
Acq. Method AM 28 MDQ P1.m
Sample Position P6-C2
Injection Volume 2
Acq. Date-Time 4/16/2021 12:21:32 PM
Sample Info.

Data File p1 QC 100_R.d
Sample p1 ~~QC 100_R~~ QC 250_R
Operator Tamara Salazar
Comment Reinjected due to incorrect plate well position.
 4/21/2021

TS

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.138	97047	3163.04	69.8	412.05	101264	24.0616 ng/ml
7-aminoclonazepam	4.278	1432639	16588.24	81.9	17124.37	226818	235.0760 ng/ml
a-hydroxyalprazolam	5.692	604621	1910.23	57.6	1182.95	442423	188.0669 ng/ml
alpha-PHP	4.930	905480	34738.91	266.3	95235.87	675655	262.6209 ng/ml
alpha-PVP	4.370	3876848	10150.30	52.6	3226.39	675655	248.3855 ng/ml
Alprazolam	5.775	3174197	∞	111.1	18362.77	442423	254.8586 ng/ml
Amphetamine	3.076	4420955	813.74	49.0	1423.28	227107	240.7787 ng/ml
Benzoylecgonine	3.906	153213	343.32	8.3	807.67	20836	259.0771 ng/ml
Buprenorphine	5.697	33340	1866.21	13.0	7101.61	54794	25.0873 ng/ml
Bupropion	4.781	2750442	249837.91	60.6	20458.68	399576	245.2800 ng/ml
Carisoprodol	5.724	2440243	2339465.78	55.7	27272.54	469167	250.4987 ng/ml
Citalopram	5.219	1520373	26750.67	42.4	800601.19	282001	247.1688 ng/ml
Clonazepam	5.612	3044461	51035.09	32.7	48822.80	162605	233.9867 ng/ml
Clonazepam	5.555	2479350	7839.32	38.9	1442674.77	162605	270.1940 ng/ml
Cocaine	4.264	3145156	1169.65	52.1	4939276.36	1181881	244.1502 ng/ml
Codeine	2.587	391614	203.18	98.8	260.58	88114	233.9938 ng/ml
NE Cyclobenzaprine	5.615	1181462	72168.29	8.6	5687.91	190691	253.3171 ng/ml
Dextromethorphan	5.262	814261	26951.52	79.8	20911.43	156298	244.9657 ng/ml
Dextrophan	4.118	1089957	19453.08	211.1	∞	514391	251.3812 ng/ml
Diazepam	5.953	2108518	1277.32	88.4	13600.03	402274	243.8773 ng/ml
Dihydrocodeine	2.565	1151005	666.99	65.1	1133.11	297289	241.3726 ng/ml
Diphenhydramine	5.289	3982304	36307.36	33.3	4726.94	957113	243.3561 ng/ml
Doxylamine	4.529	8637272	459370.81	96.3	218269.31	1439920	259.7407 ng/ml
EDDP	5.261	2986148	3095.43	41.6	15781.24	608664	247.1604 ng/ml
Etizolam	5.813	1879451	11363.00	25.3	820485.81	162605	269.6440 ng/ml
Fentanyl	5.089	114623	7203.20	69.2	486757.72	209330	24.9082 ng/ml
Flualprazolam	5.705	1421295	22068.02	100.2	1020.27	442423	255.0953 ng/ml
NE Fluoxetine	5.700	1029787	58092.76	8.9	2320.28	176726	250.2574 ng/ml
Hydrocodone	3.025	1683957	514.42	37.7	344.28	862972	249.3161 ng/ml
Hydromorphone	1.628	1506716	3586807.84	76.4	22364.86	11564	256.9027 ng/ml
Ketamine	4.044	3367533	149230.56	36.6	19415.46	656372	245.5083 ng/ml
Lamotrigine	4.280	266270	3466.62	81.5	773.40	656372	194.9137 ng/ml
Levetiracetam	2.703	1483938	2745.37	164.1	7614.43	1372046	215.7046 ng/ml

p1 QC 100_R QC 250_R
 4/21/2021

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Generated at 3:34 PM on 4/20/2021

TS



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
* Lorazepam	5.740	1581403	41457.23	56.6	5513.58	162605	146.3812 ng/ml
MDA	3.209	3609177	13962.46	25.4	2477.19	444062	236.1353 ng/ml
MDMA	3.303	2745003	7283.57	82.1	23129.42	108428	246.4762 ng/ml
Meprobamate	4.931	1637130	105054.96	27.0	421.01	374468	216.4634 ng/ml
Methadone	5.646	2694695	1047.45	45.3	52044.23	472020	259.6937 ng/ml
Methamphetamine	3.238	3560780	1223.11	37.5	5904.58	594287	265.5868 ng/ml
Metoprolol	4.326	779939	3575593.32	90.0	20949.01	1499520	258.5393 ng/ml
NE Mirtazapine	4.604	2679986	8131.92	47.6	1411.04	675655	310.3484 ng/ml
Mitragynine	5.216	432956	20111.26	39.2	31045.41	472020	271.9505 ng/ml
Morphine	1.274	243307	2379.32	29.7	2240.40	11564	251.2958 ng/ml
Norbuprenorphine	4.992	5017	4935.91	99.6	8572.68	10270	23.5446 ng/ml
Nordiazepam	5.900	1927908	21513.18	57.7	65462.87	272901	242.0703 ng/ml
Norfentanyl	4.086	735416	70645.28	34.3	1313.08	1247193	23.9657 ng/ml
Norhydrocodone	3.073	220006	247.24	42.7	153.19	81344	234.6216 ng/ml
Noroxycodone	2.923	1570647	1796.06	42.6	31171.15	224753	245.8188 ng/ml
O-desmethyl-tramadol	3.376	7929153	316426.39	6.7	1736.11	1874701	250.9000 ng/ml
Oxazepam	5.749	2430696	16477.34	75.3	9903.79	391688	253.0707 ng/ml
Oxycodone	2.841	3718270	2533.50	26.8	3608.21	657675	248.4683 ng/ml
Oxymorphone	1.425	1704847	∞	42.7	∞	250238	251.1097 ng/ml
Phentermine	3.790	1150992	4030.37	4.9	1793.13	594139	247.1246 ng/ml
Promethazine	5.532	2602481	95711.52	28.1	1481.93	433891	251.3985 ng/ml
Pseudoephedrine	2.610	7445665	119526.18	16.1	175728.57	1372046	246.2973 ng/ml
Quetiapine	5.521	1919499	110959.63	59.8	1204571.39	111583	237.0668 ng/ml
NE Sertraline	5.769	535981	2584.45	99.6	321946.37	103141	250.0409 ng/ml
Temazepam	5.823	5635446	5747.77	27.5	2271.11	1044494	251.3607 ng/ml
Tramadol	4.246	7484580	1645.67	3.6	717.39	1499520	252.1394 ng/ml
Trazodone	5.081	1685751	10807.97	80.1	1469.54	263379	258.7933 ng/ml
Venlafaxine	5.043	6303463	91636.12	38.2	2457.25	1251244	247.6311 ng/ml
Zolpidem	4.846	8763802	23874039.88	29.3	10926.29	1708781	253.5874 ng/ml

*Outside curve range

NE = not evaluated

TS

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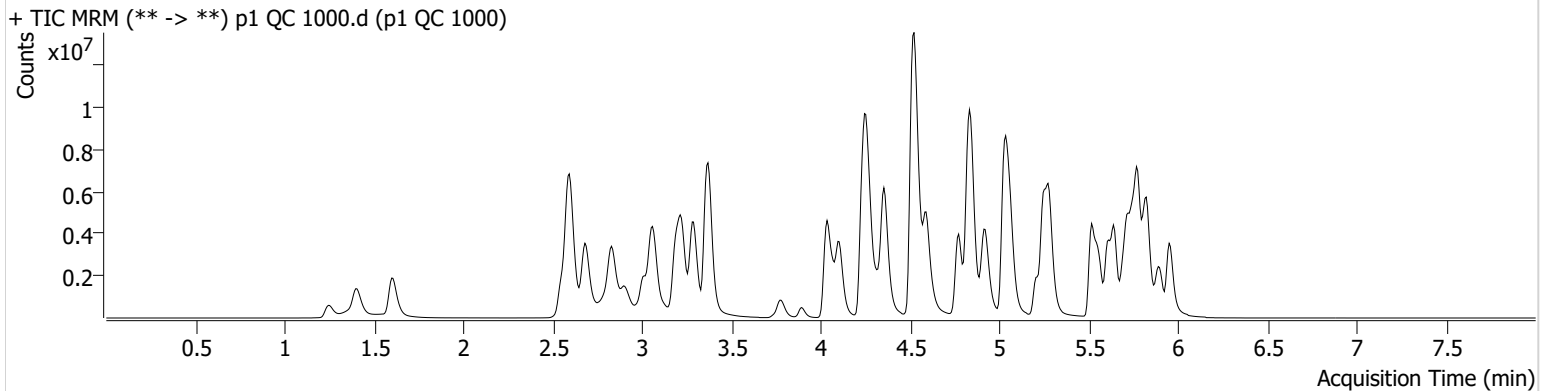


AM #28 Multi-Drug Quant. Results

Batch results G:\TOX\Pocatello\Falco\2021\AM 27-28\04152021 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
Calibration Last Update 4/20/2021 3:17:55 PM

Instrument	Instrument 1	Data File	p1 QC 1000.d
Type	QC	Sample	p1 QC 1000
Acq. Method	AM 28 MDQ P1.m	Operator	Tamara Salazar
Sample Position	P6-D2	Comment	
Injection Volume	2		
Acq. Date-Time	4/15/2021 9:13:45 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	309833	14641.76	69.8	3699.33	76308	101.8098 ng/ml
7-aminoclonazepam	4.271	2423518	26672.40	79.8	10053.29	90518	996.3256 ng/ml
* a-hydroxyalprazolam	5.685	905680	1084.84	59.0	169.16	242009	516.7403 ng/ml
alpha-PHP	4.923	2327747	6950.93	273.7	193684.67	436787	1043.9870 ng/ml
alpha-PVP	4.356	10452469	64978.45	51.5	146507.21	436787	1035.1700 ng/ml
Alprazolam	5.775	6681460	1005.32	113.4	5752.68	242009	979.8966 ng/ml
Amphetamine	3.063	9088949	86001.82	47.8	10557.65	130433	864.8042 ng/ml
Benzoylcegonine	3.892	572815	23790.60	7.8	234.82	19037	1060.2530 ng/ml
Buprenorphine	5.677	46901	76507.08	15.0	7862.20	20744	94.1456 ng/ml
Bupropion	4.774	6606447	2500.34	60.4	1231.36	241180	976.0464 ng/ml
Carisoprodol	5.724	4167272	458697.98	54.0	54441.25	183433	1093.5073 ng/ml
Citalopram	5.205	2846455	717.06	42.6	618.48	130145	1002.0014 ng/ml
Clonazepam	5.612	6592114	136645.41	31.4	38071.33	91498	901.7412 ng/ml
Clonazepam	5.555	5114983	122170.52	37.6	419844.56	91498	990.0960 ng/ml
Cocaine	4.257	8155028	11422.21	50.6	1101.09	719942	1038.3809 ng/ml
* Codeine	2.566	812181	802.45	97.0	33831.32	58339	733.8545 ng/ml
NE Cyclobenzaprine	5.608	900484	76154.32	8.5	252.08	36898	997.4621 ng/ml
Dextromethorphan	5.255	1154190	35910.07	78.9	447.41	53098	1021.3914 ng/ml
Dextrophan	4.105	2696879	7915846.45	211.3	51714.63	311509	1025.9726 ng/ml
Diazepam	5.953	4796320	46200.52	87.0	10218.71	229667	971.4145 ng/ml
* Dihydrocodeine	2.545	2868835	646.86	65.7	1181.32	245338	729.9557 ng/ml
Diphenhydramine	5.282	7990120	284947.25	32.1	578.16	465703	1002.6531 ng/ml
Doxylamine	4.522	24684341	269580.91	97.9	394745.11	1160499	920.6907 ng/ml
EDDP	5.248	9153599	364050.21	41.1	48004.59	445141	1035.5699 ng/ml
Etizolam	5.813	4316033	17644.64	25.2	15024.35	91498	1098.7991 ng/ml
Fentanyl	5.082	129747	509.83	71.3	111363.03	57275	102.8998 ng/ml
Flualprazolam	5.698	2756214	43576.02	101.7	257034.06	242009	904.5338 ng/ml
NE Fluoxetine	5.700	340793	6389.36	8.7	879.07	16538	887.6103 ng/ml
Hydrocodone	3.012	4462619	1434.92	39.0	738.69	647004	882.5561 ng/ml
Hydromorphone	1.601	3995272	11240133.23	77.2	6662038.76	8228	958.0708 ng/ml
Ketamine	4.037	9233995	239455.26	36.6	14002.20	475996	928.7375 ng/ml
* Lamotrigine	4.273	485405	2638.85	80.9	2058.29	475996	489.8534 ng/ml
Levetiracetam	2.683	3786559	16092.23	167.3	39044.24	787124	957.8292 ng/ml

TS



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
* Lorazepam	5.740	1731024	46360.83	55.6	3956.52	91498	285.5970 ng/ml
MDA	3.196	7331387	1620.06	23.6	1376.14	259256	823.2664 ng/ml
MDMA	3.290	7289140	490053.72	80.2	22449.73	70262	1009.6863 ng/ml
* Meprobamate	4.924	2805094	115153.39	26.6	12983.65	235327	591.2456 ng/ml
Methadone	5.646	4720639	105359.95	45.8	52232.54	209536	1024.7905 ng/ml
Methamphetamine	3.224	7095866	81895.12	37.3	49540.61	348041	910.5854 ng/ml
Metoprolol	4.319	1850670	1383384.62	90.4	69011.77	1012782	908.2672 ng/ml
NE Mirtazapine	4.590	6598360	13764.66	47.9	1724.63	436787	1177.4493 ng/ml
* Mitragynine	5.210	515256	2352.16	39.6	282717.27	209536	725.6367 ng/ml
Morphine	1.247	646029	∞	30.7	7513.39	8228	938.0318 ng/ml
Norbuprenorphine	4.979	8399	244.29	99.5	8061.31	4155	97.1842 ng/ml
Nordiazepam	5.900	3713084	559.45	58.2	14553.81	132136	963.2403 ng/ml
Norfentanyl	4.079	2225700	63006.50	34.3	1526.27	833642	108.3008 ng/ml
Norhydrocodone	3.059	582055	101.36	41.1	135.83	46522	1082.8254 ng/ml
Noroxycodone	2.903	3190919	1504.17	43.9	10434.75	116197	966.3572 ng/ml
O-desmethyl-tramadol	3.372	20152601	322243.99	7.1	2641.00	1263080	945.9258 ng/ml
Oxazepam	5.749	2532073	25442.51	74.0	69281.57	112390	919.3307 ng/ml
Oxycodone	2.827	11003781	7603.32	26.5	1761.37	508690	951.0265 ng/ml
Oxymorphone	1.398	4269213	2689.83	42.1	2017.46	164158	959.4955 ng/ml
Phentermine	3.783	2463345	655.59	4.6	813.96	379876	828.4806 ng/ml
Promethazine	5.525	1914341	3777.90	28.7	14954.39	83418	960.9246 ng/ml
Pseudoephedrine	2.596	18341886	225218.69	16.0	171194.72	787124	1056.1620 ng/ml
Quetiapine	5.514	5435445	113487.48	58.5	82594.62	72635	1031.4621 ng/ml
NE Sertraline	5.762	165695	597.08	103.2	13730.45	8217	965.8147 ng/ml
Temazepam	5.830	7958614	81766.90	28.2	8474.62	334083	1108.5591 ng/ml
Tramadol	4.239	17682059	3266.61	3.7	1572.75	1012782	882.6303 ng/ml
Trazodone	5.060	4051852	1017.85	79.6	1470.76	155349	1053.9420 ng/ml
Venlafaxine	5.030	17099112	2751.23	39.4	142995.79	823559	1019.2328 ng/ml
Zolpidem	4.841	22708103	418128.96	33.9	357192.01	1361089	825.3525 ng/ml

*Outside curve range

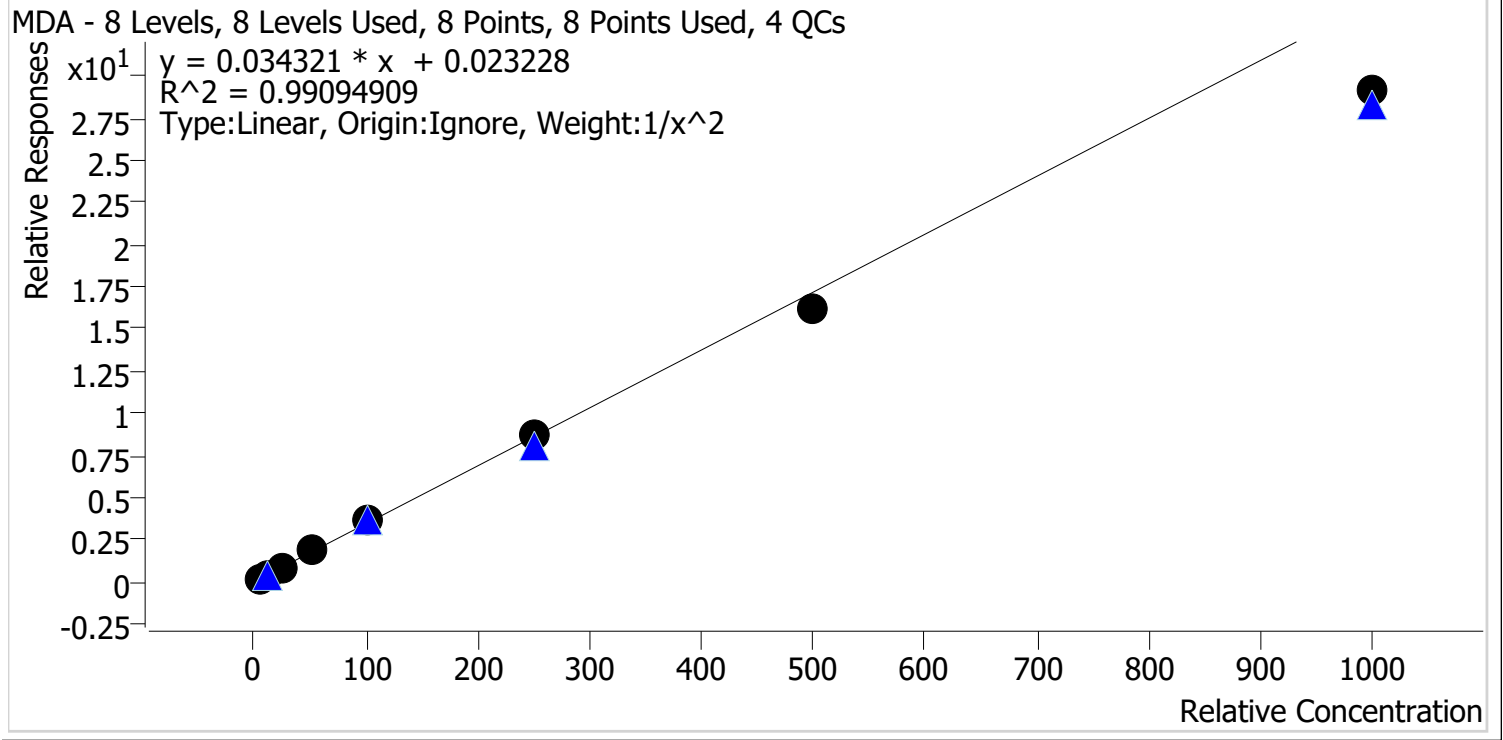
NE = not evaluated

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\041521 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
Last Cal. Update 4/20/2021 3:17 PM
Analyst Name ISP\Datastor
Analyte MDA **Internal Standard** MDA-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	102.3
p1 Cal 3 -25ng	3	✓	25.0	25.7	102.6
p1 Cal 4-50ng	4	✓	50.0	56.3	112.6
p1 Cal 5-100ng	5	✓	100.0	105.8	105.8
p1 Cal 6-250ng	6	✓	250.0	252.2	100.9
p1 Cal 7-500ng	7	✓	500.0	470.4	94.1
p1 Cal 8-1000ng	8	✓	1000.0	848.0	84.8

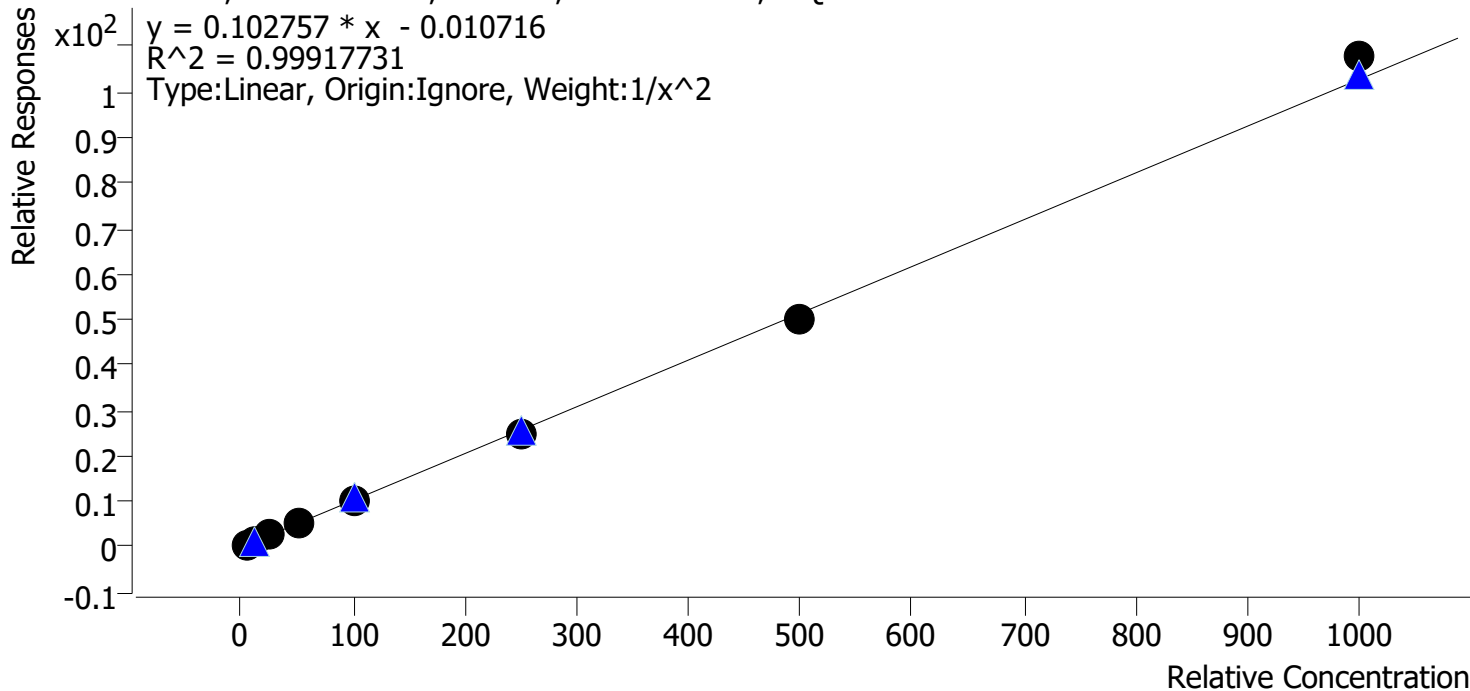
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\041521 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
Last Cal. Update 4/20/2021 3:17 PM
Analyst Name ISP\Datastor
Analyte MDMA **Internal Standard** MDMA-D6

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



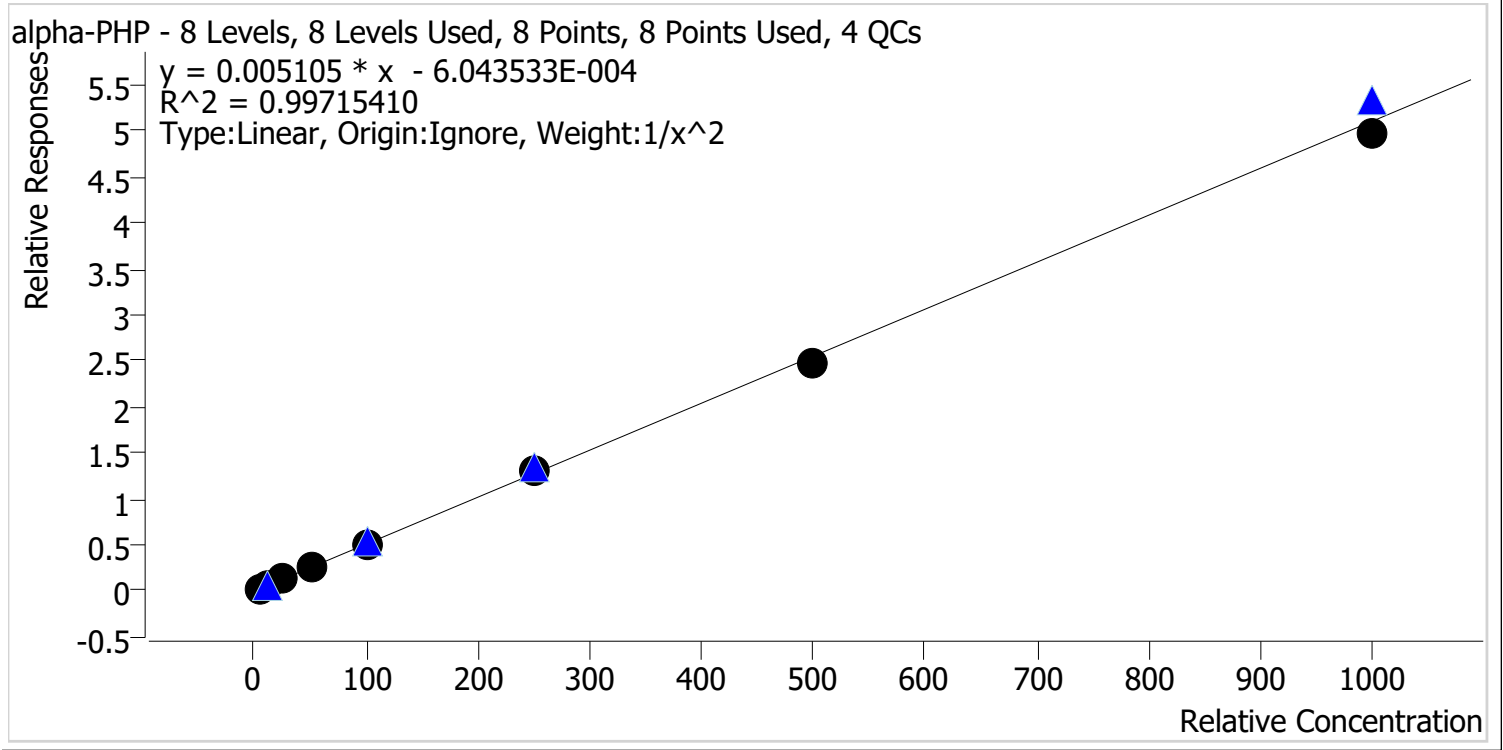
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.6
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.2
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.6
p1 Cal 4-50ng	4	✓	50.0	51.1	102.1
p1 Cal 5-100ng	5	✓	100.0	99.3	99.3
p1 Cal 6-250ng	6	✓	250.0	242.9	97.2
p1 Cal 7-500ng	7	✓	500.0	490.7	98.1
p1 Cal 8-1000ng	8	✓	1000.0	1048.9	104.9

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\041521 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
Last Cal. Update 4/20/2021 3:17 PM
Analyst Name ISP\Datastor
Analyte alpha-PHP **Internal Standard** alpha-PVP-d8



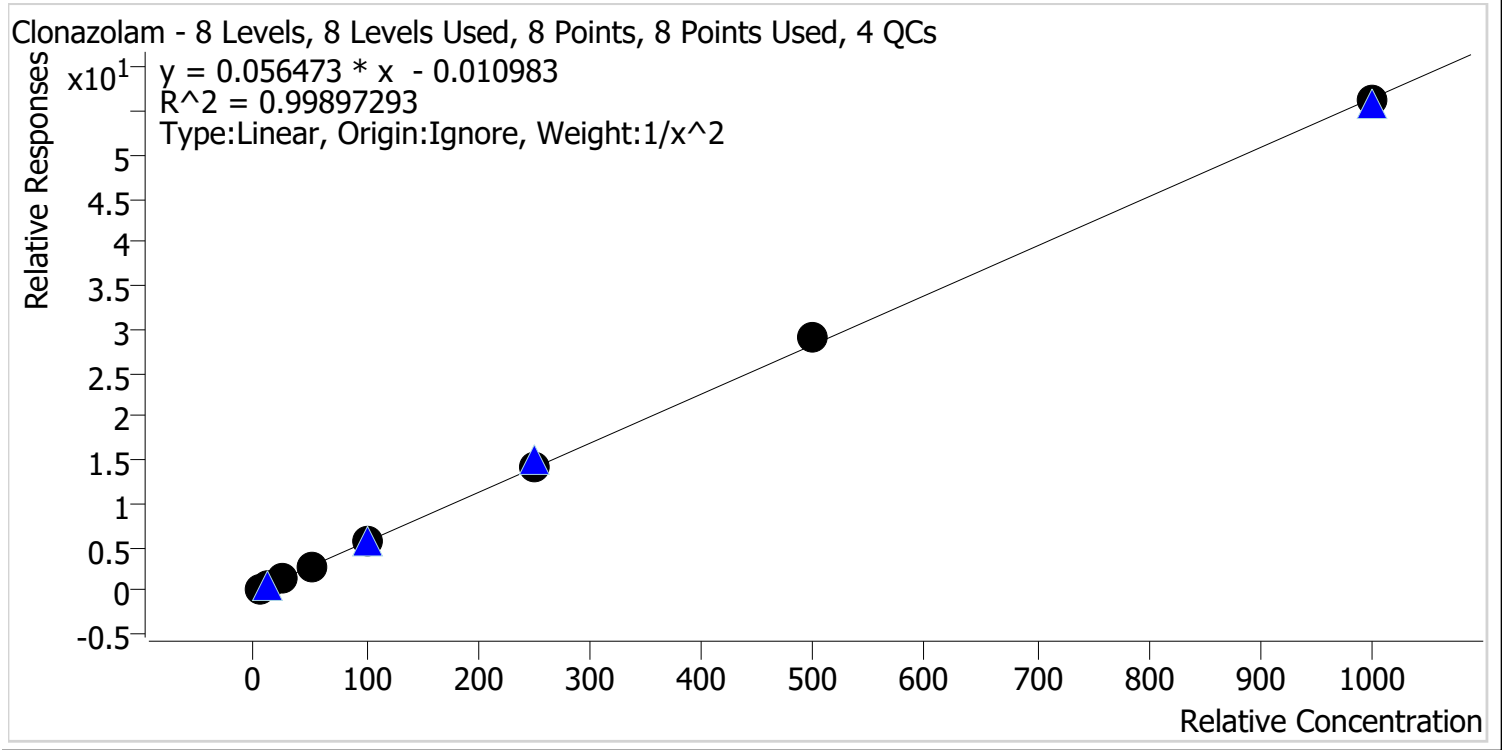
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.5
p1 Cal 2- 10ng	2	✓	10.0	9.3	93.0
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.5
p1 Cal 4-50ng	4	✓	50.0	54.1	108.2
p1 Cal 5-100ng	5	✓	100.0	98.7	98.7
p1 Cal 6-250ng	6	✓	250.0	255.5	102.2
p1 Cal 7-500ng	7	✓	500.0	481.5	96.3
p1 Cal 8-1000ng	8	✓	1000.0	976.2	97.6

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\041521 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
Last Cal. Update 4/20/2021 3:17 PM
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	5.1	101.3
p1 Cal 2- 10ng	2	✓	10.0	9.9	98.9
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.5
p1 Cal 4-50ng	4	✓	50.0	51.8	103.5
p1 Cal 5-100ng	5	✓	100.0	99.8	99.8
p1 Cal 6-250ng	6	✓	250.0	249.1	99.7
p1 Cal 7-500ng	7	✓	500.0	514.2	102.8
p1 Cal 8-1000ng	8	✓	1000.0	995.2	99.5

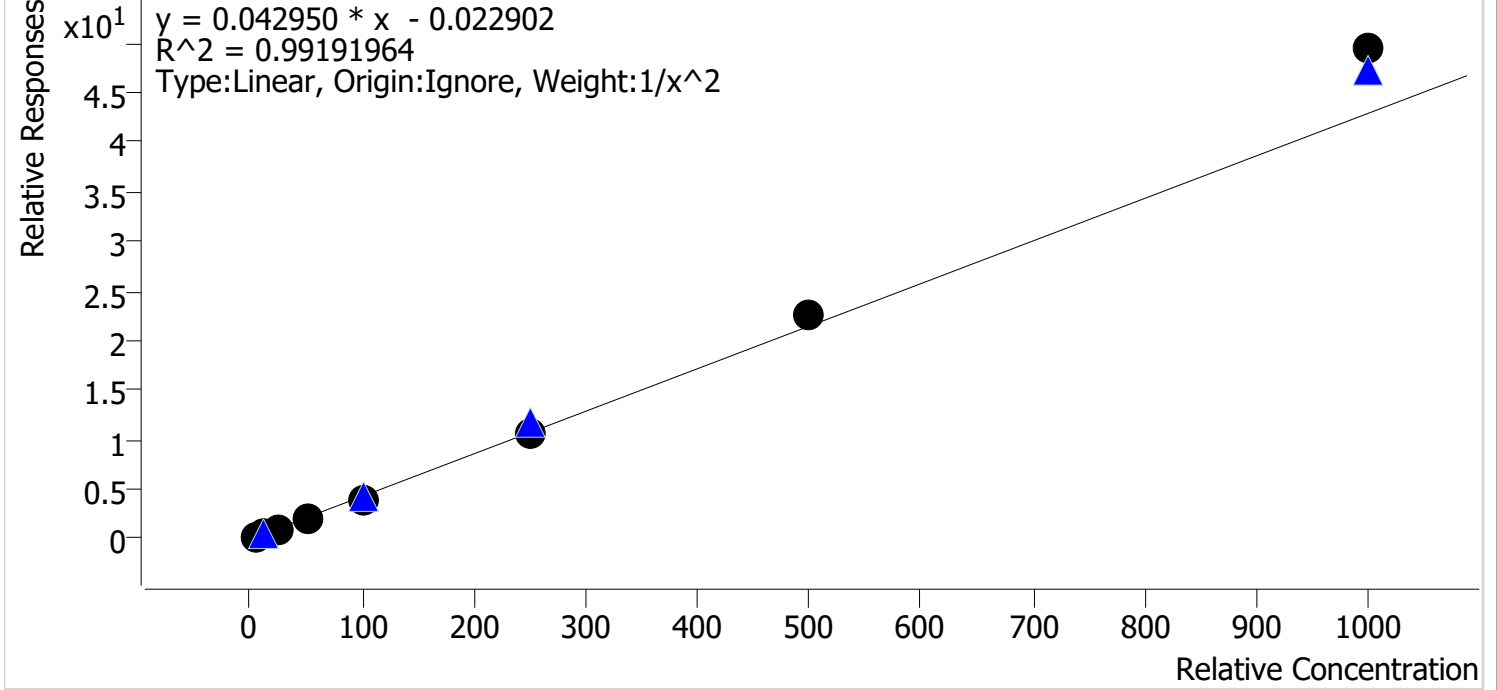


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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\041521 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
 Last Cal. Update 4/20/2021 3:17 PM
 Analyst Name ISP\Datastor
 Analyte Etizolam Internal Standard Clonazepam-D4

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



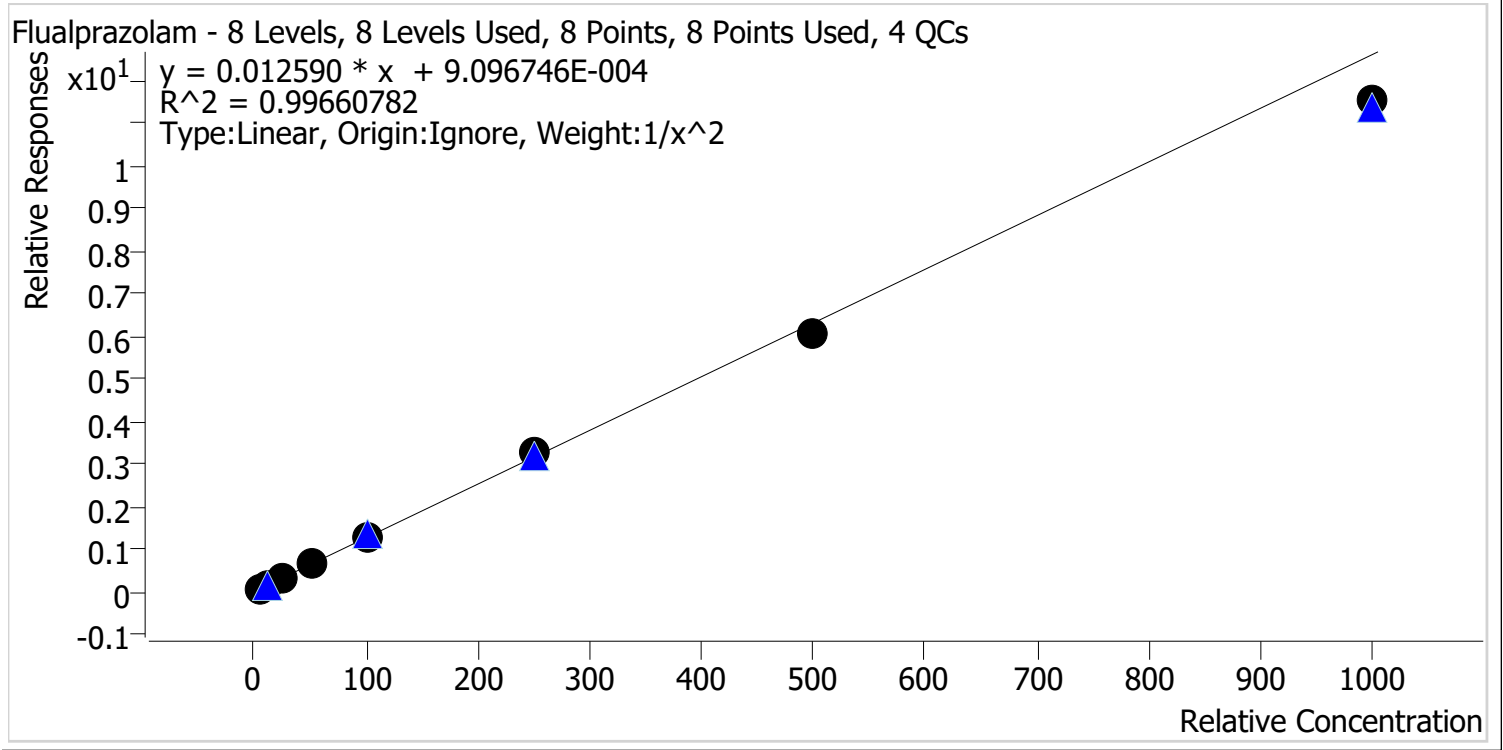
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.4
p1 Cal 2- 10ng	2	✓	10.0	9.5	95.1
p1 Cal 3 -25ng	3	✓	25.0	23.4	93.4
p1 Cal 4-50ng	4	✓	50.0	48.2	96.3
p1 Cal 5-100ng	5	✓	100.0	92.0	92.0
p1 Cal 6-250ng	6	✓	250.0	245.2	98.1
p1 Cal 7-500ng	7	✓	500.0	527.3	105.5
p1 Cal 8-1000ng	8	✓	1000.0	1152.1	115.2

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\041521 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
Last Cal. Update 4/20/2021 3:17 PM
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	99.8
p1 Cal 2- 10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.0
p1 Cal 4-50ng	4	✓	50.0	54.4	108.7
p1 Cal 5-100ng	5	✓	100.0	103.0	103.0
p1 Cal 6-250ng	6	✓	250.0	256.6	102.6
p1 Cal 7-500ng	7	✓	500.0	482.8	96.6
p1 Cal 8-1000ng	8	✓	1000.0	914.4	91.4

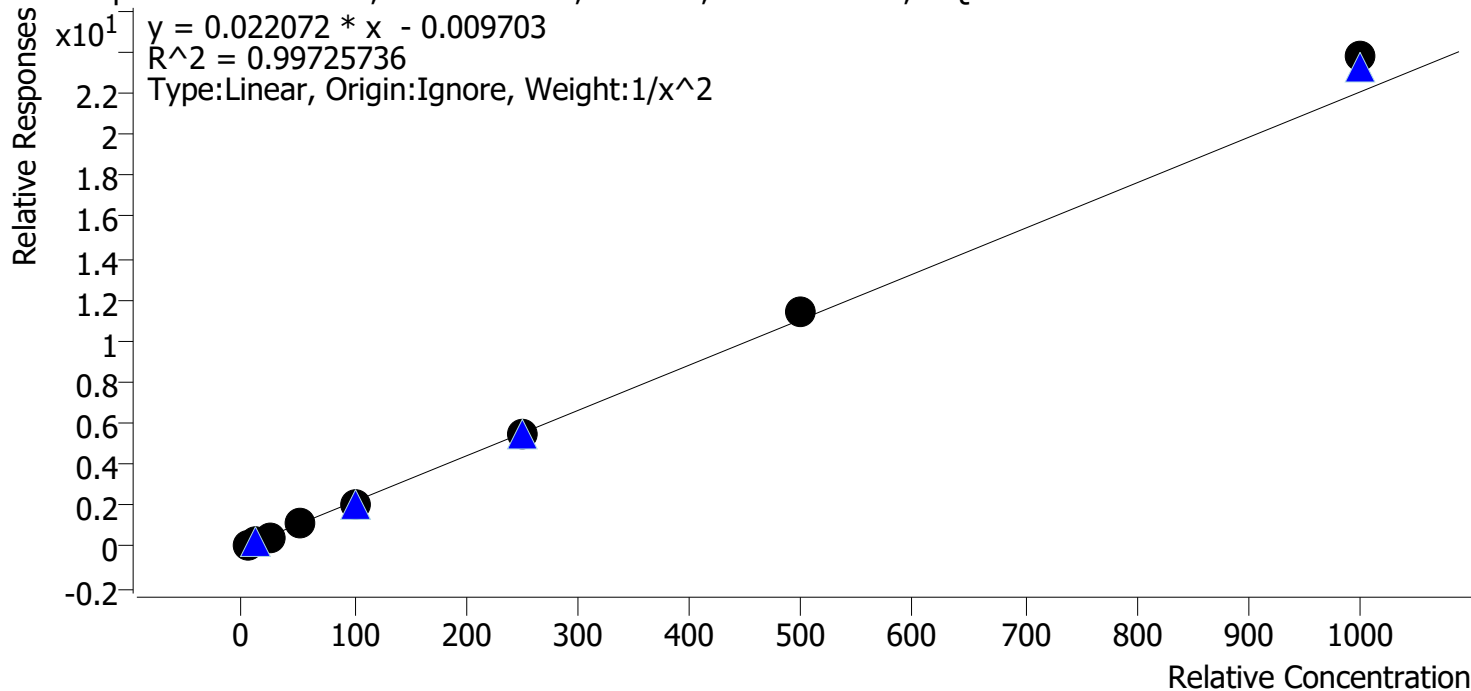
TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\041521 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
Last Cal. Update 4/20/2021 3:17 PM
Analyst Name ISP\Datastor
Analyte Pseudoephedrine **Internal Standard** Pseudoephedrine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.4
p1 Cal 2- 10ng	2	✓	10.0	9.6	95.5
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.9
p1 Cal 4-50ng	4	✓	50.0	50.1	100.1
p1 Cal 5-100ng	5	✓	100.0	96.4	96.4
p1 Cal 6-250ng	6	✓	250.0	246.3	98.5
p1 Cal 7-500ng	7	✓	500.0	517.2	103.4
p1 Cal 8-1000ng	8	✓	1000.0	1077.6	107.8

