Worklist: 4981

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION	
M2021-1870	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	||| |||
P2020-3105	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	||| |||
P2020-3115	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	||| |||
P2020-3795	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	||| |||
P2021-1116	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	||| |||
P2021-1255	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	||| |||
P2021-1256	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	||| |||
P2021-1276	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	||| |||
P2021-1278	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	||| |||
P2021-1279	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	||| |||
P2021-1280	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	||| |||
P2021-1286	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	||| |||
P2021-1317	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	||| |||
P2021-1318	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	||| |||
P2021-1357	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	||| |||
P2021-1358	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	||| |||
P2021-1360	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	||| |||
P2021-1361	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	||| |||
P2021-1372	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	||| |||
P2021-1373	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	||| |||
P2021-1374	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	||| |||

Worklist: 4981

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION	
P2021-1405	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	‖‖ ‖‖ ‖‖‖‖‖‖‖‖‖‖ ‖‖‖ ‖‖ ‖‖‖‖‖
P2021-1405	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	‖‖ ‖‖ ‖‖‖‖‖‖‖‖‖ ‖‖‖ ‖‖‖ ‖‖‖‖‖

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

Extraction Date: 05/12/2021   Analyst: Celena Shrum
Plate lot#: 201207   Plate Expiration: 06/07/2021
Mobile phase A: 5mM Amm Form + 0.01% FA   **Mobile phase B:** 0.01% Formic Acid in MeOH
Blank Blood Lot: Lampire 20L20723
Column: Agilent 120 EC-C18 (2.1x 100-2.7um)
LCMS-QQQ ID: 069901

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

Analytic:
☒ 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
☒ 2. 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 0.5 M 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. **Urine samples add 50 ul 1% HCl in MeOH**. 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 R^2 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 limits: alpha-hydroxyalprazolam 5-100, Alpha-PHP 5-500, Amphetamine 5-500, Codeine 5-500, Dihydrocodeine 5-500, Etizolam 5-250, Lamotrigine 5-500, Lorazepam 5-100, Meprobamate 5-100, Mirtazapine 5-250, Mitragynine 5-500, Phentermine 5-500. Levetiracetam not evaluated as there was a peak/response for that compound in the blank.

There was a calibrator or QC in the internal standard blank, so the samples that had a blank run before them were all reinjected after a new blank was made.

P2020-3105-1 was inadvertently injected after another sample containing the same compound. The sample was reinjected to show that there was no carryover from the previous sample and the lower values of the two injections will be reported.

Surrogate internal standards were used for hydromorphone and alpha-hydroxyalprazolam and as such these compounds will be called qualitatively only.

P2021-1085-1 and P2021-1088-1 were included in this run and evaluated for o-desmethyltramadol and tramadol only.

	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1	IS + Sample	IS + Sample	IS + Cal. 1	IS + QC_1	P2020-3115-1	P2021-1280-1	P2021-1372-1	IS + Sample	IS + Sample	IS + Cal. 8
B	IS + Cal. 2	IS + QC_2	IS + Sample	IS + Sample	IS + Cal. 2	IS + QC_2	P2020-3795-1	P2021-1286-1	P2021-1373-1	IS + Sample	IS + Sample	IS + Cal. 7
C	IS + Cal. 3	IS + QC_3	IS + Sample	IS + Sample	IS + Cal. 3	IS + QC_3	P2021-1116-1	P2021-1317-1	P2021-1374-1	IS + Sample	IS + Sample	IS + Cal. 6
D	IS + Cal. 4	IS + QC_4	IS + Sample	IS + Sample	IS + Cal. 4	IS + QC_4	P2021-1255-1	P2021-1318-1	P2021-1405-1	IS + Sample	IS + QC_2	IS + Cal. 5
E	IS + Cal. 5	IS + QC_2	IS + Sample	IS + Sample	IS + Cal. 5	Not Used IS + QC_2	P2021-1256-1	P2021-1357-1	P2021-1405-3	IS + Sample	IS + QC_4	IS + Cal. 4
F	IS + Cal. 6	IS + Sample	IS + Sample	IS + Sample	IS + Cal. 6	Blood NEG	P2021-1276-1	P2021-1358-1	P2021-1085-1	IS + Sample	IS + QC_3	IS + Cal. 3
G	IS + Cal. 7	IS + Sample	IS + Sample	IS + Sample	IS + Cal. 7	M2021-1870-2	P2021-1278-1	P2021-1360-1	P2021-1088-1	IS + Sample	IS + QC_2	IS + Cal. 2
H	IS + Cal. 8	IS + Sample	IS + Sample	IS + Sample	IS + Cal. 8	P2020-3105-1	P2021-1279-1	P2021-1361-1	Amber CT2	IS + Sample	IS + QC_1	IS + Cal. 1

AM #28 Multi-Drug Quant. Results

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin
Calibration Last Update   5/21/2021 10:30:52 AM

Instrument	Falco (069901)	**Data File**	p1 Negative Blood.d
Type	Sample	**Sample**	p1 Negative Blood
Acq. Method	AM 28 MDQ P1.m	**Operator**	Celena Shrum
Sample Position	P2-F6	**Comment**	
Injection Volume	2		
Acq. Date-Time	5/13/2021 12:18:09 AM		
Sample Info.			

Sample reinjected. Refer to reinject data.

Sample Chromatogram

+ TIC MRM (** -> **) p1 Negative Blood.d (p1 Negative Blood)

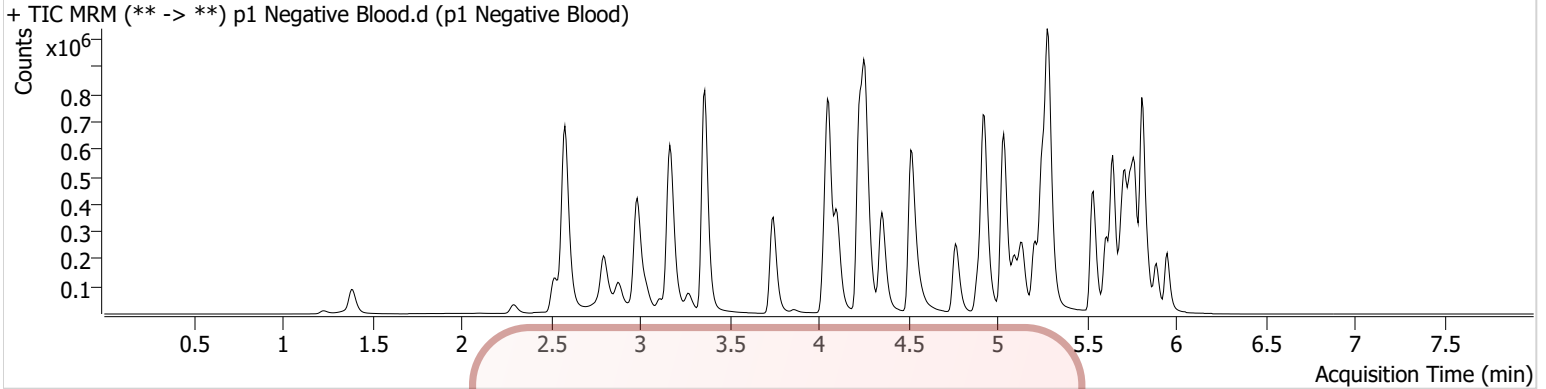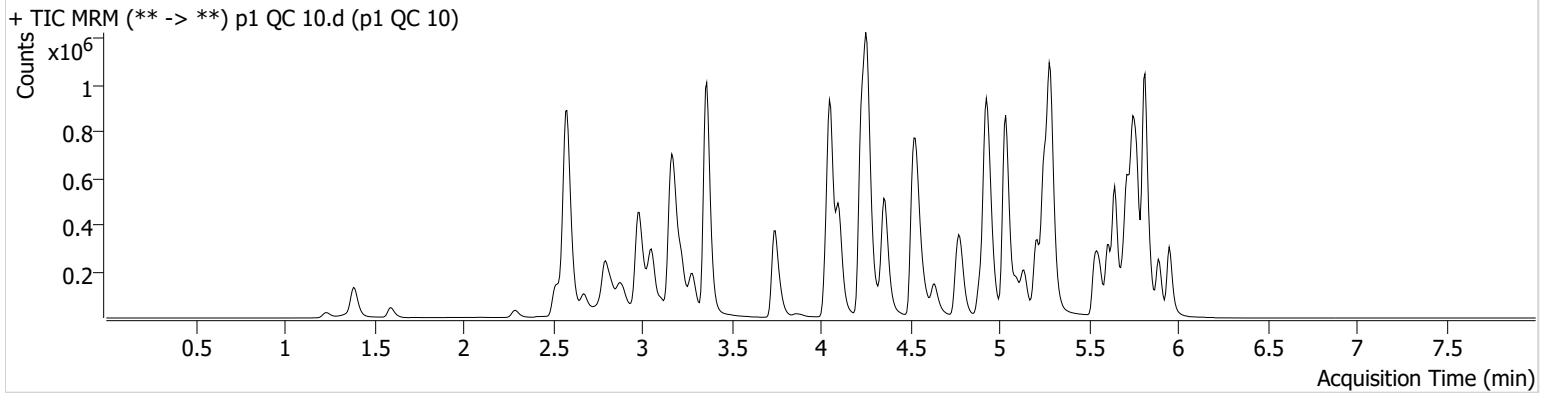| Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Cyclobenzaprine	5.615	23055	619.03	10.5	14.26	348083	2.9914 ng/ml
Fluoxetine	5.700	62680	213.53	8.6	131.10	458506	5.6367 ng/ml
Promethazine	5.538	71982	131.08	27.7	148.65	804045	4.0757 ng/ml
Sertraline	5.776	42110	73.22	100.0	91.16	261172	7.6205 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin
Calibration Last Update   5/21/2021 10:30:52 AM

Instrument	Falco (069901)	**Data File**	p1 QC 10.d
Type	QC	**Sample**	p1 QC 10
Acq. Method	AM 28 MDQ P1.m	**Operator**	Celena Shrum
Sample Position	P2-A6	**Comment**	
Injection Volume	2		
Acq. Date-Time	5/12/2021 11:14:29 PM		
Sample Info.			

Sample reinjected. Refer to reinject data.

Sample Chromatogram

+ TIC MRM (** -> **) p1 QC 10.d (p1 QC 10)

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	4440	1934.87	65.4	505.42	111289	0.9690 ng/ml
7-aminoclonazepam	4.271	54901	235.27	80.2	44.49	206651	9.7031 ng/ml
a-hydroxyalprazolam	5.699	51930	349.35	57.3	459.40	565749	10.1728 ng/ml
alpha-PHP	4.937	59169	910.17	273.2	312.84	1040760	9.7377 ng/ml
alpha-PVP	4.363	234844	286.18	51.6	594.30	1040760	10.1108 ng/ml
Alprazolam	5.775	159647	338.91	115.7	766.70	565749	10.1553 ng/ml
Amphetamine	3.056	438479	675.39	49.2	841.75	447162	9.9825 ng/ml
Benzoylecgonine	3.892	6506	21027.72	7.5	24.30	24052	10.1377 ng/ml
Buprenorphine	5.907	3781	855.37	13.9	1266.96	152194	0.8982 ng/ml
Bupropion	4.788	220173	745.46	60.2	767.96	792590	10.0501 ng/ml
Carisoprodol	5.724	150209	38553.61	56.6	1105.12	778311	9.5940 ng/ml
Citalopram	5.212	118232	571.67	42.0	287.69	546270	10.0465 ng/ml
Clonazepam	5.612	183980	4671.17	31.8	4908.14	216541	10.0806 ng/ml
Clonazolam	5.555	125507	14873.64	36.0	67724.50	216541	10.3313 ng/ml
Cocaine	4.257	191067	1491.21	50.9	2718.44	1802840	9.8873 ng/ml
Codeine	2.573	22668	942.73	102.7	228.82	113384	9.9260 ng/ml
Cyclobenzaprine	5.615	33893	107.54	9.6	27.10	130188	10.5939 ng/ml
Dextromethorphan	5.262	61640	1388.51	78.4	381.51	288498	10.1689 ng/ml
Dextrorphan	4.105	66673	612.30	200.9	1097.01	802547	10.0095 ng/ml
Diazepam	5.960	97008	352.51	88.0	662.33	454771	9.8509 ng/ml
Dihydrocodeine	2.552	58545	3305.84	65.7	1094.47	338065	10.4924 ng/ml
Diphenhydramine	5.289	309257	262.13	32.6	1454.54	1916361	9.6629 ng/ml
Doxylamine	4.543	459453	6801.41	98.3	2366.43	2044139	10.0295 ng/ml
EDDP	5.254	197106	3143.77	42.0	1293.09	1043556	9.6345 ng/ml
Etizolam	5.813	93185	10349.32	25.4	36362.61	216541	9.5169 ng/ml
Fentanyl	5.109	6658	105.62	64.1	5779.55	307586	1.0462 ng/ml
Flualprazolam	5.705	73621	1990.76	98.5	4361.66	565749	10.2227 ng/ml
Fluoxetine	5.700	33174	458.81	8.4	261.84	110588	12.6525 ng/ml
Hydrocodone	3.012	82596	189.39	38.8	120.29	1003227	9.9213 ng/ml
Hydromorphone	1.595	75112	1587.46	77.6	286596.53	12042	9.7091 ng/ml
Ketamine	4.051	171754	7591.15	37.4	330.36	816029	9.7650 ng/ml
Lamotrigine	4.274	15329	199.11	83.6	2796.92	816029	10.0008 ng/ml
Levetiracetam	2.676	71158	139.73	168.3	279.25	2198613	9.9268 ng/ml