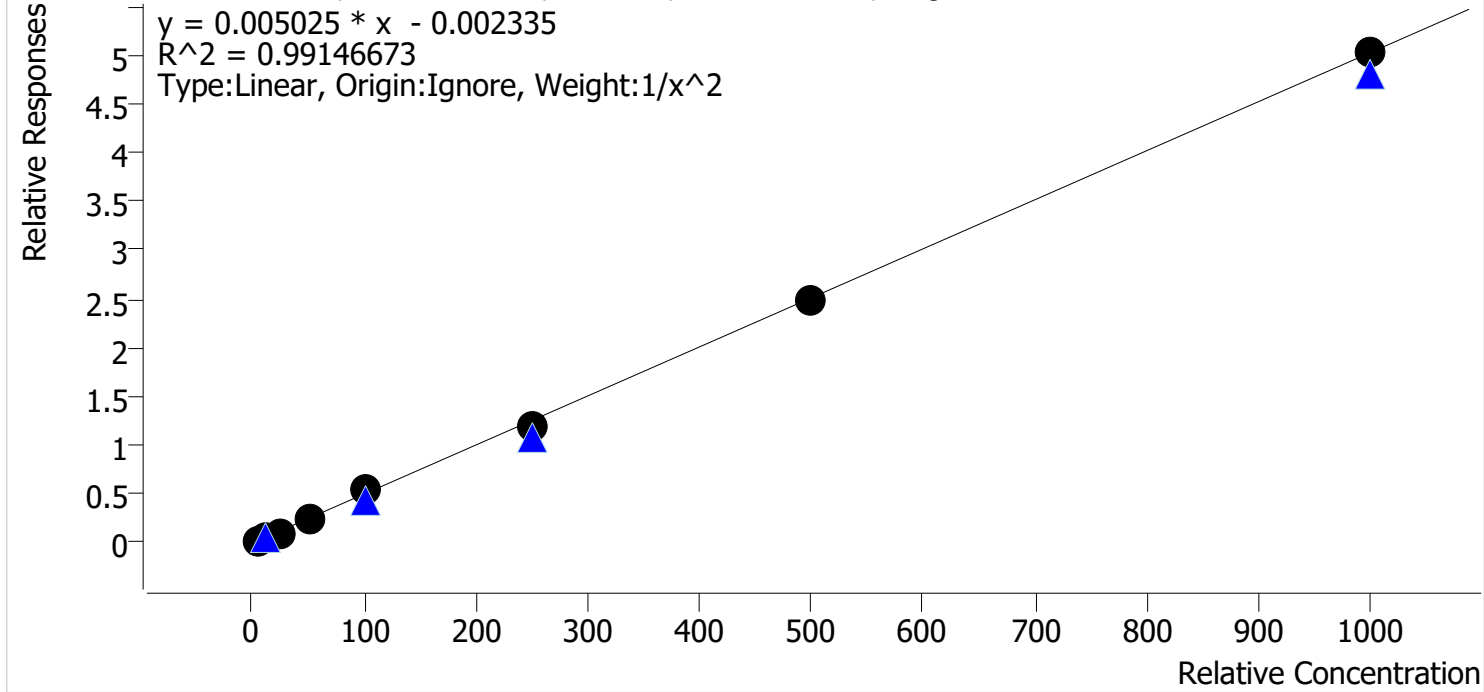
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\041521 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
Last Cal. Update 4/20/2021 3:17 PM
Analyst Name ISP\Datastor
Analyte Levetiracetam **Internal Standard** Pseudoephedrine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.5
p1 Cal 2- 10ng	2	✓	10.0	11.3	113.0
p1 Cal 3 -25ng	3	✓	25.0	21.7	86.9
p1 Cal 4-50ng	4	✓	50.0	51.7	103.4
p1 Cal 5-100ng	5	✓	100.0	107.3	107.3
p1 Cal 6-250ng	6	✓	250.0	237.4	95.0
p1 Cal 7-500ng	7	✓	500.0	494.6	98.9
p1 Cal 8-1000ng	8	✓	1000.0	1000.1	100.0

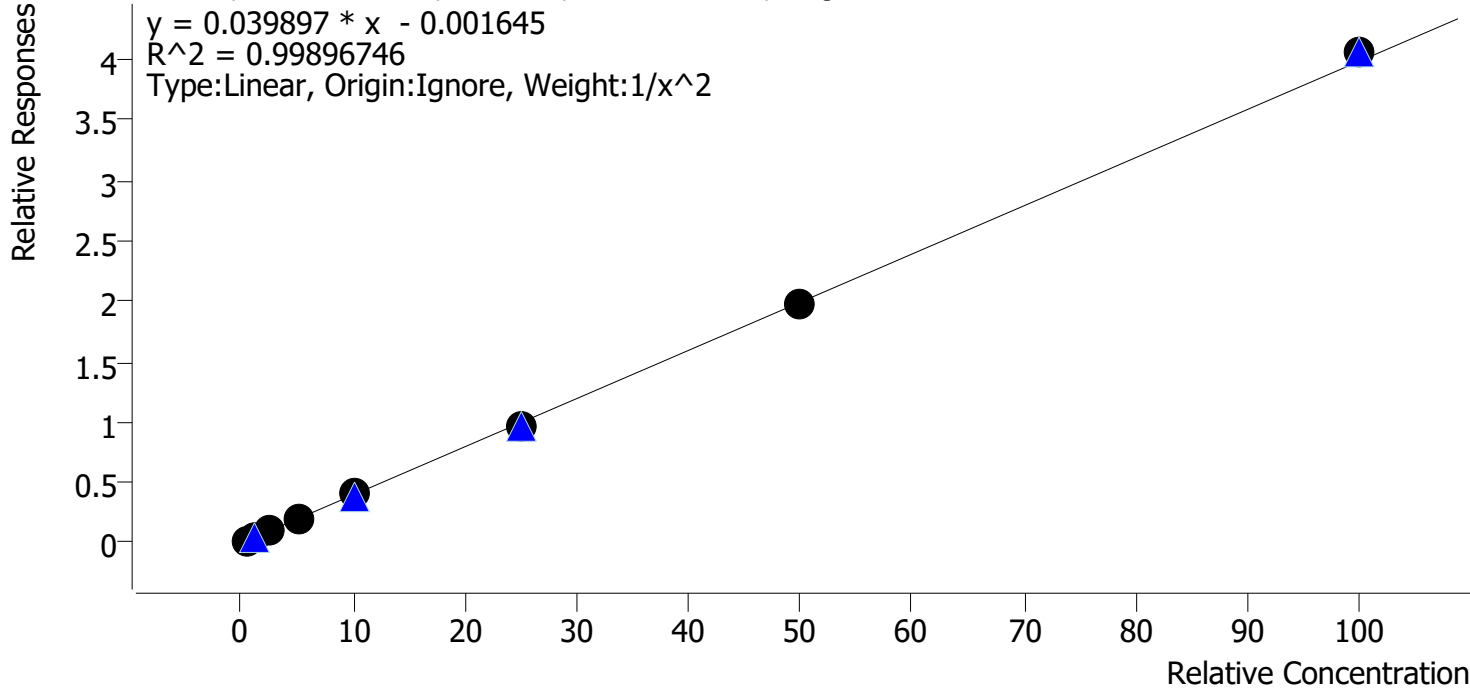
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\041521 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
Last Cal. Update 4/20/2021 3:17 PM
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	98.8
p1 Cal 2- 10ng	2	✓	1.0	1.0	103.6
p1 Cal 3 -25ng	3	✓	2.5	2.4	95.8
p1 Cal 4-50ng	4	✓	5.0	5.1	102.6
p1 Cal 5-100ng	5	✓	10.0	10.1	101.4
p1 Cal 6-250ng	6	✓	25.0	24.2	96.8
p1 Cal 7-500ng	7	✓	50.0	49.7	99.4
p1 Cal 8-1000ng	8	✓	100.0	101.7	101.7

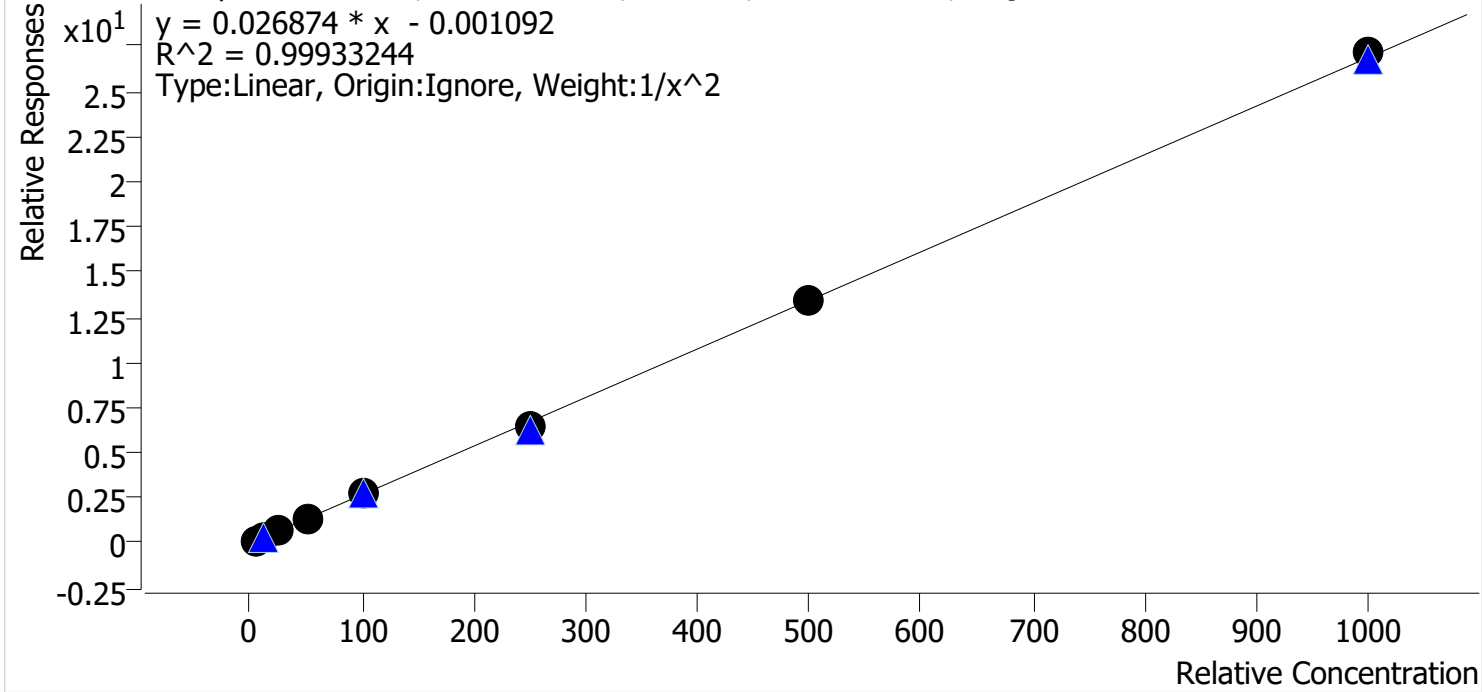
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\041521 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
Last Cal. Update 4/20/2021 3:17 PM
Analyst Name ISP\Datastor
Analyte 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.8
p1 Cal 2- 10ng	2	✓	10.0	9.8	97.8
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.4
p1 Cal 4-50ng	4	✓	50.0	52.1	104.1
p1 Cal 5-100ng	5	✓	100.0	100.3	100.3
p1 Cal 6-250ng	6	✓	250.0	241.6	96.6
p1 Cal 7-500ng	7	✓	500.0	499.6	99.9
p1 Cal 8-1000ng	8	✓	1000.0	1010.2	101.0

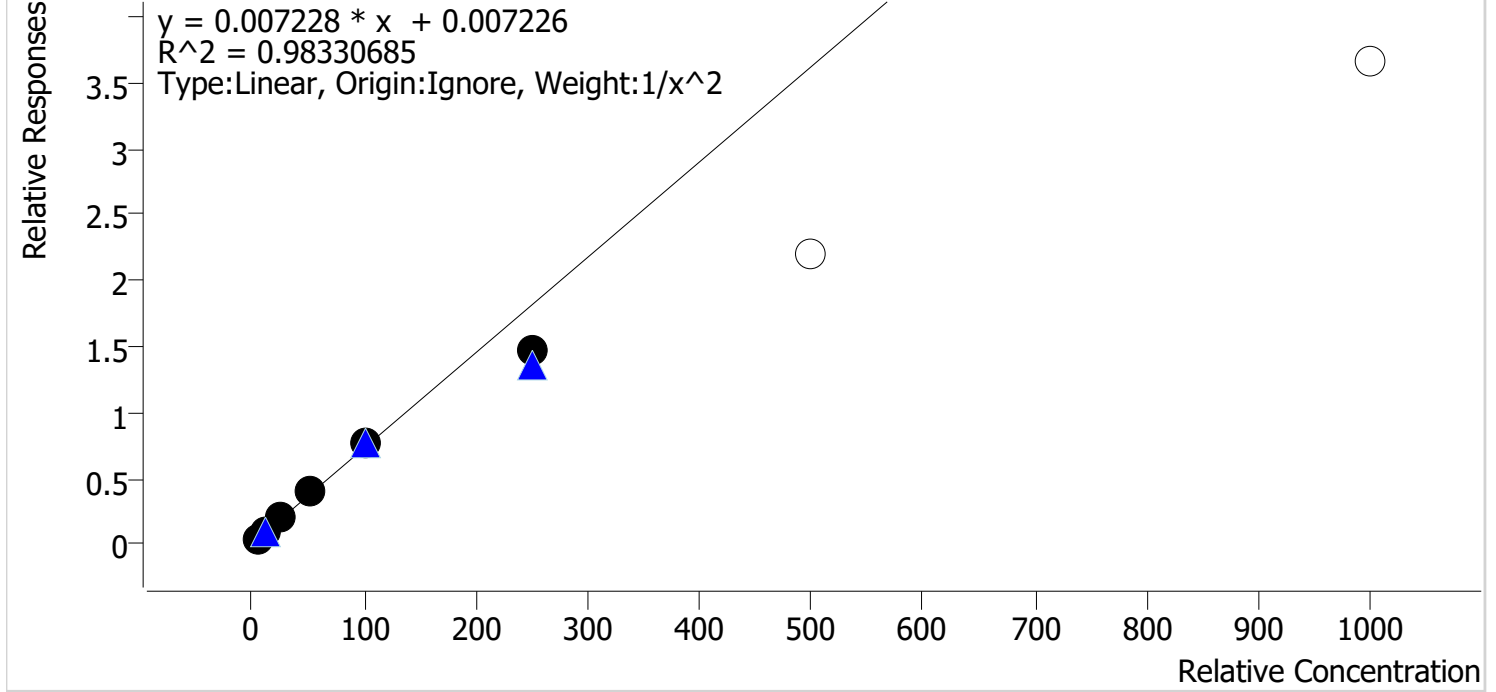


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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\041521 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
Last Cal. Update 4/20/2021 3:17 PM
Analyst Name ISP\Datastor
Analyte a-hydroxyalprazolam **Internal Standard** Alprazolam-D5

a-hydroxyalprazolam - 8 Levels, 6 Levels Used, 8 Points, 6 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.3
p1 Cal 2- 10ng	2	✓	10.0	10.4	104.1
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.5
p1 Cal 4-50ng	4	✓	50.0	55.5	111.0
p1 Cal 5-100ng	5	✓	100.0	104.5	104.5
p1 Cal 6-250ng	6	✓	250.0	201.4	80.5
p1 Cal 7-500ng	7	x	500.0	303.9	60.8
p1 Cal 8-1000ng	8	x	1000.0	507.5	50.8

*Cal 7 and 8 removed due to accuracy

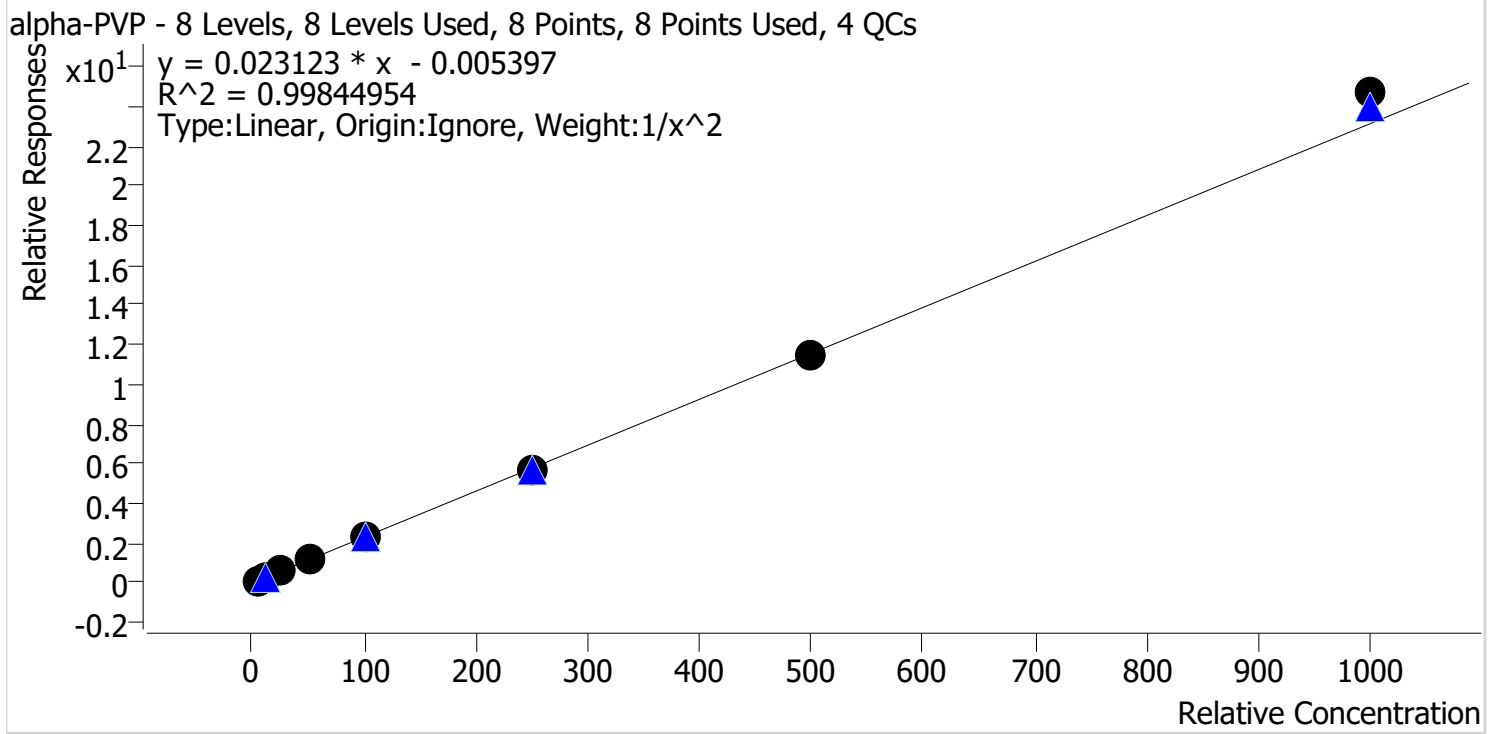
Compound evaluated qualitatively



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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\041521 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
Last Cal. Update 4/20/2021 3:17 PM
Analyst Name ISP\Datastor
Analyte alpha-PVP **Internal Standard** alpha-PVP-d8



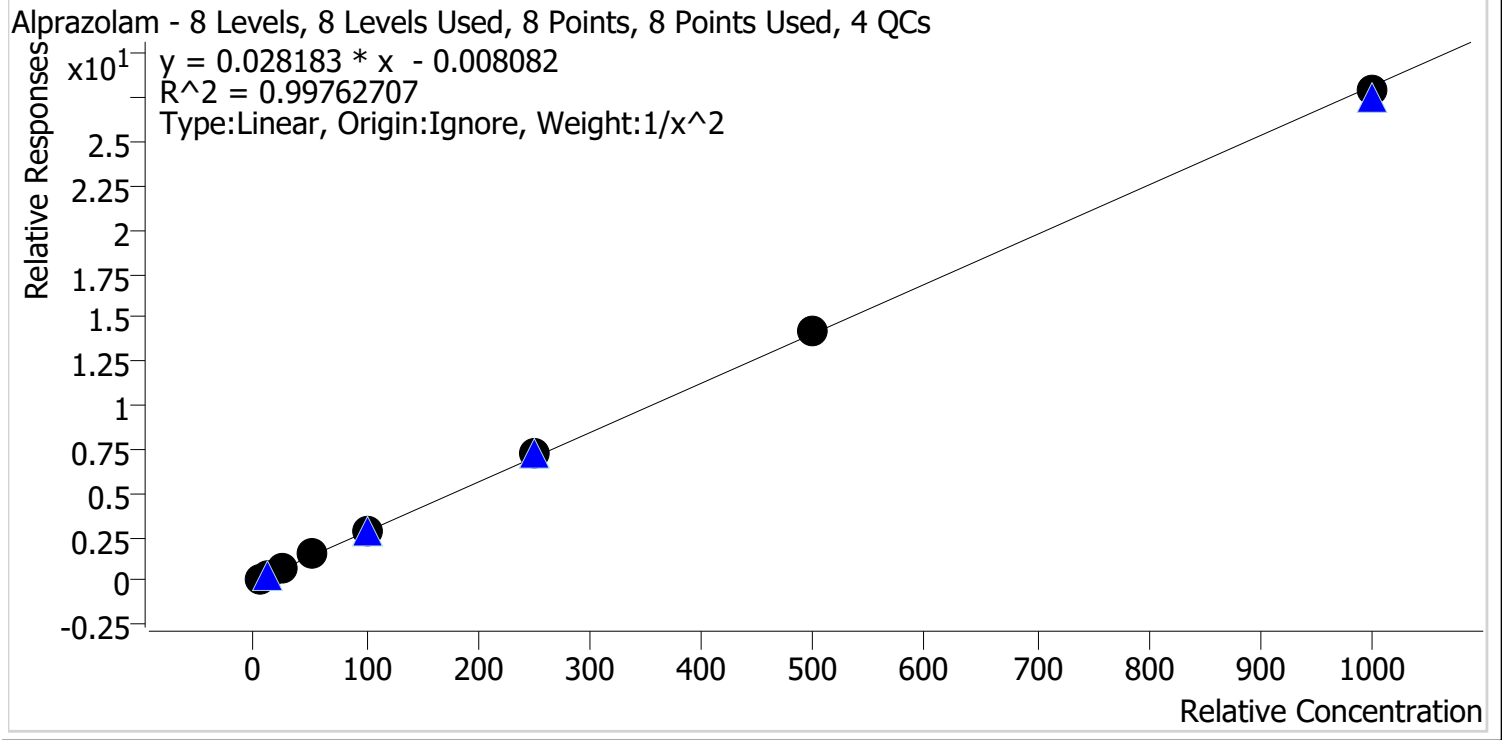
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.5
p1 Cal 2- 10ng	2	✓	10.0	9.8	98.4
p1 Cal 3 -25ng	3	✓	25.0	24.0	96.1
p1 Cal 4-50ng	4	✓	50.0	51.1	102.3
p1 Cal 5-100ng	5	✓	100.0	97.7	97.7
p1 Cal 6-250ng	6	✓	250.0	244.0	97.6
p1 Cal 7-500ng	7	✓	500.0	498.4	99.7
p1 Cal 8-1000ng	8	✓	1000.0	1067.7	106.8



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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\041521 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
Last Cal. Update 4/20/2021 3:17 PM
Analyst Name ISP\Datastor
Analyte Alprazolam **Internal Standard** Alprazolam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.1
p1 Cal 2- 10ng	2	✓	10.0	9.5	95.3
p1 Cal 3 -25ng	3	✓	25.0	23.3	93.4
p1 Cal 4-50ng	4	✓	50.0	52.9	105.9
p1 Cal 5-100ng	5	✓	100.0	98.7	98.7
p1 Cal 6-250ng	6	✓	250.0	258.7	103.5
p1 Cal 7-500ng	7	✓	500.0	505.7	101.1
p1 Cal 8-1000ng	8	✓	1000.0	990.8	99.1

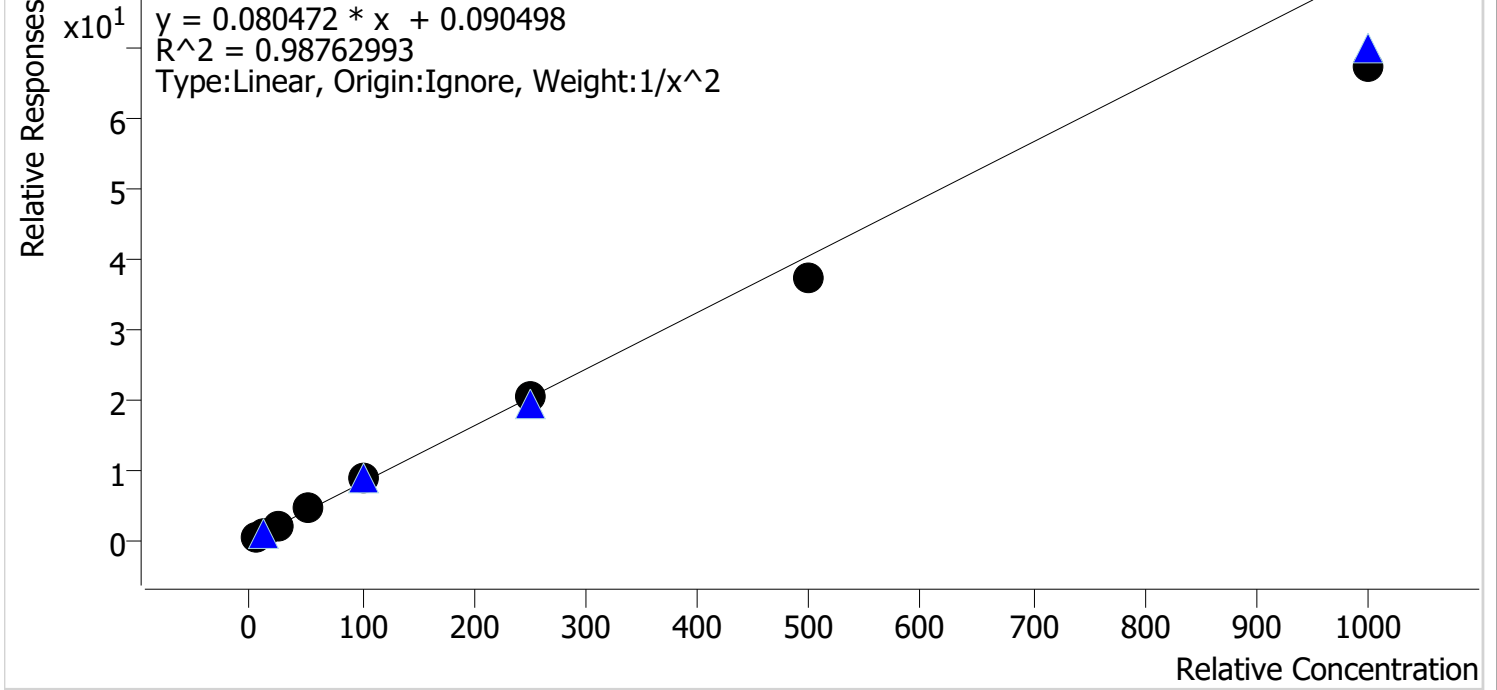


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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\041521 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
Last Cal. Update 4/20/2021 3:17 PM
Analyst Name ISP\Datastor
Analyte Amphetamine **Internal Standard** Amphetamine-D11

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



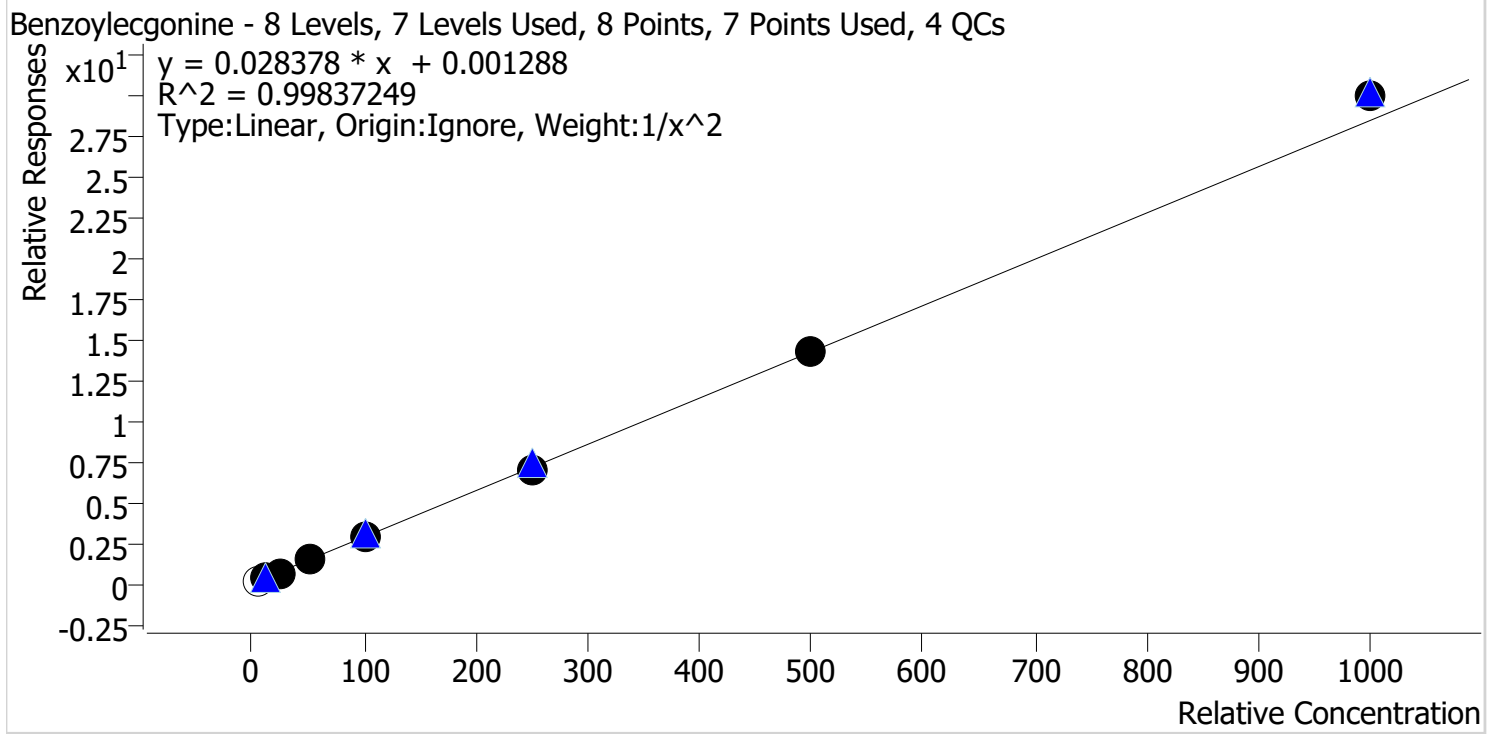
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.8
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.9
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.2
p1 Cal 4-50ng	4	✓	50.0	57.5	115.0
p1 Cal 5-100ng	5	✓	100.0	106.8	106.8
p1 Cal 6-250ng	6	✓	250.0	250.8	100.3
p1 Cal 7-500ng	7	✓	500.0	459.4	91.9
p1 Cal 8-1000ng	8	✓	1000.0	830.9	83.1

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\041521 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
Last Cal. Update 4/20/2021 3:17 PM
Analyst Name ISP\Datastor
Analyte Benzoylecgonine **Internal Standard** Benzoylecgonine-d8



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	x	5.0	5.3	106.7
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.0
p1 Cal 3 -25ng	3	✓	25.0	23.7	95.0
p1 Cal 4-50ng	4	✓	50.0	50.7	101.4
p1 Cal 5-100ng	5	✓	100.0	97.1	97.1
p1 Cal 6-250ng	6	✓	250.0	247.7	99.1
p1 Cal 7-500ng	7	✓	500.0	499.3	99.9
p1 Cal 8-1000ng	8	✓	1000.0	1056.3	105.6

*Cal 1 removed due to the ratio being out

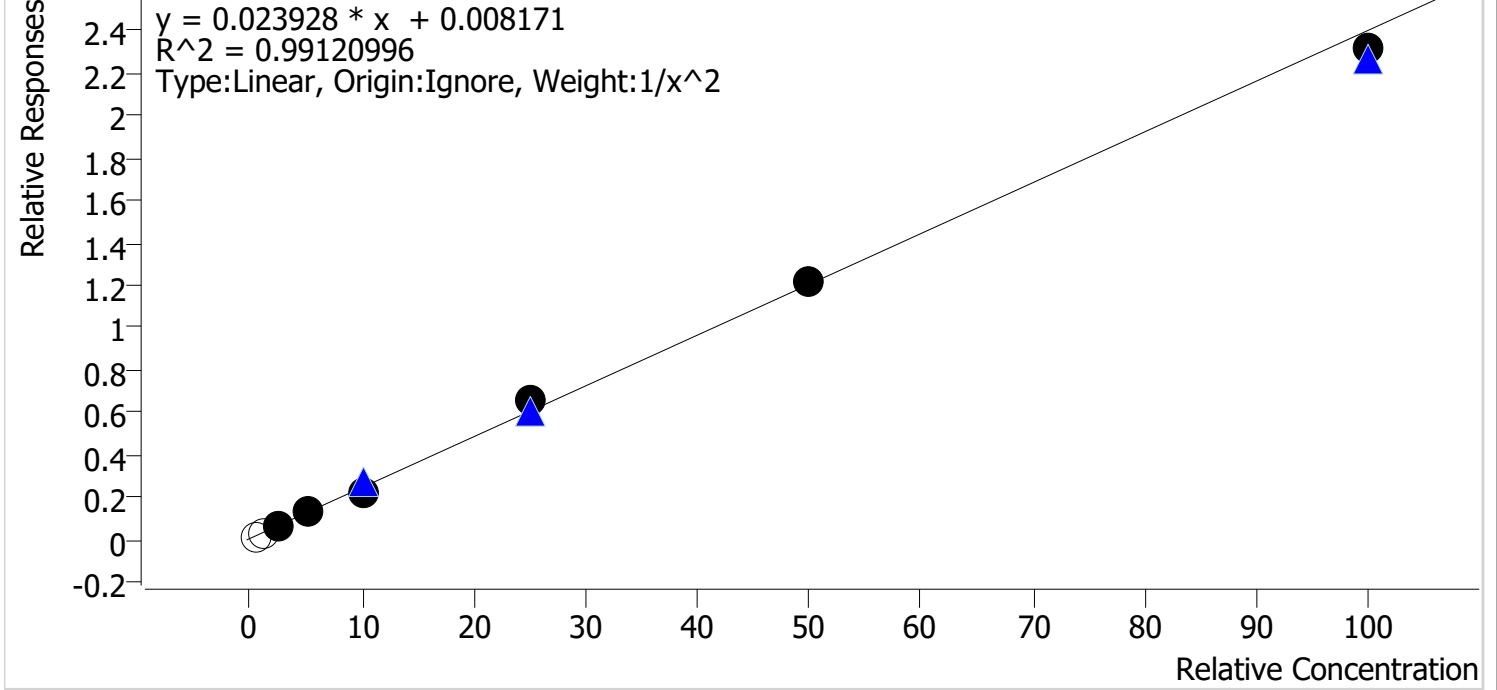


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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\041521 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
Last Cal. Update 4/20/2021 3:17 PM
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	0.3	59.7
p1 Cal 2- 10ng	2	x	1.0	0.7	69.4
p1 Cal 3 -25ng	3	✓	2.5	2.5	98.4
p1 Cal 4-50ng	4	✓	5.0	5.4	107.4
p1 Cal 5-100ng	5	✓	10.0	8.8	88.3
p1 Cal 6-250ng	6	✓	25.0	27.2	108.7
p1 Cal 7-500ng	7	✓	50.0	50.4	100.8
p1 Cal 8-1000ng	8	✓	100.0	96.4	96.4

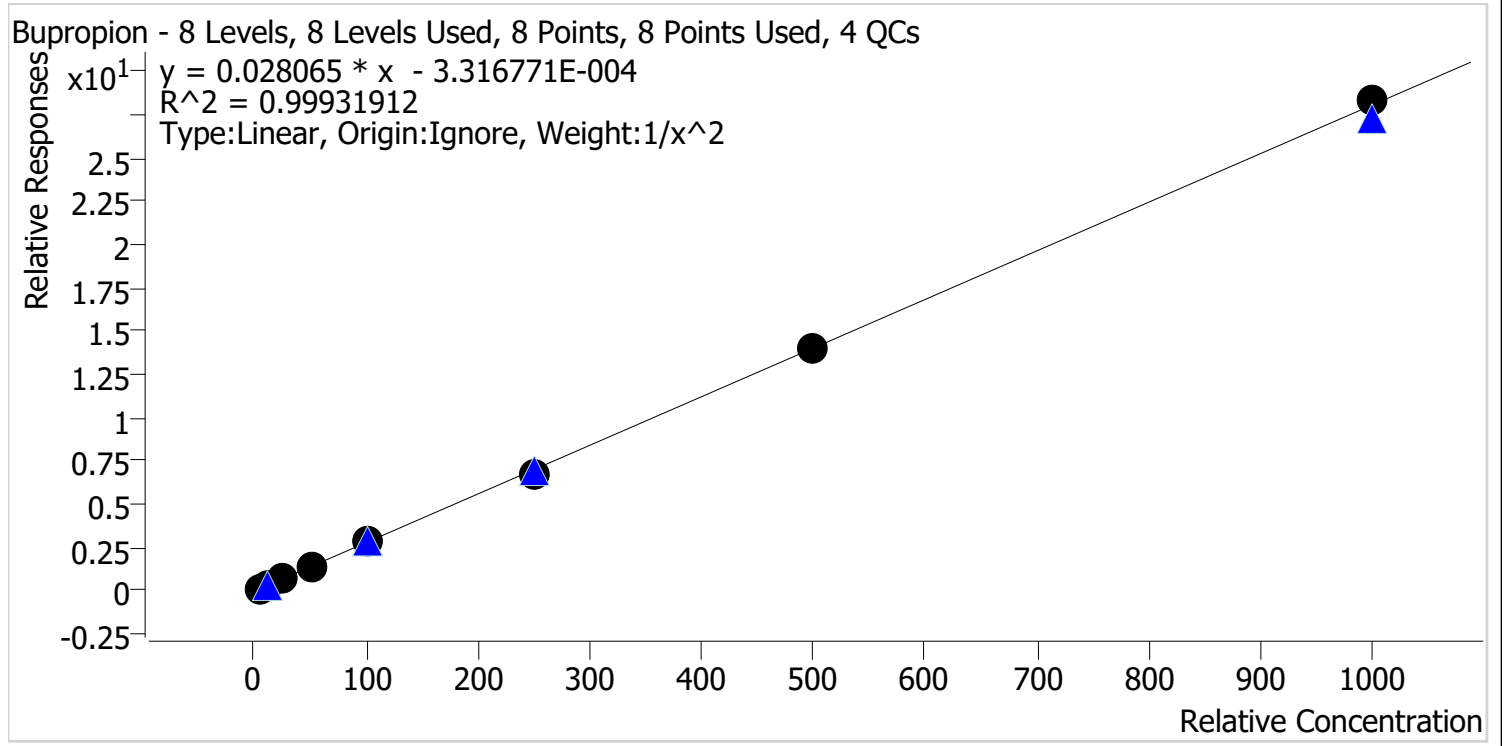
*Cal 1 and 2 removed due to the ratio being out



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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\041521 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
Last Cal. Update 4/20/2021 3:17 PM
Analyst Name ISP\Datastor
Analyte Bupropion **Internal Standard** Bupropion-D9



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.4
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.2
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.2
p1 Cal 4-50ng	4	✓	50.0	52.4	104.8
p1 Cal 5-100ng	5	✓	100.0	100.0	100.0
p1 Cal 6-250ng	6	✓	250.0	243.5	97.4
p1 Cal 7-500ng	7	✓	500.0	495.7	99.1
p1 Cal 8-1000ng	8	✓	1000.0	1009.1	100.9

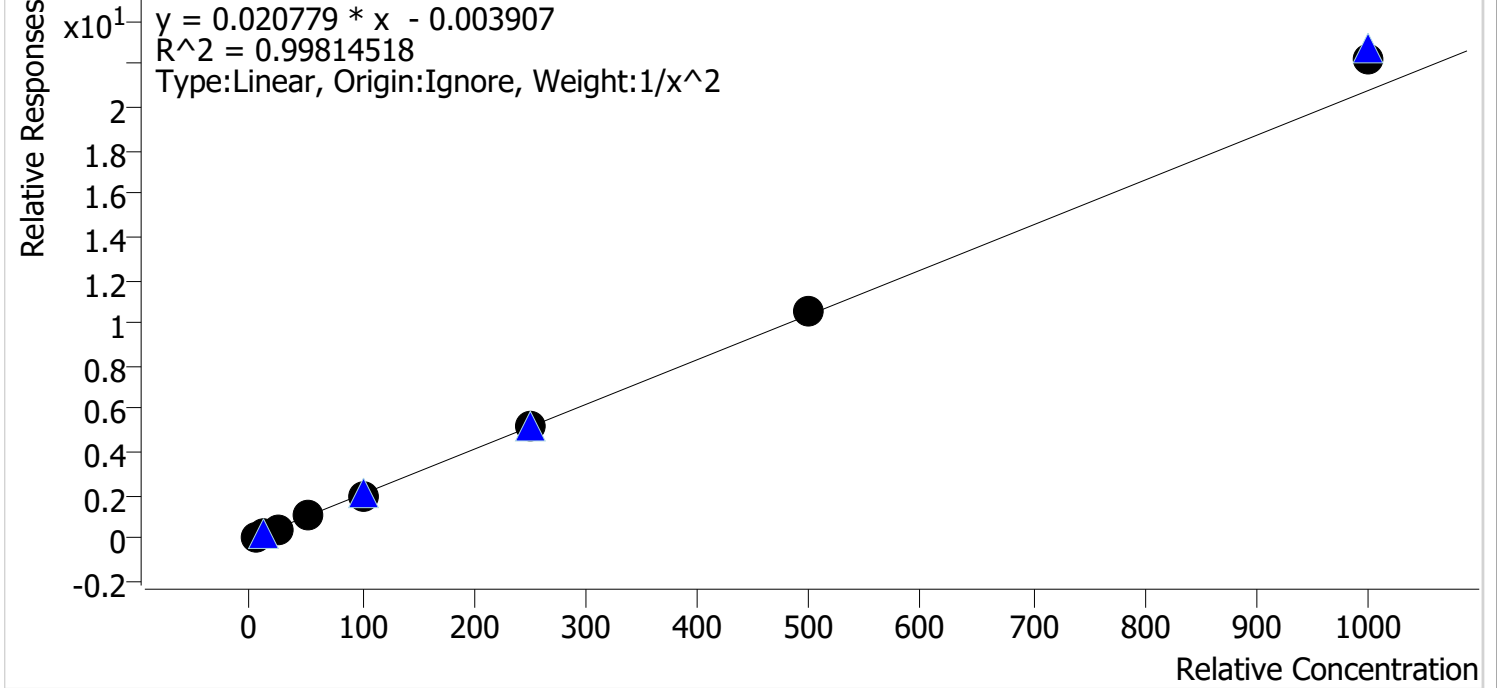
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\041521 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
Last Cal. Update 4/20/2021 3:17 PM
Analyst Name ISP\Datastor
Analyte Carisoprodol **Internal Standard** Carisoprodol-D7

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



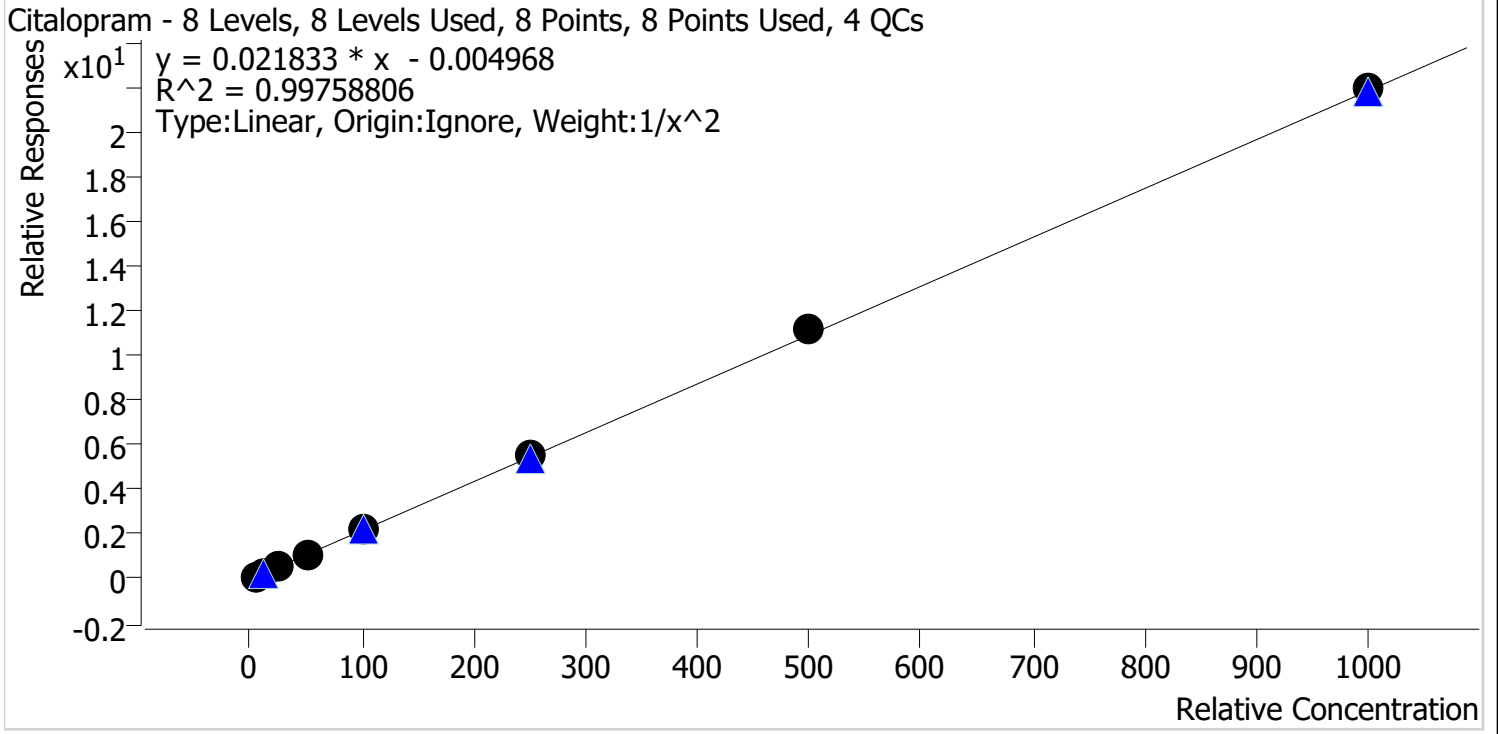
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.9
p1 Cal 2- 10ng	2	✓	10.0	9.9	98.6
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.2
p1 Cal 4-50ng	4	✓	50.0	50.5	101.0
p1 Cal 5-100ng	5	✓	100.0	96.7	96.7
p1 Cal 6-250ng	6	✓	250.0	248.7	99.5
p1 Cal 7-500ng	7	✓	500.0	506.1	101.2
p1 Cal 8-1000ng	8	✓	1000.0	1067.8	106.8



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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\041521 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
Last Cal. Update 4/20/2021 3:17 PM
Analyst Name ISP\Datastor
Analyte Citalopram **Internal Standard** Citalopram-D6



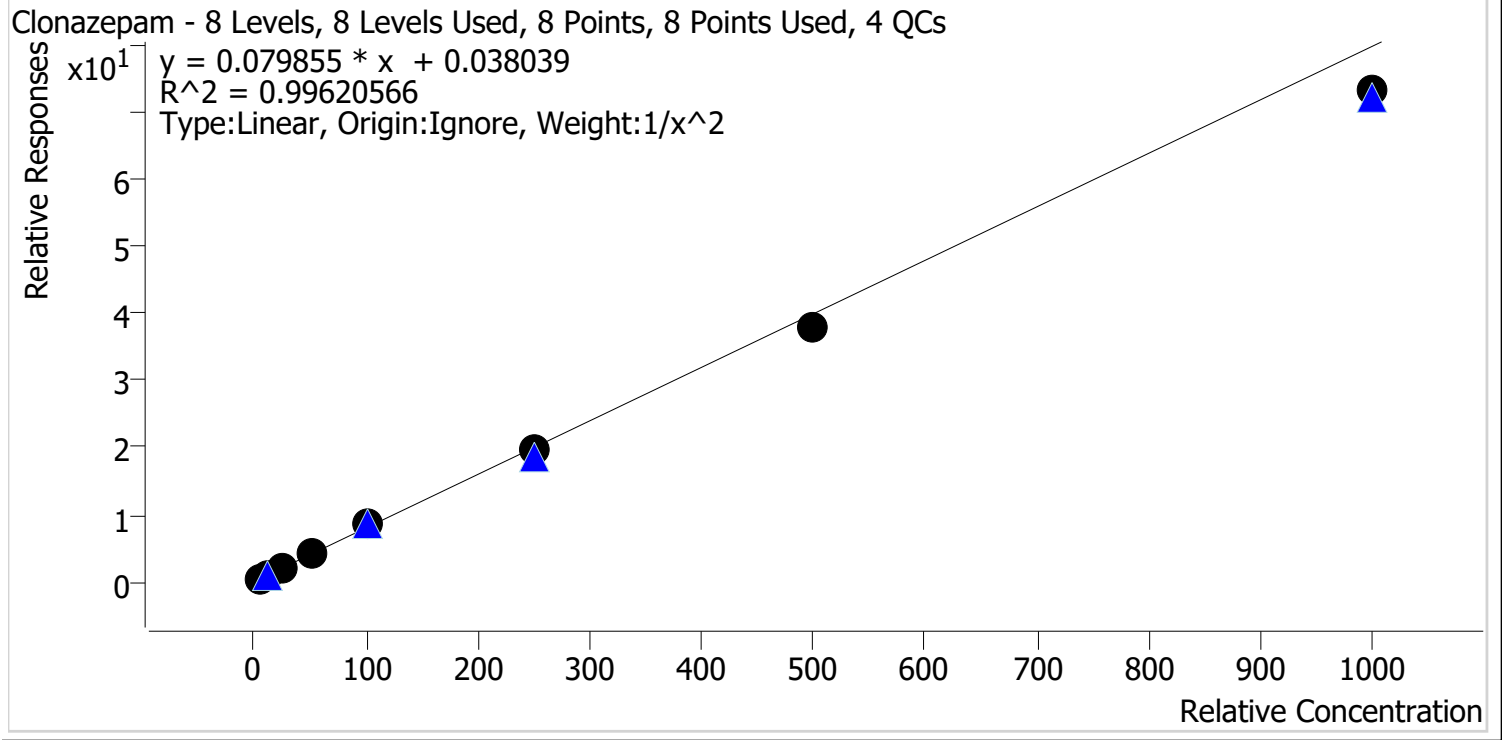
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.0
p1 Cal 2- 10ng	2	✓	10.0	9.3	93.4
p1 Cal 3 -25ng	3	✓	25.0	23.5	93.9
p1 Cal 4-50ng	4	✓	50.0	52.5	105.0
p1 Cal 5-100ng	5	✓	100.0	99.9	99.9
p1 Cal 6-250ng	6	✓	250.0	253.3	101.3
p1 Cal 7-500ng	7	✓	500.0	510.2	102.0
p1 Cal 8-1000ng	8	✓	1000.0	1004.6	100.5

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\041521 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
Last Cal. Update 4/20/2021 3:17 PM
Analyst Name ISP\Datastor
Analyte Clonazepam **Internal Standard** Clonazepam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.5
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.7
p1 Cal 3 -25ng	3	✓	25.0	26.0	103.9
p1 Cal 4-50ng	4	✓	50.0	53.8	107.7
p1 Cal 5-100ng	5	✓	100.0	105.5	105.5
p1 Cal 6-250ng	6	✓	250.0	243.8	97.5
p1 Cal 7-500ng	7	✓	500.0	477.8	95.6
p1 Cal 8-1000ng	8	✓	1000.0	917.3	91.7

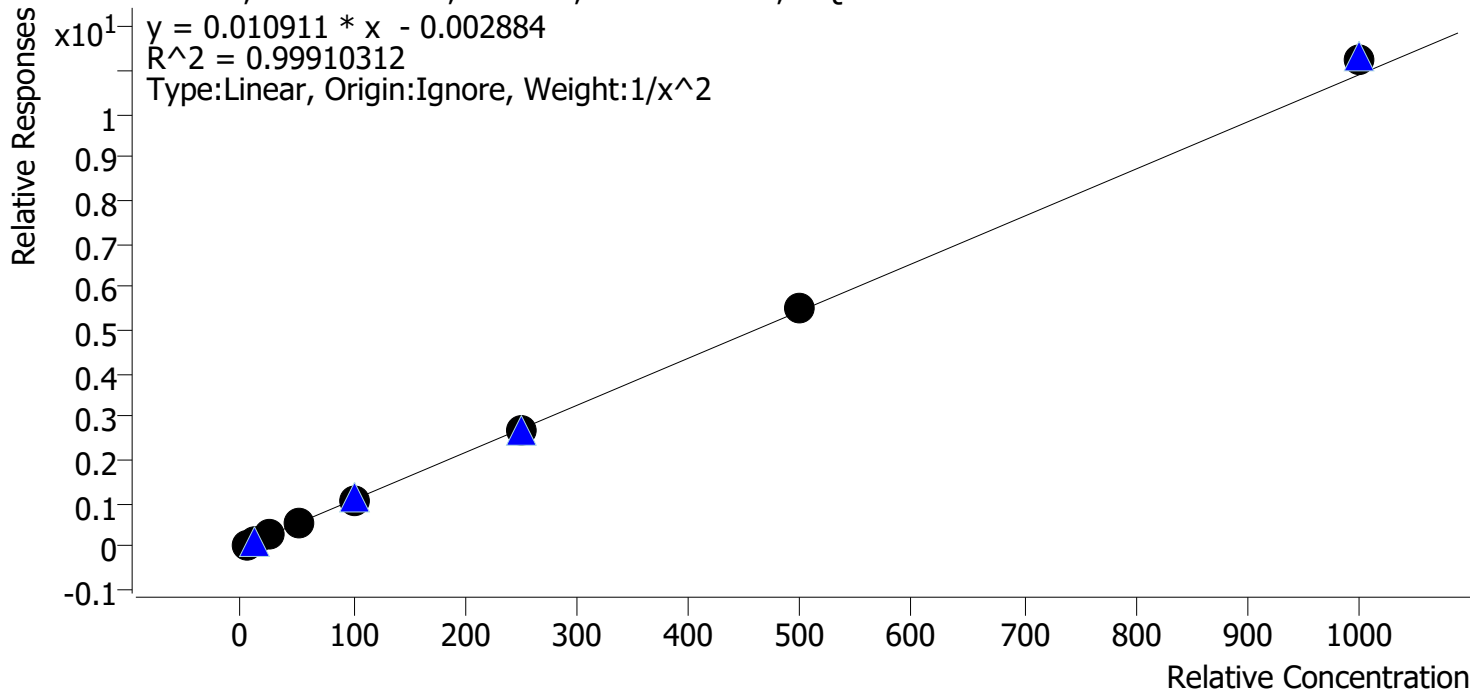
TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\041521 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
Last Cal. Update 4/20/2021 3:17 PM
Analyst Name ISP\Datastor
Analyte Cocaine **Internal Standard** Cocaine-d3

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



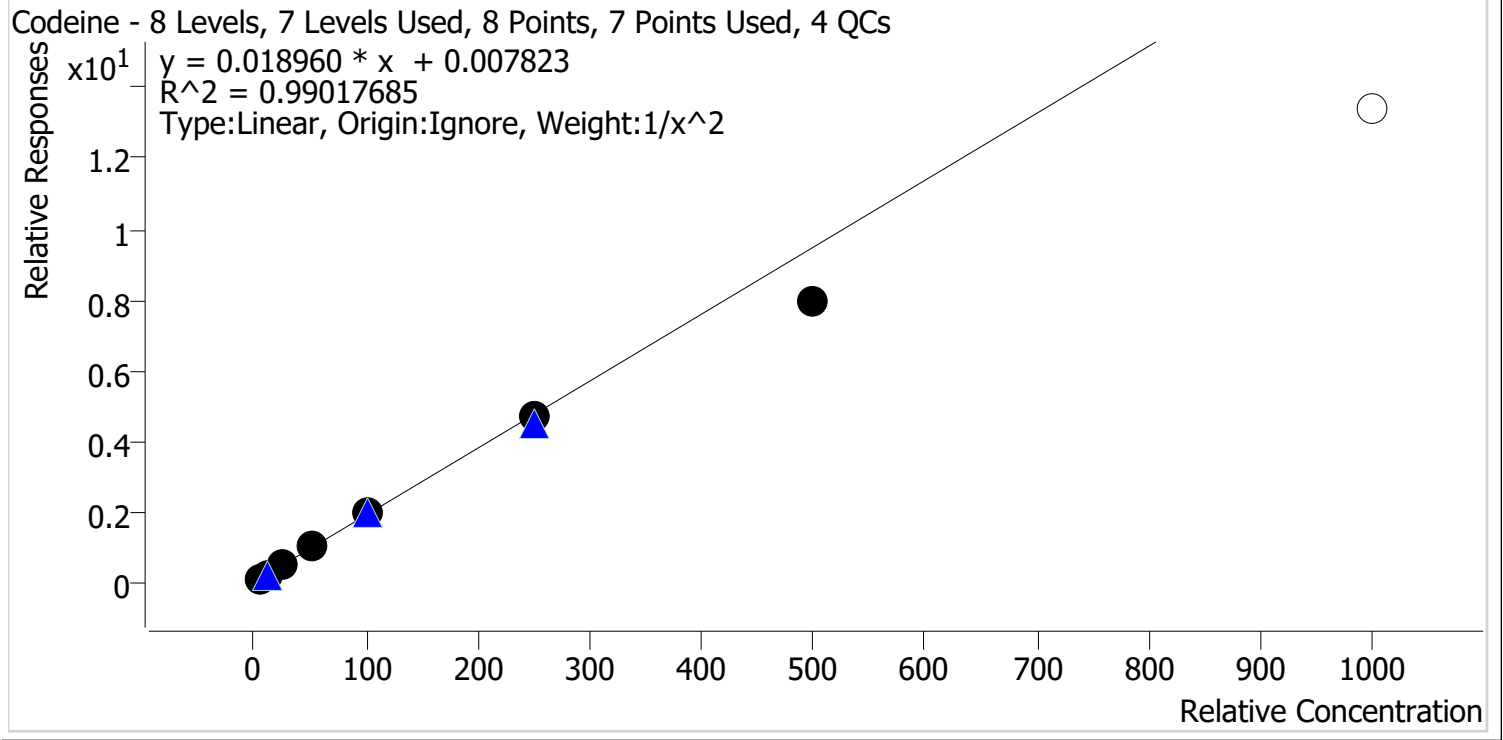
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.5
p1 Cal 2- 10ng	2	✓	10.0	9.8	97.8
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.6
p1 Cal 4-50ng	4	✓	50.0	51.7	103.3
p1 Cal 5-100ng	5	✓	100.0	98.7	98.7
p1 Cal 6-250ng	6	✓	250.0	244.6	97.8
p1 Cal 7-500ng	7	✓	500.0	505.2	101.0
p1 Cal 8-1000ng	8	✓	1000.0	1031.9	103.2



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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\041521 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
Last Cal. Update 4/20/2021 3:17 PM
Analyst Name ISP\Datastor
Analyte Codeine **Internal Standard** Codeine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.1
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.5
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.3
p1 Cal 4-50ng	4	✓	50.0	55.4	110.9
p1 Cal 5-100ng	5	✓	100.0	105.9	105.9
p1 Cal 6-250ng	6	✓	250.0	246.5	98.6
p1 Cal 7-500ng	7	✓	500.0	419.0	83.8
p1 Cal 8-1000ng	8	✗	1000.0	709.3	70.9

*Cal 8 removed due to accuracy

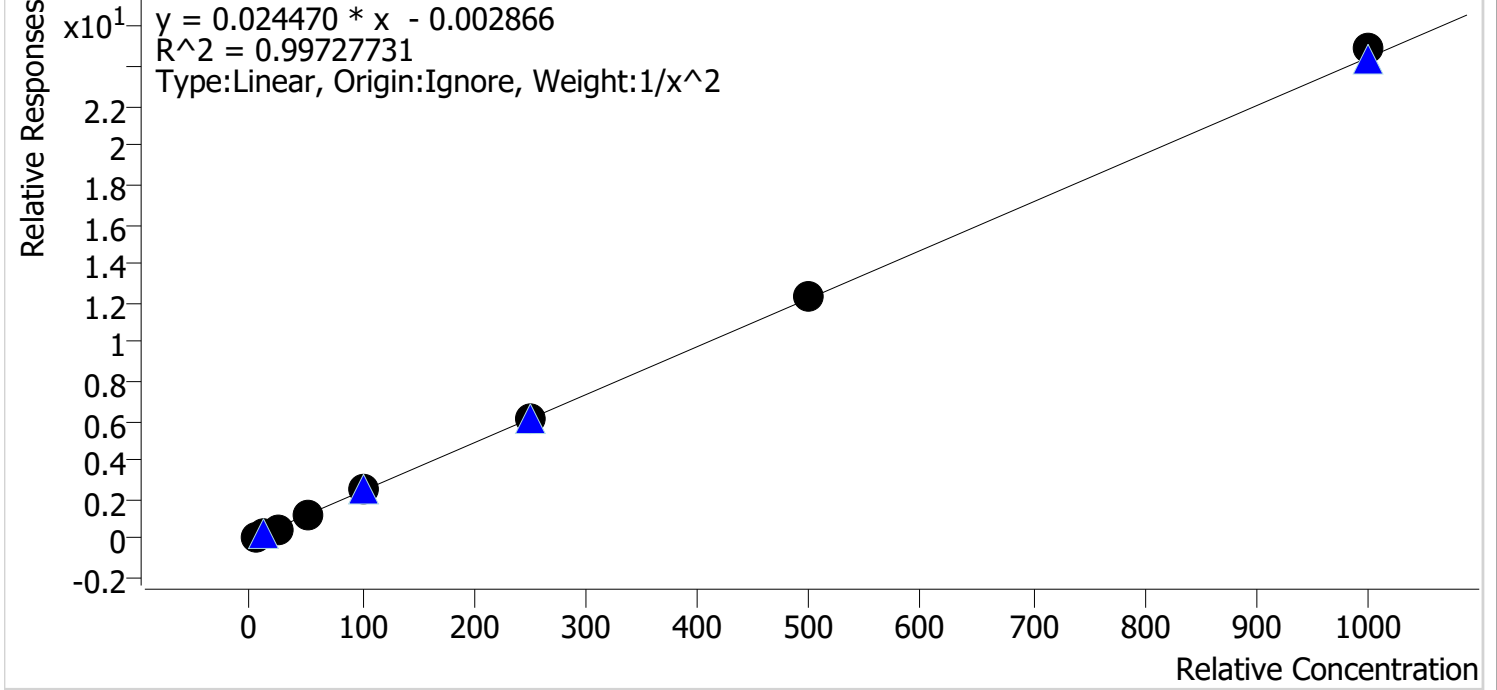


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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\041521 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
Last Cal. Update 4/20/2021 3:17 PM
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	103.0
p1 Cal 2- 10ng	2	✓	10.0	9.7	97.0
p1 Cal 3 -25ng	3	✓	25.0	22.5	90.0
p1 Cal 4-50ng	4	✓	50.0	52.0	103.9
p1 Cal 5-100ng	5	✓	100.0	101.9	101.9
p1 Cal 6-250ng	6	✓	250.0	253.8	101.5
p1 Cal 7-500ng	7	✓	500.0	504.3	100.9
p1 Cal 8-1000ng	8	✓	1000.0	1018.6	101.9

Compound not evaluated

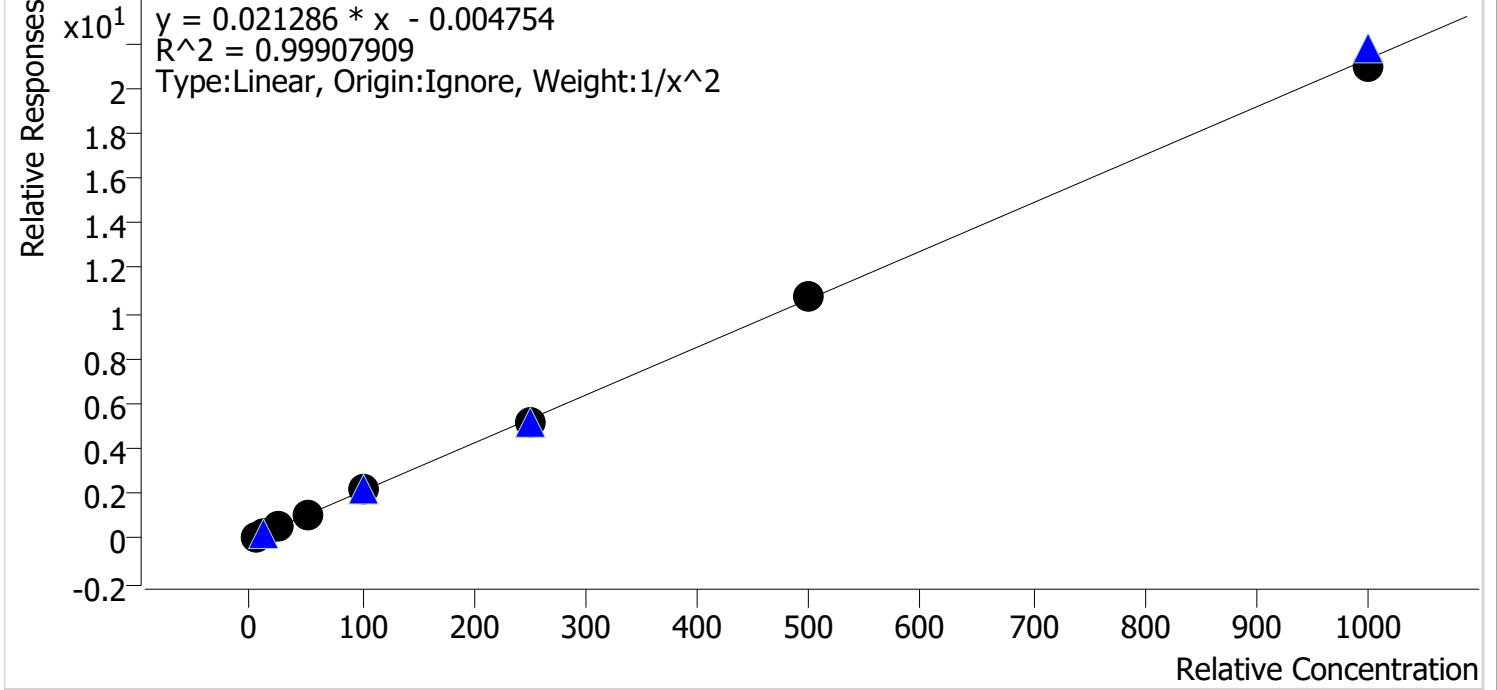


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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\041521 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
Last Cal. Update 4/20/2021 3:17 PM
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	100.8
p1 Cal 2- 10ng	2	✓	10.0	9.9	98.9
p1 Cal 3 -25ng	3	✓	25.0	24.0	96.2
p1 Cal 4-50ng	4	✓	50.0	52.4	104.8
p1 Cal 5-100ng	5	✓	100.0	101.3	101.3
p1 Cal 6-250ng	6	✓	250.0	245.6	98.2
p1 Cal 7-500ng	7	✓	500.0	506.0	101.2
p1 Cal 8-1000ng	8	✓	1000.0	985.3	98.5

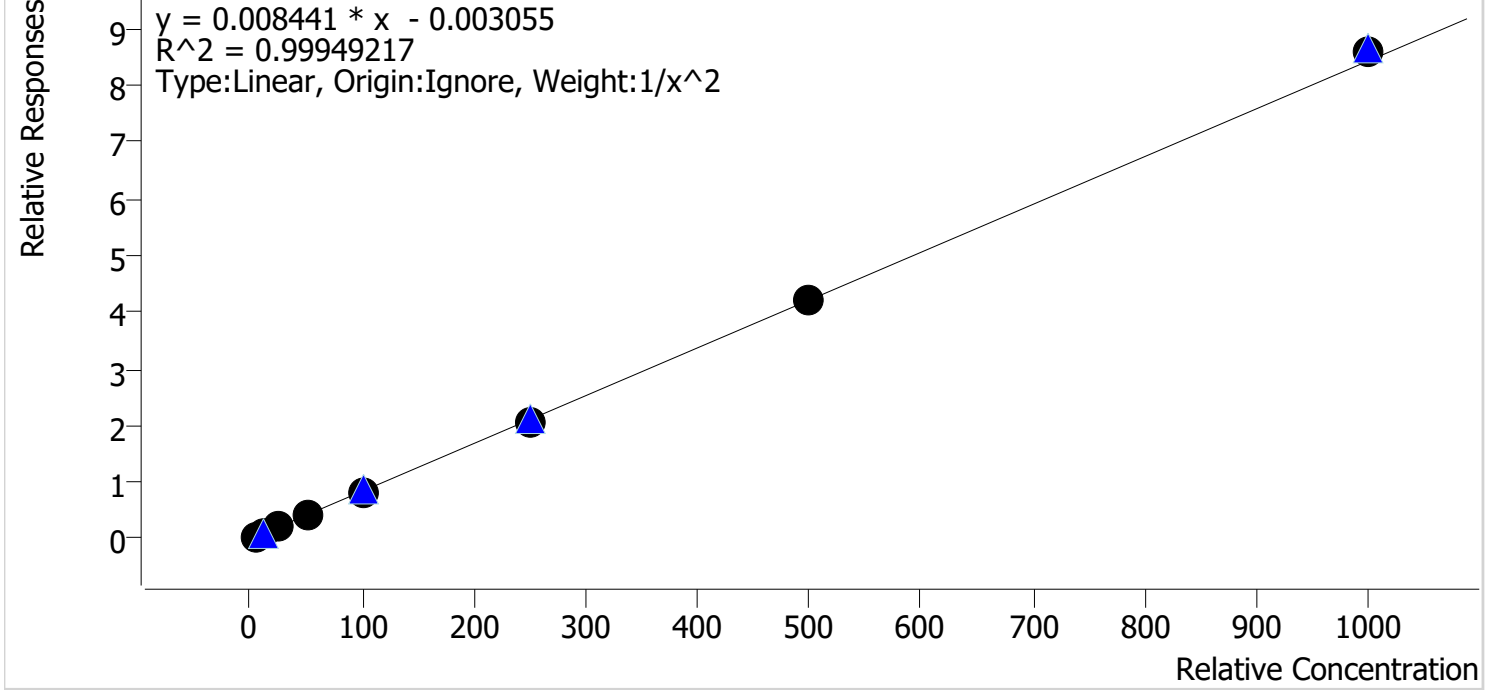


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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\041521 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
Last Cal. Update 4/20/2021 3:17 PM
Analyst Name ISP\Datastor
Analyte Dextrorphan **Internal Standard** Dextrorphan-D3

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



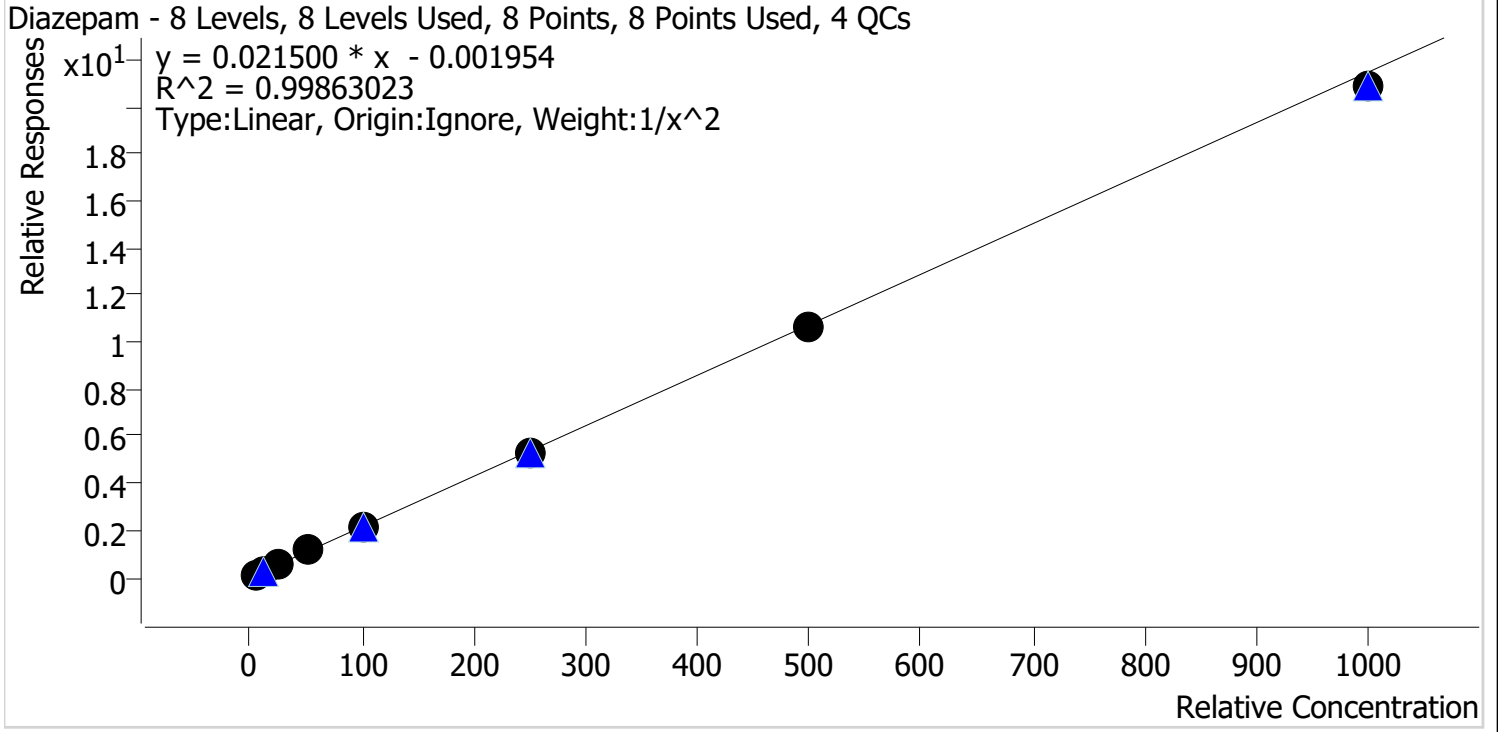
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.2
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.6
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.0
p1 Cal 4-50ng	4	✓	50.0	51.3	102.6
p1 Cal 5-100ng	5	✓	100.0	98.9	98.9
p1 Cal 6-250ng	6	✓	250.0	242.3	96.9
p1 Cal 7-500ng	7	✓	500.0	497.8	99.6
p1 Cal 8-1000ng	8	✓	1000.0	1022.3	102.2



TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\041521 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
Last Cal. Update 4/20/2021 3:17 PM
Analyst Name ISP\Datastor
Analyte Diazepam **Internal Standard** Diazepam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.2
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.0
p1 Cal 3 -25ng	3	✓	25.0	24.5	97.8
p1 Cal 4-50ng	4	✓	50.0	53.7	107.4
p1 Cal 5-100ng	5	✓	100.0	100.6	100.6
p1 Cal 6-250ng	6	✓	250.0	247.5	99.0
p1 Cal 7-500ng	7	✓	500.0	494.7	98.9
p1 Cal 8-1000ng	8	✓	1000.0	969.6	97.0

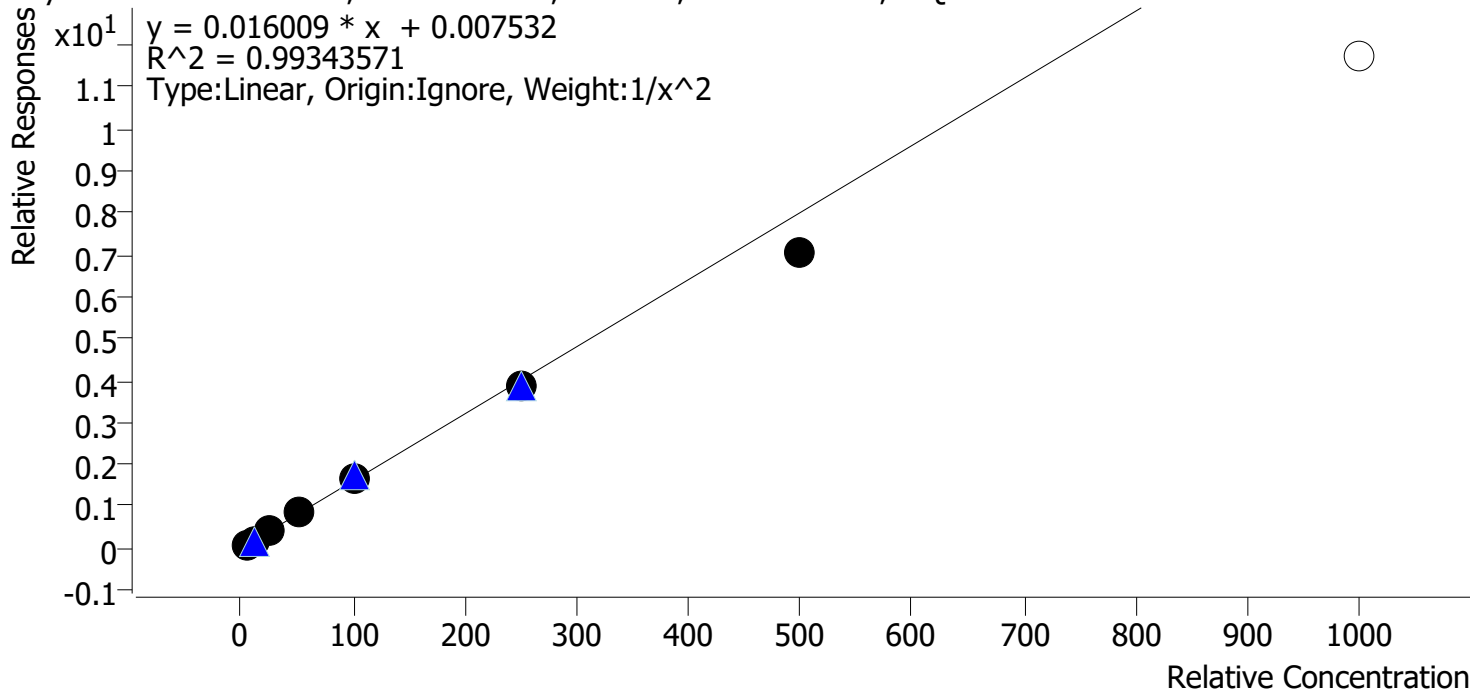
TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\041521 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
Last Cal. Update 4/20/2021 3:17 PM
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	97.6
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.2
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.2
p1 Cal 4-50ng	4	✓	50.0	54.8	109.6
p1 Cal 5-100ng	5	✓	100.0	104.4	104.4
p1 Cal 6-250ng	6	✓	250.0	243.1	97.2
p1 Cal 7-500ng	7	✓	500.0	438.5	87.7
p1 Cal 8-1000ng	8	✗	1000.0	732.4	73.2

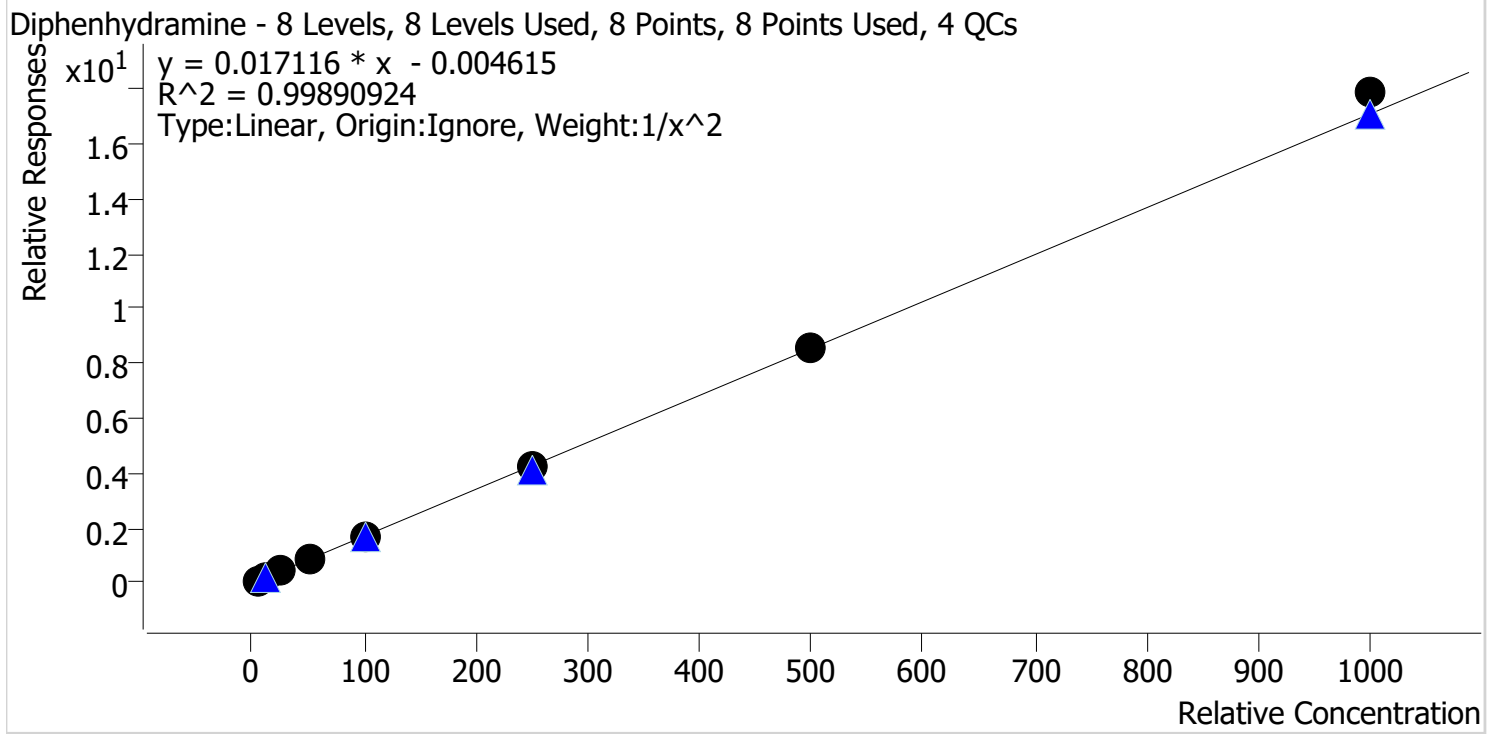
*Cal 8 removed due to accuracy

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\041521 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
Last Cal. Update 4/20/2021 3:17 PM
Analyst Name ISP\Datastor
Analyte Diphenhydramine **Internal Standard** Diphenhydramine-D3