p1 QC 10   Generated at 10:31 AM on 5/21/2021

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	179478	1269.41	56.3	211.02	216541	10.2802 ng/ml
MDA	3.189	295281	1472.65	24.8	174.94	745114	9.8816 ng/ml
MDMA	3.283	180871	2285.44	73.6	946.20	167710	9.7334 ng/ml
Meprobamate	4.917	89667	9172.64	28.4	2309.47	412892	10.3103 ng/ml
Methadone	5.646	184613	2769.81	49.8	1706.51	895065	9.5333 ng/ml
Methamphetamine	3.224	327570	985.71	38.3	3770.36	1235208	10.1882 ng/ml
Metoprolol	4.319	44785	9671.22	89.5	1044.75	2075123	10.1482 ng/ml
Mirtazapine	4.637	213780	2324.18	51.0	978.53	1040760	9.8352 ng/ml
Mitragynine	5.244	31480	878.33	39.5	18337.49	895065	10.3594 ng/ml
Morphine	1.240	10950	205.80	31.4	277.80	12042	9.4731 ng/ml
Norbuprenorphine	4.986	456	41.42	98.1	768.46	22532	0.9414 ng/ml
Nordiazepam	5.900	100845	895.94	56.1	416.42	339895	9.9196 ng/ml
Norfentanyl	4.079	40026	283.34	34.5	347.70	1760787	0.9760 ng/ml
Norhydrocodone	3.053	12856	109.15	43.7	51.93	126624	8.9773 ng/ml
Noroxycodone	2.896	99989	538.62	42.0	2661.43	347435	10.0077 ng/ml
O-desmethyl-tramadol	3.362	365065	2638.32	6.8	853.37	2298341	9.4328 ng/ml
Oxazepam	5.756	205117	321.51	71.4	60.89	827645	10.1243 ng/ml
Oxycodone	2.827	176731	2400.79	26.9	851.55	792196	9.7505 ng/ml
Oxymorphone	1.391	90473	∞	41.1	306.02	318387	10.3622 ng/ml
Phentermine	3.777	87444	619.25	4.6	27.18	1034664	10.0998 ng/ml
Promethazine	5.538	81474	155.12	27.0	139.38	325777	10.9349 ng/ml
Pseudoephedrine	2.589	441768	2970.67	16.3	3293.98	2198613	9.4262 ng/ml
Quetiapine	5.562	133654	104.67	59.2	79.02	184072	9.5691 ng/ml
Temazepam	5.816	339446	4076.27	29.7	581.61	1698741	9.8764 ng/ml
Tramadol	4.239	409188	2694.27	3.6	275.59	2075123	10.0286 ng/ml
Trazodone	5.197	110921	3040.19	79.5	3224.04	461811	10.3841 ng/ml
Venlafaxine	5.037	352690	714.21	38.9	1433.60	1852044	9.5854 ng/ml
Zolpidem	4.948	396121	2067.92	31.9	1359.91	2032689	9.6418 ng/ml

Generated at 10:31 AM on 5/21/2021

AM #28 Multi-Drug Quant. Results

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin
Calibration Last Update   5/21/2021 10:30:52 AM

Instrument	Falco (069901)	**Data File**	p1 QC 100.d
Type	QC	**Sample**	p1 QC 100
Acq. Method	AM 28 MDQ P1.m	**Operator**	Celena Shrum
Sample Position	P2-B6	**Comment**	
Injection Volume	2		
Acq. Date-Time	5/13/2021 6:40:22 AM		
Sample Info.			

Sample reinjected. Refer to reinject data.

Sample Chromatogram

+ TIC MRM (** -> **) p1 QC 100.d (p1 QC 100)
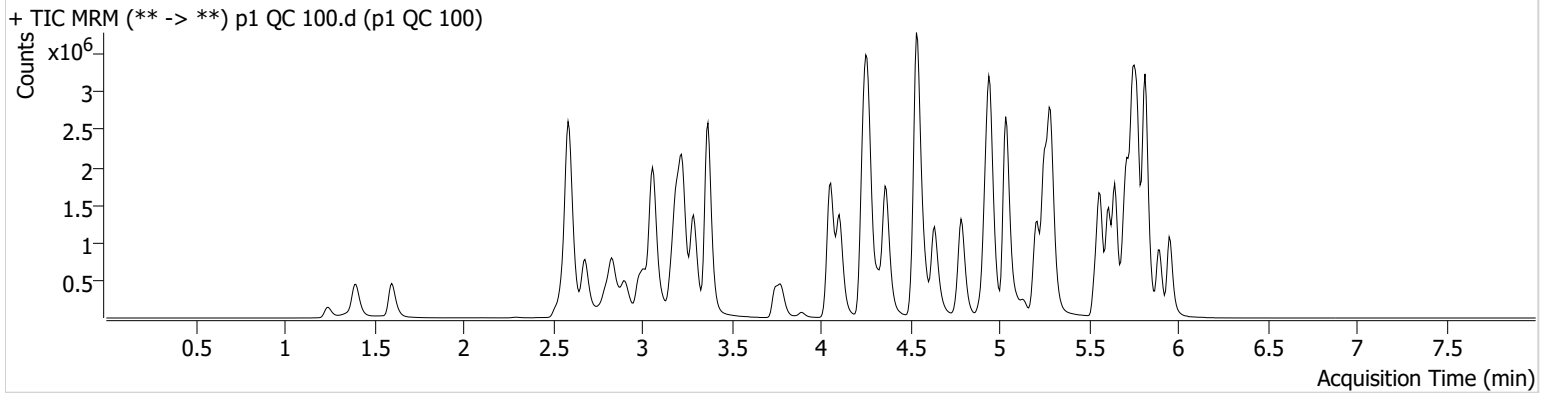
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	49826	1184.08	70.8	517.79	121773	10.3099 ng/ml
7-aminoclonazepam	4.271	628686	7453.26	78.8	14135.99	213020	101.5819 ng/ml
a-hydroxyalprazolam	5.692	481321	966.54	56.8	354.47	580450	95.9899 ng/ml
alpha-PHP	4.937	585148	303.80	264.7	5694.22	1034484	96.9549 ng/ml
alpha-PVP	4.370	2395201	724.75	53.1	2908.62	1034484	102.7593 ng/ml
Alprazolam	5.775	1671620	2183.46	114.4	3897.52	580450	100.8470 ng/ml
Amphetamine	3.063	3906163	6763.85	49.3	35062.17	436376	100.6261 ng/ml
Benzoylecgonine	3.892	72886	3415.10	7.4	309.48	26120	106.0661 ng/ml
Buprenorphine	5.907	32996	1294.08	14.8	11169.65	119250	10.5327 ng/ml
Bupropion	4.788	1962841	1442.26	60.8	41809.79	688893	103.2267 ng/ml
Carisoprodol	5.724	1436387	95075.36	55.6	542.44	699404	96.4867 ng/ml
Citalopram	5.212	1083743	7443.11	42.9	436.14	487020	99.8768 ng/ml
Clonazepam	5.612	1865877	1405.28	31.8	∞	218940	108.5630 ng/ml
Clonazolam	5.555	1266752	169125.42	37.5	890912.65	218940	108.6196 ng/ml
Cocaine	4.257	2015478	19572.06	51.0	1992.25	1792897	102.0970 ng/ml
Codeine	2.573	225184	683.24	102.7	1087.27	117628	103.5915 ng/ml
Cyclobenzaprine	5.615	268564	349.45	9.2	85.87	109938	96.0777 ng/ml
Dextromethorphan	5.262	523335	14178.27	78.8	7370.75	237179	103.6874 ng/ml
Dextrorphan	4.105	722167	694.82	205.5	2153.08	832708	100.9867 ng/ml
Diazepam	5.960	999911	5393.87	88.5	506.23	457155	101.2489 ng/ml
Dihydrocodeine	2.552	626062	2436.73	64.8	1228.91	368664	108.5413 ng/ml
Diphenhydramine	5.289	2892056	24729.65	33.0	23337.03	1712254	98.5470 ng/ml
Doxylamine	4.536	5323549	84899.29	97.2	55320.09	2195464	108.1338 ng/ml
EDDP	5.254	2119926	732.51	42.4	415.81	1063521	98.7583 ng/ml
Etizolam	5.813	974575	11538.32	26.1	473918.36	218940	95.3941 ng/ml
Fentanyl	5.109	50192	1512.36	71.5	969.92	249273	9.5412 ng/ml
Flualprazolam	5.705	777523	24282.77	97.5	24151.74	580450	107.2138 ng/ml
Fluoxetine	5.700	176189	∞	8.4	281.70	71783	105.2295 ng/ml
Hydrocodone	3.012	902735	∞	39.0	1516.48	1081556	107.8550 ng/ml
Hydromorphone	1.601	815116	5723.97	77.1	4898.28	13368	99.7671 ng/ml
Ketamine	4.051	1830025	1063.81	37.1	1110.91	857082	102.8178 ng/ml
Lamotrigine	4.280	152161	4672.65	81.4	2589.51	857082	98.2749 ng/ml
Levetiracetam	2.683	749650	7095.01	164.9	2877.60	2155457	102.7231 ng/ml

AM #28 Multi-Drug Quant. Results

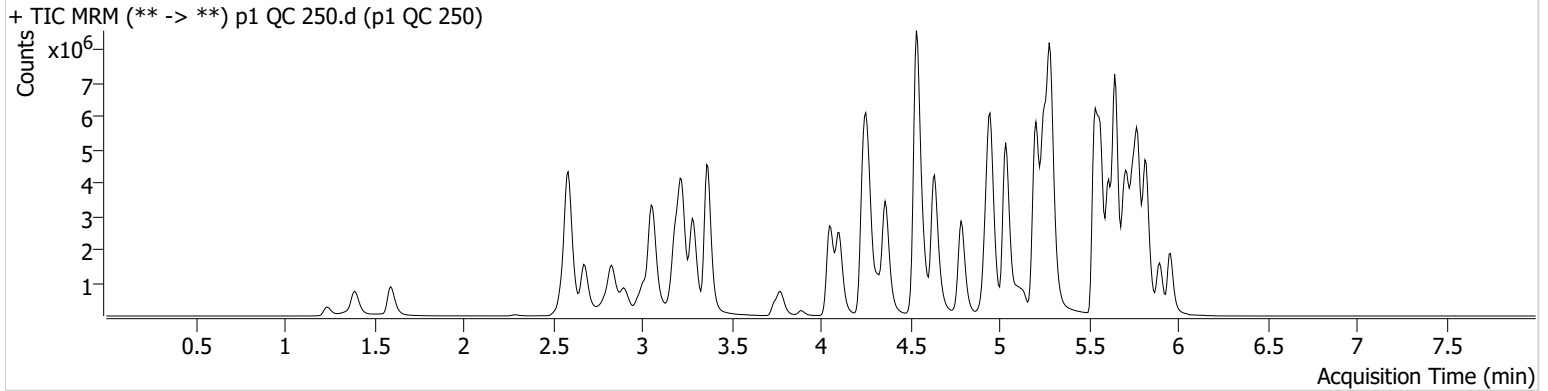| Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	1345569	6103.48	57.1	1158.77	218940	83.1609 ng/ml
MDA	3.196	2609107	6099.74	23.9	2234.91	689284	105.3978 ng/ml
MDMA	3.290	1886357	4941.56	76.6	11642.38	171674	99.8466 ng/ml
Meprobamate	4.917	831949	26382.82	27.6	14457.34	420043	96.6199 ng/ml
Methadone	5.646	1811464	45145.02	47.0	10993.70	803187	101.4510 ng/ml
Methamphetamine	3.231	3365578	33510.23	37.7	21238.69	1290680	111.6854 ng/ml
Metoprolol	4.326	483439	1623.74	91.5	3568.00	2213070	105.6550 ng/ml
Mirtazapine	4.637	2039908	10115.12	49.4	10161.10	1034484	84.8541 ng/ml
Mitragynine	5.244	243693	830.61	39.4	704.69	803187	87.1710 ng/ml
Morphine	1.247	122214	686.41	31.0	446.75	13368	98.6068 ng/ml
Norbuprenorphine	4.986	4196	83.61	93.9	4751.27	19051	10.0954 ng/ml
Nordiazepam	5.900	1004538	16505.56	56.7	4208.32	336726	101.5035 ng/ml
Norfentanyl	4.079	429778	2511.87	34.2	4074.26	1755817	9.9811 ng/ml
Norhydrocodone	3.060	120350	180.55	40.6	139.06	108152	92.2171 ng/ml
Noroxycodone	2.903	965727	1600.78	42.1	13967.73	322361	104.4409 ng/ml
O-desmethyl-tramadol	3.369	4162065	90591.67	6.7	9520.49	2426090	100.3586 ng/ml
Oxazepam	5.749	1773109	12725.72	73.6	4433.16	694189	107.9530 ng/ml
Oxycodone	2.827	1969779	775.28	27.1	2199.19	835645	104.8610 ng/ml
Oxymorphone	1.398	900646	∞	42.0	588.02	321693	102.1963 ng/ml
Phentermine	3.783	897067	1819.51	4.4	218.15	1058008	108.6533 ng/ml
Promethazine	5.538	621962	338.07	28.4	8689.48	267622	99.5300 ng/ml
Pseudoephedrine	2.596	4722452	74224.33	16.2	32267.49	2155457	98.5346 ng/ml
Quetiapine	5.562	1371304	51001.99	57.9	1242841.30	178063	97.4335 ng/ml
Sertraline	5.776	71197	98.89	98.4	5646.52	31272	108.2947 ng/ml
Temazepam	5.816	3379375	3550.77	28.4	512.47	1539626	105.1759 ng/ml
Tramadol	4.246	4465218	257526.01	3.6	2727.06	2213070	105.8410 ng/ml
Trazodone	5.197	971641	36041.38	79.9	130967.87	403630	110.8000 ng/ml
Venlafaxine	5.037	3872221	61093.55	38.3	14055.43	1875102	100.9493 ng/ml
Zolpidem	4.948	4384194	10014.06	30.5	27925.94	2081181	105.0908 ng/ml