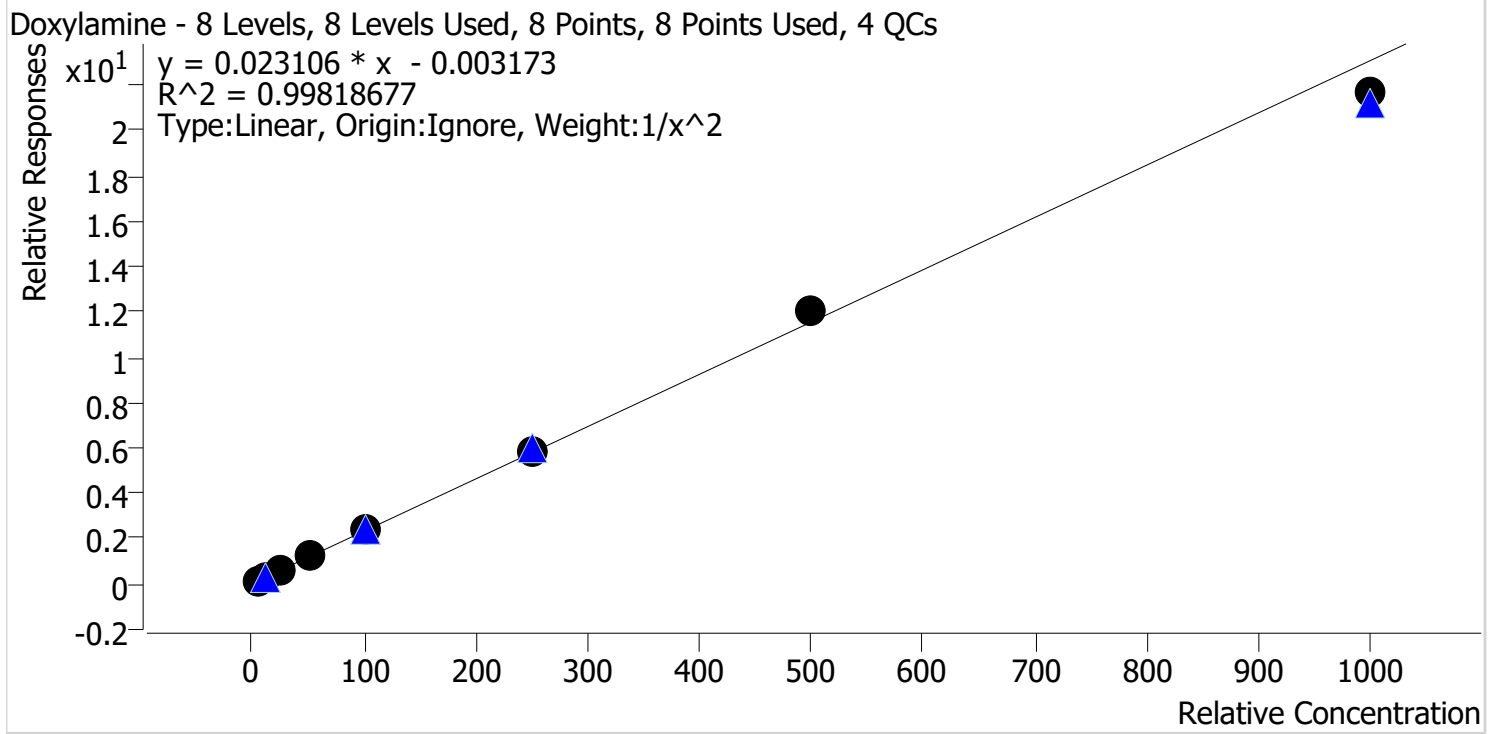
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.8
p1 Cal 2- 10ng	2	✓	10.0	9.8	97.6
p1 Cal 3 -25ng	3	✓	25.0	24.0	96.0
p1 Cal 4-50ng	4	✓	50.0	51.3	102.6
p1 Cal 5-100ng	5	✓	100.0	98.1	98.1
p1 Cal 6-250ng	6	✓	250.0	247.3	98.9
p1 Cal 7-500ng	7	✓	500.0	502.1	100.4
p1 Cal 8-1000ng	8	✓	1000.0	1045.4	104.5

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\041521 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
Last Cal. Update 4/20/2021 3:17 PM
Analyst Name ISP\Datastor
Analyte Doxylamine **Internal Standard** Doxylamine-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.6
p1 Cal 2- 10ng	2	✓	10.0	9.7	97.0
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.3
p1 Cal 4-50ng	4	✓	50.0	52.0	103.9
p1 Cal 5-100ng	5	✓	100.0	99.8	99.8
p1 Cal 6-250ng	6	✓	250.0	255.3	102.1
p1 Cal 7-500ng	7	✓	500.0	521.9	104.4
p1 Cal 8-1000ng	8	✓	1000.0	938.9	93.9

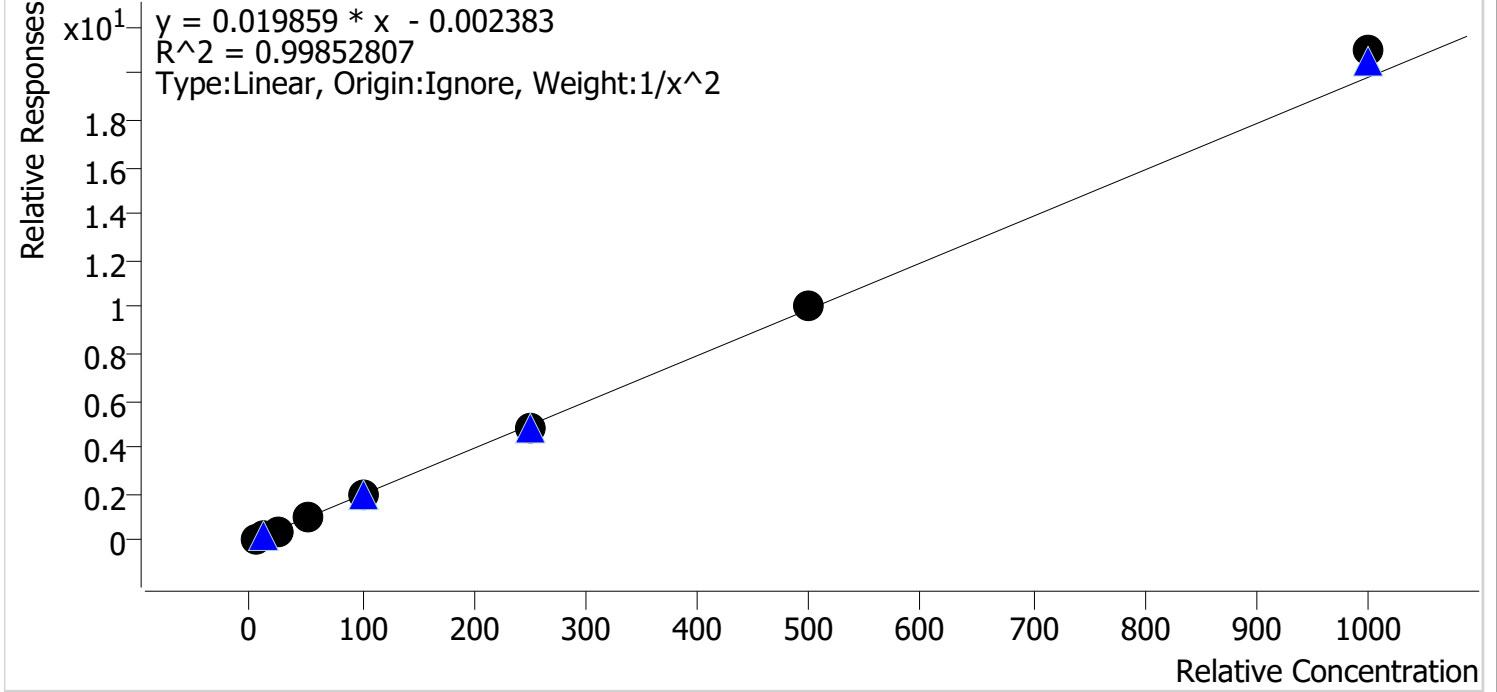


TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\041521 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
 Last Cal. Update 4/20/2021 3:17 PM
 Analyst Name ISP\Datastor
 Analyte EDDP Internal Standard EDDP-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.6
p1 Cal 2- 10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.8
p1 Cal 4-50ng	4	✓	50.0	50.6	101.3
p1 Cal 5-100ng	5	✓	100.0	97.9	97.9
p1 Cal 6-250ng	6	✓	250.0	245.2	98.1
p1 Cal 7-500ng	7	✓	500.0	509.3	101.9
p1 Cal 8-1000ng	8	✓	1000.0	1057.6	105.8

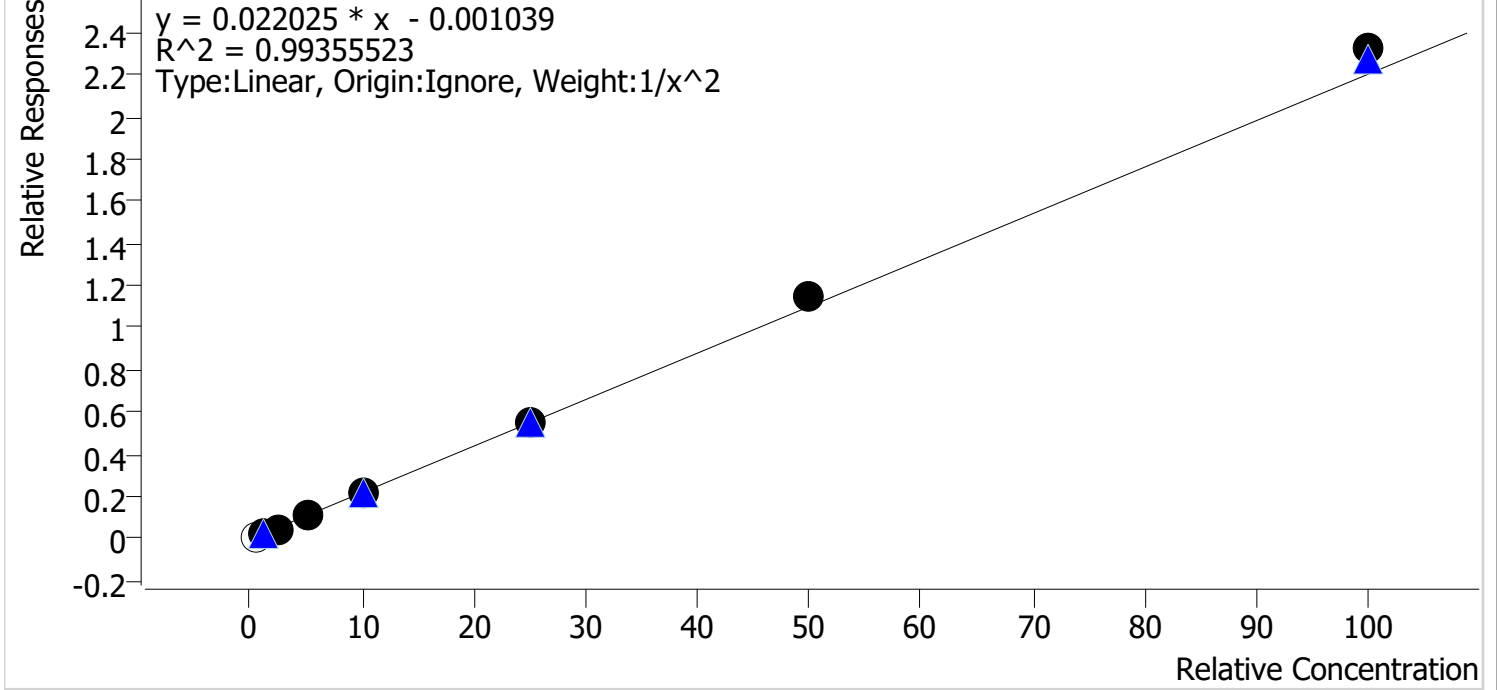


TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\041521 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
Last Cal. Update 4/20/2021 3:17 PM
Analyst Name ISP\Datastor
Analyte Fentanyl **Internal Standard** Fentanyl-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	x	0.5	0.5	99.3
p1 Cal 2- 10ng	2	✓	1.0	1.1	105.5
p1 Cal 3 -25ng	3	✓	2.5	2.1	85.7
p1 Cal 4-50ng	4	✓	5.0	5.0	100.8
p1 Cal 5-100ng	5	✓	10.0	9.9	99.1
p1 Cal 6-250ng	6	✓	25.0	24.7	98.9
p1 Cal 7-500ng	7	✓	50.0	52.2	104.4
p1 Cal 8-1000ng	8	✓	100.0	105.5	105.5

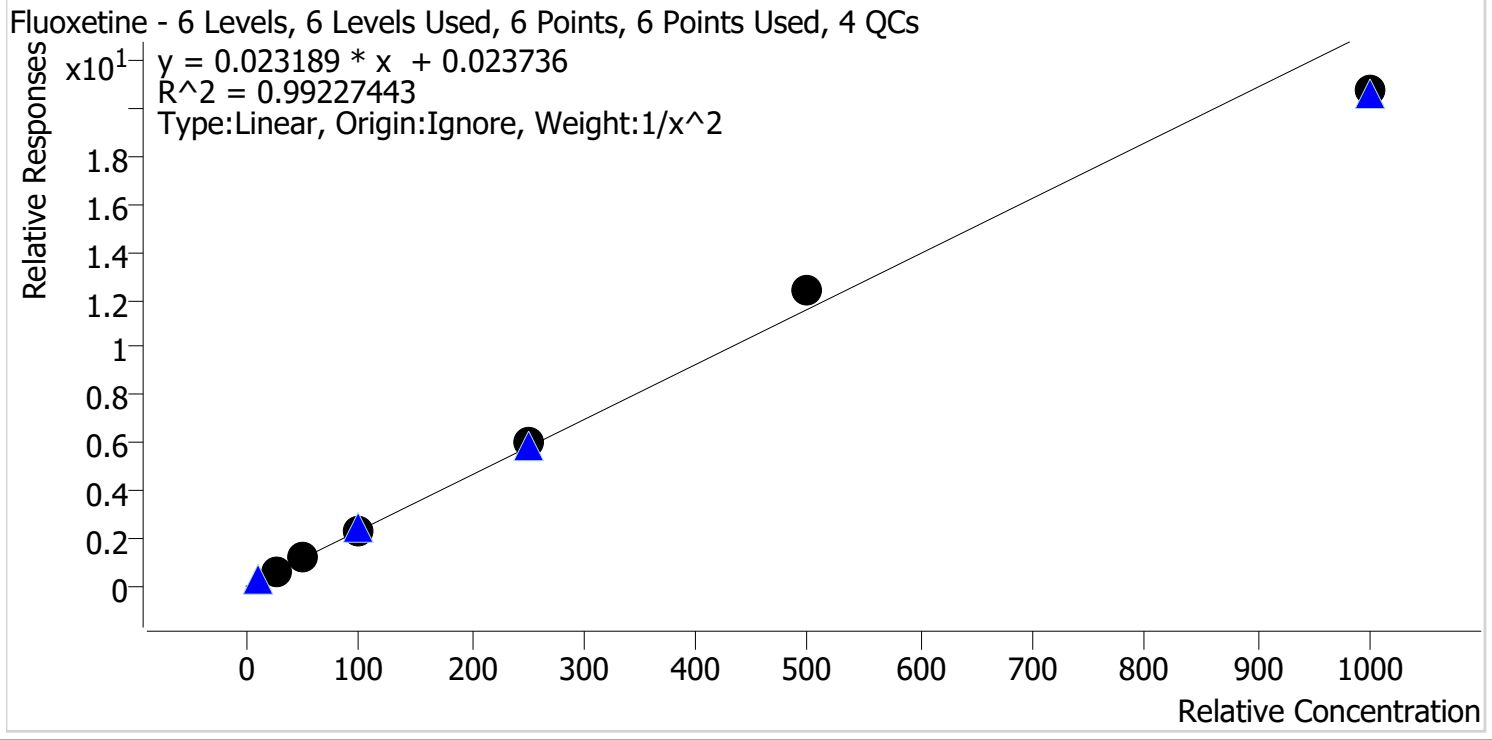
*Cal 1 removed due to S/N being out

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\041521 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
Last Cal. Update 4/20/2021 3:17 PM
Analyst Name ISP\Datastor
Analyte Fluoxetine **Internal Standard** Fluoxetine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.5
p1 Cal 4-50ng	4	✓	50.0	53.9	107.9
p1 Cal 5-100ng	5	✓	100.0	96.8	96.8
p1 Cal 6-250ng	6	✓	250.0	256.6	102.6
p1 Cal 7-500ng	7	✓	500.0	533.8	106.8
p1 Cal 8-1000ng	8	✓	1000.0	893.8	89.4

Compound not evaluated

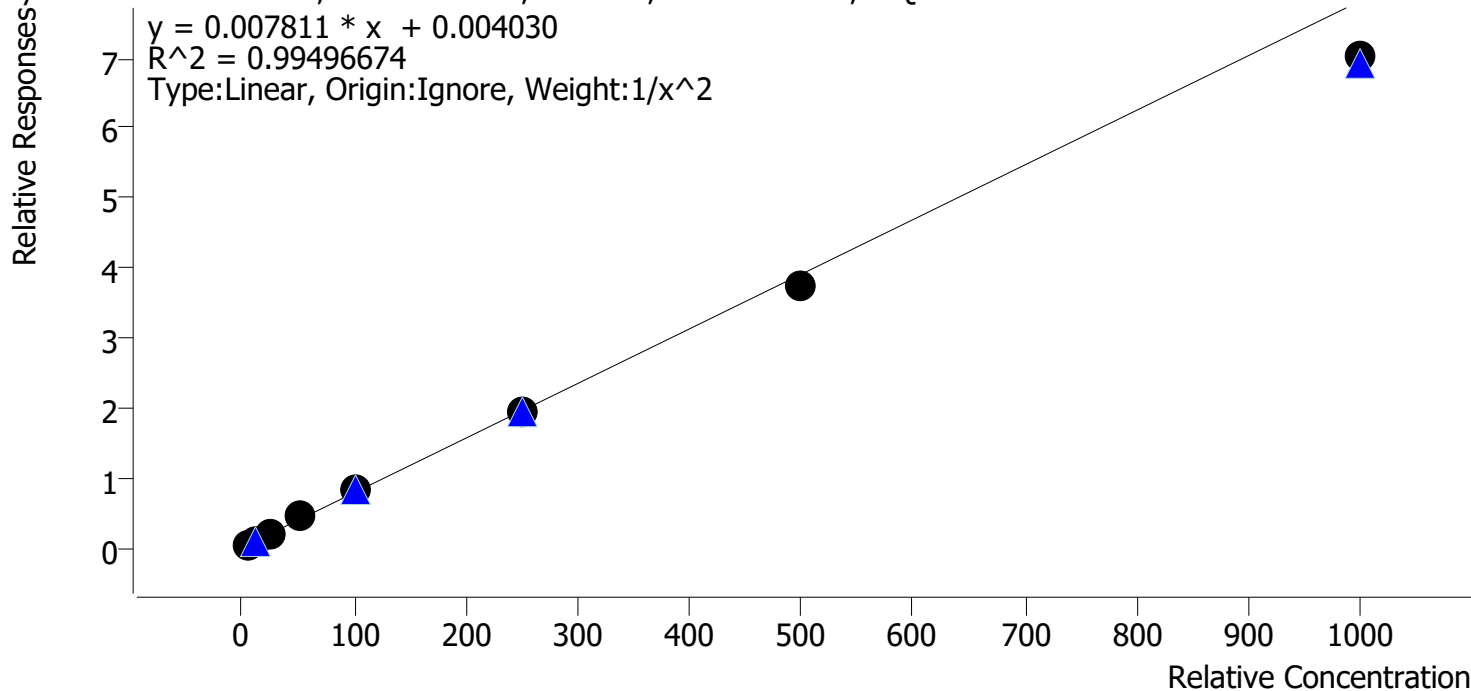
TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\041521 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
Last Cal. Update 4/20/2021 3:17 PM
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	4.9	97.4
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.2
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.0
p1 Cal 4-50ng	4	✓	50.0	55.4	110.9
p1 Cal 5-100ng	5	✓	100.0	102.7	102.7
p1 Cal 6-250ng	6	✓	250.0	248.8	99.5
p1 Cal 7-500ng	7	✓	500.0	477.1	95.4
p1 Cal 8-1000ng	8	✓	1000.0	898.3	89.8

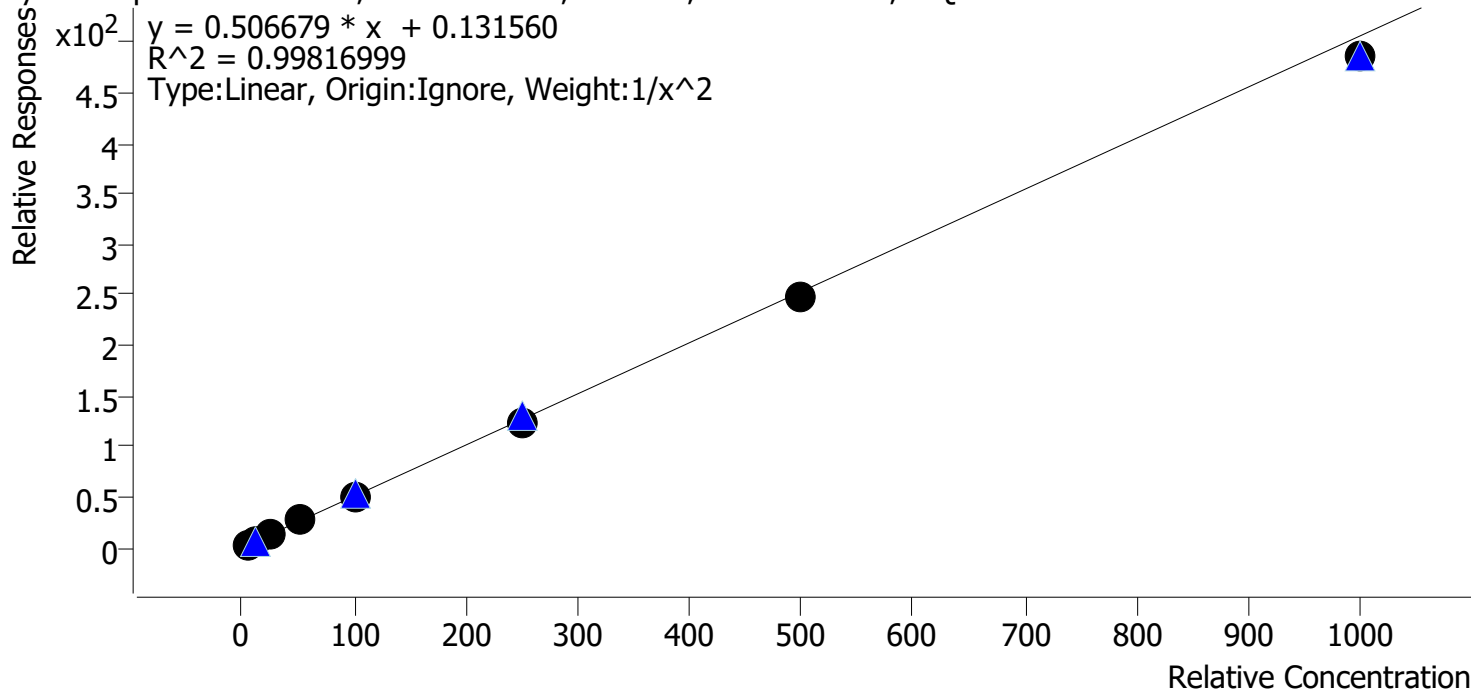
TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\041521 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
Last Cal. Update 4/20/2021 3:17 PM
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	5.0	99.6
p1 Cal 2- 10ng	2	✓	10.0	9.8	97.7
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.7
p1 Cal 4-50ng	4	✓	50.0	52.7	105.4
p1 Cal 5-100ng	5	✓	100.0	100.7	100.7
p1 Cal 6-250ng	6	✓	250.0	243.8	97.5
p1 Cal 7-500ng	7	✓	500.0	487.6	97.5
p1 Cal 8-1000ng	8	✓	1000.0	959.5	95.9

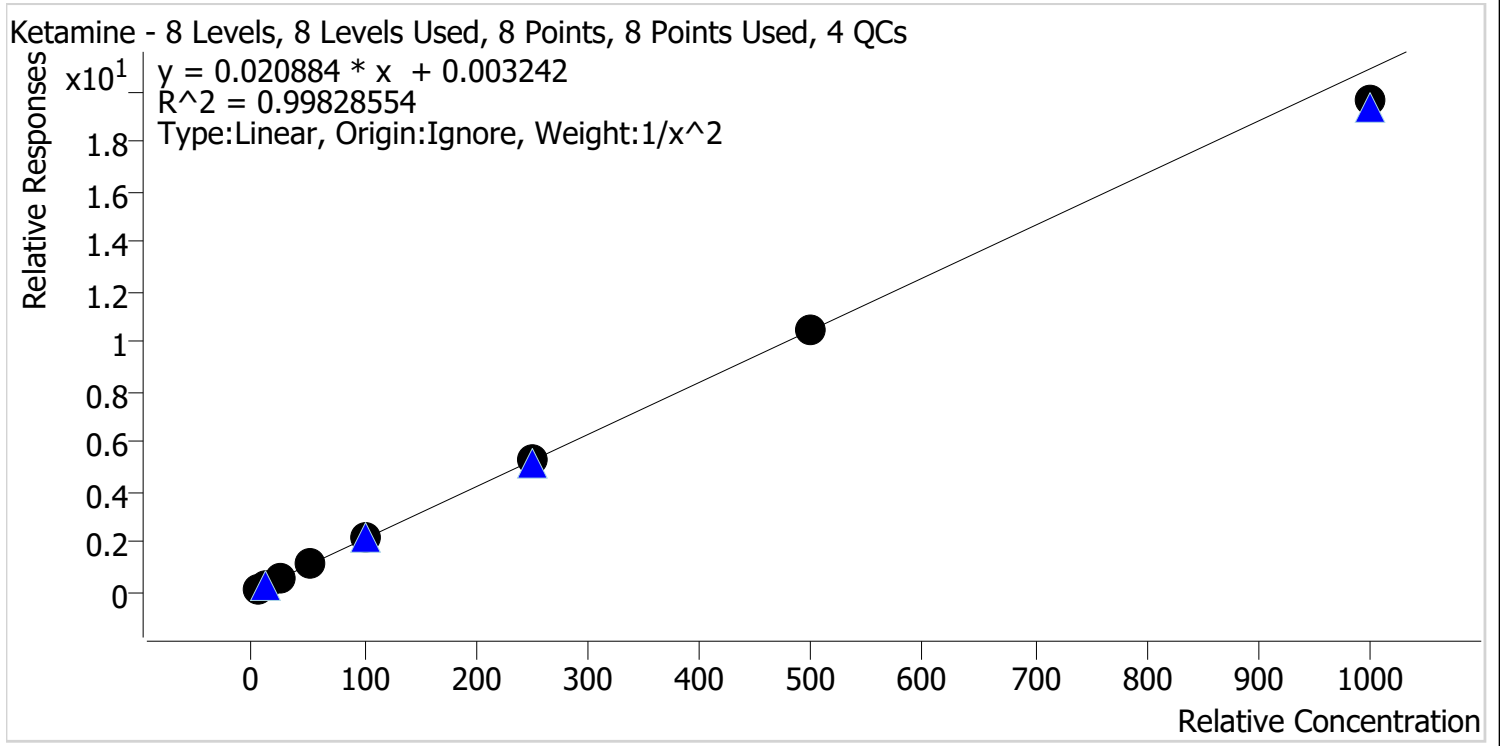
Compound evaluated qualitatively



TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\041521 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
Last Cal. Update 4/20/2021 3:17 PM
Analyst Name ISP\Datastor
Analyte Ketamine **Internal Standard** Ketamine-D4



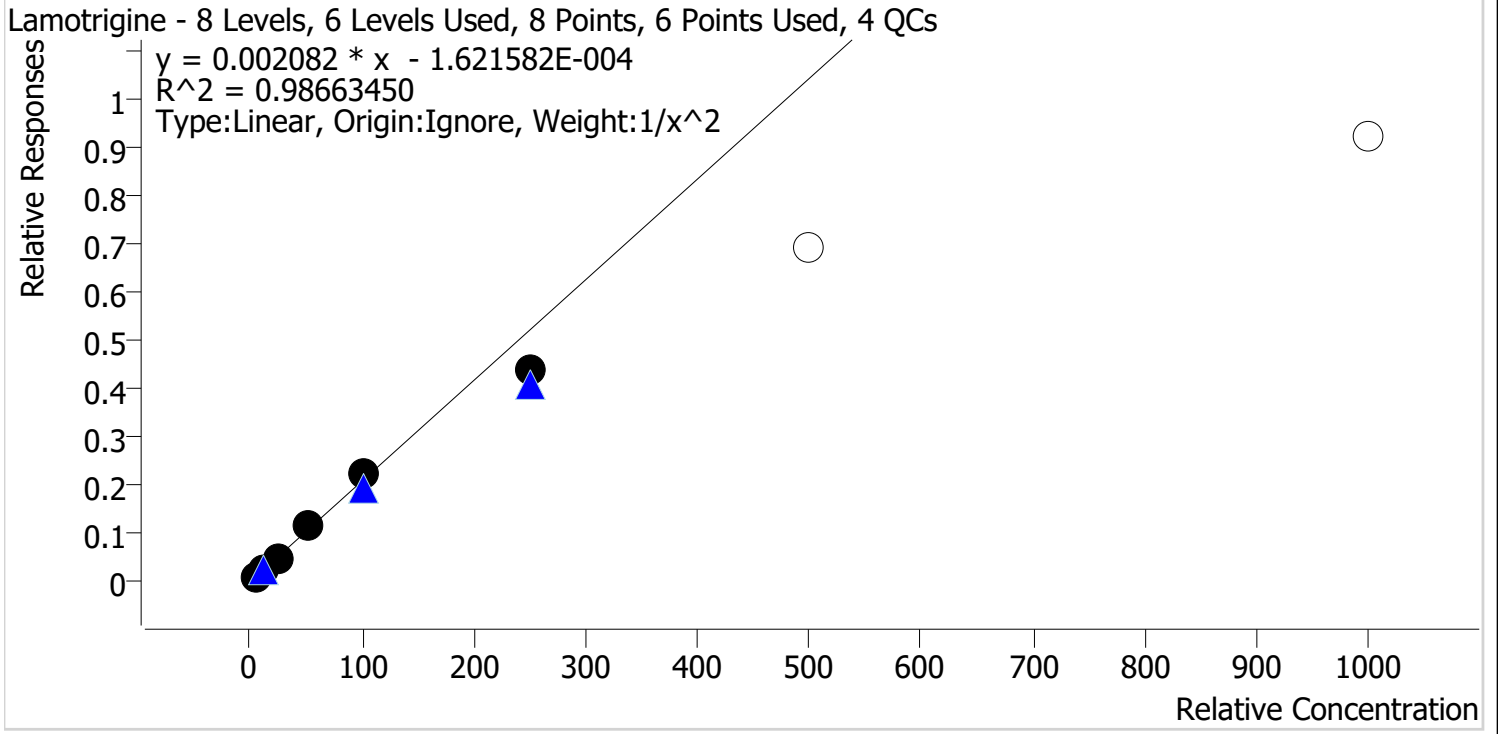
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.1
p1 Cal 2- 10ng	2	✓	10.0	9.9	98.9
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.2
p1 Cal 4-50ng	4	✓	50.0	53.3	106.6
p1 Cal 5-100ng	5	✓	100.0	102.2	102.2
p1 Cal 6-250ng	6	✓	250.0	251.3	100.5
p1 Cal 7-500ng	7	✓	500.0	497.3	99.5
p1 Cal 8-1000ng	8	✓	1000.0	939.1	93.9



TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\041521 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
Last Cal. Update 4/20/2021 3:17 PM
Analyst Name ISP\Datastor
Analyte Lamotrigine **Internal Standard** Ketamine-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.4
p1 Cal 2- 10ng	2	✓	10.0	10.7	106.7
p1 Cal 3 -25ng	3	✓	25.0	24.0	96.0
p1 Cal 4-50ng	4	✓	50.0	55.3	110.5
p1 Cal 5-100ng	5	✓	100.0	105.6	105.6
p1 Cal 6-250ng	6	✓	250.0	211.8	84.7
p1 Cal 7-500ng	7	x	500.0	330.6	66.1
p1 Cal 8-1000ng	8	x	1000.0	444.4	44.4

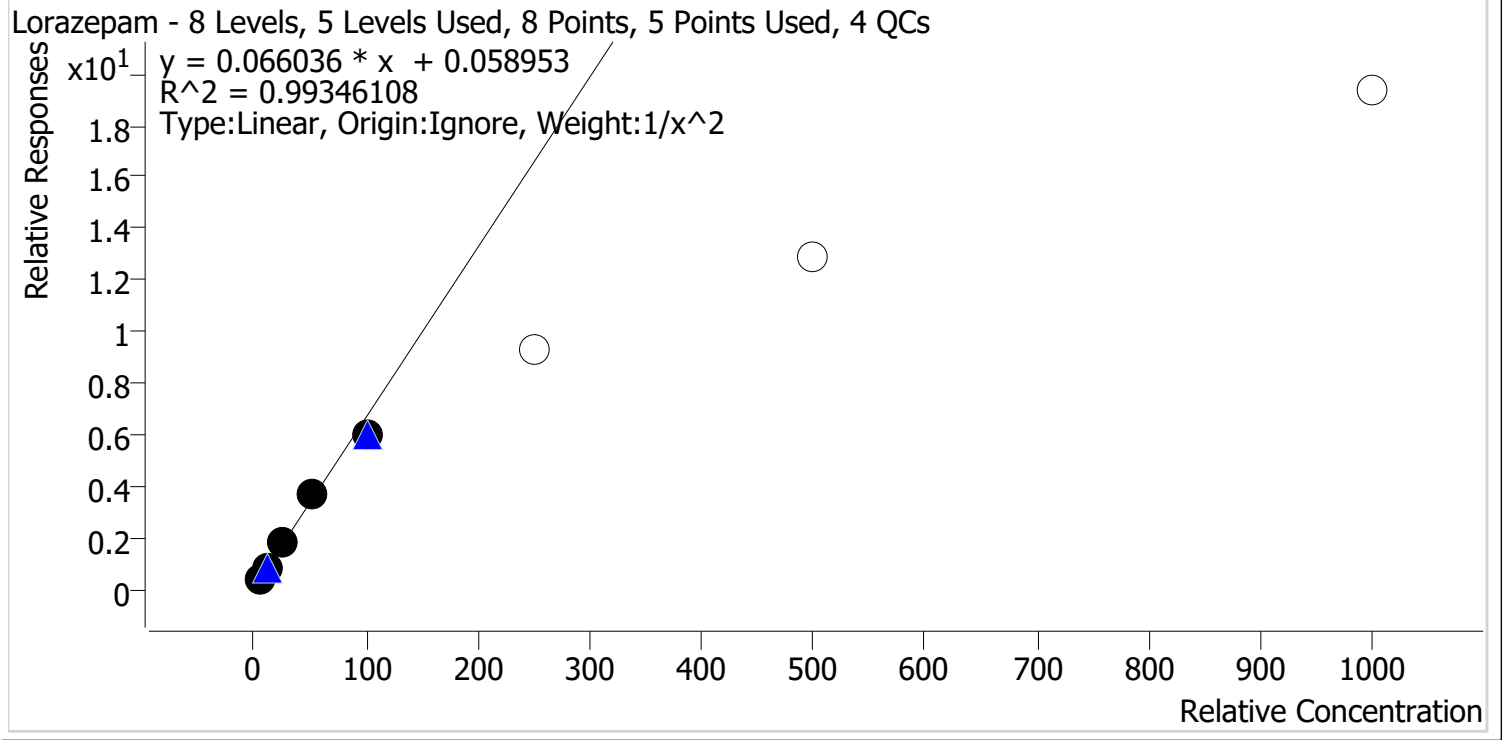
*Cal 7 and 8 removed due to accuracy

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\041521 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
Last Cal. Update 4/20/2021 3:17 PM
Analyst Name ISP\Datastor
Analyte Lorazepam **Internal Standard** Clonazepam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	99.0
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.5
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.4
p1 Cal 4-50ng	4	✓	50.0	53.8	107.7
p1 Cal 5-100ng	5	✓	100.0	90.5	90.5
p1 Cal 6-250ng	6	✗	250.0	140.9	56.4
p1 Cal 7-500ng	7	✗	500.0	194.3	38.9
p1 Cal 8-1000ng	8	✗	1000.0	292.1	29.2

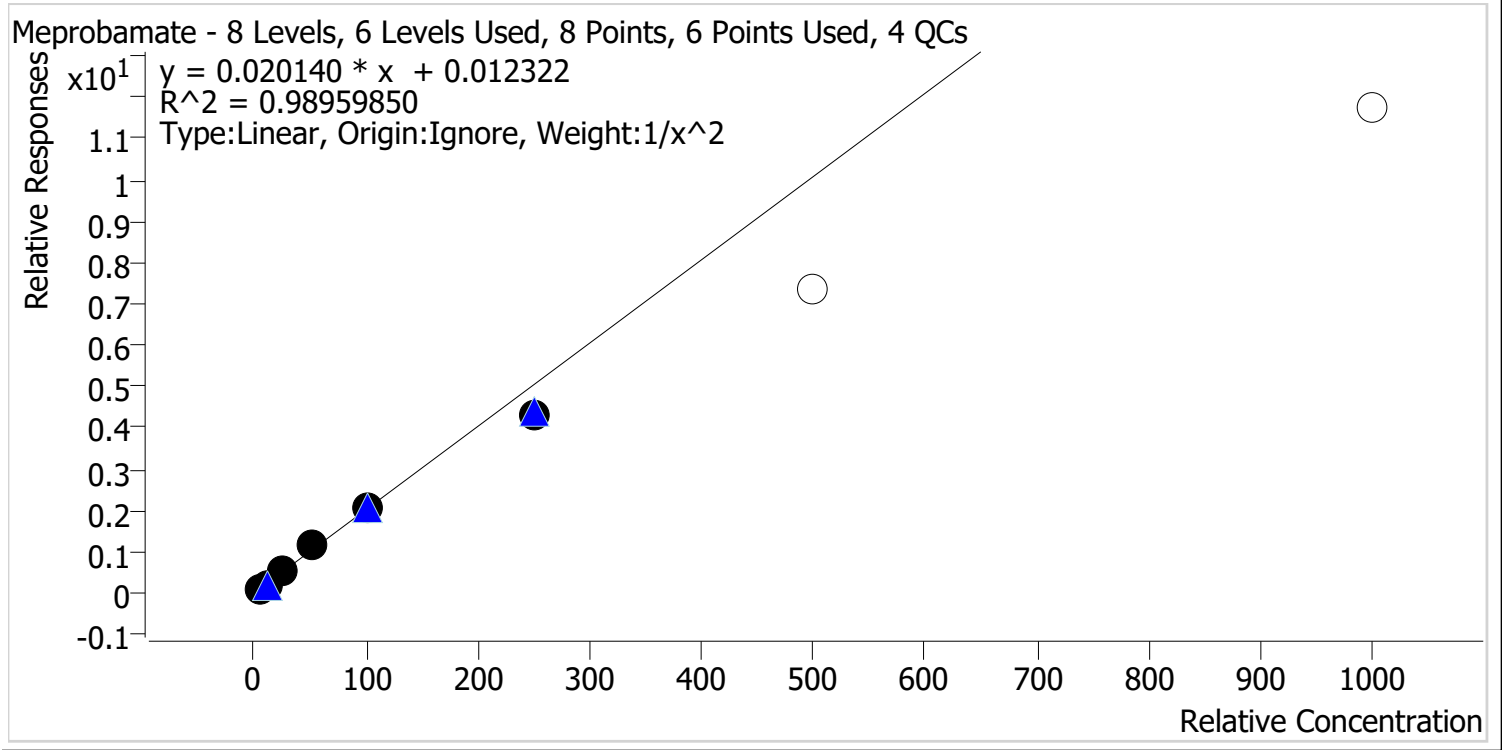
*Cal 6, 7, and 8 removed due to accuracy



TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\041521 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
Last Cal. Update 4/20/2021 3:17 PM
Analyst Name ISP\Datastor
Analyte Meprobamate **Internal Standard** Meprobamate-D7



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.9
p1 Cal 2- 10ng	2	✓	10.0	10.3	103.3
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.2
p1 Cal 4-50ng	4	✓	50.0	55.3	110.7
p1 Cal 5-100ng	5	✓	100.0	100.2	100.2
p1 Cal 6-250ng	6	✓	250.0	214.3	85.7
p1 Cal 7-500ng	7	✗	500.0	366.9	73.4
p1 Cal 8-1000ng	8	✗	1000.0	583.4	58.3