Generated at 10:31 AM on 5/21/2021

AM #28 Multi-Drug Quant. Results

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin
Calibration Last Update   5/21/2021 10:30:52 AM

Instrument	Falco (069901)	**Data File**	p1 QC 250.d
Type	QC	**Sample**	p1 QC 250
Acq. Method	AM 28 MDQ P1.m	**Operator**	Celena Shrum
Sample Position	P2-C6	**Comment**	
Injection Volume	2		
Acq. Date-Time	5/12/2021 11:35:42 PM		
Sample Info.			

Sample reinjected. Refer to reinject data.

Sample Chromatogram

+ TIC MRM (** -> **) p1 QC 250.d (p1 QC 250)

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	113043	1674.63	70.6	3887.96	115034	24.8176 ng/ml
7-aminoclonazepam	4.271	1139529	639.89	81.2	8879.72	163768	238.6630 ng/ml
a-hydroxyalprazolam	5.692	634658	5186.58	57.6	1931.56	411556	178.9493 ng/ml
alpha-PHP	4.937	1326339	36681.70	271.6	104736.25	941975	241.3591 ng/ml
alpha-PVP	4.363	5435505	4092.58	51.8	48127.29	941975	255.9373 ng/ml
Alprazolam	5.775	2960473	6216.11	111.2	∞	411556	251.4421 ng/ml
Amphetamine	3.063	6943083	7394.39	48.1	3834.19	351036	223.7557 ng/ml
Benzoylecgonine	3.892	166660	1397.38	7.4	80.90	25966	244.1700 ng/ml
Buprenorphine	5.907	157713	21840.53	13.9	67633.57	241229	24.9581 ng/ml
Bupropion	4.788	4618244	229986.37	59.8	563.26	662612	252.5309 ng/ml
Carisoprodol	5.724	2150415	49896.53	56.5	1334.65	414558	242.8155 ng/ml
Citalopram	5.212	4089095	1789.44	41.0	897.34	728771	251.2777 ng/ml
Clonazepam	5.612	2604076	127545.49	31.4	92804.56	139344	239.0457 ng/ml
Clonazolam	5.548	1901800	154929.41	37.2	3777.31	139344	257.0535 ng/ml
Cocaine	4.257	4379878	3436.95	49.6	864.86	1565436	253.6767 ng/ml
Codeine	2.573	414155	2368.89	98.7	10910.38	96119	234.4050 ng/ml
Cyclobenzaprine	5.615	4118853	1443.60	9.2	26286.02	636556	253.8303 ng/ml
Dextromethorphan	5.262	2374837	51618.25	79.4	546.31	440854	252.9349 ng/ml
Dextrorphan	4.105	1659166	5186.44	205.3	62476.52	784865	245.6247 ng/ml
Diazepam	5.960	2069353	1163.45	87.1	830.17	390826	245.1370 ng/ml
Dihydrocodeine	2.552	1260996	754.13	66.4	2922.95	340736	237.2964 ng/ml
Diphenhydramine	5.289	10989927	1282.17	32.1	70958.82	2559502	250.0992 ng/ml
Doxylamine	4.536	12988600	158448.98	97.2	154329.11	2173202	266.5217 ng/ml
EDDP	5.254	5453535	5119.53	41.9	79204.07	1105890	243.8732 ng/ml
Etizolam	5.813	1931718	35349.34	25.9	20112.99	139344	296.3998 ng/ml
Fentanyl	5.109	487788	495.65	68.7	957273.14	943891	24.4517 ng/ml
Flualprazolam	5.705	1300197	14357.87	99.3	79480.60	411556	253.1516 ng/ml
Fluoxetine	5.700	3576936	102587.08	8.6	∞	614562	249.8593 ng/ml
Hydrocodone	3.012	1837102	637.45	40.4	661.08	980510	243.0993 ng/ml
Hydromorphone	1.595	1657490	16801.75	76.3	9693.57	11013	247.0604 ng/ml
Ketamine	4.051	3908653	32534.98	37.2	26892.50	771520	244.5214 ng/ml
Lamotrigine	4.280	298605	3784.63	80.5	4319.20	771520	214.7700 ng/ml
Levetiracetam	2.676	1536266	10439.45	166.5	1110.34	1775094	255.0166 ng/ml

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	1641933	17600.64	56.1	3951.97	139344	160.4346 ng/ml
MDA	3.189	4672686	8374.52	22.9	2344.97	543807	240.8899 ng/ml
MDMA	3.290	4366203	35225.36	74.7	7608.21	158083	251.0876 ng/ml
Meprobamate	4.917	1293990	181832.84	28.2	45302.52	339684	186.1260 ng/ml
Methadone	5.646	9475583	3472.82	46.0	87873.53	1598412	266.2041 ng/ml
Methamphetamine	3.224	7256615	3046.21	36.1	29452.37	1236596	252.9691 ng/ml
Metoprolol	4.319	1028008	13790.00	92.3	1466.97	1936308	257.2429 ng/ml
Mirtazapine	4.637	7679402	17185.64	50.3	105847.88	941975	347.3261 ng/ml
Mitragynine	5.237	1530933	2843.20	39.6	2700.96	1598412	274.5563 ng/ml
Morphine	1.240	249470	1721.58	33.7	398.23	11013	244.8676 ng/ml
Norbuprenorphine	4.986	17166	276.09	91.3	42695.24	33154	23.7149 ng/ml
Nordiazepam	5.900	1992766	3864.31	56.2	14622.90	271886	249.6624 ng/ml
Norfentanyl	4.079	870157	29539.87	34.0	2100.59	1427435	24.7766 ng/ml
Norhydrocodone	3.053	224000	204.42	42.5	186.77	78700	234.9044 ng/ml
Noroxycodone	2.903	1778926	1276.89	41.3	1405.27	249328	248.7791 ng/ml
O-desmethyl-tramadol	3.369	9364805	1960.71	6.5	8888.69	2192201	249.6713 ng/ml
Oxazepam	5.749	2311829	9026.89	71.2	14896.63	394666	248.0744 ng/ml
Oxycodone	2.827	4311264	3045.68	26.3	4120.18	770052	249.3233 ng/ml
Oxymorphone	1.391	1794942	1467.48	41.8	∞	259352	252.6467 ng/ml
Phentermine	3.776	1841489	2656.80	4.1	489.84	1021226	231.9902 ng/ml
Promethazine	5.538	9792155	3526.60	27.1	2748.58	1602334	261.3111 ng/ml
Pseudoephedrine	2.589	9674841	94705.86	15.9	115024.33	1775094	244.4844 ng/ml
Quetiapine	5.562	5424501	56125.36	58.3	126240.23	263459	259.7857 ng/ml
Sertraline	5.776	1835613	606.15	98.5	49910.97	361006	241.9235 ng/ml
Temazepam	5.823	5487976	22006.67	28.2	551.03	1011329	259.5367 ng/ml
Tramadol	4.239	9842494	6319.02	3.4	∞	1936308	267.1783 ng/ml
Trazodone	5.196	5877944	127133.54	80.4	1082.28	1097077	247.5211 ng/ml
Venlafaxine	5.037	9069558	644126.15	37.8	48531.05	1754659	252.2172 ng/ml
Zolpidem	4.948	9678387	8589.52	30.0	6569.43	1889539	255.6503 ng/ml

Generated at 10:31 AM on 5/21/2021

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin
Calibration Last Update 5/21/2021 10:30:52 AM

Instrument	Falco (069901)	**Data File**	p1 QC 1000.d
Type	QC	**Sample**	p1 QC 1000
Acq. Method	AM 28 MDQ P1.m	**Operator**	Celena Shrum
Sample Position	P2-D6	**Comment**	
Injection Volume	2		
Acq. Date-Time	5/12/2021 11:56:55 PM		Sample reinjected. Refer to reinject data.
Sample Info.			

Sample Chromatogram

+ TIC MRM (** -> **) p1 QC 1000.d (p1 QC 1000)
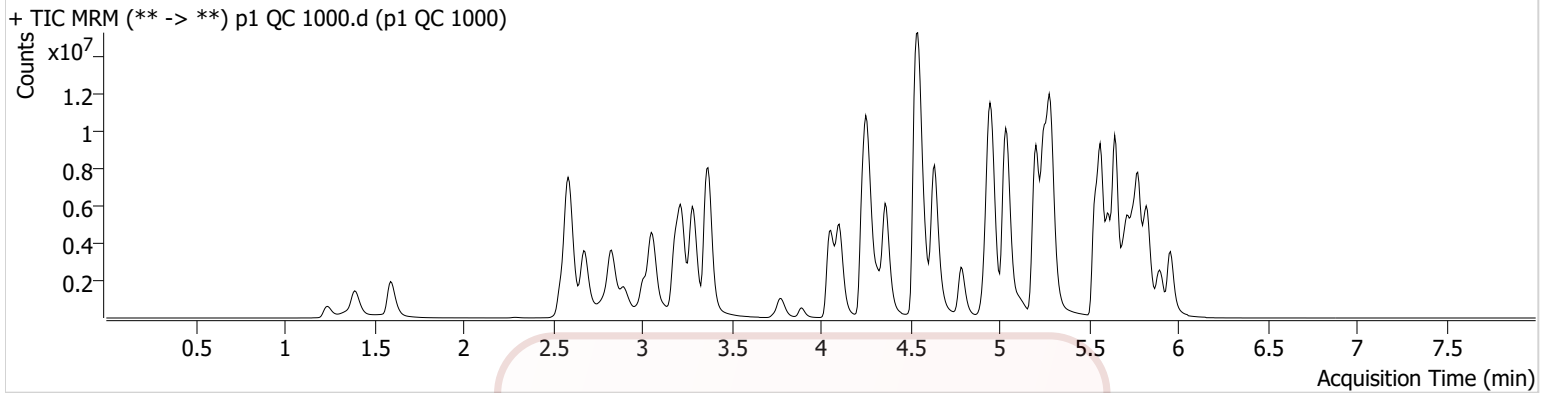
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	347267	2277.83	70.0	3448.15	85249	103.0031 ng/ml
7-aminoclonazepam	4.278	1968955	4160.81	80.0	9045.10	64323	1047.8434 ng/ml
a-hydroxyalprazolam	5.685	991900	138.78	59.1	692.15	233364	494.1275 ng/ml
alpha-PHP	4.930	2268335	10430.57	276.5	65840.86	447715	868.4898 ng/ml
alpha-PVP	4.363	10070085	4653.38	52.5	∞	447715	997.3104 ng/ml
Alprazolam	5.775	6609421	2563.14	114.4	1103.52	233364	989.1077 ng/ml
Amphetamine	3.063	9399534	58871.74	48.1	8888.34	139411	765.5677 ng/ml
Benzoylecgonine	3.892	611957	6701.11	7.6	710.44	21940	1061.6109 ng/ml
Buprenorphine	5.907	222273	808.43	14.1	80092.26	83529	101.7431 ng/ml
Bupropion	4.788	4368137	191770.24	59.9	19502.16	168815	937.5646 ng/ml
Carisoprodol	5.730	3839086	83298.31	55.5	20244.23	166384	1078.0781 ng/ml
Citalopram	5.212	6299054	3639.74	41.2	∞	279210	1009.2171 ng/ml
Clonazepam	5.612	5211413	33329.65	31.1	40225.41	73829	905.1991 ng/ml
Clonazolam	5.548	3518250	24254.18	37.7	5522.24	73829	899.0468 ng/ml
Cocaine	4.257	10110198	1900.72	49.2	86963.07	877964	1043.1867 ng/ml
Codeine	2.566	813272	2377.54	99.7	9810.86	61283	724.0162 ng/ml
Cyclobenzaprine	5.615	4281691	16239.99	8.9	1511.35	164984	1016.8707 ng/ml
Dextromethorphan	5.262	3053434	90474.87	79.8	563.84	141557	1012.3788 ng/ml
Dextrorphan	4.105	3908691	2019.12	210.3	10716.69	440330	1030.2208 ng/ml
Diazepam	5.960	4720323	15526.64	88.0	288.63	223638	977.2776 ng/ml
Dihydrocodeine	2.545	3041672	3339.25	67.6	962.23	270036	723.5592 ng/ml
Diphenhydramine	5.289	17736369	983.66	33.9	1070.97	1041247	991.3536 ng/ml
Doxylamine	4.543	29283985	254886.78	97.8	1110068.77	1481266	881.5763 ng/ml
EDDP	5.254	13014564	140544.68	40.9	665.33	630996	1019.0295 ng/ml
Etizolam	5.813	4435350	7161.79	25.3	19426.05	73829	1283.3802 ng/ml
Fentanyl	5.116	643491	10492.25	69.8	3121167.91	311760	97.5923 ng/ml
Flualprazolam	5.705	2631644	3975.16	103.0	100901.23	233364	904.1831 ng/ml
Fluoxetine	5.700	2153815	23469.72	8.7	2639.58	99751	927.5647 ng/ml
Hydrocodone	3.012	4714906	705.57	39.4	1354.00	692184	885.8980 ng/ml
Hydromorphone	1.595	4084078	22784.31	77.2	1911308.00	7676	874.8735 ng/ml
Ketamine	4.051	8550608	123214.61	36.2	2050.66	439175	940.8829 ng/ml
Lamotrigine	4.280	542373	2484.58	79.9	986.64	439175	686.2796 ng/ml
Levetiracetam	2.676	3770107	30245.59	167.3	83651.10	887351	1250.3504 ng/ml

p1 QC 1000

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	1861168	57943.35	56.9	977.69	73829	344.4644 ng/ml
MDA	3.189	8269566	24818.50	22.6	2225.62	276505	841.6418 ng/ml
MDMA	3.283	10251102	275108.03	71.6	5441.07	92049	1012.6346 ng/ml
Meprobamate	4.911	2162022	32414.50	28.7	43207.05	225686	468.5490 ng/ml
Methadone	5.646	13898903	124936.10	47.9	37055.28	608575	1024.7656 ng/ml
Methamphetamine	3.224	10142928	∞	36.2	4595.27	522201	840.3201 ng/ml
Metoprolol	4.326	2300864	7780.30	90.9	7104.99	1244836	896.3701 ng/ml
Mirtazapine	4.637	15010556	309411.15	50.3	161313.43	447715	1424.9222 ng/ml
Mitragynine	5.237	1599001	6059.10	40.2	946.64	608575	752.6780 ng/ml
Morphine	1.240	668785	19045.53	33.6	9626.08	7676	942.9520 ng/ml
Norbuprenorphine	4.986	24887	323741.72	95.3	164459.40	11590	98.3074 ng/ml
Nordiazepam	5.900	3797576	1566.22	56.2	4536.60	136117	950.8875 ng/ml
Norfentanyl	4.079	2132100	∞	33.9	1123.27	817763	105.7923 ng/ml
Norhydrocodone	3.053	605396	330.02	40.1	∞	47502	1049.6774 ng/ml
Noroxycodone	2.896	3516912	345.07	42.0	13493.99	123813	990.5068 ng/ml
O-desmethyl-tramadol	3.369	22492745	107174.17	7.1	1492.41	1393892	942.6815 ng/ml
Oxazepam	5.749	2579286	19843.84	73.4	3983.52	117058	934.2244 ng/ml
Oxycodone	2.827	11797524	7317.89	26.2	1232.10	545122	964.3248 ng/ml
Oxymorphone	1.391	4454309	964.29	41.6	820.50	170553	953.4266 ng/ml
Phentermine	3.783	3150096	∞	4.0	1521.62	524838	774.0737 ng/ml
Promethazine	5.532	10512058	4366.10	27.0	4549.73	434114	1034.6751 ng/ml
Pseudoephedrine	2.589	20923629	93841.34	15.9	140524.09	887351	1056.2919 ng/ml
Quetiapine	5.569	10574863	237116.21	58.9	102040.64	130836	1018.5635 ng/ml
Sertraline	5.769	1134028	3757.99	99.7	5560.11	56163	960.8468 ng/ml
Temazepam	5.830	7966052	21410.24	29.1	5263.39	362125	1051.1031 ng/ml
Tramadol	4.239	20519318	1112.14	3.8	778.72	1244836	867.1892 ng/ml
Trazodone	5.196	10188386	1070.79	80.6	130916.84	513681	918.3106 ng/ml
Venlafaxine	5.037	21633028	232711.82	40.1	1325.82	1061586	993.4644 ng/ml
Zolpidem	4.957	22933121	437310.64	33.0	10019.14	1298881	881.4533 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin
Calibration Last Update   5/21/2021 10:30:52 AM

Instrument	Falco (069901)	**Data File**	p1 Negative Bloodr.d
Type	Sample	**Sample**	p1 Negative Bloodr
Acq. Method	AM 28 MDQ P1.m	**Operator**	Celena Shrum
Sample Position	P2-F6	**Comment**	
Injection Volume	2		
Acq. Date-Time	5/13/2021 4:49:31 PM		
Sample Info.			

Sample Chromatogram

+ TIC MRM (** -> **) p1 Negative Bloodr.d (p1 Negative Bloodr)
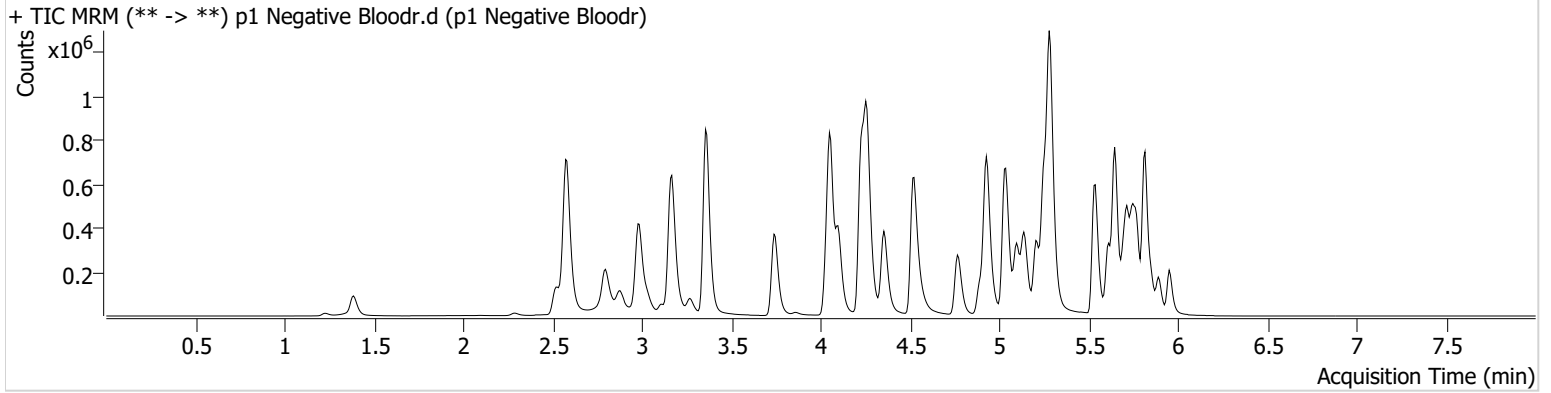
AM #28 Multi-Drug Quant. Results

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin
Calibration Last Update   5/21/2021 10:30:52 AM

Instrument	Falco (069901)	**Data File**	p1 QC 10r.d
Type	QC	**Sample**	p1 QC 10r
Acq. Method	AM 28 MDQ P1.m	**Operator**	Celena Shrum
Sample Position	P2-A6	**Comment**	
Injection Volume	2		
Acq. Date-Time	5/13/2021 3:45:32 PM		
Sample Info.			

Sample Chromatogram

+ TIC MRM (** -> **) p1 QC 10r.d (p1 QC 10r)
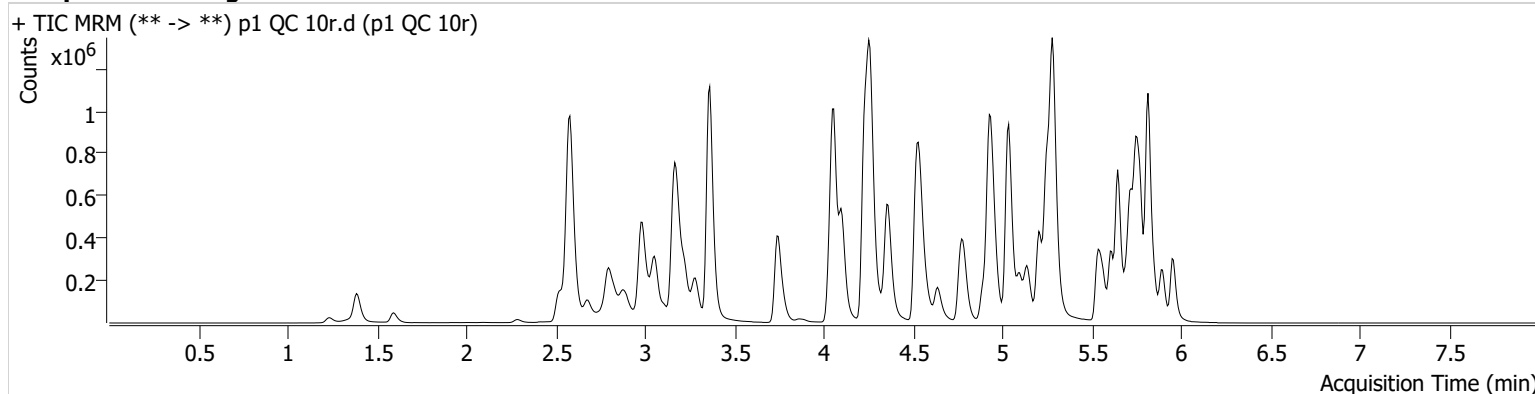
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	4769	249.75	72.8	8418.74	112604	1.0310 ng/ml
7-aminoclonazepam	4.271	58138	2176.37	80.0	858.38	227710	9.3489 ng/ml
a-hydroxyalprazolam	5.699	55006	684.42	57.3	1155.68	578494	10.5563 ng/ml
alpha-PHP	4.937	66910	594.22	277.8	2779.56	1139613	10.0567 ng/ml
alpha-PVP	4.370	251744	600.06	52.4	272.53	1139613	9.9005 ng/ml
Alprazolam	5.775	157098	2251.79	115.0	949.42	578494	9.7844 ng/ml
Amphetamine	3.056	483973	3054.88	48.7	2126.22	453694	10.9623 ng/ml
Benzoylecgonine	3.886	6840	245.27	6.6	2509.14	26004	9.8538 ng/ml
Buprenorphine	5.914	4830	11148.05	15.9	1432.06	201108	0.8666 ng/ml
Bupropion	4.788	244697	301.08	58.7	2497.08	880287	10.0568 ng/ml
Carisoprodol	5.724	152258	140312.35	55.7	420.42	812679	9.3306 ng/ml
Citalopram	5.212	140167	223.17	41.5	300.28	666207	9.7765 ng/ml
Clonazepam	5.612	190844	2108.03	30.7	1069.14	218265	10.3982 ng/ml
Clonazolam	5.549	121352	256680.40	36.0	77603.76	218265	9.8855 ng/ml
Cocaine	4.257	207447	240988.63	51.0	324.07	1951888	9.9144 ng/ml
Codeine	2.573	24038	14.92	105.9	58057.69	118558	10.0809 ng/ml
Cyclobenzaprine	5.615	39305	900.97	10.3	63.71	163947	9.7874 ng/ml
Dextromethorphan	5.255	76238	21505.32	81.3	4730.60	376178	9.6530 ng/ml
Dextrorphan	4.105	70046	133289.39	208.7	1623.82	857625	9.8467 ng/ml
Diazepam	5.960	99031	1574.88	87.6	292.92	462581	9.8866 ng/ml
Dihydrocodeine	2.552	60801	277.41	67.4	436.45	347859	10.5959 ng/ml
Diphenhydramine	5.289	371336	329.11	32.7	559.43	2378373	9.3576 ng/ml
Doxylamine	4.543	481331	14573.46	98.9	2440.67	2198108	9.7713 ng/ml
EDDP	5.254	214251	9438.47	42.1	72357.51	1146206	9.5378 ng/ml
Etizolam	5.820	95957	2116.23	25.6	32513.79	218265	9.7156 ng/ml
Fentanyl	5.109	9006	343.02	68.2	8686.79	466152	0.9362 ng/ml
Flualprazolam	5.705	73175	1754.62	93.0	2746.45	578494	9.9311 ng/ml
Fluoxetine	5.707	27475	8353.21	9.2	748.56	123359	9.3329 ng/ml
Hydrocodone	3.012	85051	173.89	40.3	295.43	1052866	9.7195 ng/ml
Hydromorphone	1.595	79387	2688.21	76.9	972.54	11677	10.6315 ng/ml
Ketamine	4.051	184957	175.31	37.1	585.50	863221	9.9481 ng/ml
Lamotrigine	4.273	15790	267.85	78.8	429.06	863221	9.7270 ng/ml
~~Levetiracetam~~	~~2.683~~	~~75246~~	~~809.99~~	~~168.2~~	~~898.21~~	~~2395969~~	~~9.6443 ng/ml~~*