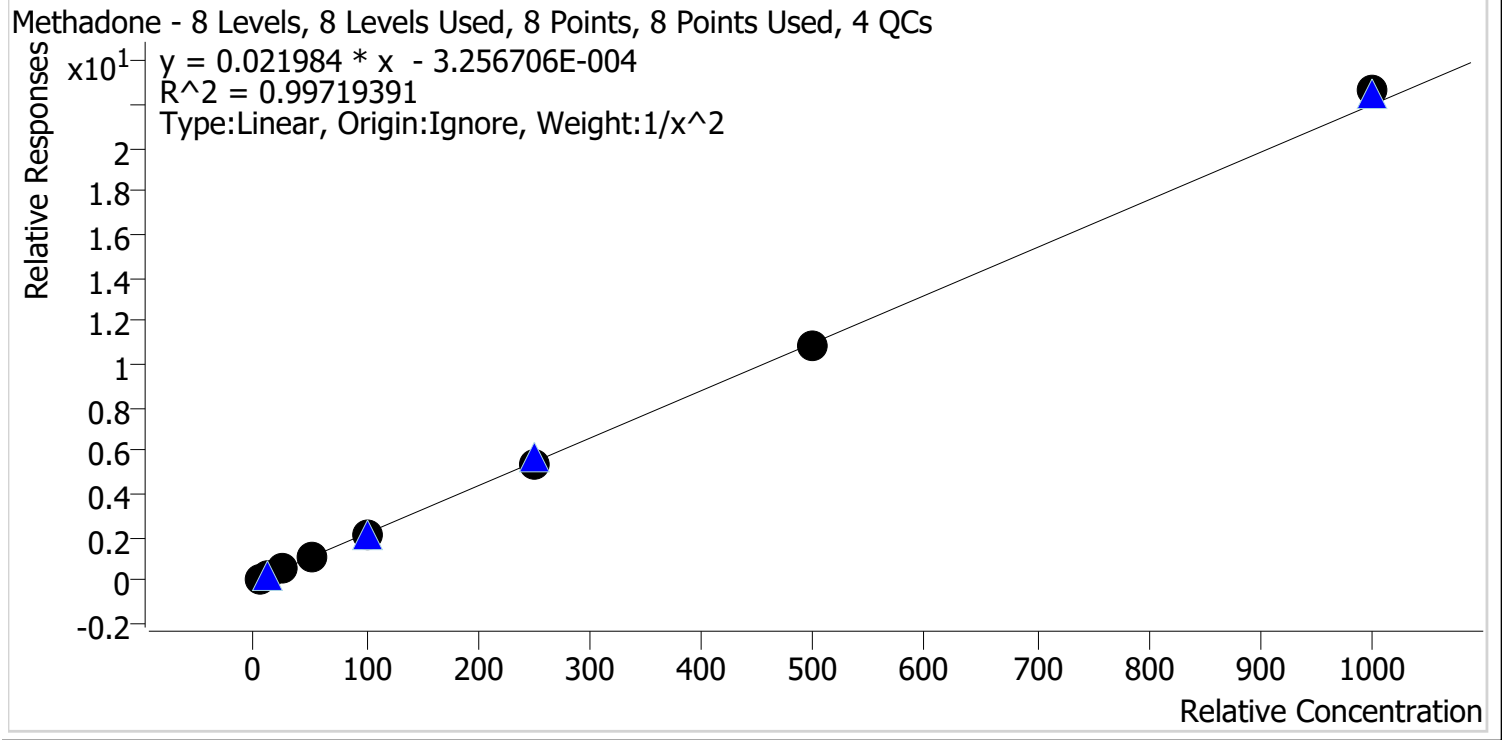
*Cal 7 and 8 removed due to accuracy

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\041521 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
Last Cal. Update 4/20/2021 3:17 PM
Analyst Name ISP\Datastor
Analyte Methadone **Internal Standard** Methadone-D9



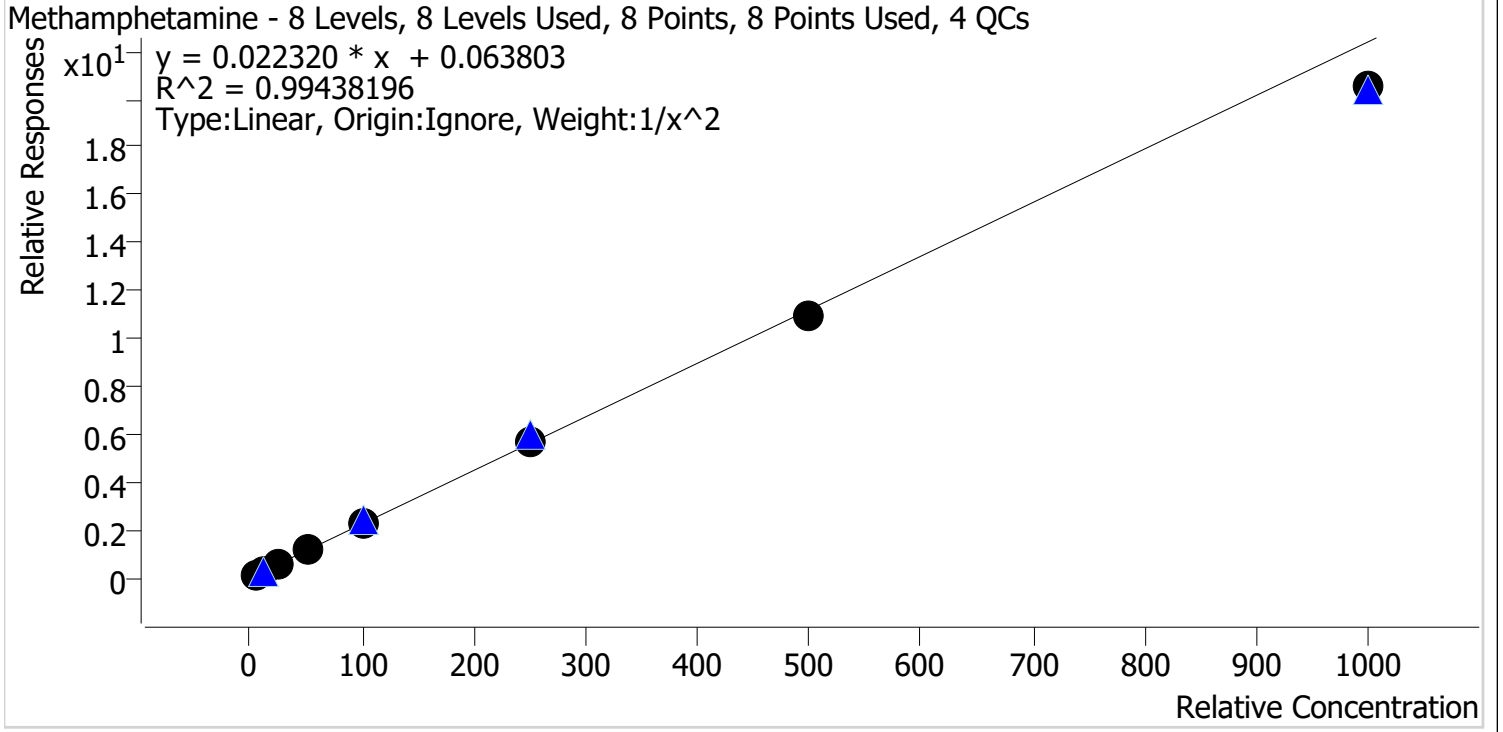
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.2
p1 Cal 2- 10ng	2	✓	10.0	9.7	96.9
p1 Cal 3 -25ng	3	✓	25.0	23.3	93.2
p1 Cal 4-50ng	4	✓	50.0	54.3	108.6
p1 Cal 5-100ng	5	✓	100.0	98.6	98.6
p1 Cal 6-250ng	6	✓	250.0	247.6	99.0
p1 Cal 7-500ng	7	✓	500.0	493.2	98.6
p1 Cal 8-1000ng	8	✓	1000.0	1029.6	103.0



TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\041521 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
Last Cal. Update 4/20/2021 3:17 PM
Analyst Name ISP\Datastor
Analyte Methamphetamine **Internal Standard** Methamphetamine-D11



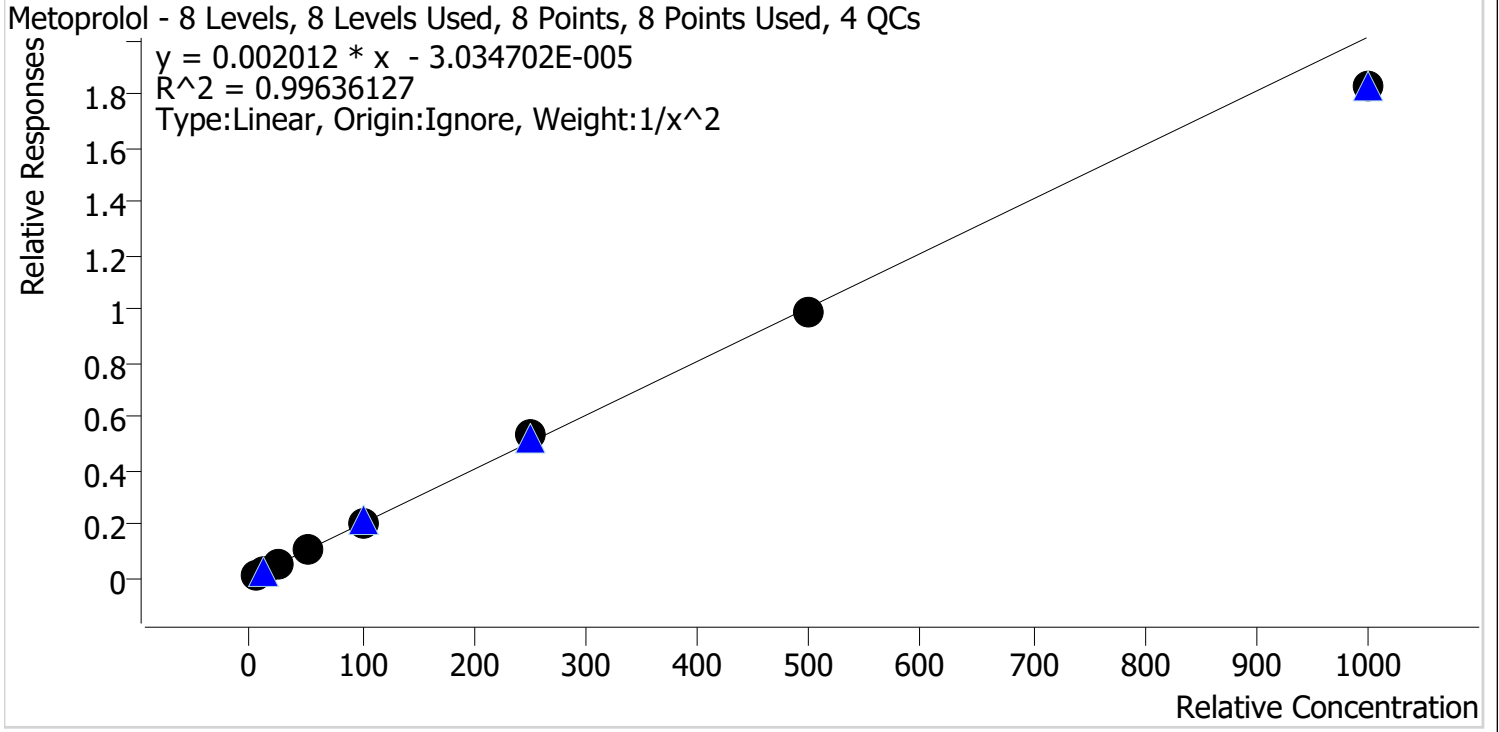
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.6
p1 Cal 2- 10ng	2	✓	10.0	9.1	90.8
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.9
p1 Cal 4-50ng	4	✓	50.0	55.1	110.1
p1 Cal 5-100ng	5	✓	100.0	104.1	104.1
p1 Cal 6-250ng	6	✓	250.0	256.3	102.5
p1 Cal 7-500ng	7	✓	500.0	491.6	98.3
p1 Cal 8-1000ng	8	✓	1000.0	916.4	91.6



TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\041521 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
 Last Cal. Update 4/20/2021 3:17 PM
 Analyst Name ISP\Datastor
 Analyte Metoprolol Internal Standard Tramadol-13C-D3



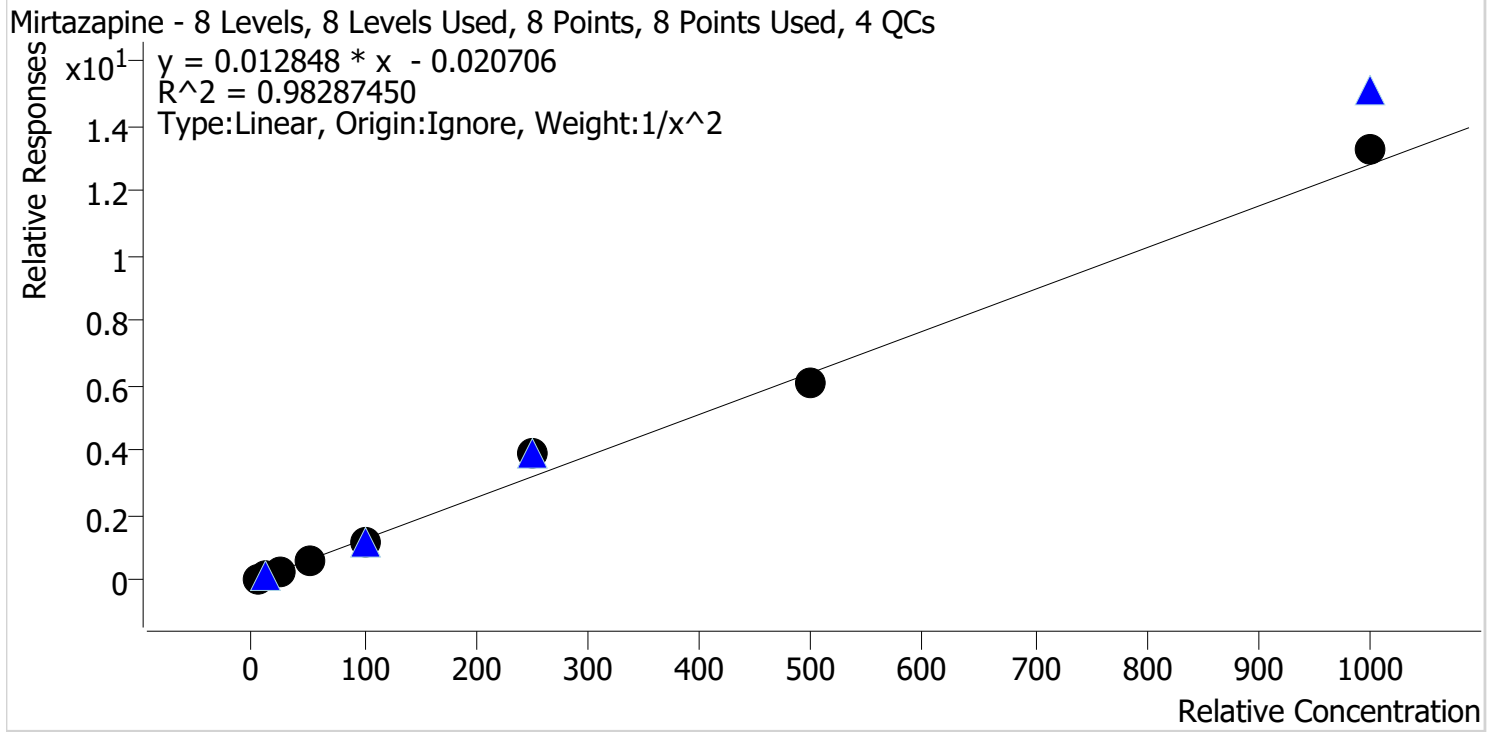
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.6
p1 Cal 2- 10ng	2	✓	10.0	9.7	97.5
p1 Cal 3 -25ng	3	✓	25.0	24.7	99.0
p1 Cal 4-50ng	4	✓	50.0	54.0	107.9
p1 Cal 5-100ng	5	✓	100.0	100.8	100.8
p1 Cal 6-250ng	6	✓	250.0	263.7	105.5
p1 Cal 7-500ng	7	✓	500.0	490.6	98.1
p1 Cal 8-1000ng	8	✓	1000.0	906.3	90.6

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\041521 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
Last Cal. Update 4/20/2021 3:17 PM
Analyst Name ISP\Datastor
Analyte Mirtazapine **Internal Standard** alpha-PVP-d8



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.4	107.7
p1 Cal 2- 10ng	2	✓	10.0	8.6	86.5
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.2
p1 Cal 4-50ng	4	✓	50.0	51.1	102.2
p1 Cal 5-100ng	5	✓	100.0	88.8	88.8
p1 Cal 6-250ng	6	✓	250.0	304.7	121.9
p1 Cal 7-500ng	7	✓	500.0	471.5	94.3
p1 Cal 8-1000ng	8	✓	1000.0	1034.8	103.5

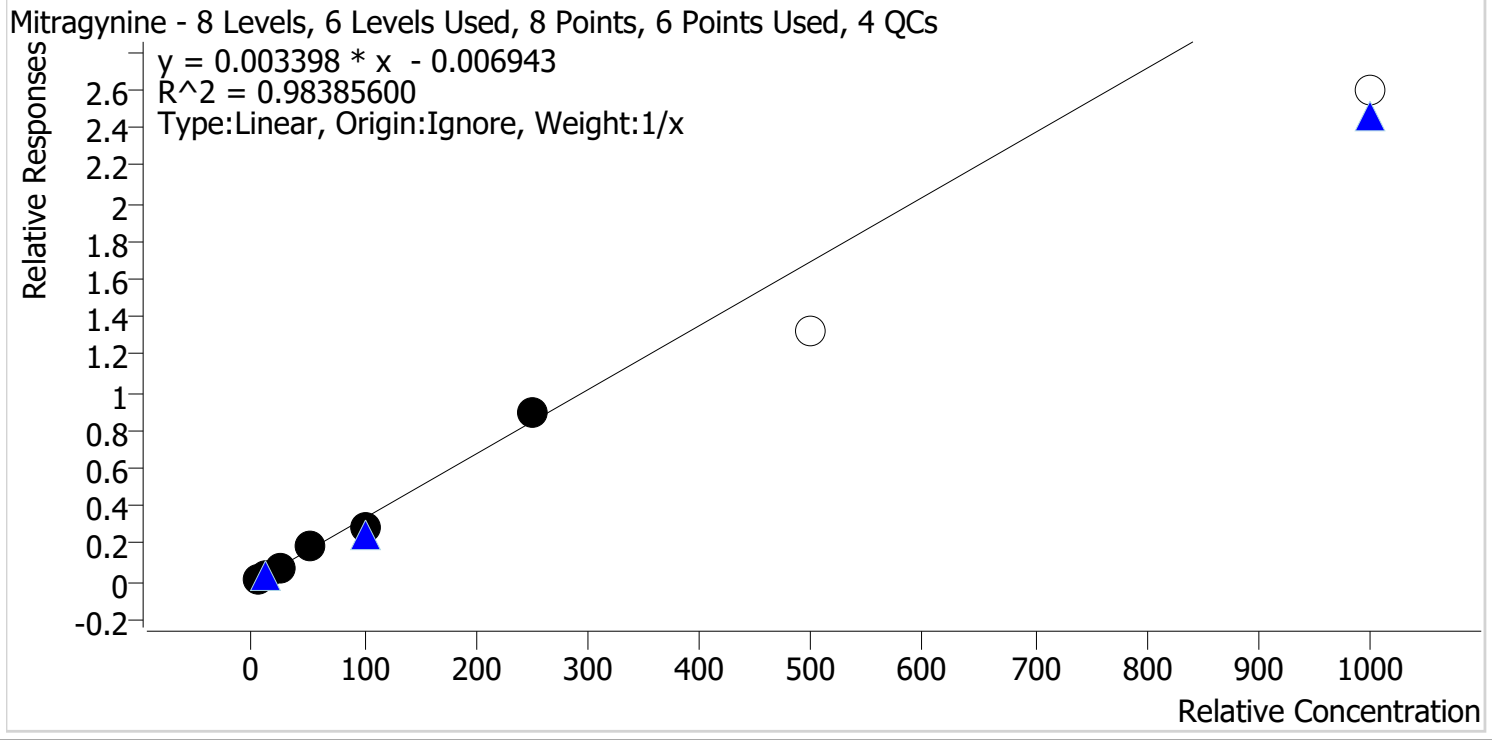
Compound not evaluated

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\041521 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
Last Cal. Update 4/20/2021 3:17 PM
Analyst Name ISP\Datastor
Analyte Mitragynine **Internal Standard** Methadone-D9



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	6.0	120.2
p1 Cal 2- 10ng	2	✓	10.0	9.9	98.9
p1 Cal 3 -25ng	3	✓	25.0	20.1	80.6
p1 Cal 4-50ng	4	✓	50.0	55.6	111.2
p1 Cal 5-100ng	5	✓	100.0	82.9	82.9
p1 Cal 6-250ng	6	✓	250.0	265.4	106.2
p1 Cal 7-500ng	7	x	500.0	393.0	78.6
p1 Cal 8-1000ng	8	x	1000.0	765.6	76.6

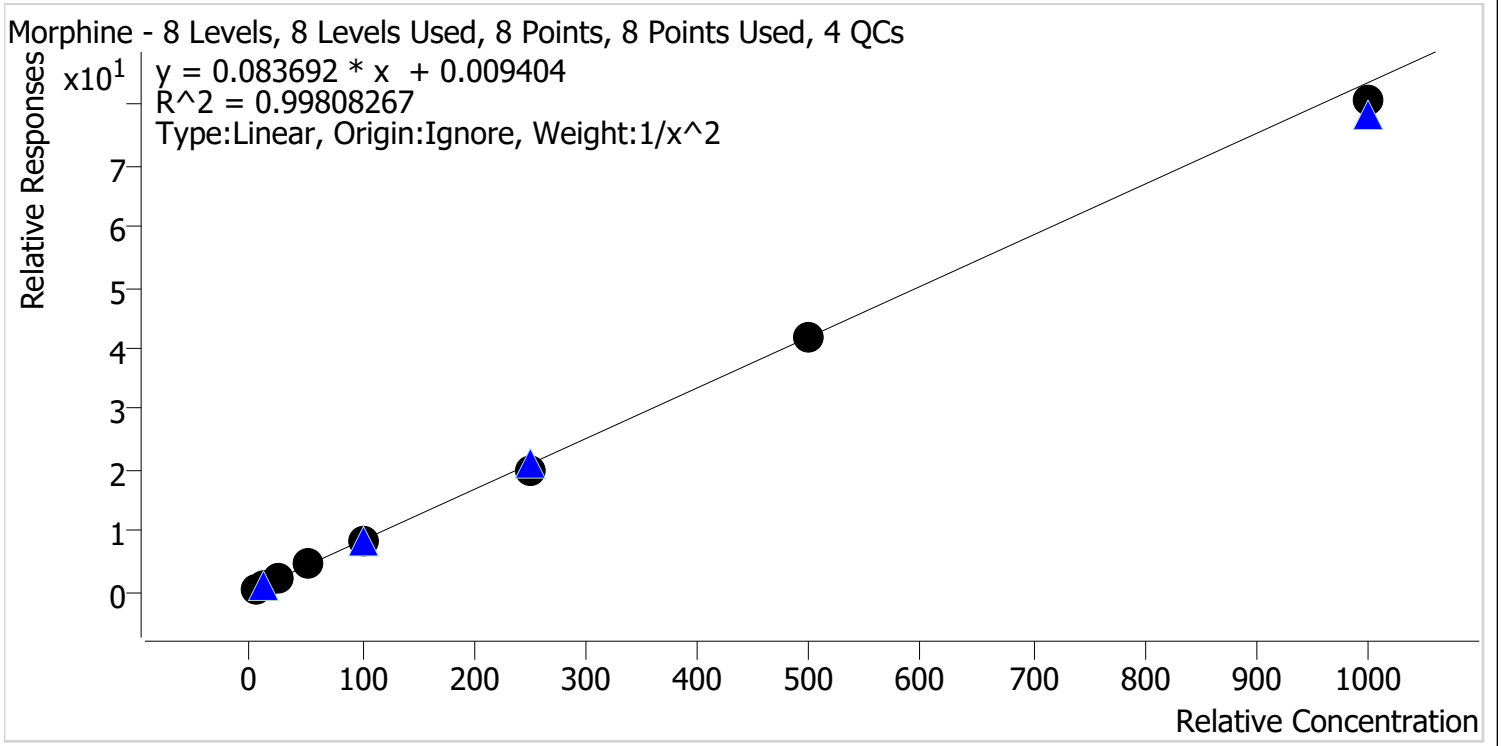
*Cal 7 and 8 removed due to accuracy



TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\041521 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
Last Cal. Update 4/20/2021 3:17 PM
Analyst Name ISP\Datastor
Analyte Morphine **Internal Standard** Morphine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.7
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.0
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.3
p1 Cal 4-50ng	4	✓	50.0	54.2	108.4
p1 Cal 5-100ng	5	✓	100.0	100.0	100.0
p1 Cal 6-250ng	6	✓	250.0	239.7	95.9
p1 Cal 7-500ng	7	✓	500.0	501.8	100.4
p1 Cal 8-1000ng	8	✓	1000.0	964.5	96.5

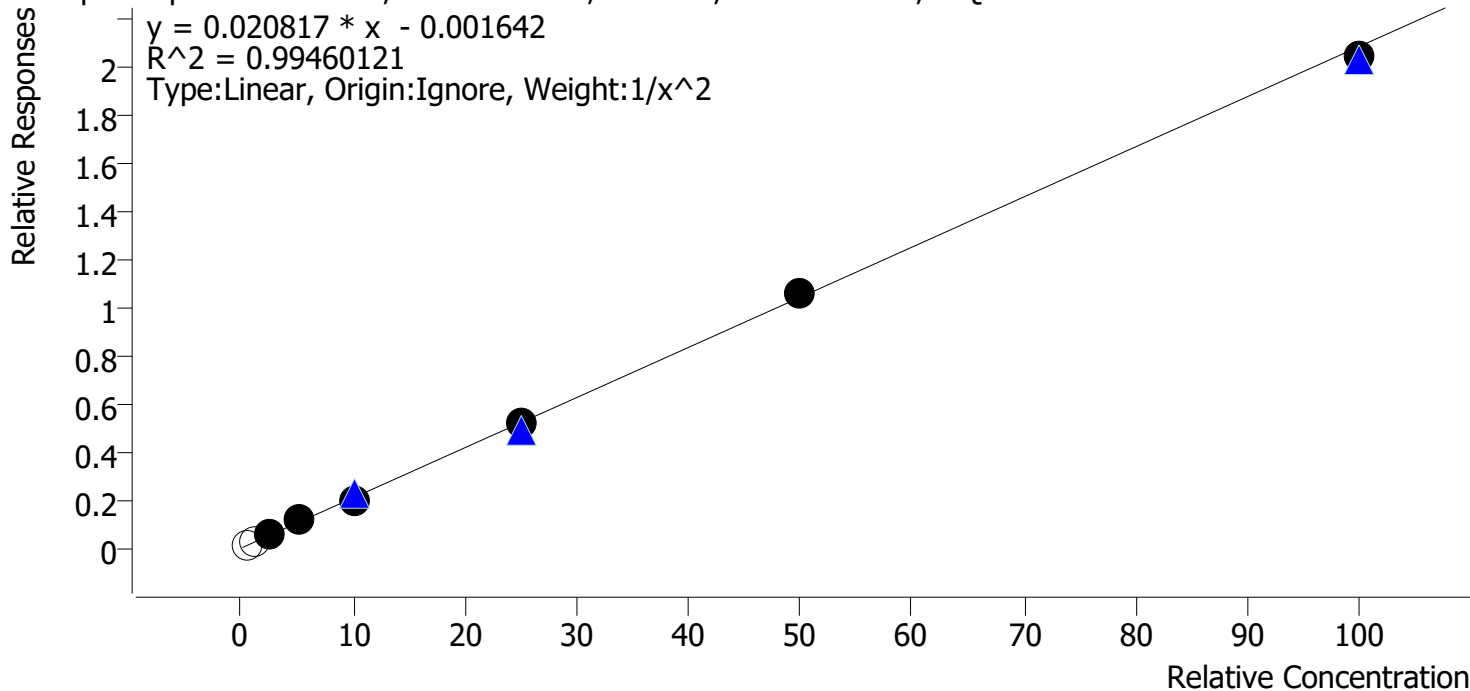
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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\041521 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
Last Cal. Update 4/20/2021 3:17 PM
Analyst Name ISP\Datastor
Analyte Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

Norbuprenorphine - 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	0.6	129.9
p1 Cal 2- 10ng	2	x	1.0	1.0	97.4
p1 Cal 3 -25ng	3	✓	2.5	2.4	95.9
p1 Cal 4-50ng	4	✓	5.0	5.5	111.0
p1 Cal 5-100ng	5	✓	10.0	9.5	94.7
p1 Cal 6-250ng	6	✓	25.0	24.7	98.7
p1 Cal 7-500ng	7	✓	50.0	50.9	101.8
p1 Cal 8-1000ng	8	✓	100.0	98.0	98.0

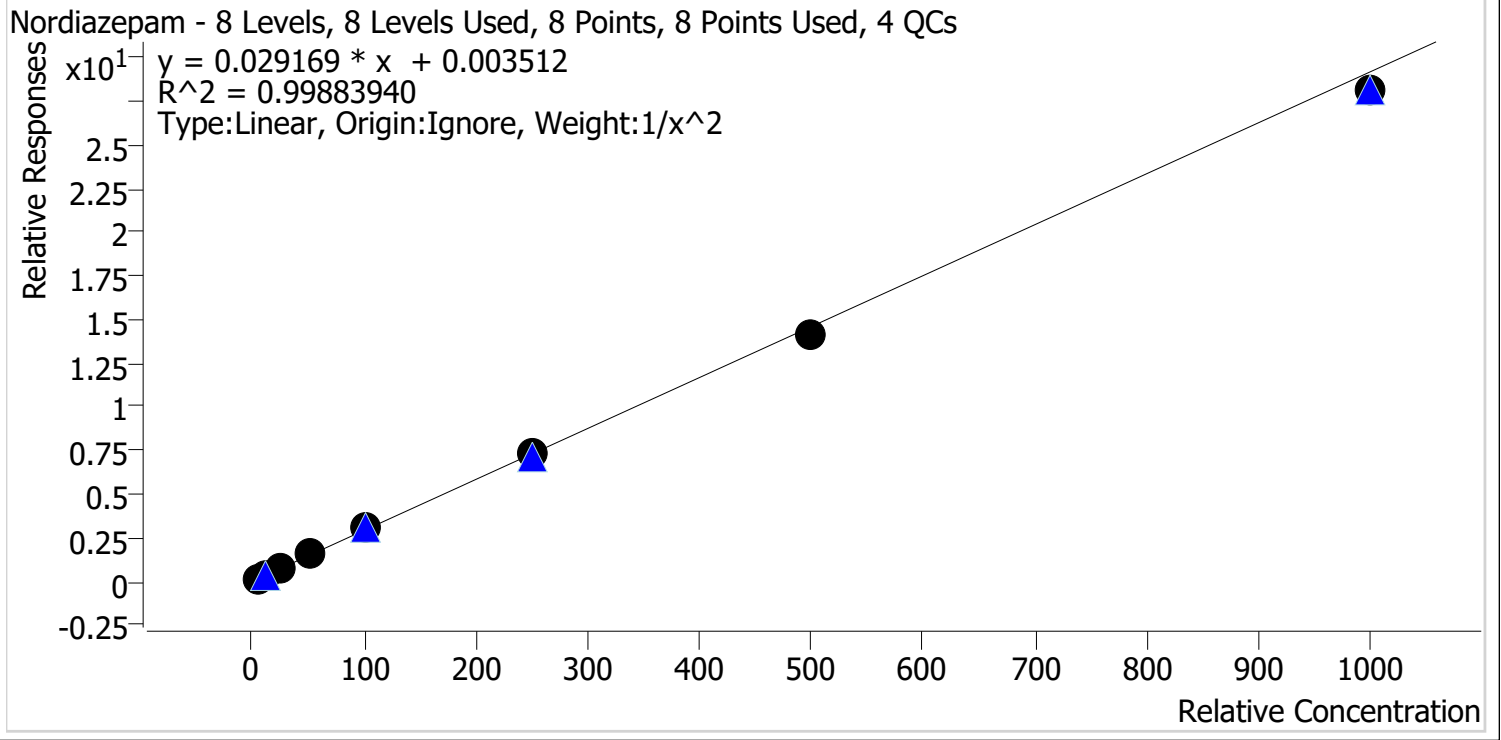
*Cal 1 and 2 removed due to S/N being out



TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\041521 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
Last Cal. Update 4/20/2021 3:17 PM
Analyst Name ISP\Datastor
Analyte Nordiazepam **Internal Standard** Nordiazepam-D5



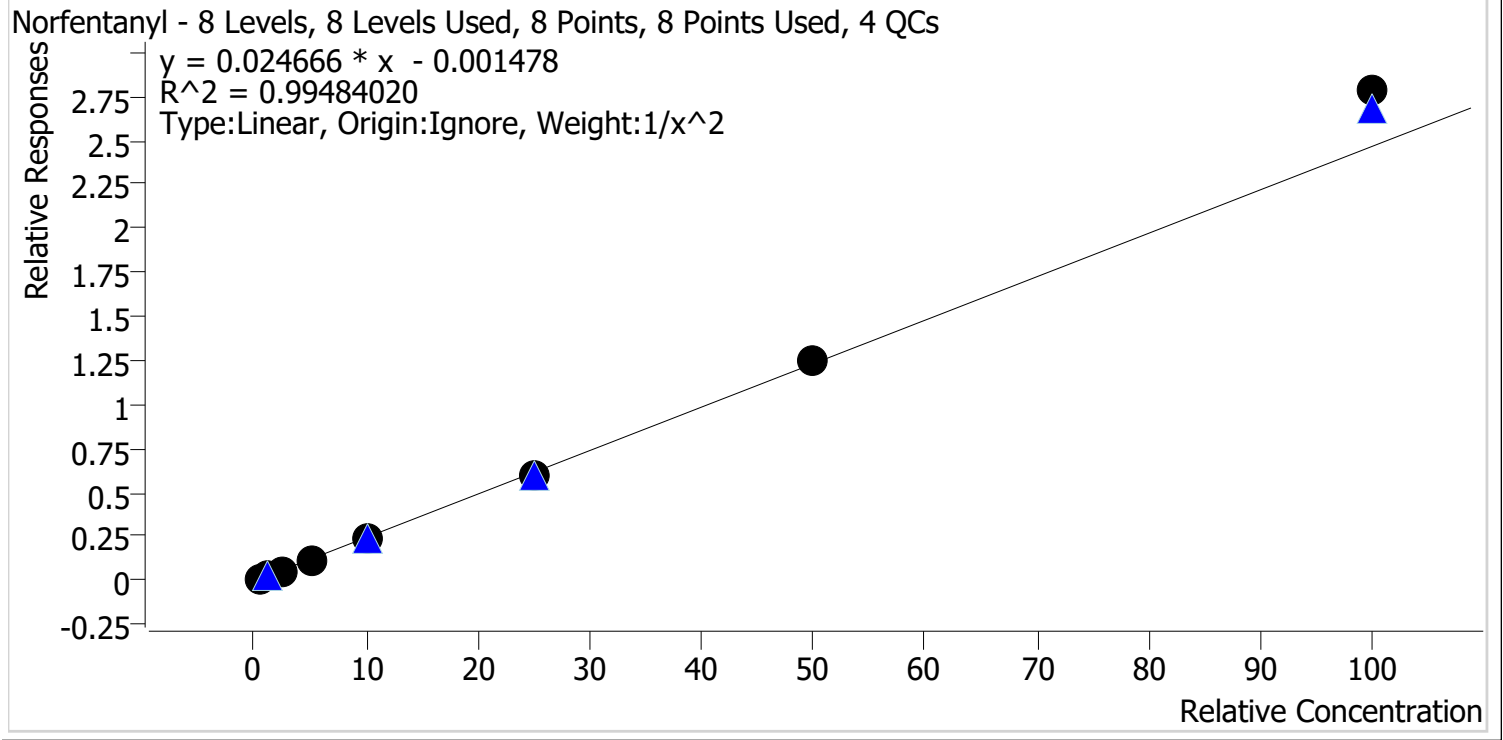
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.7
p1 Cal 2- 10ng	2	✓	10.0	9.8	97.6
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.5
p1 Cal 4-50ng	4	✓	50.0	52.3	104.7
p1 Cal 5-100ng	5	✓	100.0	102.3	102.3
p1 Cal 6-250ng	6	✓	250.0	254.8	101.9
p1 Cal 7-500ng	7	✓	500.0	485.7	97.1
p1 Cal 8-1000ng	8	✓	1000.0	960.9	96.1



TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\041521 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
Last Cal. Update 4/20/2021 3:17 PM
Analyst Name ISP\Datastor
Analyte Norfentanyl **Internal Standard** Norfentanyl-D5



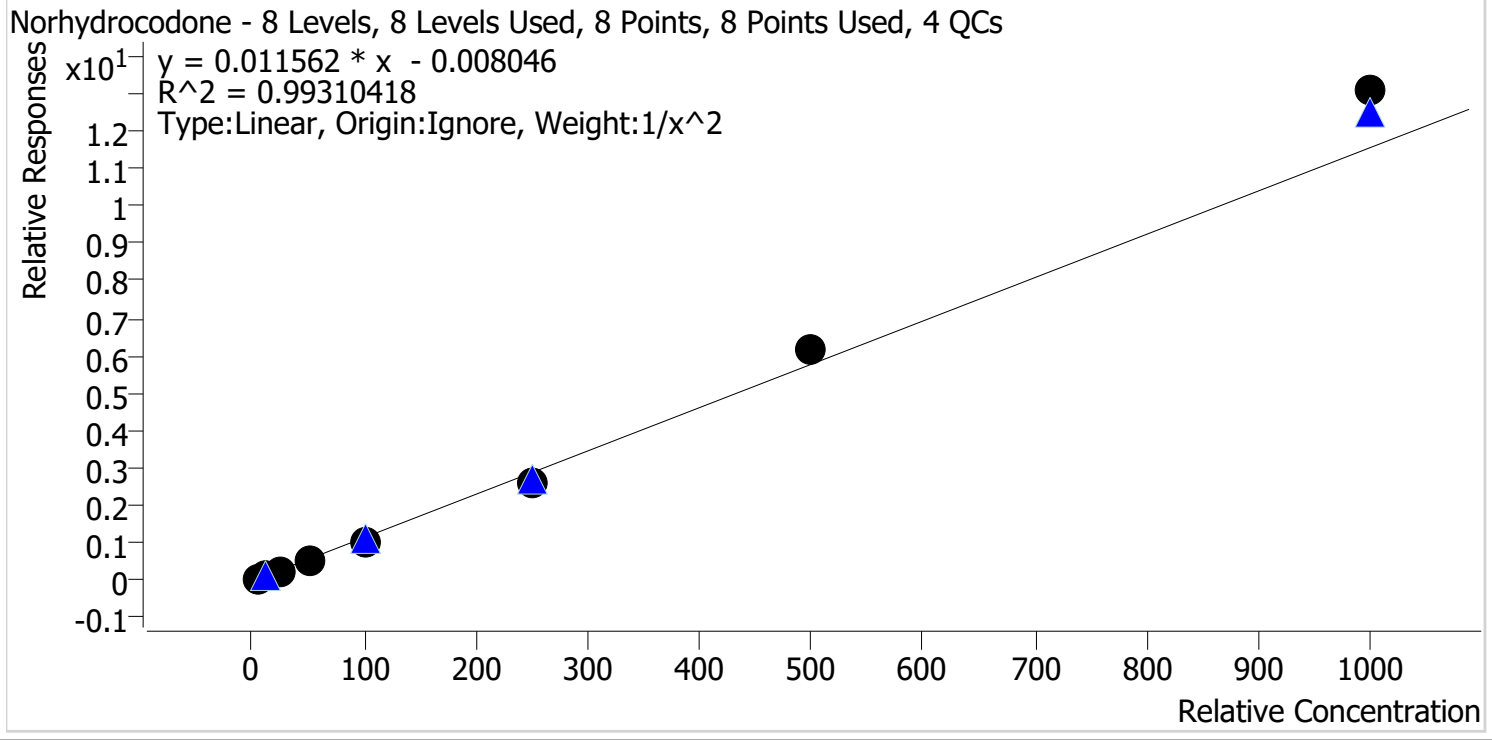
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	102.8
p1 Cal 2- 10ng	2	✓	1.0	1.0	98.3
p1 Cal 3 -25ng	3	✓	2.5	2.3	91.4
p1 Cal 4-50ng	4	✓	5.0	5.0	99.2
p1 Cal 5-100ng	5	✓	10.0	9.6	96.5
p1 Cal 6-250ng	6	✓	25.0	24.3	97.1
p1 Cal 7-500ng	7	✓	50.0	50.9	101.8
p1 Cal 8-1000ng	8	✓	100.0	112.8	112.8

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\041521 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
Last Cal. Update 4/20/2021 3:17 PM
Analyst Name ISP\Datastor
Analyte Norhydrocodone **Internal Standard** Norhydrocodone-D3