p1 QC 10r

*Not evaluated

Generated at 10:31 AM on 5/21/2021

AM #28 Multi-Drug Quant. Results

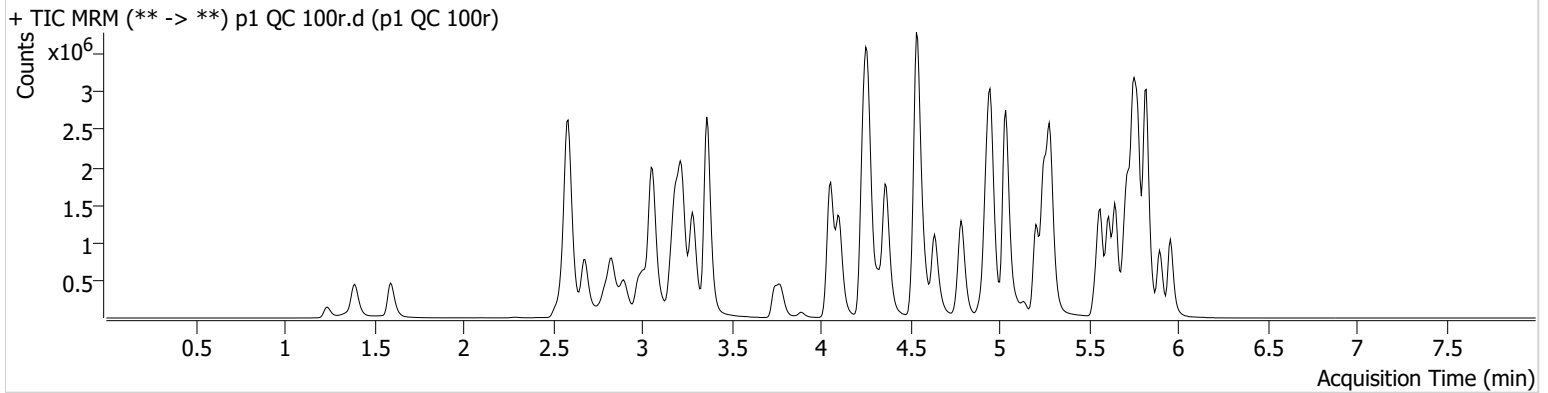| Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	187035	895.25	55.9	168.60	218265	10.6651 ng/ml
MDA	3.189	321605	1514.27	23.2	153.55	764975	10.5615 ng/ml
MDMA	3.283	207900	9690.73	70.2	1430.41	181882	10.3206 ng/ml
Meprobamate	4.917	87743	2380.82	28.5	87.42	412745	10.0859 ng/ml
Methadone	5.646	246584	2021.80	47.3	2726.38	1158874	9.8259 ng/ml
Methamphetamine	3.224	360018	1607.23	37.3	523.67	1323798	10.4813 ng/ml
Metoprolol	4.326	49001	5754.80	91.1	880.44	2262549	10.1849 ng/ml
Mirtazapine	4.637	249863	3816.87	53.2	2985.66	1139613	10.4231 ng/ml
Mitragynine	5.244	39654	79248.36	39.1	23800.32	1158874	10.0865 ng/ml
Morphine	1.240	11231	200.54	36.1	126.66	11677	10.0407 ng/ml
Norbuprenorphine	4.986	578	1312.61	102.4	2107.46	27203	0.9865 ng/ml
Nordiazepam	5.900	100218	1905.04	56.6	487.27	338456	9.8994 ng/ml
Norfentanyl	4.079	43775	3968.68	34.6	196.38	1915815	0.9808 ng/ml
Norhydrocodone	3.053	13737	91.44	39.7	176.01	128382	9.4272 ng/ml
Noroxycodone	2.896	103952	533.68	41.6	444.29	360921	10.0156 ng/ml
O-desmethyl-tramadol	3.362	404995	7062.49	6.8	1736.38	2482258	9.6850 ng/ml
Oxazepam	5.756	206975	1309.61	73.1	94.04	847762	9.9678 ng/ml
Oxycodone	2.827	186482	751.42	25.4	517.61	830796	9.8117 ng/ml
Oxymorphone	1.391	89543	498.47	42.7	412.20	325241	10.0392 ng/ml
Phentermine	3.776	95965	763.90	4.0	59.57	1138237	10.0734 ng/ml
Promethazine	5.538	96362	1086.34	27.4	371.58	434768	9.7194 ng/ml
Pseudoephedrine	2.589	474775	362.23	16.4	167.87	2395969	9.3019 ng/ml
Quetiapine	5.569	160082	545868.26	57.7	271121.02	220937	9.5497 ng/ml
Sertraline	5.776	8077	54.85	100.4	221.84	40080	9.5378 ng/ml
Temazepam	5.823	345190	3182.94	31.0	195.59	1743970	9.7862 ng/ml
Tramadol	4.246	453724	2729.47	3.6	66.90	2262549	10.2049 ng/ml
Trazodone	5.203	143729	416.46	78.8	338472.17	619071	10.0126 ng/ml
Venlafaxine	5.037	385034	721.88	38.9	390.14	1977736	9.7926 ng/ml
Zolpidem	4.955	414933	230050.61	32.3	1205.74	2132421	9.6272 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin
Calibration Last Update   5/21/2021 10:30:52 AM

Instrument	Falco (069901)	**Data File**	p1 QC 100r.d
Type	QC	**Sample**	p1 QC 100r
Acq. Method	AM 28 MDQ P1.m	**Operator**	Celena Shrum
Sample Position	P2-B6	**Comment**	
Injection Volume	2		
Acq. Date-Time	5/13/2021 8:22:00 PM		
Sample Info.			

Sample Chromatogram

+ TIC MRM (** -> **) p1 QC 100r.d (p1 QC 100r)

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	48398	1079.44	71.5	425.58	115416	10.5670 ng/ml
7-aminoclonazepam	4.271	616559	9225.67	79.3	4343.80	214689	98.8645 ng/ml
a-hydroxyalprazolam	5.699	471513	2579.31	56.8	351.17	543115	100.5218 ng/ml
alpha-PHP	4.937	590435	13344.90	269.9	77751.84	1047265	96.6370 ng/ml
alpha-PVP	4.370	2461831	1616.75	51.5	1260.67	1047265	104.3273 ng/ml
Alprazolam	5.775	1635923	1577.68	115.5	∞	543115	105.4638 ng/ml
Amphetamine	3.063	3973766	2502.29	48.6	2038.81	404681	110.4985 ng/ml
Benzoylecgonine	3.892	73941	370.70	7.3	212.41	28094	100.0325 ng/ml
Buprenorphine	5.914	30017	888.81	15.5	11403.36	111918	10.2077 ng/ml
Bupropion	4.788	1934355	1907.41	60.5	13517.09	674682	103.8714 ng/ml
Carisoprodol	5.730	1351100	14925.41	55.9	7524.84	650791	97.5308 ng/ml
Citalopram	5.212	973781	1055.70	42.6	573.86	449246	97.2981 ng/ml
Clonazepam	5.612	1833732	215007.67	30.8	13701.00	200435	116.6036 ng/ml
Clonazolam	5.548	1225363	206681.09	36.4	19431.54	200435	114.8057 ng/ml
Cocaine	4.257	2122296	3447.15	49.8	25660.73	1839912	104.7534 ng/ml
Codeine	2.573	224841	805.98	99.4	231.51	111710	108.9646 ng/ml
Cyclobenzaprine	5.615	160160	448.58	9.7	200.64	66377	94.9038 ng/ml
Dextromethorphan	5.262	428826	646.02	82.8	290.61	200902	100.3089 ng/ml
Dextrorphan	4.105	701370	2235.41	200.2	2192.59	805623	101.3746 ng/ml
Diazepam	5.960	983451	6600.05	85.7	2281.09	440176	103.4238 ng/ml
Dihydrocodeine	2.552	607039	1326.27	66.5	5089.38	362882	106.9107 ng/ml
Diphenhydramine	5.289	2647368	62342.29	32.6	17817.88	1591814	97.0388 ng/ml
Doxylamine	4.543	5229665	247460.87	97.7	157245.25	2200752	105.9717 ng/ml
EDDP	5.254	2036893	391.50	42.1	321.58	1024583	98.4972 ng/ml
Etizolam	5.820	957565	5339.16	26.5	473282.80	200435	102.3586 ng/ml
Fentanyl	5.109	39326	747.27	70.4	82514.09	194278	9.5917 ng/ml
Flualprazolam	5.705	719453	818.16	98.5	5138.27	543115	106.0237 ng/ml
Fluoxetine	5.707	83062	345.58	8.7	210.46	36588	97.3130 ng/ml
Hydrocodone	3.012	875307	968.55	39.6	740.24	1054689	107.2375 ng/ml
Hydromorphone	1.595	814235	9585015.94	76.9	6606.53	12235	108.9406 ng/ml
Ketamine	4.051	1818179	64474.22	37.6	2895.68	848291	103.2125 ng/ml
Lamotrigine	4.273	147475	3870.19	78.1	2305.03	848291	96.2263 ng/ml
~~Levetiracetam~~	~~2.683~~	~~762468~~	~~4583.18~~	~~165.1~~	~~1558.79~~	~~2206808~~	~~102.0511 ng/ml~~ *

p1 QC 100r

*Not evaluated

AM #28 Multi-Drug Quant. Results

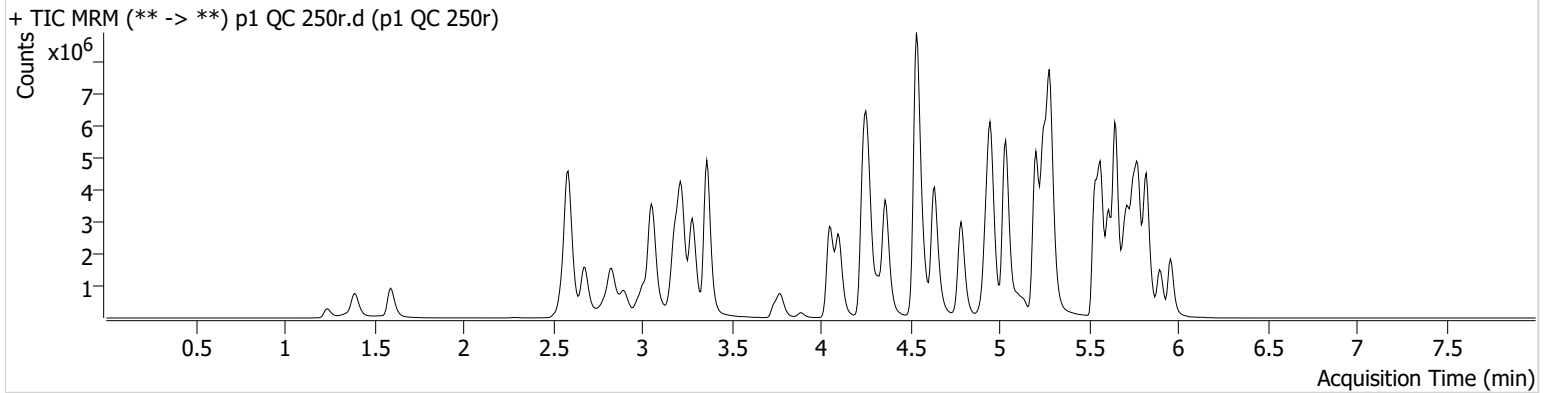| Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	1329458	24432.64	56.5	2215.77	200435	89.8366 ng/ml
MDA	3.189	2623650	7803.10	23.0	2203.42	630027	116.0826 ng/ml
MDMA	3.283	1996589	5780.07	71.2	5321.58	169970	106.7457 ng/ml
Meprobamate	4.917	753555	103702.13	28.4	7832.94	382957	95.9885 ng/ml
Methadone	5.653	1526958	28383.89	48.1	951.38	697217	98.5231 ng/ml
Methamphetamine	3.224	3275057	1580.59	37.6	951.11	1304760	107.4600 ng/ml
Metoprolol	4.326	488874	920025.67	91.3	5731.69	2255947	104.8095 ng/ml
Mirtazapine	4.637	1810940	4143.03	52.0	1394.54	1047265	74.5472 ng/ml
Mitragynine	5.244	199943	2238.15	39.8	1059.99	697217	82.4075 ng/ml
Morphine	1.240	118729	622.30	36.2	521.08	12235	104.6908 ng/ml
Norbuprenorphine	4.986	3450	16887.12	100.2	261.27	16051	9.8522 ng/ml
Nordiazepam	5.900	993495	28328.04	57.0	8151.55	316274	106.8894 ng/ml
Norfentanyl	4.079	436554	1994.17	33.9	408.50	1767569	10.0705 ng/ml
Norhydrocodone	3.053	110310	112.86	40.7	129.91	89778	101.7585 ng/ml
Noroxycodone	2.896	973025	3222.22	41.4	901.74	322106	105.3138 ng/ml
O-desmethyl-tramadol	3.362	4287995	173570.59	6.6	6256802.69	2464528	101.7803 ng/ml
Oxazepam	5.756	1722420	13756.17	72.7	726.40	666540	109.2216 ng/ml
Oxycodone	2.827	1966234	3243.76	27.0	1411.94	824370	106.1062 ng/ml
Oxymorphone	1.391	884971	∞	42.3	∞	304561	106.0670 ng/ml
Phentermine	3.783	891548	1039.93	3.9	276.81	1073619	106.3980 ng/ml
Promethazine	5.538	401810	1529.48	28.2	2443.35	172671	99.6579 ng/ml
Pseudoephedrine	2.589	4829606	45777.12	16.1	55445.00	2206808	98.4260 ng/ml
Quetiapine	5.569	1227157	725.50	57.9	62631.59	156459	99.2232 ng/ml
Sertraline	5.776	24811	145.48	99.0	353.54	12984	90.8834 ng/ml
Temazepam	5.823	3192402	4224.36	29.7	1005.77	1488601	102.7701 ng/ml
Tramadol	4.246	4559946	166377.78	3.6	1786.19	2255947	106.0327 ng/ml
Trazodone	5.203	857390	1226360.55	78.5	712247.81	360065	109.5931 ng/ml
Venlafaxine	5.037	3998936	6117.29	38.0	1330.02	1912604	102.2048 ng/ml
Zolpidem	4.955	4309970	11325.29	31.1	77303.31	2065894	104.0753 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin
Calibration Last Update   5/21/2021 10:30:52 AM

Instrument	Falco (069901)	**Data File**	p1 QC 250r.d
Type	QC	**Sample**	p1 QC 250r
Acq. Method	AM 28 MDQ P1.m	**Operator**	Celena Shrum
Sample Position	P2-C6	**Comment**	
Injection Volume	2		
Acq. Date-Time	5/13/2021 4:06:57 PM		
Sample Info.			

Sample Chromatogram

+ TIC MRM (** -> **) p1 QC 250r.d (p1 QC 250r)

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	118211	1865.29	71.6	1174.39	114477	26.0804 ng/ml
7-aminoclonazepam	4.271	1202126	13011.84	79.5	6441.84	169302	243.5309 ng/ml
a-hydroxyalprazolam	5.692	720972	1296.36	57.0	1080.16	433156	193.1897 ng/ml **
alpha-PHP	4.930	1396691	6423.95	278.5	130857.62	1008759	237.3347 ng/ml
alpha-PVP	4.363	5802508	87168.06	50.8	35806.12	1008759	255.1303 ng/ml
Alprazolam	5.775	3212906	1856.54	110.1	∞	433156	259.2647 ng/ml
Amphetamine	3.056	7472935	54194.07	47.8	29550.52	351780	240.4081 ng/ml
Benzoylecgonine	3.886	169785	21968.60	7.7	445.55	27229	237.2051 ng/ml
Buprenorphine	5.914	141835	6776.25	14.3	78754.44	213447	25.3675 ng/ml
Bupropion	4.788	4879743	68334.70	58.8	4916.74	700459	252.4125 ng/ml
Carisoprodol	5.730	2254934	33317.22	56.2	298.47	427397	246.9587 ng/ml
Citalopram	5.212	3732280	707.16	41.5	1267.28	683493	244.5548 ng/ml
Clonazepam	5.612	2857379	3932.04	31.5	∞	144838	252.3946 ng/ml
Clonazolam	5.548	2032236	261729.97	36.6	690766.54	144838	264.2816 ng/ml
Cocaine	4.257	4669221	123453.89	49.3	3324.32	1647112	257.0211 ng/ml
Codeine	2.573	420762	758.47	100.9	6258.86	98439	232.5231 ng/ml
Cyclobenzaprine	5.615	2534064	64457.79	9.8	593.51	406141	244.7767 ng/ml
Dextromethorphan	5.255	2019240	36326.89	80.8	631.50	387076	244.9454 ng/ml
Dextrorphan	4.105	1701391	2225.03	203.4	2208.88	792168	249.5477 ng/ml
Diazepam	5.960	2018184	∞	87.7	2947.68	378827	246.6479 ng/ml
Dihydrocodeine	2.552	1298717	1891.60	66.0	624.07	354794	234.7044 ng/ml
Diphenhydramine	5.289	10164665	1358.47	31.9	34135.24	2394270	247.2853 ng/ml
Doxylamine	4.536	13155319	186738.76	98.2	151771.35	2225178	263.6374 ng/ml
EDDP	5.254	5627532	66850.37	41.6	90402.59	1127357	246.8584 ng/ml
Etizolam	5.820	1936520	18010.52	26.0	5202.82	144838	285.8773 ng/ml
Fentanyl	5.109	387519	6836.33	68.4	172.72	760450	24.1117 ng/ml
Flualprazolam	5.705	1300755	5233.79	101.8	924.27	433156	240.6202 ng/ml
Fluoxetine	5.707	1554688	112888.15	8.5	420.34	271965	245.3987 ng/ml
Hydrocodone	3.012	1844888	214.83	42.2	297.95	1002177	238.8378 ng/ml
Hydromorphone	1.595	1698500	2430.08	77.2	18353.24	10330	269.9711 ng/ml
Ketamine	4.051	4142137	181365.33	36.7	4432.99	795277	251.3986 ng/ml
Lamotrigine	4.273	290395	9760.77	80.4	7993.23	795277	202.6005 ng/ml
Levetiracetam	2.683	1594380	15760.28	167.9	2648.30	1883466	249.4438 ng/ml *

*Not evaluated   **Outside curve range

AM #28 Multi-Drug Quant. Results

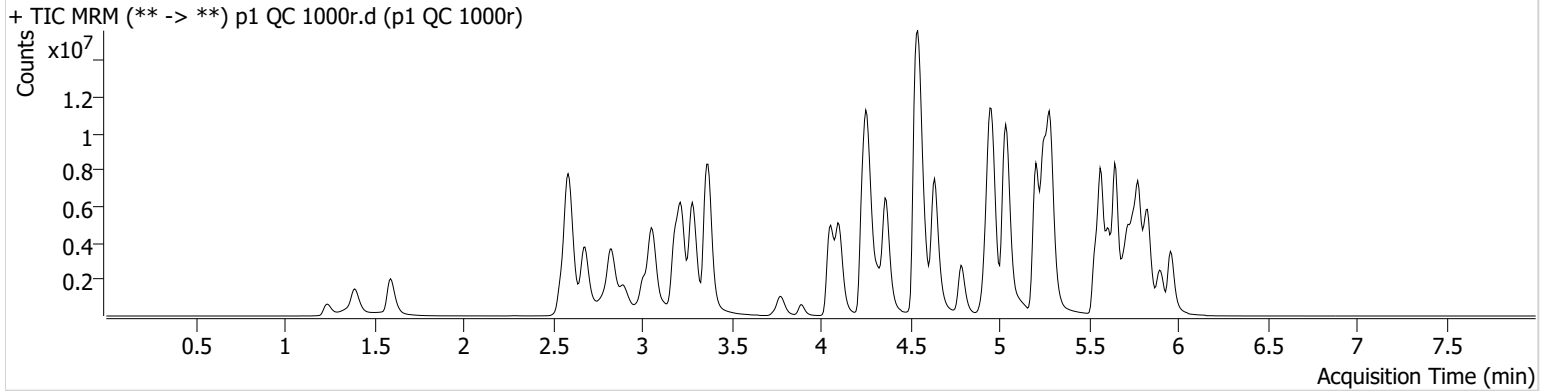| Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
~~Lorazepam~~	~~5.747~~	~~1695818~~	~~19803.08~~	~~56.3~~	~~5799.03~~	~~144838~~	~~159.4075 ng/ml~~**
MDA	3.189	4966468	3648.27	22.3	5686.49	537659	259.0592 ng/ml
MDMA	3.283	4731564	42217.14	71.0	14169.31	165720	259.5619 ng/ml
~~Meprobamate~~	~~4.917~~	~~1302975~~	~~1222.53~~	~~28.3~~	~~40370.51~~	~~341669~~	~~186.3295 ng/ml~~**
Methadone	5.653	7946699	145744.77	46.5	1747.57	1368810	260.7059 ng/ml
Methamphetamine	3.224	7496628	70820.97	36.2	34942.87	1332087	242.5486 ng/ml
Metoprolol	4.326	1103485	4211551.02	91.4	9926.92	2039742	262.1337 ng/ml
Mirtazapine	4.637	7234596	169169.98	51.9	12846.22	1008759	305.6795 ng/ml
Mitragynine	5.237	1224204	4511.73	39.9	993.79	1368810	256.3936 ng/ml
Morphine	1.240	258798	3493.40	36.2	2437.03	10330	270.8661 ng/ml
Norbuprenorphine	4.986	14414	10292.34	96.5	189.66	27334	24.1520 ng/ml
Nordiazepam	5.900	1909618	1366.08	56.6	902.82	259668	250.5030 ng/ml
Norfentanyl	4.079	922565	3595.80	34.1	2100.24	1498083	25.0295 ng/ml
Norhydrocodone	3.053	204372	396.36	46.6	296.34	70606	238.8781 ng/ml
Noroxycodone	2.896	1829515	4501.54	42.5	4527.17	254219	250.9318 ng/ml
O-desmethyl-tramadol	3.362	10193162	275039.18	6.3	35505.59	2319744	256.8098 ng/ml
Oxazepam	5.756	2494594	41048.86	72.8	308.09	408298	258.7661 ng/ml
Oxycodone	2.827	4423105	2546.96	26.7	725.61	801790	245.6632 ng/ml
Oxymorphone	1.391	1818488	3234.08	41.8	∞	264160	251.3018 ng/ml
Phentermine	3.776	1913179	17257.66	3.9	157.54	1083804	227.0881 ng/ml
Promethazine	5.538	6246666	152142.91	27.4	1433.14	1068231	250.0545 ng/ml
Pseudoephedrine	2.589	10323409	87538.90	15.8	88864.46	1883466	245.8610 ng/ml
Quetiapine	5.569	4833825	1202.87	58.4	1532.32	235932	258.5094 ng/ml
Sertraline	5.776	514182	10313.06	100.4	360759.24	100843	242.5959 ng/ml
Temazepam	5.823	5385511	40319.38	29.5	599.05	1029313	250.2528 ng/ml
Tramadol	4.239	10452054	2828.58	3.4	1726.14	2039742	269.3402 ng/ml
Trazodone	5.196	4767969	363381.49	79.2	211546.51	876205	251.4038 ng/ml
Venlafaxine	5.037	9791118	422667.56	36.2	23664.60	1856936	257.2802 ng/ml
Zolpidem	4.955	9801640	3751.50	30.5	28903.10	1915590	255.3850 ng/ml

**Outside curve range

AM #28 Multi-Drug Quant. Results

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin
Calibration Last Update   5/21/2021 10:30:52 AM

Instrument	Falco (069901)	**Data File**	p1 QC 1000r.d
Type	QC	**Sample**	p1 QC 1000r
Acq. Method	AM 28 MDQ P1.m	**Operator**	Celena Shrum
Sample Position	P2-D6	**Comment**	
Injection Volume	2		
Acq. Date-Time	5/13/2021 4:28:16 PM		
Sample Info.			