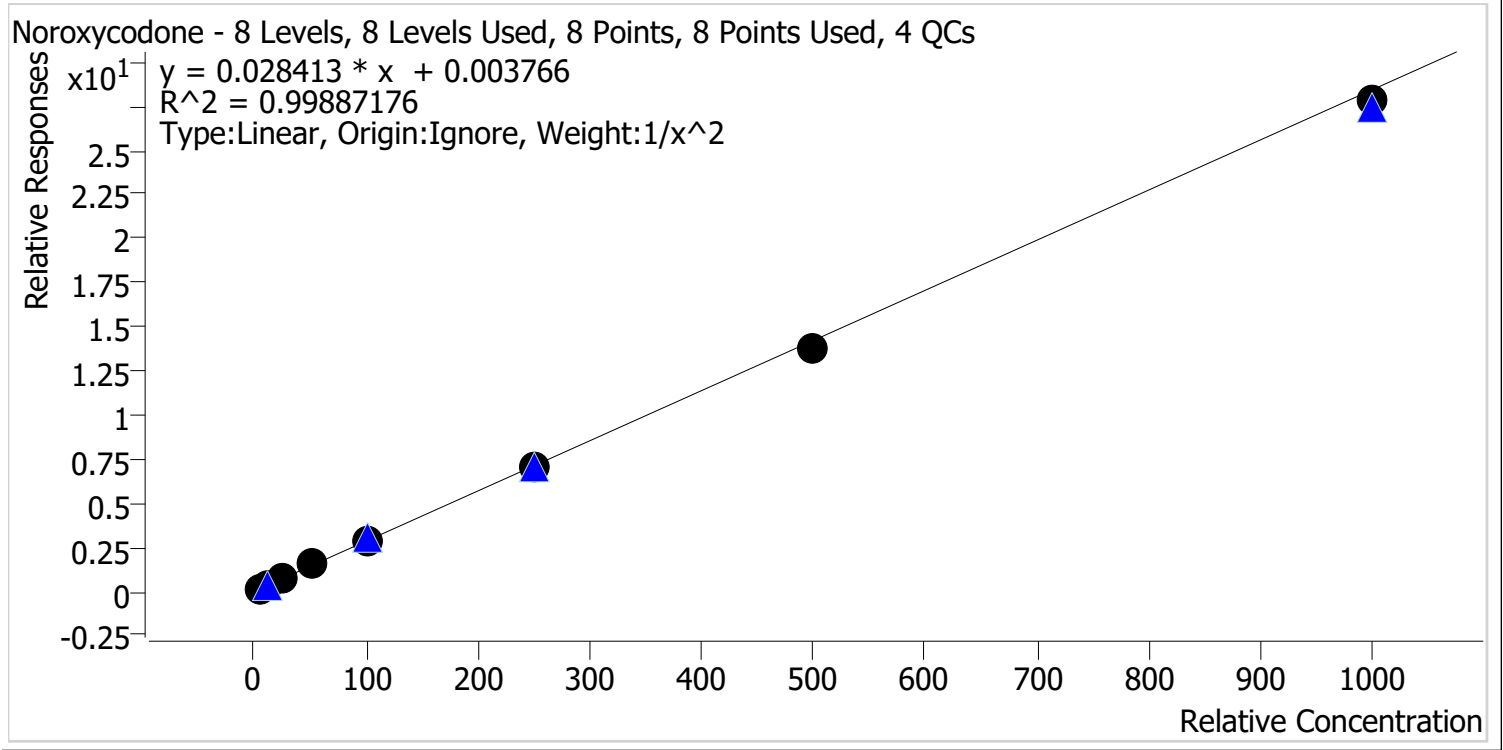
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.6
p1 Cal 2- 10ng	2	✓	10.0	9.8	97.6
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.8
p1 Cal 4-50ng	4	✓	50.0	49.2	98.4
p1 Cal 5-100ng	5	✓	100.0	93.5	93.5
p1 Cal 6-250ng	6	✓	250.0	229.6	91.8
p1 Cal 7-500ng	7	✓	500.0	535.8	107.2
p1 Cal 8-1000ng	8	✓	1000.0	1131.7	113.2

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\041521 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
Last Cal. Update 4/20/2021 3:17 PM
Analyst Name ISP\Datastor
Analyte Noroxycodone **Internal Standard** Noroxycodone-D3



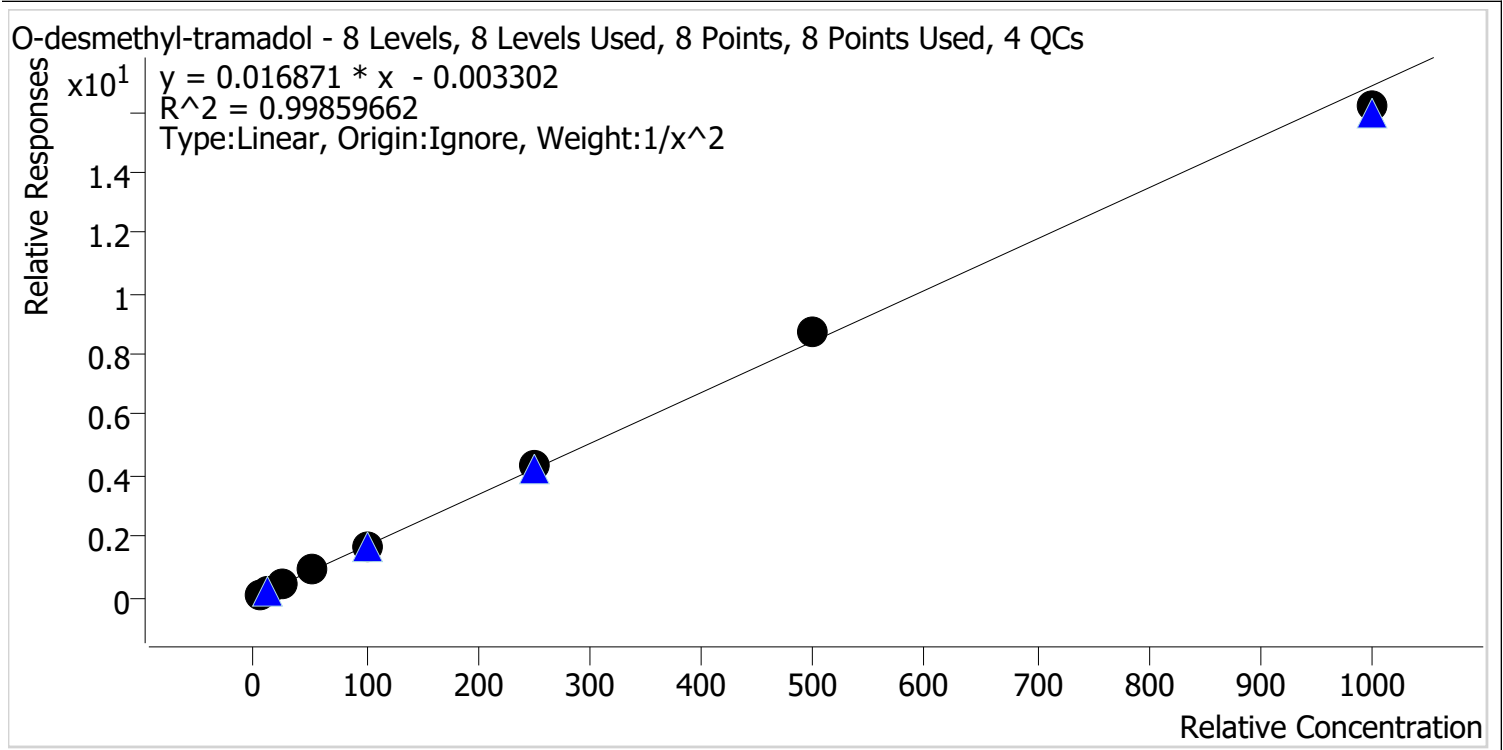
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.4
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.3
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.8
p1 Cal 4-50ng	4	✓	50.0	53.0	105.9
p1 Cal 5-100ng	5	✓	100.0	102.1	102.1
p1 Cal 6-250ng	6	✓	250.0	247.5	99.0
p1 Cal 7-500ng	7	✓	500.0	482.4	96.5
p1 Cal 8-1000ng	8	✓	1000.0	978.4	97.8



TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\041521 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
Last Cal. Update 4/20/2021 3:17 PM
Analyst Name ISP\Datastor
Analyte O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6



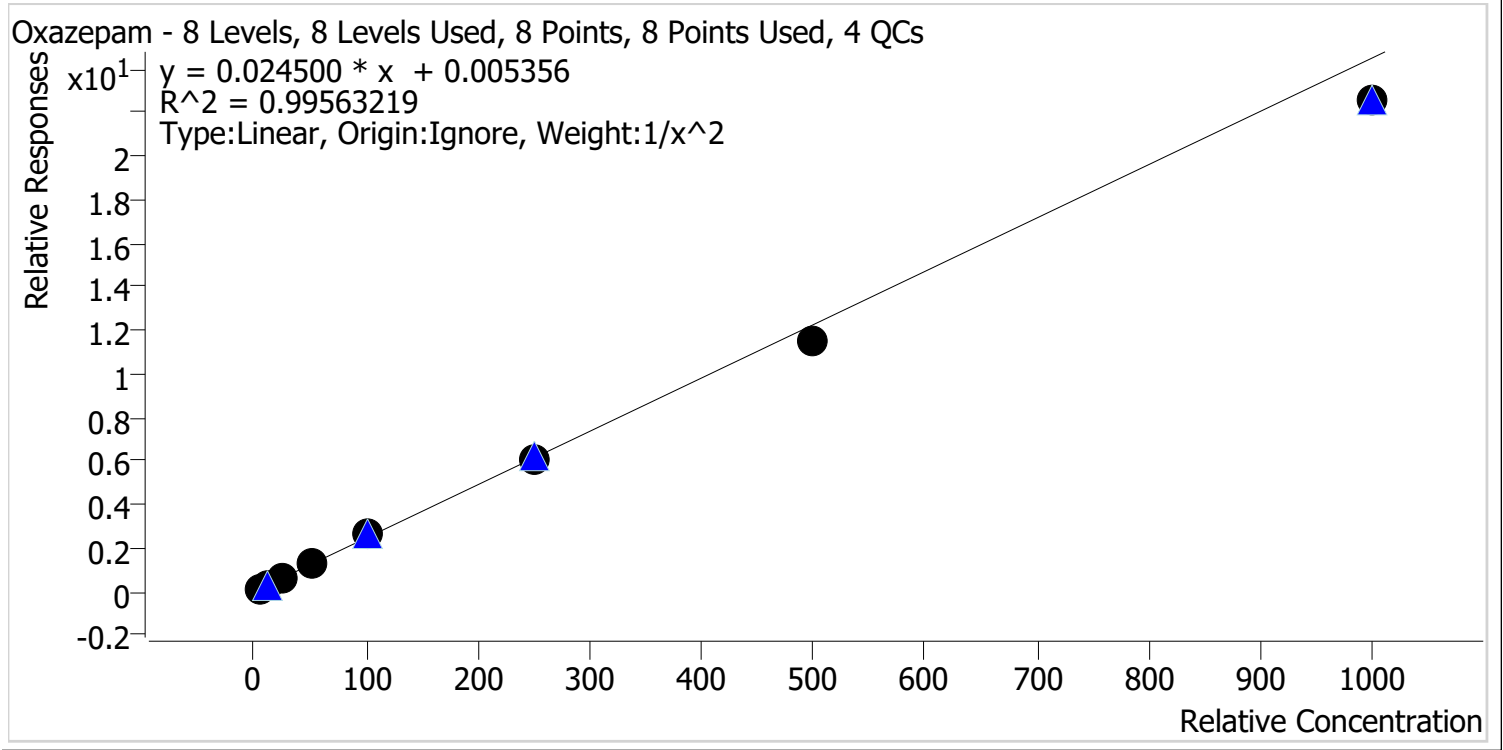
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.7
p1 Cal 2- 10ng	2	✓	10.0	9.8	97.9
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.2
p1 Cal 4-50ng	4	✓	50.0	51.2	102.5
p1 Cal 5-100ng	5	✓	100.0	100.6	100.6
p1 Cal 6-250ng	6	✓	250.0	255.3	102.1
p1 Cal 7-500ng	7	✓	500.0	520.5	104.1
p1 Cal 8-1000ng	8	✓	1000.0	959.8	96.0

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\041521 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
Last Cal. Update 4/20/2021 3:17 PM
Analyst Name ISP\Datastor
Analyte Oxazepam **Internal Standard** Oxazepam-D5



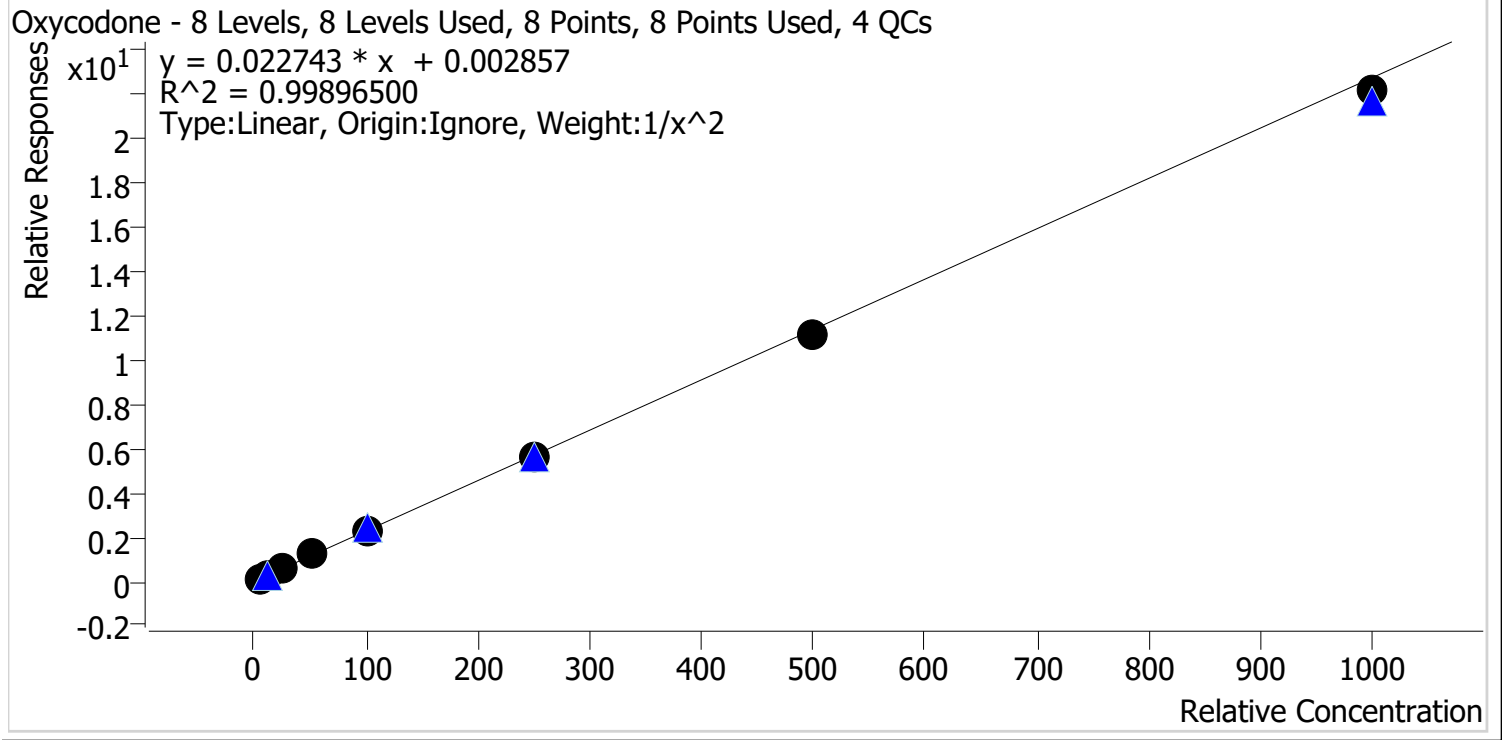
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.8
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.3
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.5
p1 Cal 4-50ng	4	✓	50.0	54.8	109.6
p1 Cal 5-100ng	5	✓	100.0	106.0	106.0
p1 Cal 6-250ng	6	✓	250.0	250.0	100.0
p1 Cal 7-500ng	7	✓	500.0	469.1	93.8
p1 Cal 8-1000ng	8	✓	1000.0	920.1	92.0

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\041521 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
Last Cal. Update 4/20/2021 3:17 PM
Analyst Name ISP\Datastor
Analyte Oxycodone **Internal Standard** Oxycodone-D6



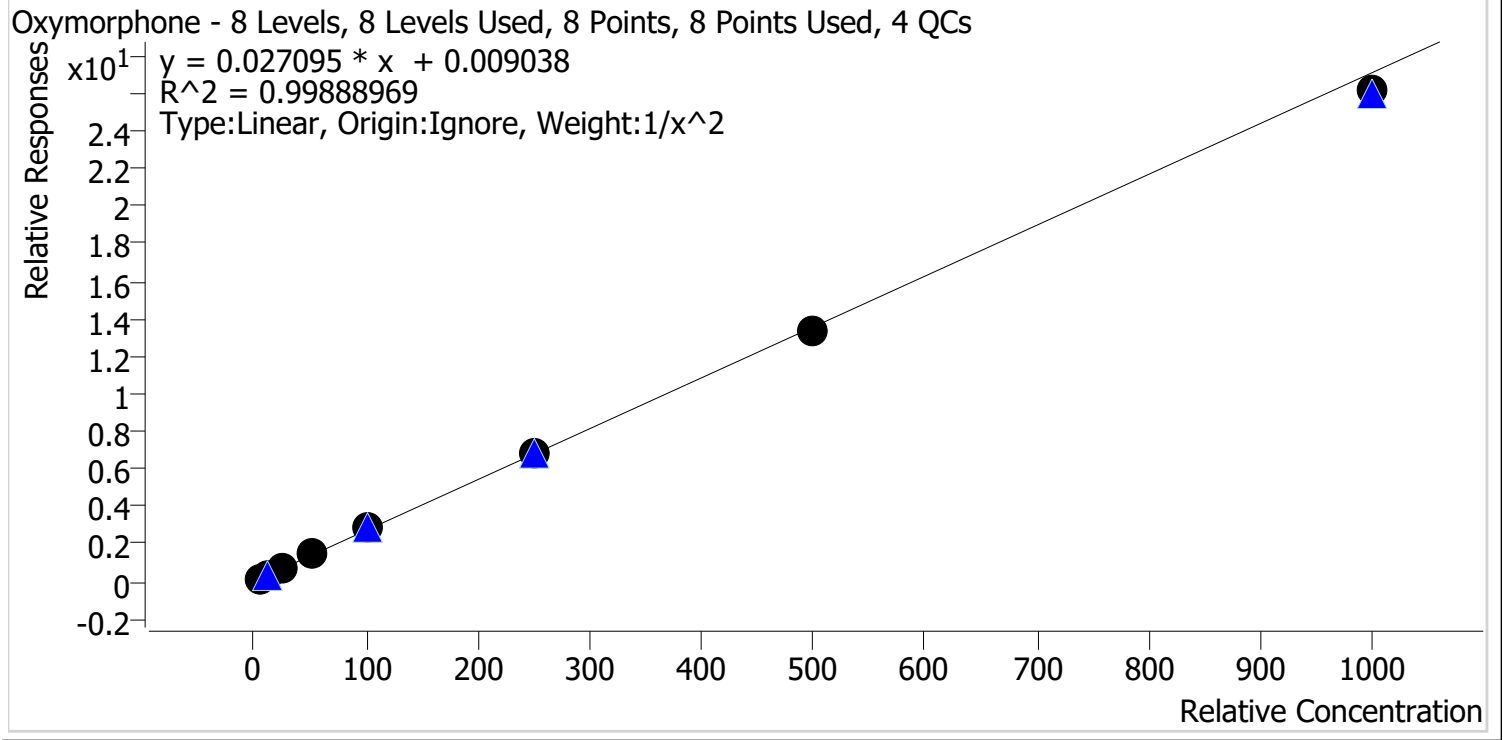
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.0
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.0
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.6
p1 Cal 4-50ng	4	✓	50.0	53.1	106.2
p1 Cal 5-100ng	5	✓	100.0	101.3	101.3
p1 Cal 6-250ng	6	✓	250.0	246.5	98.6
p1 Cal 7-500ng	7	✓	500.0	489.6	97.9
p1 Cal 8-1000ng	8	✓	1000.0	974.5	97.4

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\041521 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
Last Cal. Update 4/20/2021 3:17 PM
Analyst Name ISP\Datastor
Analyte Oxymorphone **Internal Standard** Oxymorphone-D3



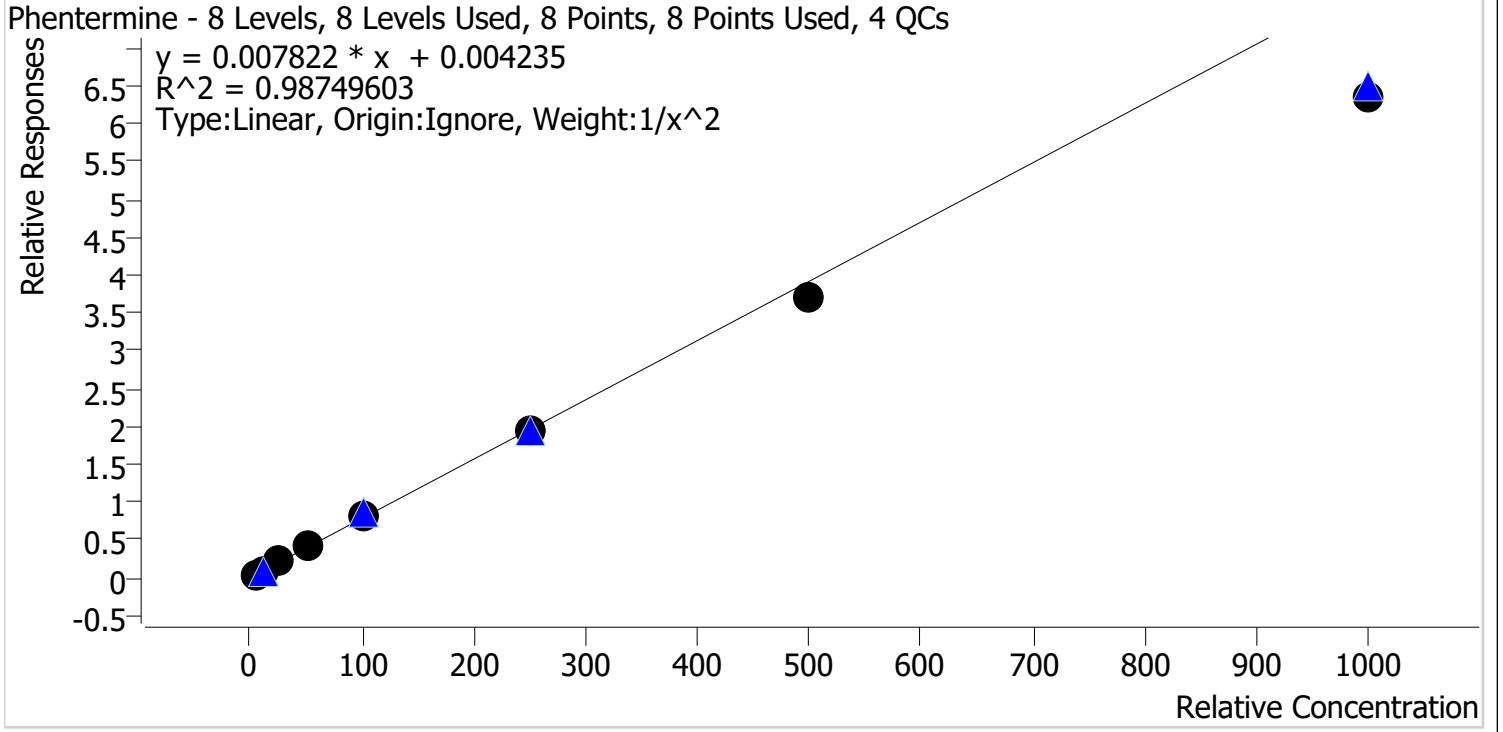
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.8
p1 Cal 2- 10ng	2	✓	10.0	9.7	97.2
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.0
p1 Cal 4-50ng	4	✓	50.0	52.4	104.8
p1 Cal 5-100ng	5	✓	100.0	103.1	103.1
p1 Cal 6-250ng	6	✓	250.0	248.9	99.6
p1 Cal 7-500ng	7	✓	500.0	489.9	98.0
p1 Cal 8-1000ng	8	✓	1000.0	964.7	96.5



TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\041521 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
Last Cal. Update 4/20/2021 3:17 PM
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	95.7
p1 Cal 2- 10ng	2	✓	10.0	10.4	103.6
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.7
p1 Cal 4-50ng	4	✓	50.0	56.7	113.5
p1 Cal 5-100ng	5	✓	100.0	106.5	106.5
p1 Cal 6-250ng	6	✓	250.0	250.6	100.3
p1 Cal 7-500ng	7	✓	500.0	474.1	94.8
p1 Cal 8-1000ng	8	✓	1000.0	809.3	80.9

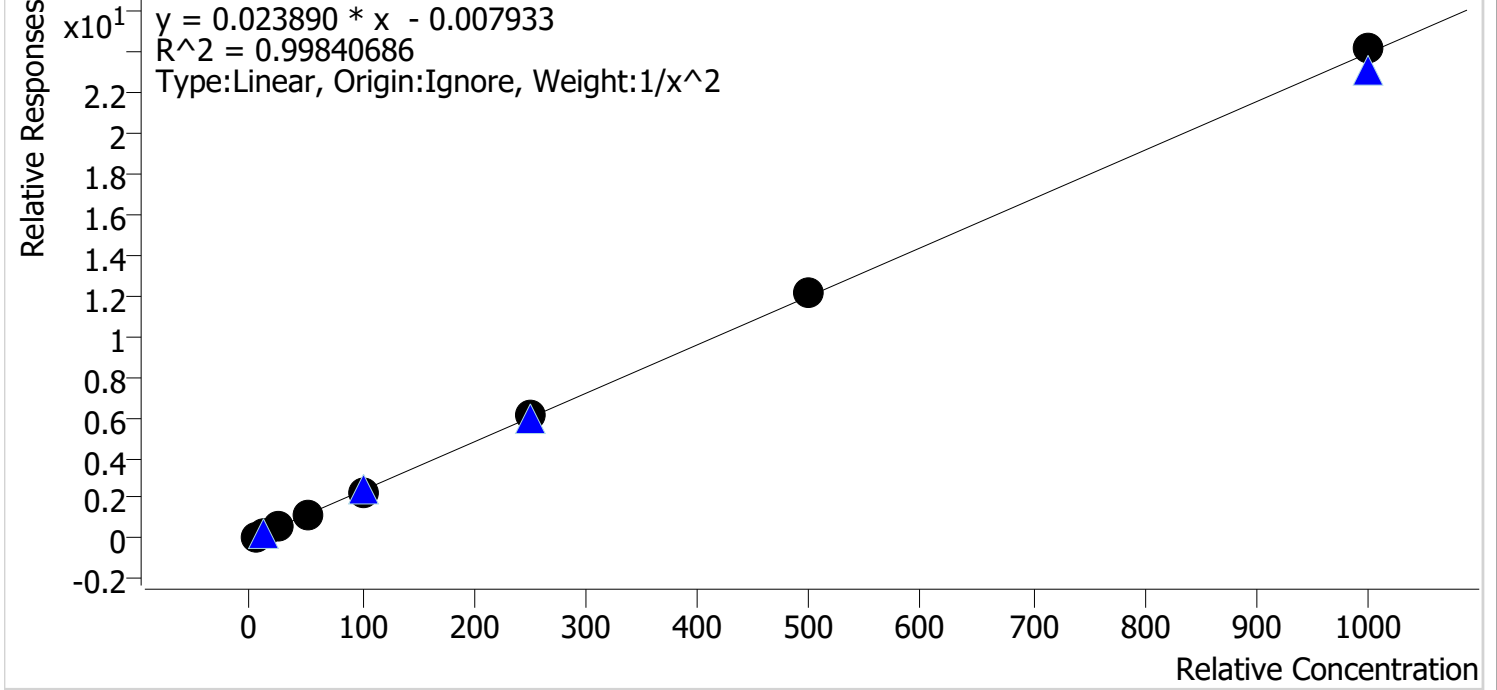


TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\041521 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
 Last Cal. Update 4/20/2021 3:17 PM
 Analyst Name ISP\Datastor
 Analyte Promethazine Internal Standard Promethazine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.2
p1 Cal 2- 10ng	2	✓	10.0	9.6	96.1
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.7
p1 Cal 4-50ng	4	✓	50.0	53.0	106.0
p1 Cal 5-100ng	5	✓	100.0	96.1	96.1
p1 Cal 6-250ng	6	✓	250.0	251.9	100.8
p1 Cal 7-500ng	7	✓	500.0	506.0	101.2
p1 Cal 8-1000ng	8	✓	1000.0	1009.2	100.9

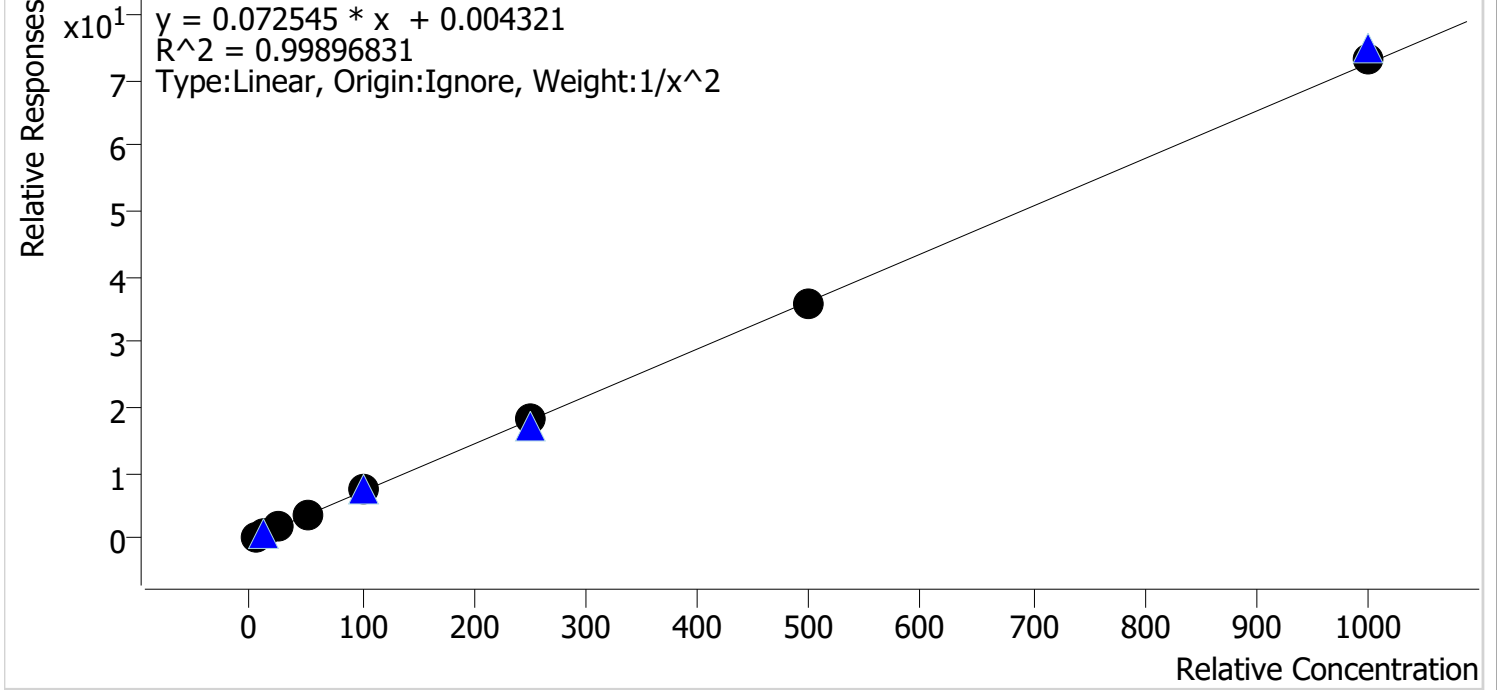


TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\041521 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
Last Cal. Update 4/20/2021 3:17 PM
Analyst Name ISP\Datastor
Analyte Quetiapine **Internal Standard** Quetiapine-D8

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



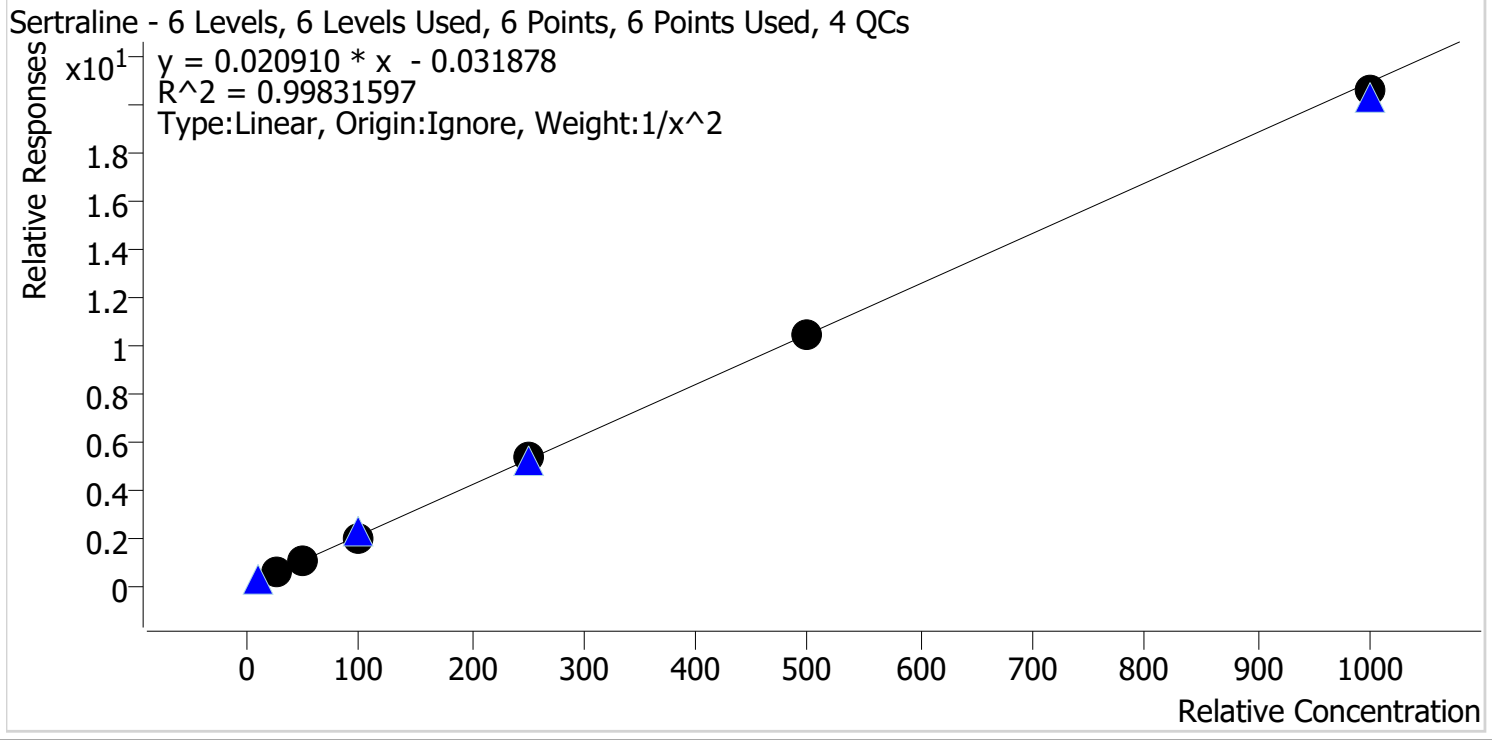
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.6
p1 Cal 2- 10ng	2	✓	10.0	9.5	94.9
p1 Cal 3 -25ng	3	✓	25.0	24.5	97.9
p1 Cal 4-50ng	4	✓	50.0	51.1	102.1
p1 Cal 5-100ng	5	✓	100.0	103.2	103.2
p1 Cal 6-250ng	6	✓	250.0	249.8	99.9
p1 Cal 7-500ng	7	✓	500.0	493.4	98.7
p1 Cal 8-1000ng	8	✓	1000.0	1006.6	100.7

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\041521 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
Last Cal. Update 4/20/2021 3:17 PM
Analyst Name ISP\Datastor
Analyte Sertraline **Internal Standard** Sertraline-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.7
p1 Cal 4-50ng	4	✓	50.0	53.0	106.0
p1 Cal 5-100ng	5	✓	100.0	97.1	97.1
p1 Cal 6-250ng	6	✓	250.0	252.1	100.9
p1 Cal 7-500ng	7	✓	500.0	500.3	100.1
p1 Cal 8-1000ng	8	✓	1000.0	983.0	98.3

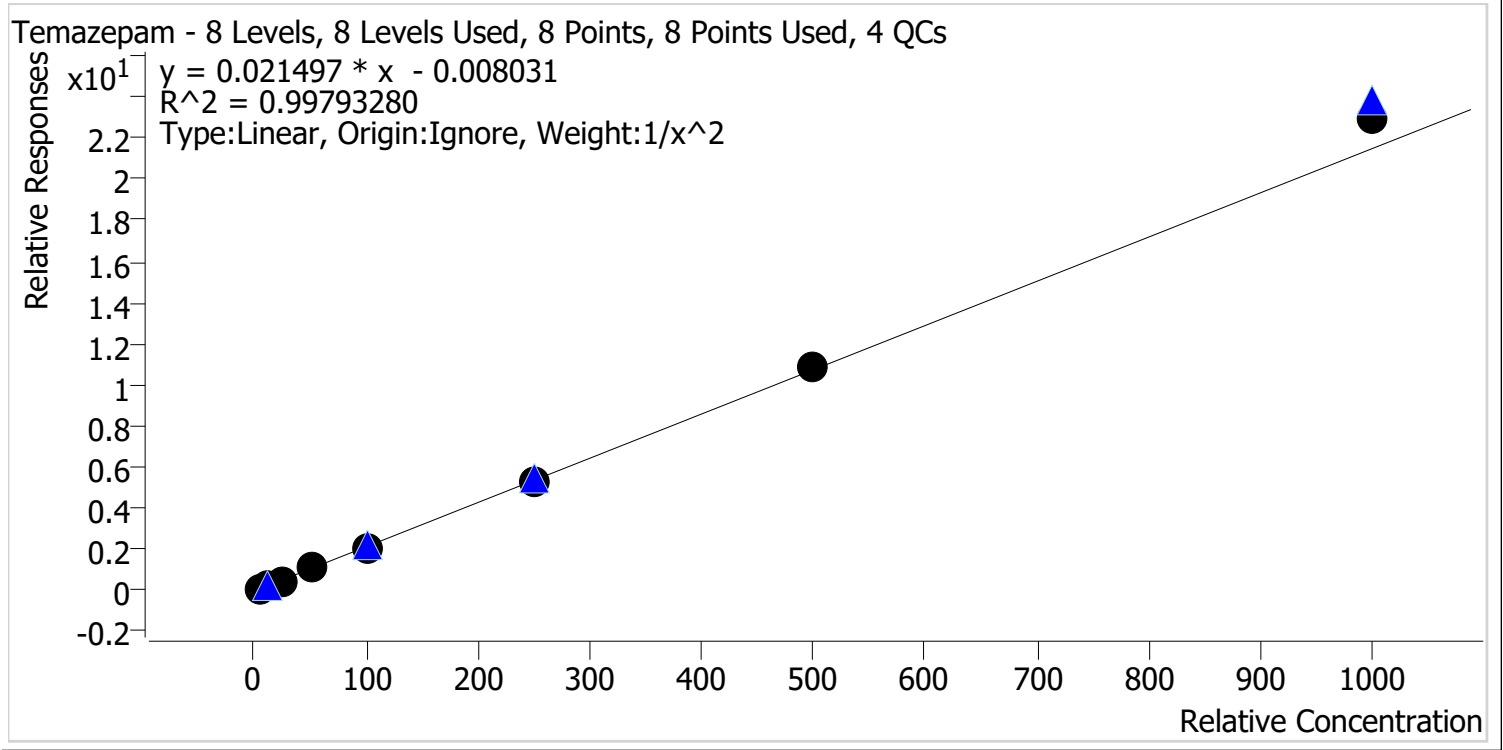
Compound not evaluated



TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\041521 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
Last Cal. Update 4/20/2021 3:17 PM
Analyst Name ISP\Datastor
Analyte Temazepam **Internal Standard** Temazepam-D5



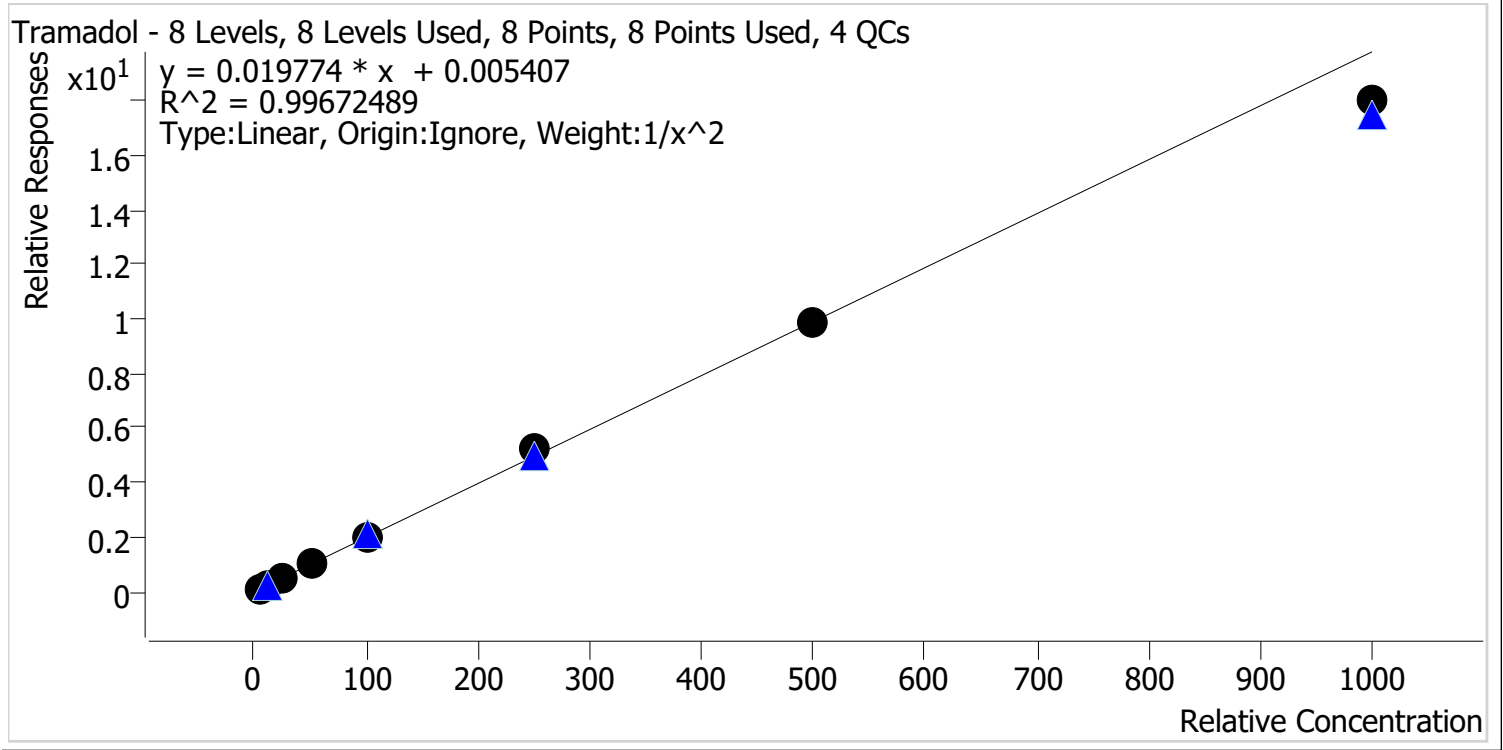
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.2
p1 Cal 2- 10ng	2	✓	10.0	9.8	98.4
p1 Cal 3 -25ng	3	✓	25.0	23.3	93.3
p1 Cal 4-50ng	4	✓	50.0	50.0	100.1
p1 Cal 5-100ng	5	✓	100.0	99.4	99.4
p1 Cal 6-250ng	6	✓	250.0	245.2	98.1
p1 Cal 7-500ng	7	✓	500.0	507.3	101.5
p1 Cal 8-1000ng	8	✓	1000.0	1071.4	107.1

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\041521 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
Last Cal. Update 4/20/2021 3:17 PM
Analyst Name ISP\Datastor
Analyte Tramadol **Internal Standard** Tramadol-13C-D3



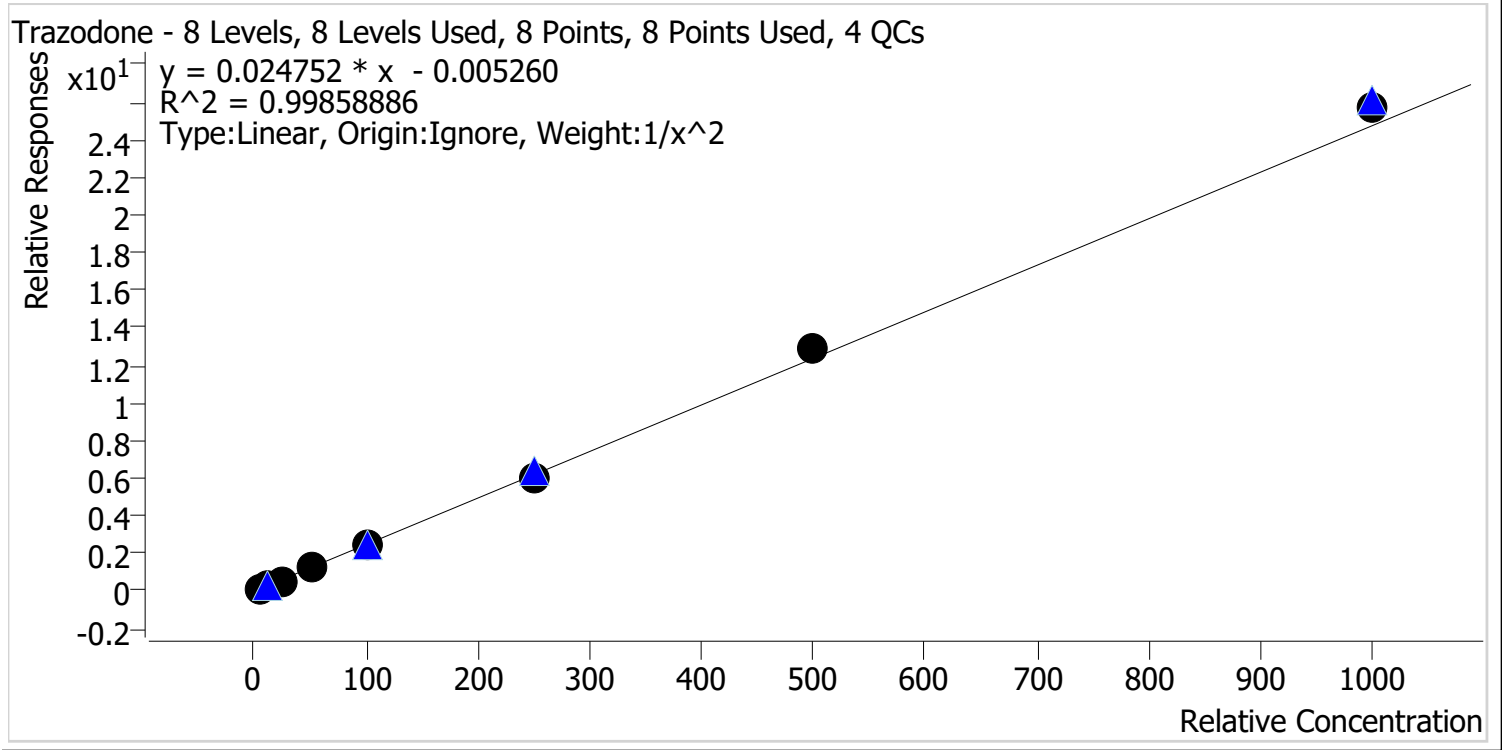
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.4
p1 Cal 2- 10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.1
p1 Cal 4-50ng	4	✓	50.0	53.7	107.5
p1 Cal 5-100ng	5	✓	100.0	100.4	100.4
p1 Cal 6-250ng	6	✓	250.0	262.6	105.0
p1 Cal 7-500ng	7	✓	500.0	499.2	99.8
p1 Cal 8-1000ng	8	✓	1000.0	909.5	91.0

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\041521 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
Last Cal. Update 4/20/2021 3:17 PM
Analyst Name ISP\Datastor
Analyte Trazodone **Internal Standard** Trazodone-D6



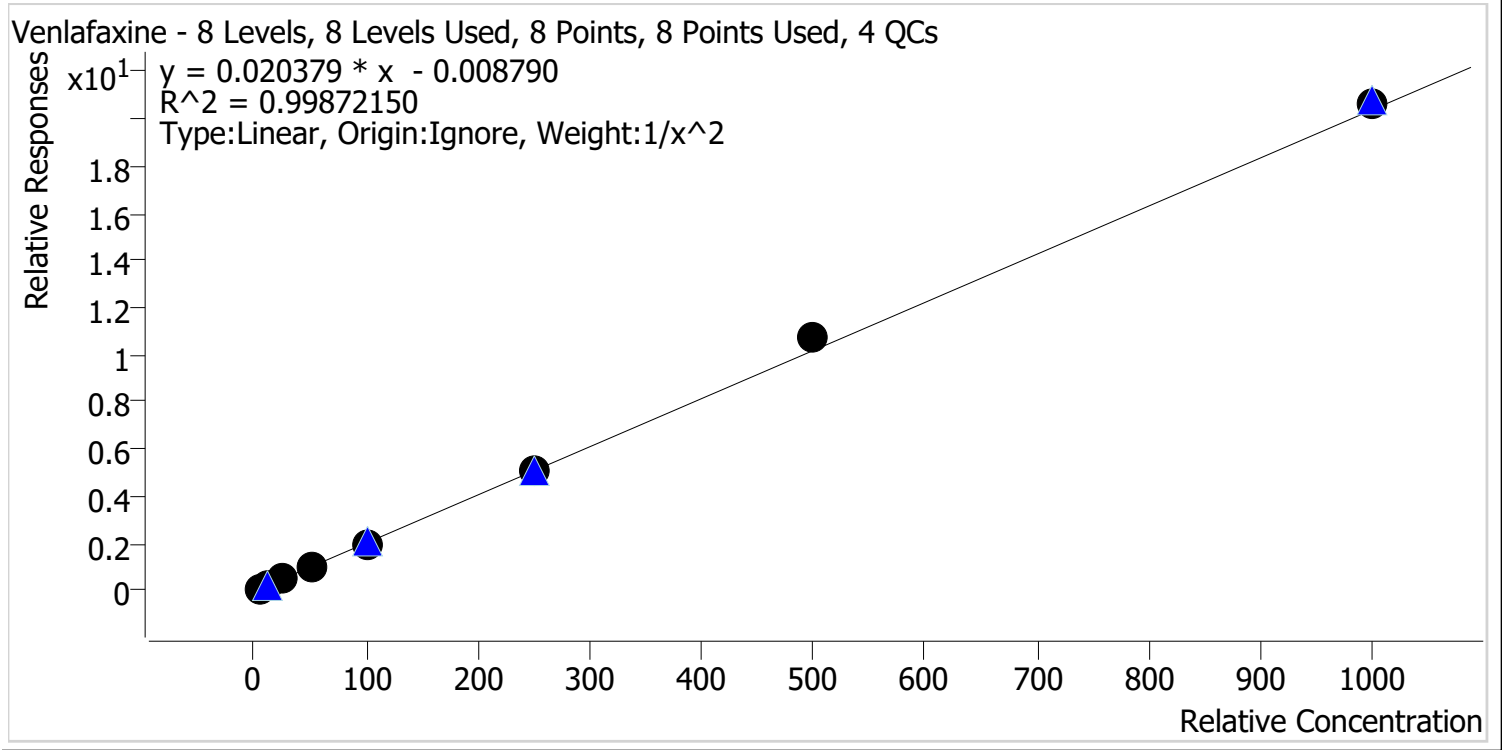
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.6
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.0
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.3
p1 Cal 4-50ng	4	✓	50.0	50.2	100.3
p1 Cal 5-100ng	5	✓	100.0	99.8	99.8
p1 Cal 6-250ng	6	✓	250.0	242.9	97.2
p1 Cal 7-500ng	7	✓	500.0	518.4	103.7
p1 Cal 8-1000ng	8	✓	1000.0	1040.9	104.1



TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\041521 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
Last Cal. Update 4/20/2021 3:17 PM
Analyst Name ISP\Datastor
Analyte Venlafaxine **Internal Standard** Venlafaxine-D6



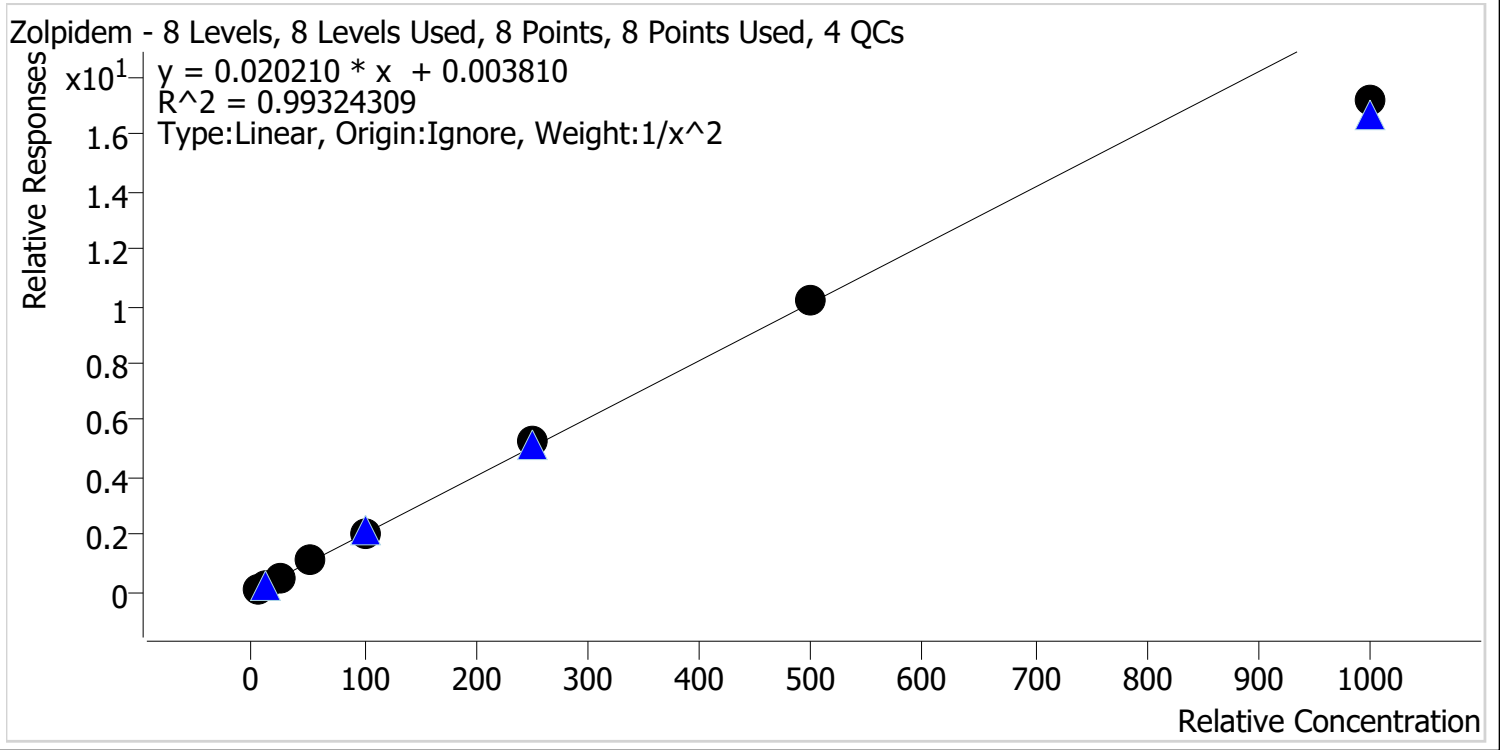
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.4
p1 Cal 2- 10ng	2	✓	10.0	9.7	97.1
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.8
p1 Cal 4-50ng	4	✓	50.0	50.2	100.4
p1 Cal 5-100ng	5	✓	100.0	99.7	99.7
p1 Cal 6-250ng	6	✓	250.0	248.3	99.3
p1 Cal 7-500ng	7	✓	500.0	524.0	104.8
p1 Cal 8-1000ng	8	✓	1000.0	1014.1	101.4



TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\041521 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
Last Cal. Update 4/20/2021 3:17 PM
Analyst Name ISP\Datastor
Analyte Zolpidem **Internal Standard** Zolpidem-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.2
p1 Cal 2- 10ng	2	✓	10.0	9.8	98.0
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.3
p1 Cal 4-50ng	4	✓	50.0	54.8	109.7
p1 Cal 5-100ng	5	✓	100.0	102.7	102.7
p1 Cal 6-250ng	6	✓	250.0	262.7	105.1
p1 Cal 7-500ng	7	✓	500.0	504.9	101.0
p1 Cal 8-1000ng	8	✓	1000.0	850.2	85.0

TS



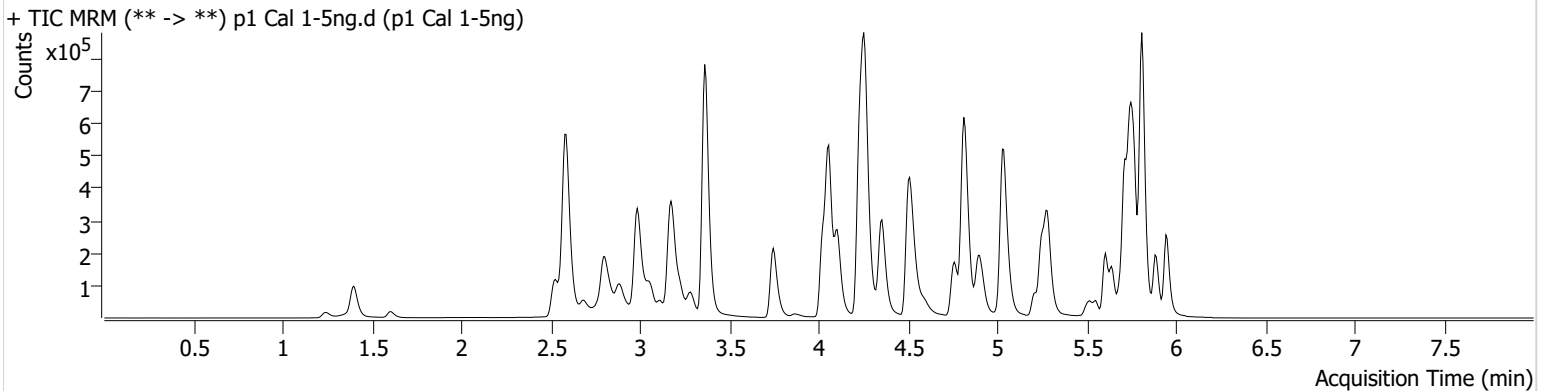
AM #28 Multi-Drug Quant. Results

Batch results G:\TOX\Pocatello\Falco\2021\AM 27-28\04152021 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
Calibration Last Update 4/20/2021 3:17:55 PM

Instrument Instrument 1
Type Cal
Acq. Method AM 28 MDQ P1.m
Sample Position P6-A1
Injection Volume 2
Acq. Date-Time 4/15/2021 6:45:18 PM
Sample Info.

Data File p1 Cal 1-5ng.d
Sample p1 Cal 1-5ng
Operator Tamara Salazar
Comment

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	1669	1264.40	78.7	3077.28	92442	0.4938 ng/ml
7-aminoclonazepam	4.265	37282	2393.11	79.6	3086.99	277370	5.0423 ng/ml
a-hydroxyalprazolam	5.692	23653	323.35	56.2	216.32	562749	4.8151 ng/ml
alpha-PHP	4.923	17506	710.03	264.5	2934.45	685179	5.1229 ng/ml
alpha-PVP	4.363	76690	585.69	53.2	690.19	685179	5.0740 ng/ml
Alprazolam	5.775	77175	492.71	116.4	2379.01	562749	5.1528 ng/ml
Amphetamine	3.063	113058	1024.27	47.9	343.58	235479	4.8417 ng/ml
* Benzoyllecgonine	3.892	2922	98.75	4.8 Low	218.32	19130	5.3366 ng/ml
* Buprenorphine	5.677	479	588.03	9.8 Low	107.64	31253	0.2985 ng/ml
Bupropion	4.774	58315	2919.69	60.5	1312.50	415094	5.0176 ng/ml
Carisoprodol	5.724	80471	2263461.89	54.0	242.98	789602	5.0927 ng/ml
Citalopram	5.212	17656	773.73	40.5	15793.07	162694	5.1981 ng/ml
Clonazepam	5.612	96493	1761.54	31.6	1104.78	223736	4.9245 ng/ml
Clonazepam	5.548	61541	115851.62	36.0	32737.90	223736	5.0651 ng/ml
Cocaine	4.257	67539	228.83	52.1	249.90	1286488	5.0756 ng/ml
Codeine	2.573	9514	129.03	104.9	16247.86	94346	4.9061 ng/ml
NE Cyclobenzaprine	5.608	2403	57.77	6.9	∞	19520	5.1488 ng/ml
Dextromethorphan	5.255	6817	9873.11	80.9	165.54	66492	5.0400 ng/ml
Dextrophan	4.105	19573	2248.25	216.1	2860.31	504002	4.9624 ng/ml
Diazepam	5.953	47683	1308.92	87.2	329.16	450921	5.0092 ng/ml
Dihydrocodeine	2.559	24048	52.77	62.2	695.36	280616	4.8825 ng/ml
Diphenhydramine	5.282	48403	2363.65	31.7	202.05	586457	5.0916 ng/ml
Doxylamine	4.522	150087	4419.40	98.5	11385.35	1313881	5.0811 ng/ml
EDDP	5.254	48688	1508.21	40.7	948.57	494201	5.0808 ng/ml
Etizolam	5.813	45061	72279.84	24.9	16087.73	223736	5.2224 ng/ml
* Fentanyl	5.082	482	7.75 Low	71.1	1146.06	48756	0.4963 ng/ml
Flualprazolam	5.698	35860	586.32	96.5	6237.58	562749	4.9892 ng/ml
Hydrocodone	3.012	34151	167.26	37.6	86.55	812072	4.8683 ng/ml
Hydromorphone	1.608	33427	2490.83	74.8	1471.50	12597	4.9777 ng/ml
Ketamine	4.037	69416	25068.15	37.8	244.08	643912	5.0067 ng/ml
Lamotrigine	4.267	6358	116.63	79.9	2743.61	643912	4.8202 ng/ml
Levetiracetam	2.683	32759	366.75	174.7	289.41	1512194	4.7760 ng/ml
Lorazepam	5.747	86319	3115.12	55.9	238.42	223736	4.9496 ng/ml

TS



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
MDA	3.196	90311	829.82	24.2	254.06	476527	4.8451 ng/ml
MDMA	3.290	52445	1551.04	80.9	596.33	103643	5.0287 ng/ml
Mephramate	4.917	46468	85992.36	27.4	94.54	422747	4.8460 ng/ml
Methadone	5.646	24092	934.33	45.2	99.81	215142	5.1085 ng/ml
Methamphetamine	3.231	99059	541.11	37.6	660.09	552017	5.1813 ng/ml
Metoprolol	4.326	14798	1382.23	89.2	783.39	1466665	5.0300 ng/ml
NE Mirtazapine	4.597	33195	550.12	46.9	495.45	685179	5.3827 ng/ml
Mitragynine	5.210	2900	7932.29	40.2	554.08	215142	6.0100 ng/ml
Morphine	1.247	5375	196.41	29.3	61.08	12597	4.9860 ng/ml
* Norbuprenorphine	4.986	73	2.39 Low	114.1	218.62	6127	0.6495 ng/ml
Nordiazepam	5.893	47882	239.68	55.7	298.76	318292	5.0369 ng/ml
Norfentanyl	4.079	13208	482.16	36.8	7.65 Low	1179423	0.5139 ng/ml
Norhydrocodone	3.059	5310	46.37	46.3	66.31	103612	5.1288 ng/ml
Noroxycodone	2.903	39091	585.35	43.0	1597.58	269551	4.9715 ng/ml
O-desmethyl-tramadol	3.369	156200	1529.97	6.7	728.59	1894150	5.0838 ng/ml
Oxazepam	5.749	98648	359.60	74.1	589.37	780487	4.9402 ng/ml
Oxycodone	2.827	74460	489.71	27.2	257.41	638859	4.9992 ng/ml
Oxymorphone	1.405	39130	552.36	41.5	162.54	268742	5.0403 ng/ml
Phentermine	3.783	24338	429.07	5.3	18.73	583978	4.7868 ng/ml
Promethazine	5.525	5509	125.40	22.5	14.57	48290	5.1077 ng/ml
Pseudoephedrine	2.596	157869	1064.51	16.1	179.06	1512194	5.1693 ng/ml
Quetiapine	5.514	23079	1109.50	56.6	10685.56	61295	5.1306 ng/ml
Temazepam	5.816	163472	3064.67	29.2	86.57	1606133	5.1083 ng/ml
Tramadol	4.246	153458	22544.41	3.7	64.40	1466665	5.0178 ng/ml
Trazodone	5.060	13796	1840.60	81.3	134.90	114480	5.0812 ng/ml
Venlafaxine	5.037	114372	1666.31	40.3	189.69	1196625	5.1213 ng/ml
Zolpidem	4.833	163579	290.42	30.7	393.46	1557325	5.0090 ng/ml

*Outside curve range

NE = not evaluated

AM #28 Multi-Drug Quant. Results

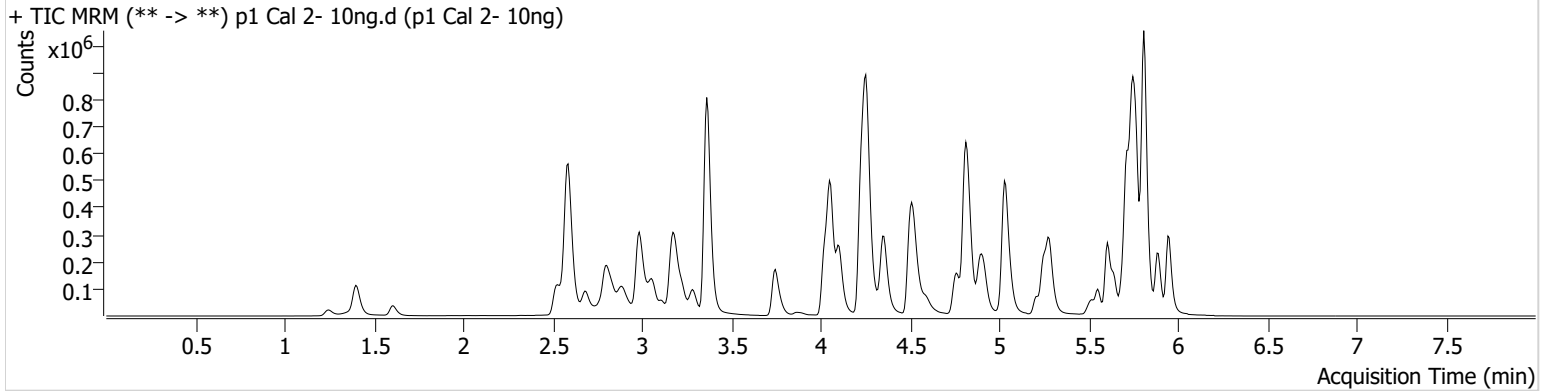
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Instrument	Instrument 1	Data File	p1 Cal 2- 10ng.d
Type	Cal	Sample	p1 Cal 2- 10ng
Acq. Method	AM 28 MDQ P1.m	Operator	Tamara Salazar
Sample Position	P6-B1	Comment	
Injection Volume	2		
Acq. Date-Time	4/15/2021 6:55:54 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	3548	162.71	72.0	2801.19	89363	1.0364 ng/ml
7-aminoclonazepam	4.265	78200	232817.85	82.5	113.89	298715	9.7820 ng/ml
a-hydroxyalprazolam	5.692	49798	733.78	55.1	160.67	603710	10.4121 ng/ml
alpha-PHP	4.923	27545	294.99	269.4	637.60	587829	9.2970 ng/ml
alpha-PVP	4.363	130588	14690.16	52.2	2195.11	587829	9.8410 ng/ml
Alprazolam	5.768	157335	546.20	115.6	412.43	603710	9.5340 ng/ml
Amphetamine	3.063	167023	1054.66	47.9	353.94	185105	10.0882 ng/ml
Benzoylcegonine	3.892	6311	161.87	6.9	68.78	21705	10.2005 ng/ml
* Buprenorphine	5.683	595	38.51	28.3 High	350.46	24002	0.6937 ng/ml
Bupropion	4.774	93349	6790.85	59.6	710.74	335796	9.9172 ng/ml
Carisoprodol	5.724	170114	424.09	52.4	365.29	846029	9.8647 ng/ml
Citalopram	5.212	26460	30.79	45.7	9659.42	132945	9.3438 ng/ml
Clonazepam	5.612	203055	9684.40	31.1	21461.13	243527	9.9652 ng/ml
Clonazepam	5.548	133312	263004.59	38.0	8814.21	243527	9.8880 ng/ml
Cocaine	4.257	119188	278.11	52.1	468.70	1147435	9.7840 ng/ml
Codeine	2.573	18571	33835.77	101.9	54186.06	93648	10.0463 ng/ml
NE Cyclobenzaprine	5.615	4502	250.75	8.8	14.40	19201	9.6992 ng/ml
Dextromethorphan	5.255	10984	632.26	79.7	80.33	53386	9.8895 ng/ml
Dextrophan	4.105	35667	∞	198.4	2153.10	431225	10.1604 ng/ml
Diazepam	5.953	95492	375.57	87.5	273.39	452559	9.9049 ng/ml
Dihydrocodeine	2.552	46350	3623.24	62.1	665.98	270757	10.2227 ng/ml
Diphenhydramine	5.282	75159	1956.59	33.3	121.48	462633	9.7611 ng/ml
Doxylamine	4.522	249188	12350.82	99.0	138014.02	1128066	9.6975 ng/ml
EDDP	5.254	73585	372.88	40.6	129.23	379627	9.8804 ng/ml
Etizolam	5.813	93884	67636.71	24.5	32633.85	243527	9.5092 ng/ml
Fentanyl	5.082	889	76.26	63.7	67.95	40027	1.0553 ng/ml
Flualprazolam	5.698	75662	2973.04	99.0	17642.30	603710	9.8824 ng/ml
Hydrocodone	3.012	63929	248.98	36.8	118.27	762202	10.2224 ng/ml
Hydromorphone	1.608	64405	1154.03	77.8	1797.14	12679	9.7654 ng/ml
Ketamine	4.037	125610	3065.00	37.1	116.17	598476	9.8946 ng/ml
Lamotrigine	4.267	13203	353.31	79.0	639.72	598476	10.6731 ng/ml
Levetiracetam	2.683	74047	714.08	165.5	507.76	1359608	11.3033 ng/ml
Lorazepam	5.747	175944	869.55	56.6	250.91	243527	10.0479 ng/ml

TS



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
MDA	3.196	150201	742.09	24.8	239.14	401345	10.2275 ng/ml
MDMA	3.290	89597	2067.03	78.3	1237.92	88870	9.9156 ng/ml
Meprobamate	4.917	103566	12689.58	27.6	141.55	469962	10.3302 ng/ml
Methadone	5.646	35960	133.68	46.4	357.18	169136	9.6859 ng/ml
Methamphetamine	3.231	115746	492.67	37.4	335.66	434530	9.0756 ng/ml
Metoprolol	4.319	26008	16196.73	89.2	477.46	1328453	9.7460 ng/ml
NE Mirtazapine	4.597	53152	494.92	48.6	21068.67	587829	8.6497 ng/ml
Mitragynine	5.210	4511	36.10	39.8	128.37	169136	9.8913 ng/ml
Morphine	1.253	10622	248.73	29.8	210.31	12679	9.8969 ng/ml
* Norbuprenorphine	4.992	84	0.94	Low 138.8	High 210.87	4480	0.9743 ng/ml
Nordiazepam	5.893	94347	2450.61	59.1	533.74	327475	9.7566 ng/ml
Norfentanyl	4.079	23621	796.77	34.1	183.25	1037302	0.9831 ng/ml
Norhydrocodone	3.059	10202	71.66	42.7	78.97	97392	9.7559 ng/ml
Noroxycodone	2.903	72721	1224.53	41.9	746.53	251754	10.0337 ng/ml
O-desmethyl-tramadol	3.369	296216	1303.28	6.7	770.96	1830209	9.7892 ng/ml
Oxazepam	5.749	209167	267.49	74.8	381.42	833303	10.0265 ng/ml
Oxycodone	2.827	140365	609.71	26.2	991.17	615883	9.8956 ng/ml
Oxymorphone	1.405	75741	∞	42.2	1154.13	278071	9.7191 ng/ml
Phentermine	3.783	39691	120.32	5.4	11.12	465500	10.3592 ng/ml
Promethazine	5.525	9553	502.91	30.5	15.61	43087	9.6122 ng/ml
Pseudoephedrine	2.596	273467	559.39	16.8	296.71	1359608	9.5521 ng/ml
Quetiapine	5.514	37414	164007.42	57.2	76939.72	54004	9.4903 ng/ml
Temazepam	5.816	343466	6004.70	29.3	515.12	1688444	9.8365 ng/ml
Tramadol	4.239	266712	407.76	3.7	257.25	1328453	9.8795 ng/ml
Trazodone	5.054	23207	126767.20	80.2	50509.55	96810	9.8970 ng/ml
Venlafaxine	5.037	192560	778.25	39.5	646.53	1018392	9.7095 ng/ml
Zolpidem	4.833	312656	496.55	31.9	2515.22	1548306	9.8035 ng/ml

*Outside curve range

NE = not evaluated

AM #28 Multi-Drug Quant. Results

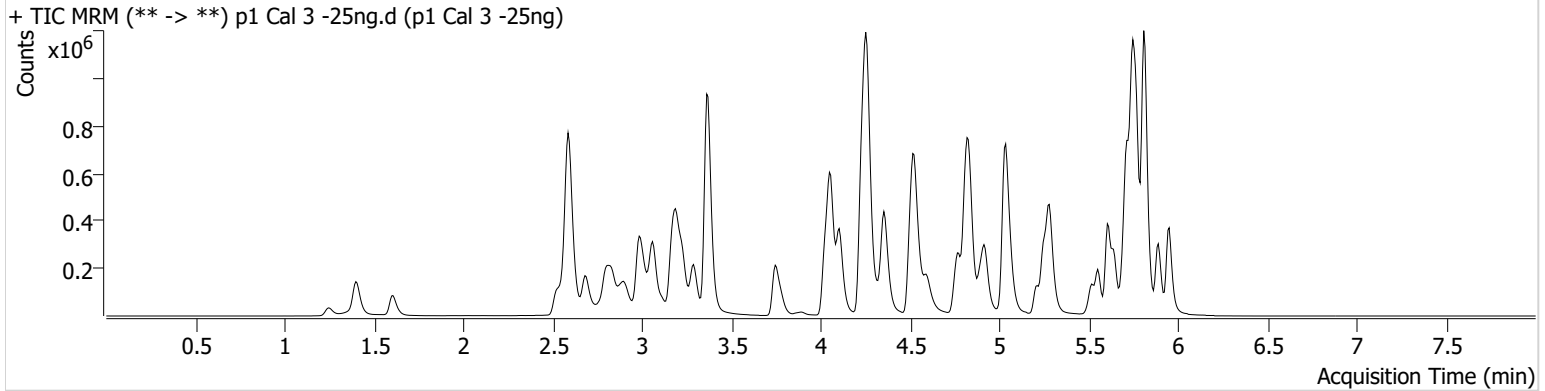
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Instrument	Instrument 1	Data File	p1 Cal 3 -25ng.d
Type	Cal	Sample	p1 Cal 3 -25ng
Acq. Method	AM 28 MDQ P1.m	Operator	Tamara Salazar
Sample Position	P6-C1	Comment	
Injection Volume	2		
Acq. Date-Time	4/15/2021 7:06:29 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	8101	846.10	71.8	344.09	86302	2.3941 ng/ml
7-aminoclonazepam	4.265	164254	5857.30	78.1	107.21	246319	24.8543 ng/ml
a-hydroxyalprazolam	5.692	100248	1234.57	57.3	359.61	516078	25.8743 ng/ml
alpha-PHP	4.923	81444	1170.52	257.3	2608.40	631358	25.3859 ng/ml
alpha-PVP	4.363	347373	377.50	51.4	5675.98	631358	24.0283 ng/ml
Alprazolam	5.768	335388	1407.82	115.7	844.96	516078	23.3461 ng/ml
Amphetamine	3.063	497417	1230.86	48.9	1616.28	225306	26.3103 ng/ml
Benzoylcegonine	3.892	11757	403.68	8.3	266.92	17412	23.7497 ng/ml
Buprenorphine	5.677	2118	33.89	14.2	446.54	31604	2.4599 ng/ml
Bupropion	4.774	272286	8239.01	60.7	868.33	395503	24.5427 ng/ml
Carisoprodol	5.724	336660	607510.99	56.9	271.22	693236	23.5594 ng/ml
Citalopram	5.212	89289	225.66	44.3	185840.74	175987	23.4664 ng/ml
Clonazepam	5.612	429524	9128.58	31.5	405.42	203365	25.9727 ng/ml
Clonazepam	5.549	269054	141939.65	37.2	198927.97	203365	23.6218 ng/ml
Cocaine	4.257	317378	53063.23	51.7	17763.81	1217876	24.1474 ng/ml
Codeine	2.580	43120	2486.76	103.8	339.05	87521	25.5722 ng/ml
NE Cyclobenzaprine	5.608	16081	128.50	6.8	27.34	29371	22.4923 ng/ml
Dextromethorphan	5.255	38835	431.31	80.1	23508.53	76603	24.0401 ng/ml
Dextrophan	4.105	100757	4583.79	199.3	1759.30	489326	24.7551 ng/ml
Diazepam	5.953	214239	251.46	86.6	276.22	408975	24.4553 ng/ml
Dihydrocodeine	2.559	108476	2305.40	64.1	2495.05	263035	25.2900 ng/ml
Diphenhydramine	5.282	253132	22178.40	33.8	265.95	623532	23.9876 ng/ml
Doxylamine	4.523	711900	15096.21	97.8	175.37	1274310	24.3151 ng/ml
EDDP	5.254	177850	319.26	41.4	16965.35	379894	23.6936 ng/ml
Etizolam	5.813	199303	41627.09	26.0	44090.39	203365	23.3509 ng/ml
Fentanyl	5.082	2848	45.84	70.8	124.87	61665	2.1437 ng/ml
Flualprazolam	5.698	161330	2456.29	93.8	18710.20	516078	24.7578 ng/ml
NE Fluoxetine	5.700	13206	47.36	9.0	42.24	22641	24.1289 ng/ml
Hydrocodone	3.012	160138	788.36	38.1	340.45	788054	25.5008 ng/ml
Hydromorphone	1.608	150745	384412.92	75.6	290992.64	11151	26.4206 ng/ml
Ketamine	4.037	309281	1621.13	38.0	1198.89	599210	24.5593 ng/ml
Lamotrigine	4.267	29856	2968.16	81.2	10580.84	599210	24.0079 ng/ml
Levetiracetam	2.683	150840	821.87	164.2	3081.00	1412484	21.7172 ng/ml

TS



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	355762	5048.38	56.8	1101.99	203365	25.5985 ng/ml
MDA	3.196	419723	2195.98	26.1	526.65	464440	25.6545 ng/ml
MDMA	3.290	255559	771836.38	79.1	2365.62	101331	24.6478 ng/ml
Meprobamate	4.924	205076	2623012.03	27.3	324.67	385559	25.7980 ng/ml
Methadone	5.646	122423	7805.04	46.5	2087.17	239256	23.2896 ng/ml
Methamphetamine	3.231	344478	2600.57	38.8	2591.52	559333	24.7344 ng/ml
Metoprolol	4.326	71077	1137.57	90.9	464.74	1428696	24.7428 ng/ml
NE Mirtazapine	4.597	179954	1639.18	48.3	5039.95	631358	23.7970 ng/ml
Mitragynine	5.210	14716	28906.58	40.0	513.13	239256	20.1416 ng/ml
Morphine	1.253	23500	489.34	29.7	2325.84	11151	25.0679 ng/ml
Norbuprenorphine	4.979	303	975.59	106.7	198.45	6277	2.3987 ng/ml
Nordiazepam	5.893	213502	69152.50	58.3	433.17	292794	24.8782 ng/ml
Norfentanyl	4.079	61748	136855.51	35.2	628.23	1124590	2.2859 ng/ml
Norhydrocodone	3.060	25415	156.44	39.7	282.16	94570	23.9399 ng/ml
Noroxycodone	2.903	177985	2311.74	43.1	393.40	252164	24.7089 ng/ml
O-desmethyl-tramadol	3.369	702445	850.13	7.0	216.10	1763919	23.8005 ng/ml
Oxazepam	5.749	425534	5005.87	74.1	349.02	691879	24.8847 ng/ml
Oxycodone	2.827	338202	3957.32	26.6	751.18	594522	24.8876 ng/ml
Oxymorphone	1.405	169338	∞	42.4	351.31	246634	25.0065 ng/ml
Phentermine	3.783	120478	701.42	4.8	86.63	576602	26.1710 ng/ml
Promethazine	5.525	37197	226.25	27.2	199.34	65270	24.1870 ng/ml
Pseudoephedrine	2.596	725905	12827.14	16.6	12954.14	1412484	23.7229 ng/ml
Quetiapine	5.514	116475	154115.30	58.0	14072.22	65455	24.4695 ng/ml
NE Sertraline	5.762	5566	117.72	102.3	84.09	11628	24.4155 ng/ml
Temazepam	5.816	702698	5299.14	29.0	725.57	1423942	23.3301 ng/ml
Tramadol	4.246	693684	559.00	3.6	310.97	1428696	24.2804 ng/ml
Trazodone	5.061	72246	1428.88	80.9	69729.16	124897	23.5817 ng/ml
Venlafaxine	5.037	539660	17503.98	39.1	723.10	1138397	23.6928 ng/ml
Zolpidem	4.833	736796	2477.49	30.9	1443.48	1471857	24.5815 ng/ml

NE = not evaluated

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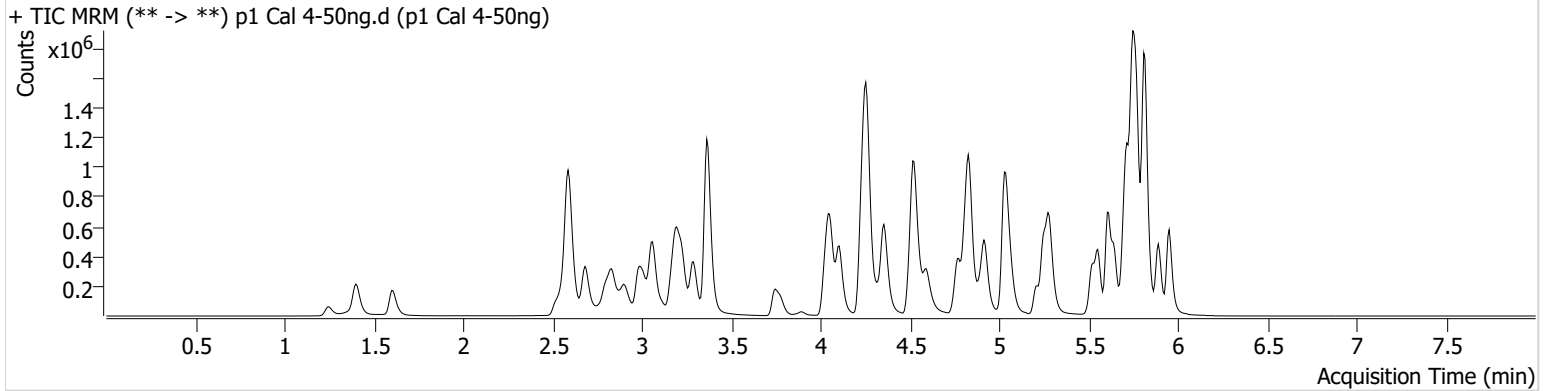