Sample Chromatogram

+ TIC MRM (** -> **) p1 QC 1000r.d (p1 QC 1000r)

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	355867	1298.00	70.0	1230.60	85286	105.5098 ng/ml
7-aminoclonazepam	4.278	2015876	41896.73	80.2	4807.08	65680	1050.6337 ng/ml
a-hydroxyalprazolam	5.692	1052935	707.49	56.1	422.10	231918	527.8376 ng/ml **
alpha-PHP	4.930	2380823	38104.20	279.1	69069.72	485479	840.6509 ng/ml **
alpha-PVP	4.370	10739003	19638.84	51.8	97334.34	485479	980.8284 ng/ml
Alprazolam	5.782	6764278	2792.51	113.8	4448.52	231918	1018.5841 ng/ml
Amphetamine	3.063	10115434	35134.58	47.7	14375.16	142684	805.0321 ng/ml **
Benzoylecgonine	3.892	711730	∞	7.4	49070.96	24590	1101.6716 ng/ml
Buprenorphine	5.921	169838	8788.08	14.5	35933.16	66470	97.6920 ng/ml
Bupropion	4.788	4458562	212319.31	59.9	611.82	173468	931.3024 ng/ml
Carisoprodol	5.730	3885835	13463332.21	55.1	20368.88	174538	1040.2459 ng/ml
Citalopram	5.212	5603843	∞	41.3	23037.52	247294	1013.7052 ng/ml
Clonazepam	5.612	5920834	3481.92	29.8	29831.66	77655	977.8134 ng/ml
Clonazolam	5.549	3828621	111033.58	37.4	2154912.15	77655	930.1715 ng/ml
Cocaine	4.257	10681216	1010140.28	49.4	83111.11	921851	1049.6345 ng/ml
Codeine	2.566	834252	561.65	97.0	12911.64	58743	774.8804 ng/ml **
Cyclobenzaprine	5.615	2068780	156139.43	9.6	1056.48	82921	977.5773 ng/ml
Dextromethorphan	5.262	2384477	75144.95	81.3	74757.97	114322	978.9289 ng/ml
Dextrorphan	4.105	3848124	39540.68	207.6	4171.12	432879	1031.7138 ng/ml
Diazepam	5.960	4713950	10647.80	88.2	582.16	221896	983.6217 ng/ml
Dihydrocodeine	2.545	3088874	3015.61	68.8	16523.45	276953	716.4314 ng/ml **
Diphenhydramine	5.289	16321084	202335.93	33.4	120617.83	958228	991.2837 ng/ml
Doxylamine	4.543	29546291	5084.59	98.6	385982.10	1532685	859.6326 ng/ml
EDDP	5.254	12997195	66548.02	41.1	72801.51	634040	1012.7856 ng/ml
Etizolam	5.820	4494641	12744.97	25.3	5692.39	77655	1236.4648 ng/ml **
Fentanyl	5.109	424964	701.30	66.5	501697.70	198633	101.1558 ng/ml
Flualprazolam	5.705	2537529	19024.30	105.9	39328.60	231918	877.2762 ng/ml
Fluoxetine	5.707	816573	1632.45	8.3	37555.93	37406	937.7980 ng/ml
Hydrocodone	3.012	4752180	∞	40.0	388.84	694637	889.7515 ng/ml
Hydromorphone	1.595	4208465	12502741.79	77.2	9969605.59	7269	951.9676 ng/ml
Ketamine	4.051	8972026	200019.86	35.7	32897.63	456314	950.1775 ng/ml
Lamotrigine	4.280	509184	11058.52	79.0	5051.72	456314	620.0424 ng/ml **
Levetiracetam	2.683	3943287	3436.40	170.6	166445.30	922962	1257.3245 ng/ml *

p1 QC 1000r   *Not evaluated   **Outside curve range   Generated at 10:31 AM on 5/21/2021
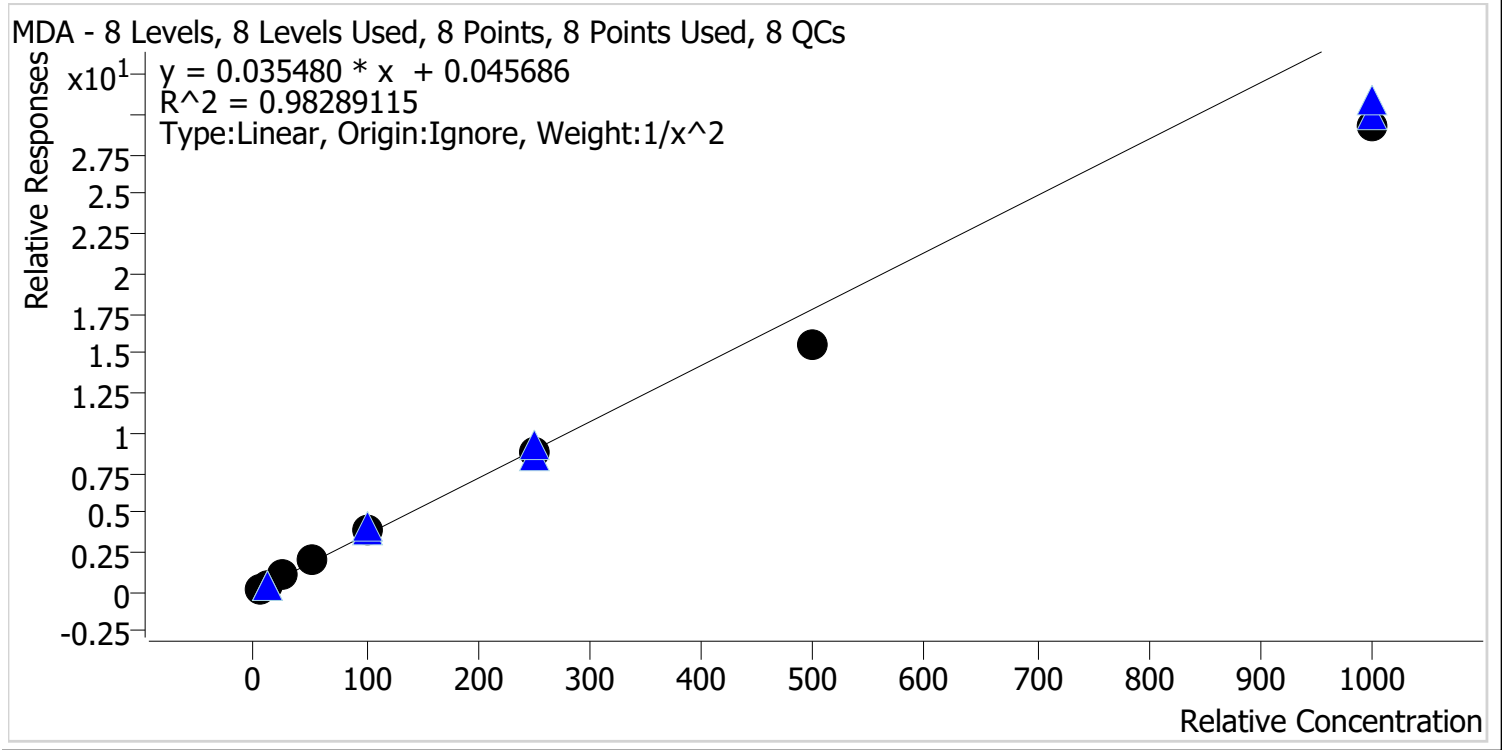
AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	1869222	88842.78	58.3	570.29	77655	328.8594 ng/ml **
MDA	3.189	8706843	13176.69	21.8	8815.71	282145	868.4744 ng/ml
MDMA	3.283	10885073	10037.51	68.5	7987.70	94636	1045.8721 ng/ml
Meprobamate	4.911	2198095	39948.20	28.4	16668.14	227841	471.8629 ng/ml **
Methadone	5.653	11524180	139317.84	47.6	38115.70	507051	1019.8050 ng/ml
Methamphetamine	3.224	10560670	43348.37	36.0	74028.33	560041	815.7756 ng/ml
Metoprolol	4.326	2400872	5351561.30	91.2	76066.82	1327302	877.2123 ng/ml
Mirtazapine	4.637	13153911	174419.81	52.1	6411.39	485479	1151.7569 ng/ml **
Mitragynine	5.237	1047452	3984.94	40.4	8227.57	507051	591.8372 ng/ml **
Morphine	1.240	662347	22862.13	37.6	∞	7269	986.1002 ng/ml
Norbuprenorphine	4.986	19357	291.50	92.0	11047.95	8213	107.8981 ng/ml
Nordiazepam	5.906	3817744	5474.26	55.5	506.61	138647	938.4880 ng/ml
Norfentanyl	4.079	2182434	2513.69	34.1	10510.47	845268	104.7665 ng/ml
Norhydrocodone	3.053	586985	137.42	41.5	1448.23	38809	1245.6022 ng/ml
Noroxycodone	2.896	3568992	809.97	42.5	15309.18	126265	985.6606 ng/ml
O-desmethyl-tramadol	3.369	23525584	64825.06	7.1	2447.33	1465522	937.7784 ng/ml
Oxazepam	5.749	2657365	4468.22	71.7	11081.91	119431	943.3888 ng/ml
Oxycodone	2.821	12070187	6334.80	26.4	1200.22	562282	956.5007 ng/ml
Oxymorphone	1.391	4494042	685.53	41.5	∞	170543	961.9903 ng/ml
Phentermine	3.776	3257828	4427.35	3.8	3814.83	554641	757.5130 ng/ml **
Promethazine	5.532	5196313	215455.07	27.8	2117.37	221146	1004.0119 ng/ml
Pseudoephedrine	2.589	21806930	178571.01	15.8	116681.04	922962	1058.4071 ng/ml
Quetiapine	5.569	9599263	238405.78	58.2	656585.34	124911	968.4773 ng/ml
Sertraline	5.776	385997	25032.68	99.7	955.28	18769	978.6646 ng/ml
Temazepam	5.830	7942559	71833.28	28.8	22565.65	360570	1052.5226 ng/ml
Tramadol	4.239	21346025	1337.97	3.8	1057.26	1327302	846.0697 ng/ml
Trazodone	5.203	8590986	215736.66	78.9	132438.88	413199	962.6709 ng/ml
Venlafaxine	5.037	22277136	606673.42	39.5	53042.13	1097662	989.4211 ng/ml
Zolpidem	4.961	23224275	140522.80	33.2	1264.12	1287348	900.6427 ng/ml

**Outside curve range

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin

Last Cal. Update   5/21/2021 10:30 AM

Analyst Name   ISP\datastor

Analyte   MDA   **Internal Standard**   MDA-D5

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

$y = 0.035480 * x + 0.045686$

$R^2 = 0.98289115$

Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	4.7	94.4
p1 Cal 2-10ng	2	✔	10.0	10.4	104.3
p1 Cal 3 -25ng	3	✔	25.0	27.1	108.6
p1 Cal 4-50ng	4	✔	50.0	58.1	116.2
p1 Cal 5-100ng	5	✔	100.0	107.7	107.7
p1 Cal 6-250ng	6	✔	250.0	248.1	99.2
p1 Cal 7-500ng	7	✔	500.0	434.6	86.9
p1 Cal 8-1000ng	8	✔	1000.0	826.8	82.7