AM #28 Multi-Drug Quant. Results

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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	Tamara Salazar
Sample Position	P6-D1	Comment	
Injection Volume	2		
Acq. Date-Time	4/15/2021 7:17:05 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	16546	470.26	72.1	372.35	81525	5.1280 ng/ml
7-aminoclonazepam	4.265	350817	2554.46	81.6	369.81	250979	52.0540 ng/ml
a-hydroxyalprazolam	5.692	197075	6048.65	61.1	1708.63	482608	55.4947 ng/ml
alpha-PHP	4.923	158861	310.81	267.9	3001.96	576603	54.0842 ng/ml
alpha-PVP	4.356	678561	22533.88	52.4	1115.12	576603	51.1285 ng/ml
Alprazolam	5.768	716203	1733.48	114.0	1821.34	482608	52.9437 ng/ml
Amphetamine	3.063	848341	10766.72	48.8	524.18	179881	57.4814 ng/ml
Benzoylecgonine	3.892	25441	2043.28	8.8	145.91	17675	50.6786 ng/ml
Buprenorphine	5.677	5008	310.54	13.7	1155.66	36636	5.3718 ng/ml
Bupropion	4.774	507662	408.55	61.8	∞	345135	52.4230 ng/ml
Carisoprodol	5.724	693266	17844.28	54.2	3627.16	662947	50.5143 ng/ml
Citalopram	5.205	195610	2617.91	43.2	521.05	171394	52.5018 ng/ml
Clonazepam	5.612	872127	43998.29	33.0	2211.27	201075	53.8384 ng/ml
Clonazepam	5.549	585535	21641.42	36.5	467011.01	201075	51.7592 ng/ml
Cocaine	4.257	608939	90682.32	51.6	588.77	1085820	51.6609 ng/ml
Codeine	2.573	87445	283.39	100.9	519.47	82594	55.4274 ng/ml
NE Cyclobenzaprine	5.608	100995	21954.92	8.6	64.89	79625	51.9524 ng/ml
Dextromethorphan	5.255	100762	359.46	80.6	1074.43	90689	52.4200 ng/ml
Dextrophan	4.105	194596	1892.41	206.2	1486589.59	452647	51.2910 ng/ml
Diazepam	5.953	455848	914.90	86.8	6231.93	395450	53.7054 ng/ml
Dihydrocodeine	2.552	217435	651.93	64.4	10408.38	245673	54.8146 ng/ml
Diphenhydramine	5.282	526539	295.89	33.0	320.69	602857	51.2972 ng/ml
Doxylamine	4.522	1373115	3350.99	98.7	4320.08	1146800	51.9566 ng/ml
EDDP	5.248	457966	544.82	41.9	139.93	456564	50.6286 ng/ml
Etizolam	5.813	411401	12309.30	25.3	217898.53	201075	48.1697 ng/ml
Fentanyl	5.082	10944	190.82	65.9	2533.94	99550	5.0383 ng/ml
Flualprazolam	5.698	330713	12453.43	100.2	28568.44	482608	54.3574 ng/ml
NE Fluoxetine	5.700	113243	3772.74	8.3	95.71	88850	53.9390 ng/ml
Hydrocodone	3.012	317374	728.40	38.9	97.77	726052	55.4492 ng/ml
Hydromorphone	1.601	306362	7953.18	75.8	2403.84	11415	52.7093 ng/ml
Ketamine	4.037	607475	644.36	38.3	1027.46	543950	53.3194 ng/ml
Lamotrigine	4.267	62487	2972.63	77.1	10345.78	543950	55.2510 ng/ml
Levetiracetam	2.683	319022	2478.40	166.2	745.19	1239746	51.6758 ng/ml

TS



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	726579	73864.26	55.7	1727.86	201075	53.8266 ng/ml
MDA	3.196	784836	3920.11	25.8	1267.99	401190	56.3224 ng/ml
MDMA	3.290	484522	6154.83	79.4	2063.08	92510	51.0741 ng/ml
Meprobamate	4.917	426746	386020.58	28.2	168.11	378758	55.3316 ng/ml
Methadone	5.646	318641	363.73	44.9	8147.67	267066	54.2860 ng/ml
Methamphetamine	3.231	586540	4142.30	38.3	5428.97	453688	55.0639 ng/ml
Metoprolol	4.319	139222	28733.87	90.7	3082.94	1282957	53.9525 ng/ml
NE Mirtazapine	4.590	366777	2674.35	49.2	787.64	576603	51.1232 ng/ml
Mitragynine	5.210	48617	423.03	39.2	30265.74	267066	55.6100 ng/ml
Morphine	1.247	51879	5601.21	27.3	264.11	11415	54.1913 ng/ml
Norbuprenorphine	4.986	717	1269.07	109.3	1432.49	6293	5.5481 ng/ml
Nordiazepam	5.893	450578	1856.84	57.8	5356.95	294421	52.3454 ng/ml
Norfentanyl	4.079	123791	179366.94	34.0	945.43	1024112	4.9605 ng/ml
Norhydrocodone	3.059	48283	171.83	42.7	107.14	86086	49.2058 ng/ml
Noroxycodone	2.903	349589	2879.32	41.6	1362.99	231698	52.9694 ng/ml
O-desmethyl-tramadol	3.369	1416210	3023.48	6.9	649.74	1644890	51.2295 ng/ml
Oxazepam	5.749	888151	261.92	74.1	12035.84	658968	54.7924 ng/ml
Oxycodone	2.827	682577	1723.75	26.6	1187.43	563709	53.1168 ng/ml
Oxymorphone	1.398	336763	1511.00	44.0	277.97	235610	52.4183 ng/ml
Phentermine	3.783	213424	238.89	4.9	1406.57	476279	56.7468 ng/ml
Promethazine	5.525	224593	1825.91	28.1	788.81	178513	52.9954 ng/ml
Pseudoephedrine	2.596	1357919	32622.18	16.5	22844.57	1239746	50.0634 ng/ml
Quetiapine	5.514	251035	9983.15	57.9	327071.41	67694	51.0588 ng/ml
NE Sertraline	5.762	57844	768.76	97.3	964.99	53719	53.0205 ng/ml
Temazepam	5.816	1491456	1174.31	28.3	373.41	1397017	50.0371 ng/ml
Tramadol	4.239	1370284	11033.49	3.6	412.78	1282957	53.7392 ng/ml
Trazodone	5.054	190217	869359.26	80.4	21159.94	153817	50.1732 ng/ml
Venlafaxine	5.037	1050288	1157.35	39.4	760.27	1035109	50.2203 ng/ml
Zolpidem	4.833	1559462	2777.16	30.3	1931.79	1402550	54.8290 ng/ml

NE = not evaluated

AM #28 Multi-Drug Quant. Results

TS

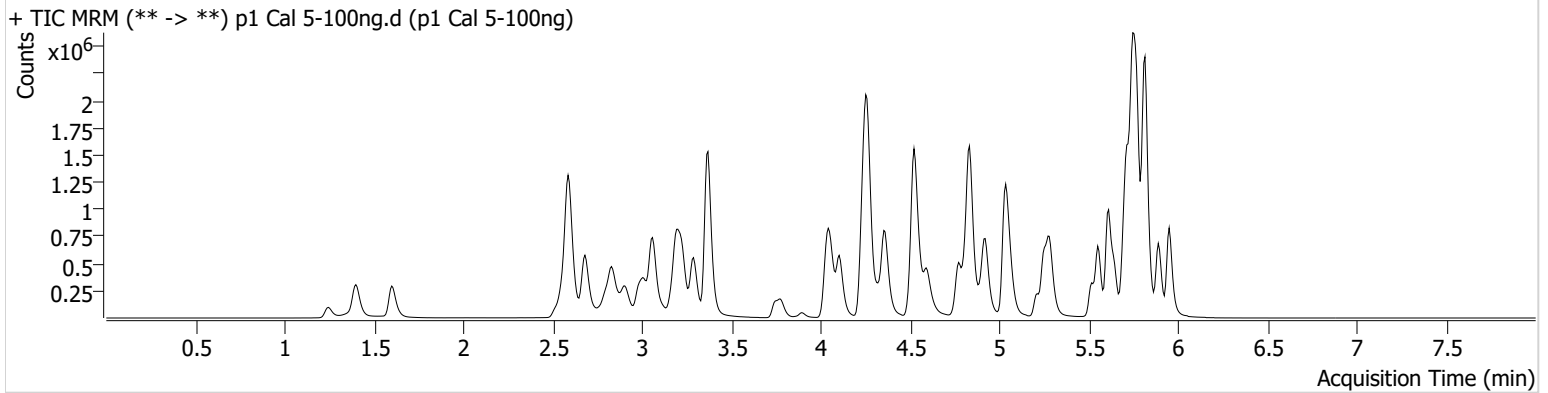


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Instrument Instrument 1
Type Cal
Acq. Method AM 28 MDQ P1.m
Sample Position P6-E1
Injection Volume 2
Acq. Date-Time 4/15/2021 7:27:40 PM
Sample Info.

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

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	29055	777.32	69.7	14319.94	72115	10.1395 ng/ml
7-aminoclonazepam	4.265	622106	12401.57	79.6	4006.28	231002	100.2531 ng/ml
a-hydroxyalprazolam	5.692	336908	1081.21	57.8	648.86	441605	104.5473 ng/ml
alpha-PHP	4.923	238477	13509.22	265.6	24472.51	473686	98.7315 ng/ml
alpha-PVP	4.363	1067297	29767.68	51.7	964.42	473686	97.6782 ng/ml
Alprazolam	5.768	1224291	1991.89	113.4	6995.56	441605	98.6571 ng/ml
Amphetamine	3.063	1301569	14664.01	48.9	577.27	149867	106.7992 ng/ml
Benzoylcegonine	3.892	50295	918.00	7.3	2111.88	18249	97.0761 ng/ml
Buprenorphine	5.677	5265	224.21	17.4	5577.43	24000	8.8276 ng/ml
Bupropion	4.774	743778	18456.59	61.1	1334.54	265079	99.9901 ng/ml
Carisoprodol	5.724	1159415	809727.69	54.7	12190.92	577924	96.7356 ng/ml
Citalopram	5.212	264199	11703.91	43.2	30914.63	121374	99.9286 ng/ml
Clonazepam	5.612	1507570	717.14	32.2	1024.85	178168	105.4846 ng/ml
Clonazepam	5.548	1002044	86228.96	37.6	821549.22	178168	99.7847 ng/ml
Cocaine	4.257	984038	24119.94	52.2	1040.86	916310	98.6852 ng/ml
Codeine	2.573	147667	646.36	101.7	534.17	73281	105.8670 ng/ml
NE Cyclobenzaprine	5.608	46833	50913.89	9.8	33.20	18803	101.9052 ng/ml
Dextromethorphan	5.255	113112	330349.40	78.9	356.60	52550	101.3423 ng/ml
Dextrophan	4.105	300283	12873.07	205.5	1650.82	361188	98.8511 ng/ml
Diazepam	5.953	755265	6241.80	88.5	1097.42	349424	100.6219 ng/ml
Dihydrocodeine	2.552	381033	1573.32	63.7	8033.48	226912	104.4209 ng/ml
Diphenhydramine	5.282	723436	955.49	32.9	7206.40	431842	98.1431 ng/ml
Doxylamine	4.522	2264966	24083.49	97.4	14758.15	983371	99.8193 ng/ml
EDDP	5.254	680351	2232.81	41.6	13790.87	350498	97.8621 ng/ml
Etizolam	5.813	699923	3941.55	25.4	636680.58	178168	91.9983 ng/ml
Fentanyl	5.082	9481	72.83	66.4	143.53	43624	9.9145 ng/ml
Flualprazolam	5.698	573201	7237.28	95.1	25744.93	441605	103.0260 ng/ml
NE Fluoxetine	5.700	28567	3439.29	8.2	82.49	12588	96.8426 ng/ml
Hydrocodone	3.012	525715	237.69	38.5	276.91	651867	102.7377 ng/ml
Hydromorphone	1.601	523019	4681887.11	74.8	3552.22	10222	100.7190 ng/ml
Ketamine	4.037	1020847	48053.57	37.4	1150.37	477789	102.1513 ng/ml
Lamotrigine	4.267	104986	1470.48	80.7	5717.29	477789	105.6113 ng/ml
Levetiracetam	2.683	574686	7960.77	166.0	5148.73	1070222	107.3289 ng/ml

TS



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	1075068	35467.59	56.4	2193.19	178168	90.4815 ng/ml
MDA	3.196	1207987	4278.29	25.7	1187.53	330614	105.7818 ng/ml
MDMA	3.290	769694	7271.00	79.3	3764.88	75487	99.3321 ng/ml
Meprobamate	4.924	718064	99465.48	27.1	18130.08	353618	100.2138 ng/ml
Methadone	5.646	369786	6361.84	46.1	137.43	170623	98.5975 ng/ml
Methamphetamine	3.231	898707	1158.72	38.5	781.90	376583	104.0629 ng/ml
Metoprolol	4.326	223646	12563.10	89.9	2676.17	1102657	100.8277 ng/ml
NE Mirtazapine	4.597	530373	3200.33	48.5	3796.22	473686	88.7624 ng/ml
Mitragynine	5.210	46905	36922.63	37.7	46842.71	170623	82.9363 ng/ml
Morphine	1.247	85633	83815.04	28.9	1785.00	10222	99.9802 ng/ml
Norbuprenorphine	4.986	869	9880.08	121.5	1715.13	4449	9.4652 ng/ml
Nordiazepam	5.893	743731	1487.43	58.8	822.07	248851	102.3392 ng/ml
Norfentanyl	4.079	209247	1982.42	34.4	800.95	884634	9.6495 ng/ml
Norhydrocodone	3.059	74909	186.24	41.9	74.02	69790	93.5309 ng/ml
Noroxycodone	2.903	569972	1781.02	42.3	1707.03	196183	102.1185 ng/ml
O-desmethyl-tramadol	3.369	2482042	277576.17	6.7	12856.31	1465520	100.5843 ng/ml
Oxazepam	5.749	1385432	357.00	75.7	70323.00	532465	105.9805 ng/ml
Oxycodone	2.827	1158898	5079.24	26.9	830.76	502411	101.2999 ng/ml
Oxymorphone	1.398	589725	1059.37	41.6	∞	210329	103.1465 ng/ml
Phentermine	3.783	332788	∞	4.8	88.56	397501	106.4902 ng/ml
Promethazine	5.525	104104	635.45	27.7	369.90	45498	96.1082 ng/ml
Pseudoephedrine	2.596	2266192	53653.62	16.4	62076.32	1070222	96.3734 ng/ml
Quetiapine	5.514	377266	32185.43	57.0	243.96	50345	103.2349 ng/ml
NE Sertraline	5.762	12026	190.36	106.2	17888.09	6018	97.0888 ng/ml
Temazepam	5.816	2507366	1476.81	27.8	599.80	1178214	99.3707 ng/ml
Tramadol	4.246	2195496	∞	3.7	275.91	1102657	100.4171 ng/ml
Trazodone	5.060	261528	2725.69	78.7	15069.70	106096	99.8000 ng/ml
Venlafaxine	5.037	1693946	828.47	38.5	1316.43	836950	99.7454 ng/ml
Zolpidem	4.833	2686505	3647.54	30.6	2383.01	1291938	102.7055 ng/ml

NE = not evaluated

TS



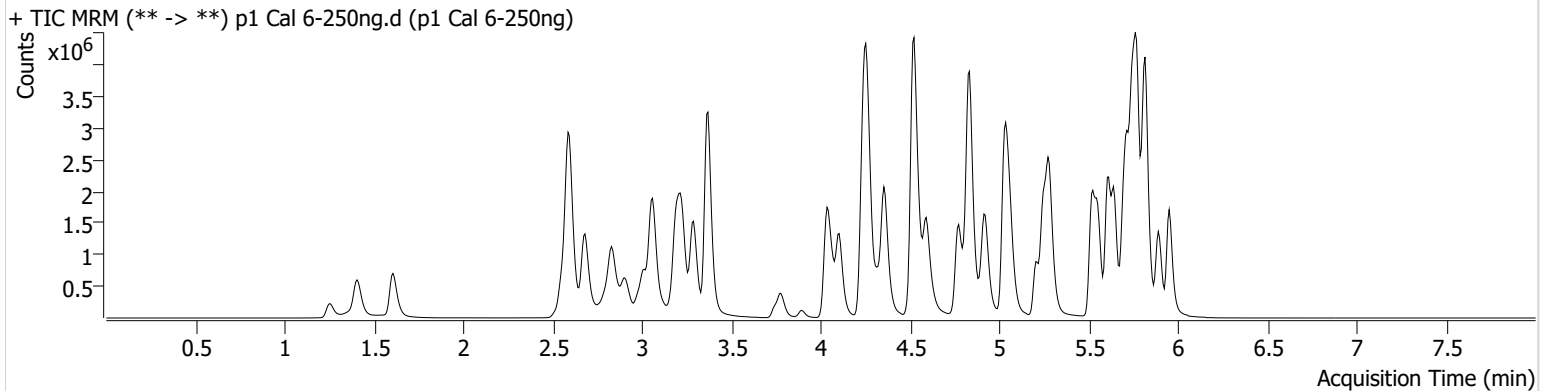
AM #28 Multi-Drug Quant. Results

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Instrument Instrument 1
Type Cal
Acq. Method AM 28 MDQ P1.m
Sample Position P6-F1
Injection Volume 2
Acq. Date-Time 4/15/2021 7:38:16 PM
Sample Info.

Data File p1 Cal 6-250ng.d
Sample p1 Cal 6-250ng
Operator Tamara Salazar
Comment

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	79195	416.58	70.9	416.77	82155	24.2025 ng/ml
7-aminoclonazepam	4.265	1334538	877.31	80.1	39672.38	205621	241.5515 ng/ml
a-hydroxyalprazolam	5.692	564433	1010.64	58.3	543.96	385895	201.3546 ng/ml
alpha-PHP	4.923	720715	35644.86	265.8	59689.37	552690	255.5420 ng/ml
alpha-PVP	4.356	3115618	98704.57	52.4	71735.28	552690	244.0295 ng/ml
Alprazolam	5.768	2809999	∞	112.7	4214.23	385895	258.6620 ng/ml
Amphetamine	3.063	3620028	70296.46	48.5	1985.93	178578	250.7827 ng/ml
Benzoylecgonine	3.892	131827	4439.74	7.5	3872.36	18753	247.6658 ng/ml
Buprenorphine	5.677	28107	3375.46	14.1	9218.97	42698	27.1688 ng/ml
Bupropion	4.774	2376950	1861.53	60.6	961.86	347821	243.5138 ng/ml
Carisoprodol	5.724	2209173	1621175.34	54.5	8594.86	427793	248.7125 ng/ml
Citalopram	5.205	1149574	28746.12	42.3	6493.76	208086	253.2674 ng/ml
Clonazepam	5.612	3106896	482217.04	31.7	147749.46	159274	243.7981 ng/ml
Clonazepam	5.548	2239231	76378.46	37.2	1971063.66	159274	249.1441 ng/ml
Cocaine	4.257	2635380	∞	51.4	45893.03	988656	244.5602 ng/ml
Codeine	2.573	335938	6537.45	102.2	32550.51	71762	246.4877 ng/ml
NE Cyclobenzaprine	5.608	860225	∞	8.8	161633.86	138557	253.8400 ng/ml
Dextromethorphan	5.255	639829	8527.83	79.4	45371.79	122519	245.5592 ng/ml
Dextrophan	4.105	863814	3001.29	207.0	61189.59	423017	242.2714 ng/ml
Diazepam	5.953	1852672	9192.89	87.5	728.68	348272	247.5100 ng/ml
Dihydrocodeine	2.552	958764	3003.23	64.6	2144.09	245925	243.0550 ng/ml
Diphenhydramine	5.282	3095403	102171.28	32.9	7467.46	732125	247.2836 ng/ml
Doxylamine	4.522	6918277	57024.68	97.0	76003.76	1173271	255.3322 ng/ml
EDDP	5.248	2260260	538.86	42.6	25468.42	464389	245.2015 ng/ml
Etizolam	5.813	1673401	6198.22	24.7	434167.62	159274	245.1507 ng/ml
Fentanyl	5.075	87935	3693.31	71.5	208.81	161857	24.7138 ng/ml
Flualprazolam	5.698	1246777	26423.29	98.8	48429.38	385895	256.5523 ng/ml
NE Fluoxetine	5.693	780597	11923.60	8.9	137980.19	130688	256.5511 ng/ml
Hydrocodone	3.012	1400805	∞	38.5	568.46	719387	248.7878 ng/ml
Hydromorphone	1.608	1306274	2993046.30	76.6	834.10	10565	243.7730 ng/ml
Ketamine	4.037	2810295	65054.64	37.7	1138.83	535120	251.3110 ng/ml
Lamotrigine	4.267	235900	2346.65	81.0	7563.98	535120	211.8029 ng/ml
Levetiracetam	2.683	1377293	9992.37	162.8	6289.14	1156803	237.4070 ng/ml

AM #28 Multi-Drug Quant. Results

TS



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
* Lorazepam	5.740	1491144	9716.39	59.2	2834.28	159274	140.8793 ng/ml
MDA	3.196	3084989	4666.66	24.6	2724.29	355428	252.2192 ng/ml
MDMA	3.290	2223585	16143.81	80.2	17382.04	89120	242.9149 ng/ml
Meprobamate	4.917	1409437	378.23	27.2	∞	325671	214.2741 ng/ml
Methadone	5.646	2085108	24250.48	45.6	37024.76	383105	247.5844 ng/ml
Methamphetamine	3.231	2541056	1263.80	37.8	5650.65	439242	256.3309 ng/ml
Metoprolol	4.319	624416	17287.37	91.0	41007.39	1176854	263.7363 ng/ml
NE Mirtazapine	4.590	2152123	64435.27	48.7	14105.72	552690	304.6979 ng/ml
Mitragynine	5.203	342886	1352.68	39.3	1581.35	383105	265.4107 ng/ml
Morphine	1.253	212000	668.41	30.1	711.41	10565	239.6598 ng/ml
Norbuprenorphine	4.979	4104	6779.13	102.3	2336.14	8016	24.6737 ng/ml
Nordiazepam	5.893	1752207	1024.44	57.3	1831.91	235654	254.7899 ng/ml
Norfentanyl	4.079	601707	85600.26	33.8	1619.31	1007609	24.2701 ng/ml
Norhydrocodone	3.059	177244	201.50	41.8	169.59	66972	229.5952 ng/ml
Noroxycodone	2.903	1365763	1230.95	42.4	7597.57	194077	247.5396 ng/ml
O-desmethyl-tramadol	3.369	6776941	117275.09	6.6	24655.45	1574777	255.2788 ng/ml
Oxazepam	5.749	2348715	10304.42	73.5	5291.49	383148	249.9830 ng/ml
Oxycodone	2.827	3142142	5527.18	26.6	892.32	560110	246.5426 ng/ml
Oxymorphone	1.405	1437269	3012.11	42.2	529.84	212847	248.8832 ng/ml
Phentermine	3.783	926088	1165.12	4.7	2298.73	471342	250.6466 ng/ml
Promethazine	5.525	1899965	7233.55	27.8	663.60	316117	251.9141 ng/ml
Pseudoephedrine	2.596	6276751	120552.77	16.2	86787.69	1156803	246.2636 ng/ml
Quetiapine	5.514	1499085	2134.21	58.5	9480332.63	82704	249.7962 ng/ml
NE Sertraline	5.762	406820	451.61	99.5	541.27	77635	252.1259 ng/ml
Temazepam	5.816	5004292	105659.78	27.6	1504.05	950755	245.2253 ng/ml
Tramadol	4.239	6117665	43353.80	3.6	544.95	1176854	262.6078 ng/ml
Trazodone	5.054	1309203	1008022.60	81.2	42633.15	217963	242.8784 ng/ml
Venlafaxine	5.030	4974880	235107.67	38.3	8747.04	984992	248.2653 ng/ml
Zolpidem	4.833	7565698	14233939.75	29.9	1951.96	1423839	262.7368 ng/ml

NE = not evaluated

*Outside curve range

AM #28 Multi-Drug Quant. Results

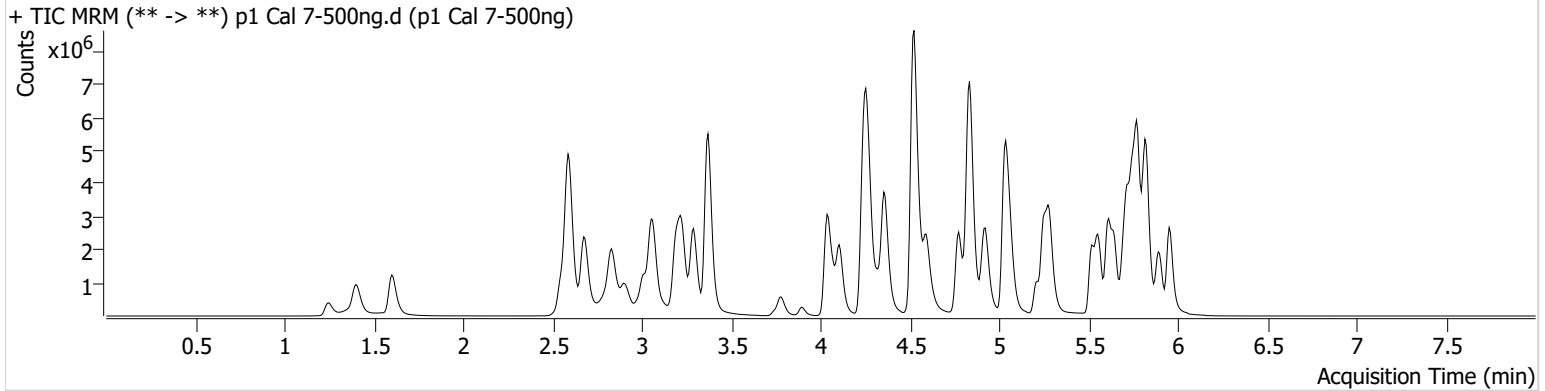


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Calibration Last Update 4/20/2021 3:17:55 PM

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	Tamara Salazar
Sample Position	P6-G1	Comment	
Injection Volume	2		
Acq. Date-Time	4/15/2021 7:48:51 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	163873	10982.42	70.1	154783.69	82699	49.7076 ng/ml
7-aminoclonazepam	4.271	2092560	8273.50	79.1	10258.19	155885	499.5538 ng/ml
* a-hydroxyalprazolam	5.685	740357	679.57	59.2	2372.53	335902	303.9284 ng/ml
alpha-PHP	4.923	1281568	48280.99	268.4	48073.54	521499	481.4755 ng/ml
alpha-PVP	4.363	6007357	2160.39	52.8	2133.60	521499	498.4221 ng/ml
Alprazolam	5.775	4784234	1983.06	113.7	∞	335902	505.6612 ng/ml
Amphetamine	3.064	5910476	2725.79	47.8	4702.64	159486	459.4034 ng/ml
Benzoylcegonine	3.892	300119	14002.32	7.8	7867.09	21177	499.3452 ng/ml
Buprenorphine	5.677	29380	668.46	15.8	3760.74	24195	50.4072 ng/ml
Bupropion	4.774	4154835	5854.90	61.1	927.38	298635	495.7482 ng/ml
Carisoprodol	5.724	3199414	431376.04	55.5	7884.63	304323	506.1396 ng/ml
Citalopram	5.212	1479363	25535.55	43.3	6927.42	132880	510.1568 ng/ml
Clonazepam	5.612	4951718	98281.62	31.9	87038.84	129655	477.7840 ng/ml
Clonazepam	5.548	3763785	112296.82	37.4	1615989.92	129655	514.2317 ng/ml
Cocaine	4.257	4822429	1836.78	51.2	270946.22	875320	505.1779 ng/ml
Codeine	2.566	555699	750.16	102.1	1868.58	69873	419.0461 ng/ml
NE Cyclobenzaprine	5.608	604431	5791.75	8.8	246.74	48997	504.2620 ng/ml
Dextromethorphan	5.255	641828	18609.72	81.0	24274.01	59611	506.0377 ng/ml
Dextrophan	4.105	1484855	160188.43	208.6	42593.26	353622	497.7962 ng/ml
Diazepam	5.953	3253468	10797.04	87.6	879.37	305916	494.7404 ng/ml
Dihydrocodeine	2.545	1798409	1711.92	64.9	12887.52	255934	438.4594 ng/ml
Diphenhydramine	5.282	4113398	89512.44	32.3	11858.30	478897	502.0897 ng/ml
Doxylamine	4.522	13860828	10226.61	96.9	15645.12	1149618	521.9418 ng/ml
EDDP	5.248	4300643	79687.28	41.2	58947.62	425338	509.2559 ng/ml
Etizolam	5.813	2933193	12480.14	25.1	322166.26	129655	527.2598 ng/ml
Fentanyl	5.082	66050	4197.51	74.3	206159.16	57475	52.2236 ng/ml
Flualprazolam	5.698	2042095	12284.49	102.8	32004.15	335902	482.8103 ng/ml
NE Fluoxetine	5.700	377022	2012.88	8.3	38.88	30399	533.8070 ng/ml
Hydrocodone	3.012	2610709	∞	38.4	448.72	699804	477.1183 ng/ml
Hydromorphone	1.601	2416187	1924.98	75.9	4242352.42	9775	487.5845 ng/ml
Ketamine	4.037	5616797	341283.58	37.0	1393.64	540670	497.2787 ng/ml
* Lamotrigine	4.273	372026	3772.58	81.7	1848.39	540670	330.5520 ng/ml
Levetiracetam	2.676	2537455	10550.73	165.2	31100.06	1021905	494.6200 ng/ml

TS



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
* Lorazepam	5.740	1671034	28305.06	55.3	9657.33	129655	194.2774 ng/ml
MDA	3.196	4827051	4765.90	24.6	5365.86	298538	470.4327 ng/ml
MDMA	3.290	3943348	10755.35	80.3	11389.72	78216	490.7403 ng/ml
* Meprobamate	4.924	2143945	34831.99	27.9	16847.31	289667	366.8875 ng/ml
Methadone	5.646	2394334	46252.91	46.2	588.55	220820	493.2255 ng/ml
Methamphetamine	3.231	4098662	4481.50	37.9	1905.33	371400	491.5750 ng/ml
Metoprolol	4.319	1103799	404932.79	90.9	4741.41	1118435	490.5531 ng/ml
NE Mirtazapine	4.590	3147991	2620.63	48.3	15650.22	521499	471.4629 ng/ml
* Mitragynine	5.210	293404	3619.52	39.8	1170.98	220820	393.0260 ng/ml
Morphine	1.247	410603	30204.11	29.2	599.82	9775	501.7921 ng/ml
Norbuprenorphine	4.986	4808	2177.54	95.2	6646.66	4547	50.8751 ng/ml
Nordiazepam	5.900	2750707	83446.34	57.3	1132.52	194104	485.7120 ng/ml
Norfentanyl	4.079	1174007	32053.31	34.4	677.42	935778	50.9230 ng/ml
Norhydrocodone	3.059	323067	291.36	41.5	117.40	52219	535.7958 ng/ml
Noroxycodone	2.903	2123585	2192.81	43.9	1251.75	154889	482.3988 ng/ml
O-desmethyl-tramadol	3.369	12977218	148707.02	6.7	42329.36	1478411	520.4950 ng/ml
Oxazepam	5.749	2624898	9828.04	73.7	13866.09	228277	469.1105 ng/ml
Oxycodone	2.827	6148489	12636.01	26.6	2437.35	552086	489.5655 ng/ml
Oxymorphone	1.398	2592834	∞	42.4	∞	195212	489.8692 ng/ml
Phentermine	3.783	1513674	1102.09	4.7	593.73	407745	474.0564 ng/ml
Promethazine	5.525	1288708	13650.41	27.9	308.41	106687	505.9507 ng/ml
Pseudoephedrine	2.589	11655760	1233.25	15.8	1576.93	1021905	517.1875 ng/ml
Quetiapine	5.514	2447994	118245.63	60.0	∞	68388	493.3654 ng/ml
NE Sertraline	5.762	182698	232.28	96.2	2463.39	17517	500.2989 ng/ml
Temazepam	5.823	7077690	18440.56	27.4	36456.93	649432	507.3494 ng/ml
Tramadol	4.239	11046113	2232.03	3.6	754.43	1118435	499.1804 ng/ml
Trazodone	5.060	1854963	4203.94	80.3	2987.60	144612	518.4348 ng/ml
Venlafaxine	5.037	9552437	86164.30	37.8	1811.55	895200	524.0374 ng/ml
Zolpidem	4.833	14920712	253565.29	30.0	91649.10	1461658	504.9240 ng/ml

NE = not evaluated

*Outside curve range

TS

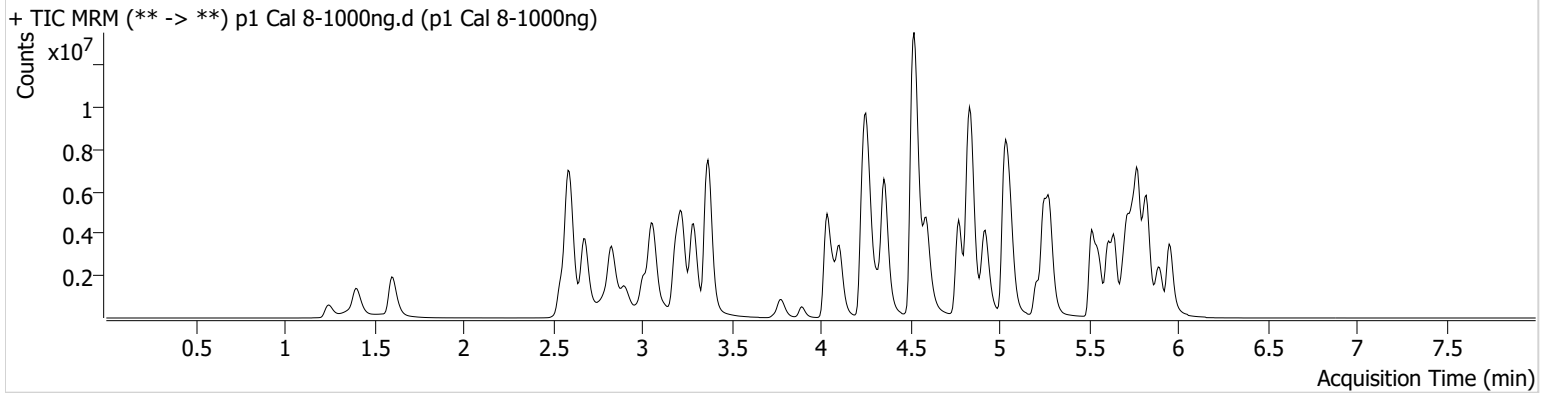


AM #28 Multi-Drug Quant. Results

Batch results G:\TOX\Pocatello\Falco\2021\AM 27-28\04152021 AM 28 AG\QuantResults\AM 28 P1 AG.batch.bin
Calibration Last Update 4/20/2021 3:17:55 PM

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	Tamara Salazar
Sample Position	P6-H1	Comment	
Injection Volume	2		
Acq. Date-Time	4/15/2021 7:59:26 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	314618	5593.17	70.3	712.54	77606	101.6532 ng/ml
7-aminoclonazepam	4.271	2536634	14216.74	79.5	267548.60	93438	1010.2374 ng/ml
* a-hydroxyalprazolam	5.685	883915	151.76	59.7	662.11	240475	507.5230 ng/ml
alpha-PHP	4.923	2295757	4125.41	271.3	111558.23	460715	976.1692 ng/ml
alpha-PVP	4.356	11371155	8555.20	51.9	2670.39	460715	1067.6550 ng/ml
Alprazolam	5.775	6712907	∞	112.5	∞	240475	990.7880 ng/ml
Amphetamine	3.063	9631685	12350.06	47.9	72578.30	143859	830.8705 ng/ml
Benzoylcegonine	3.892	608594	22979.29	7.9	68622.32	20303	1056.2726 ng/ml
Buprenorphine	5.677	40743	1475.46	14.7	20824.91	17600	96.4032 ng/ml
Bupropion	4.774	7786295	3610.45	59.8	5507.98	274929	1009.1431 ng/ml
Carisoprodol	5.724	4171501	60088.73	53.6	14724.84	188033	1067.8468 ng/ml
Citalopram	5.212	2528986	840.15	42.7	1052.00	115326	1004.6388 ng/ml
Clonazepam	5.612	6547894	63251.12	31.6	29838.39	89343	917.3030 ng/ml
Clonazepam	5.555	5020459	144328.20	37.5	1779292.51	89343	995.2361 ng/ml
Cocaine	4.257	8180043	2404.23	51.1	2504.82	726681	1031.9086 ng/ml
* Codeine	2.566	798408	465.13	98.9	6200.07	59334	709.2887 ng/ml
NE Cyclobenzaprine	5.608	794912	1265.83	8.6	306.13	31895	1018.6470 ng/ml
Dextromethorphan	5.255	996644	587.21	79.5	17945.32	47530	985.3126 ng/ml
Dextrophan	4.105	2485847	83964.46	211.5	2460.82	288174	1022.2675 ng/ml
Diazepam	5.953	4764453	12172.67	88.7	130683.70	228566	969.6066 ng/ml
* Dihydrocodeine	2.545	2895888	1186.26	66.3	24077.52	246833	732.3760 ng/ml
Diphenhydramine	5.282	7145887	334049.93	32.9	1948.55	399474	1045.3677 ng/ml
Doxylamine	4.522	24730990	3023.07	96.9	15142.01	1140152	938.8895 ng/ml
EDDP	5.254	8650180	98614.60	41.4	46835.75	411915	1057.5511 ng/ml
Etizolam	5.813	4418808	7978.47	25.1	46684.85	89343	1152.0703 ng/ml
Fentanyl	5.082	110111	803.13	70.0	717581.79	47407	105.5023 ng/ml
Flualprazolam	5.705	2768524	49229.03	103.5	6263.45	240475	914.3725 ng/ml
NE Fluoxetine	5.693	277824	8682.43	9.1	∞	13389	893.8185 ng/ml
Hydrocodone	3.012	4541861	438.35	38.7	398.91	646952	898.3097 ng/ml
Hydromorphone	1.601	4125673	1085174.82	76.5	6514670.92	8484	959.4621 ng/ml
Ketamine	4.037	9983077	173074.12	36.6	14575.49	508914	939.1321 ng/ml
* Lamotrigine	4.273	470778	2594.24	85.1	41149.58	508914	444.3683 ng/ml
Levetiracetam	2.683	4005678	11069.15	168.8	26665.93	797451	1000.1137 ng/ml

AM #28 Multi-Drug Quant. Results

TS



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
* Lorazepam	5.740	1728670	36464.93	56.4	5734.38	89343	292.1077 ng/ml
MDA	3.196	7098667	8788.08	23.7	1780.02	243700	848.0373 ng/ml
MDMA	3.290	7118989	155231.94	79.4	11947.39	66059	1048.8551 ng/ml
* Meprobamate	4.924	2748649	88232.52	27.8	13069.64	233673	583.4428 ng/ml
Methadone	5.646	4021553	27132.04	46.1	73656.04	177664	1029.6447 ng/ml
Methamphetamine	3.224	7973257	436026.99	37.0	1834.12	388596	916.4155 ng/ml
Metoprolol	4.319	1775506	16811.88	91.8	58929.48	973741	906.3147 ng/ml
NE Mirtazapine	4.590	6115566	226067.51	47.5	10165.68	460715	1034.8120 ng/ml
* Mitragynine	5.210	461002	1986.12	39.7	513.42	177664	765.5860 ng/ml
Morphine	1.247	684966	4878.14	29.0	∞	8484	964.5334 ng/ml
Norbuprenorphine	4.986	7106	273.18	99.3	∞	3486	97.9920 ng/ml
Nordiazepam	5.900	3742977	5366.42	56.8	986.34	133518	960.9478 ng/ml
Norfentanyl	4.079	2224288	82352.32	33.8	2342.02	799626	112.8339 ng/ml
Norhydrocodone	3.060	581522	222.05	41.3	107.09	44472	1131.6523 ng/ml
Noroxycodone	2.903	3174983	3583.21	43.7	18013.76	114189	978.4428 ng/ml
O-desmethyl-tramadol	3.369	20657552	1935.88	7.1	28269.66	1276052	959.7670 ng/ml
Oxazepam	5.749	2551617	12493.27	72.6	7391.05	113161	920.1151 ng/ml
Oxycodone	2.827	11208357	9131.79	26.2	5086.39	505693	974.4508 ng/ml
Oxymorphone	1.398	4269243	239.14	42.2	∞	163278	964.6756 ng/ml
Phentermine	3.783	2571922	483.38	4.6	346.68	405989	809.3491 ng/ml
Promethazine	5.525	1665152	4695.10	28.8	5761.46	69086	1009.2233 ng/ml
Pseudoephedrine	2.596	18959448	193013.57	16.1	123167.24	797451	1077.5753 ng/ml
Quetiapine	5.514	5242197	84271.68	58.4	60327.06	71780	1006.6387 ng/ml
NE Sertraline	5.762	143430	113.97	99.0	4016.21	6989	982.9824 ng/ml
Temazepam	5.830	8013220	174831.70	28.1	6490.59	348031	1071.4442 ng/ml
Tramadol	4.239	17518463	74994.83	3.8	879.90	973741	909.5326 ng/ml
Trazodone	5.060	3940900	1505.06	79.2	1399.38	152983	1040.9402 ng/ml
Venlafaxine	5.037	16479732	364288.85	39.8	5156.84	797757	1014.0868 ng/ml
Zolpidem	4.841	23217529	455808.77	33.8	87103.86	1351017	850.1650 ng/ml

NE = not evaluated

*Outside curve range