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin

Last Cal. Update 5/21/2021 10:30 AM

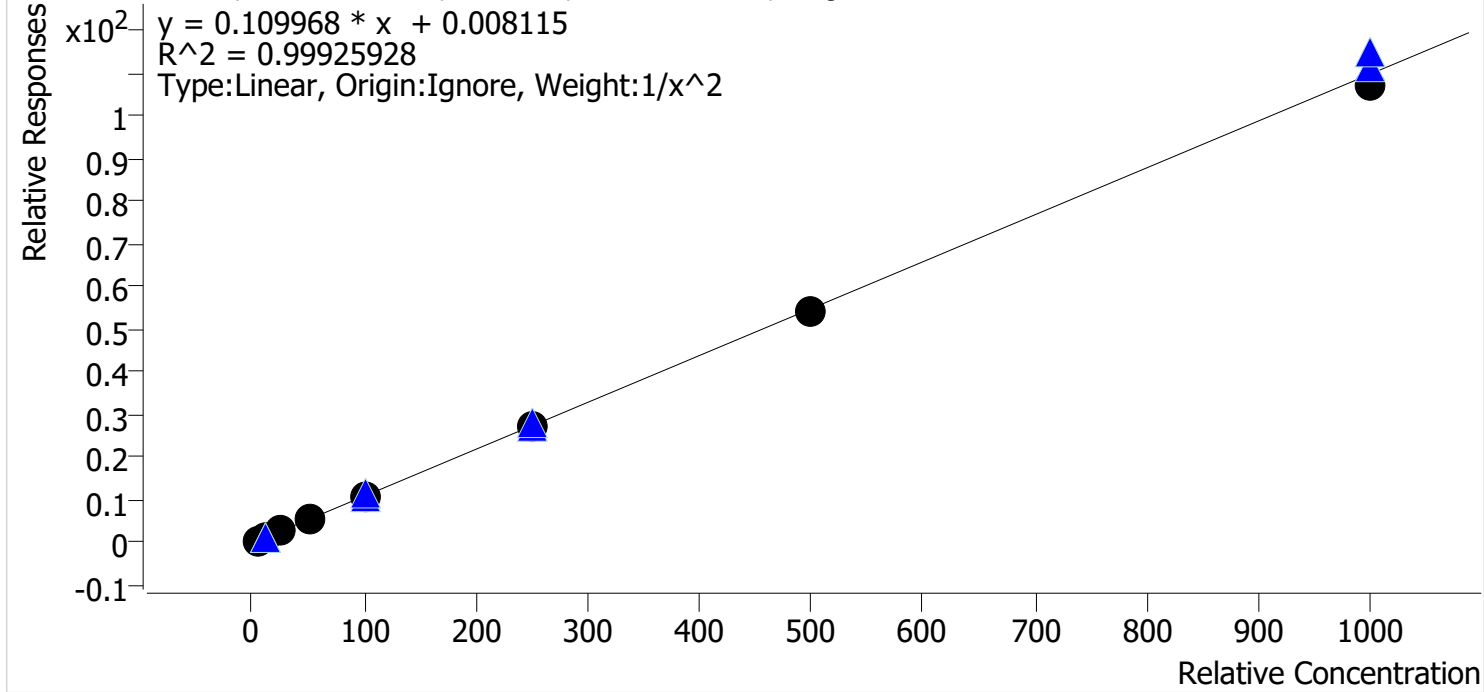**Analyst Name** ISP\datastor

Analyte MDMA **Internal Standard** MDMA-D6

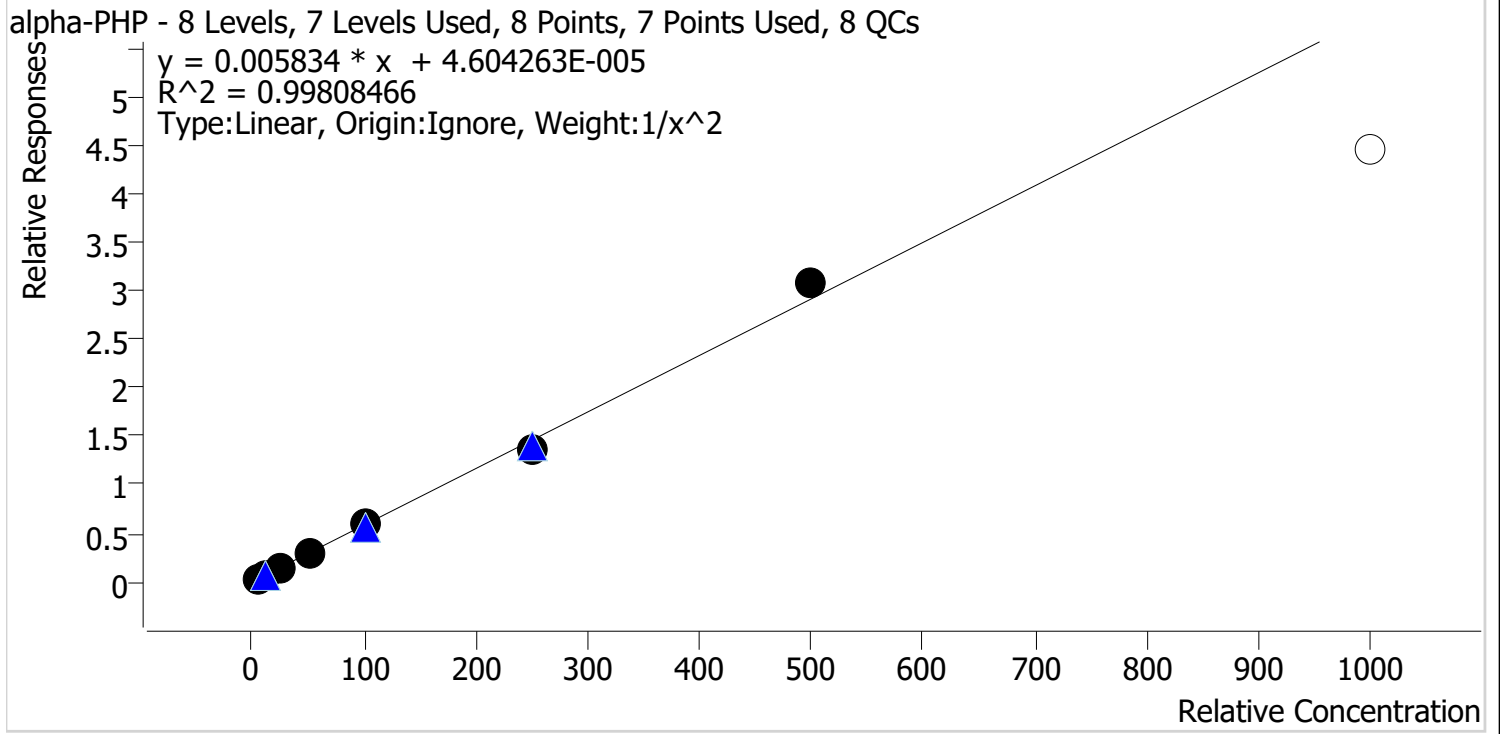MDMA - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 8 QCs

$y = 0.109968 * x + 0.008115$
$R^2 = 0.99925928$
Type:Linear, Origin:Ignore, Weight:1/x^2

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	98.2
p1 Cal 3 -25ng	3	✔	25.0	24.6	98.4
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	251.1	100.5
p1 Cal 7-500ng	7	✔	500.0	493.0	98.6
p1 Cal 8-1000ng	8	✔	1000.0	975.7	97.6

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin
Last Cal. Update   5/21/2021 10:30 AM
Analyst Name   ISP\datastor
Analyte   alpha-PHP   **Internal Standard**   alpha-PVP-d8

alpha-PHP - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 8 QCs
$y = 0.005834 * x + 4.604263E\text{-}005$
$R^2 = 0.99808466$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	5.0	100.0
p1 Cal 2-10ng	2	✔	10.0	10.1	100.9
p1 Cal 3 -25ng	3	✔	25.0	24.3	97.3
p1 Cal 4-50ng	4	✔	50.0	50.5	101.0
p1 Cal 5-100ng	5	✔	100.0	100.0	100.0
p1 Cal 6-250ng	6	✔	250.0	235.7	94.3
p1 Cal 7-500ng	7	✔	500.0	531.8	106.4
p1 Cal 8-1000ng	8	✗	1000.0	761.5	76.2

Calibrator 8 dropped due to not meeting accuracy requirement.

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin

Last Cal. Update   5/21/2021 10:30 AM

Analyst Name   ISP\datastor

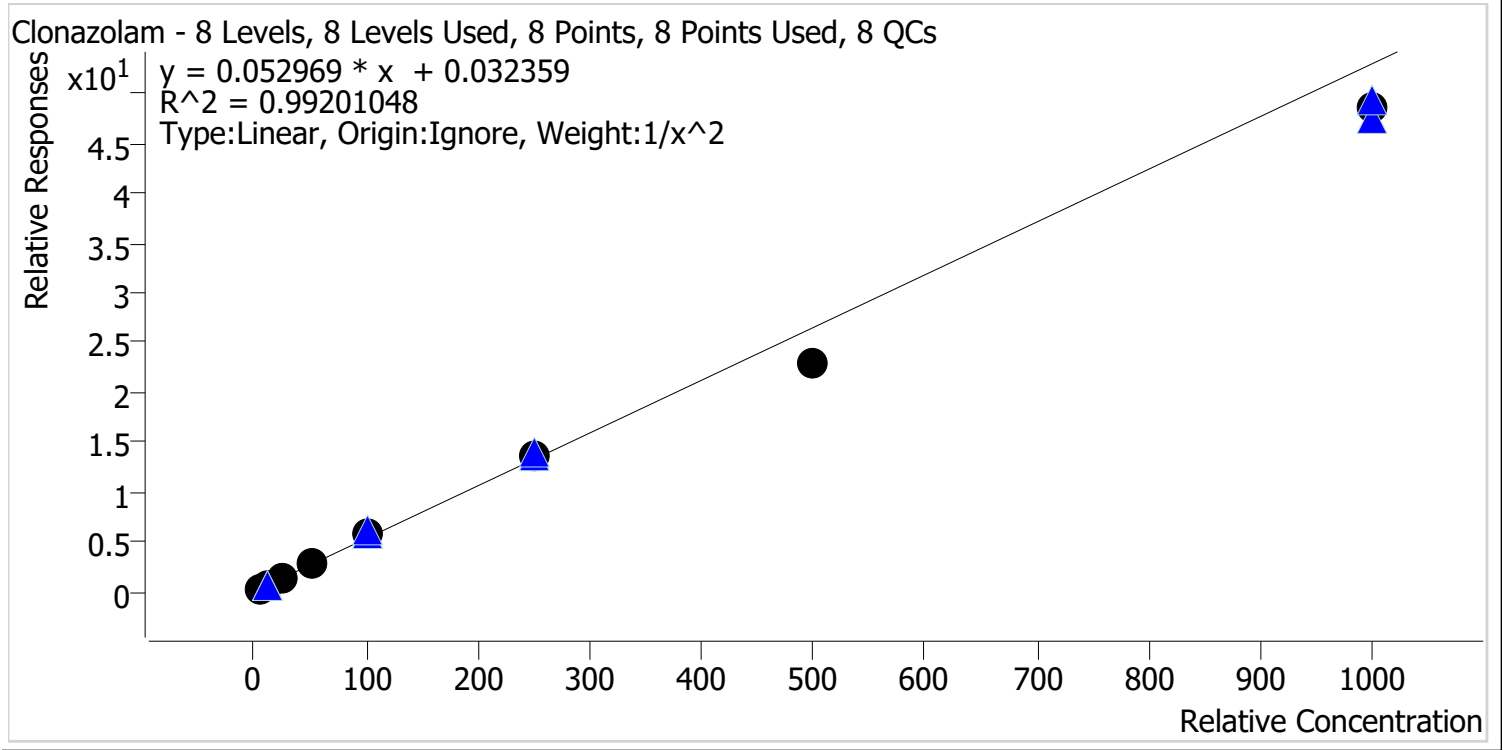**Analyte**   Clonazolam   **Internal Standard**   Clonazepam-D4

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

$y = 0.052969 * x + 0.032359$
$R^2 = 0.99201048$
Type:Linear, Origin:Ignore, Weight:1/x^2

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	103.1
p1 Cal 3 -25ng	3	✔	25.0	25.5	102.0
p1 Cal 4-50ng	4	✔	50.0	54.5	108.9
p1 Cal 5-100ng	5	✔	100.0	108.1	108.1
p1 Cal 6-250ng	6	✔	250.0	257.0	102.8
p1 Cal 7-500ng	7	✔	500.0	433.3	86.7
p1 Cal 8-1000ng	8	✔	1000.0	915.7	91.6

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin
Last Cal. Update   5/21/2021 10:30 AM
Analyst Name   ISP\datastor
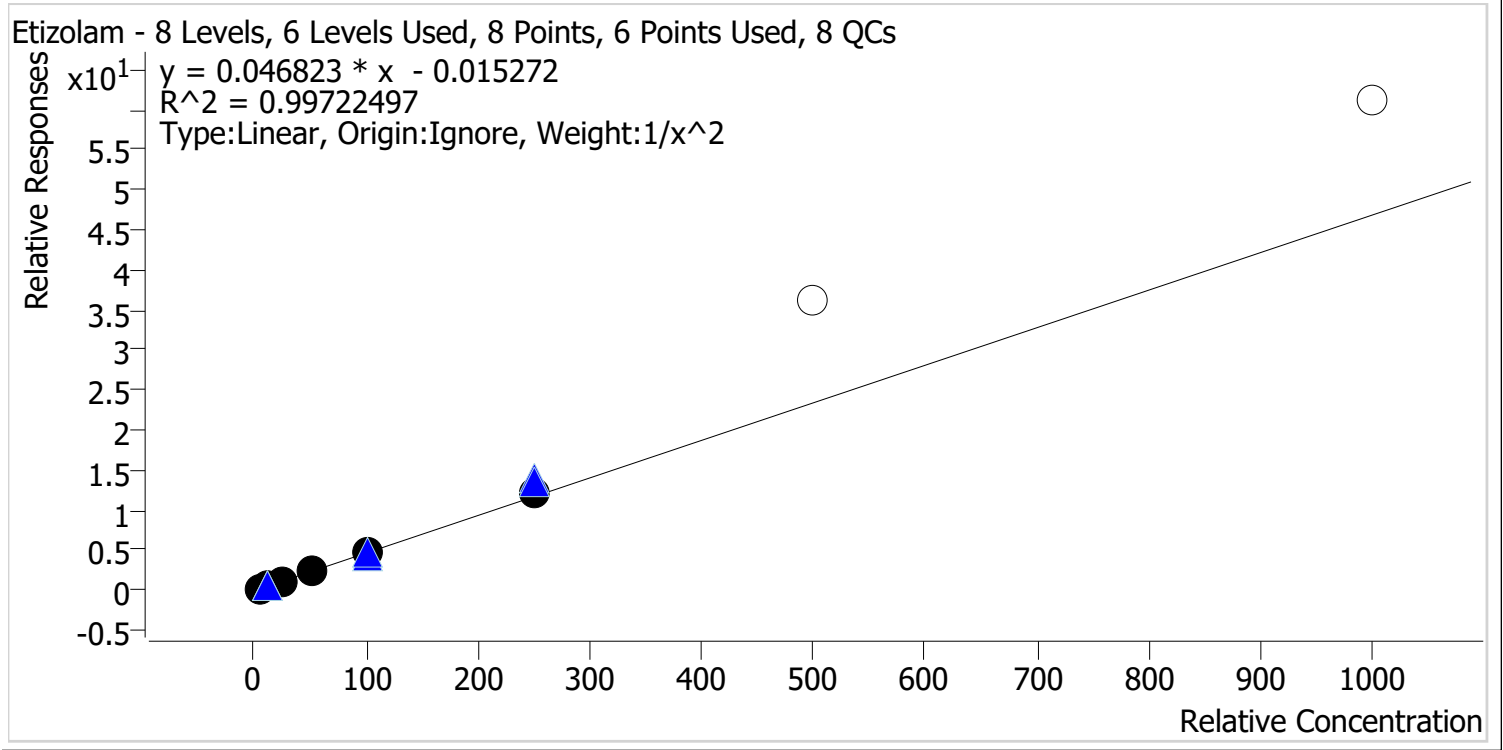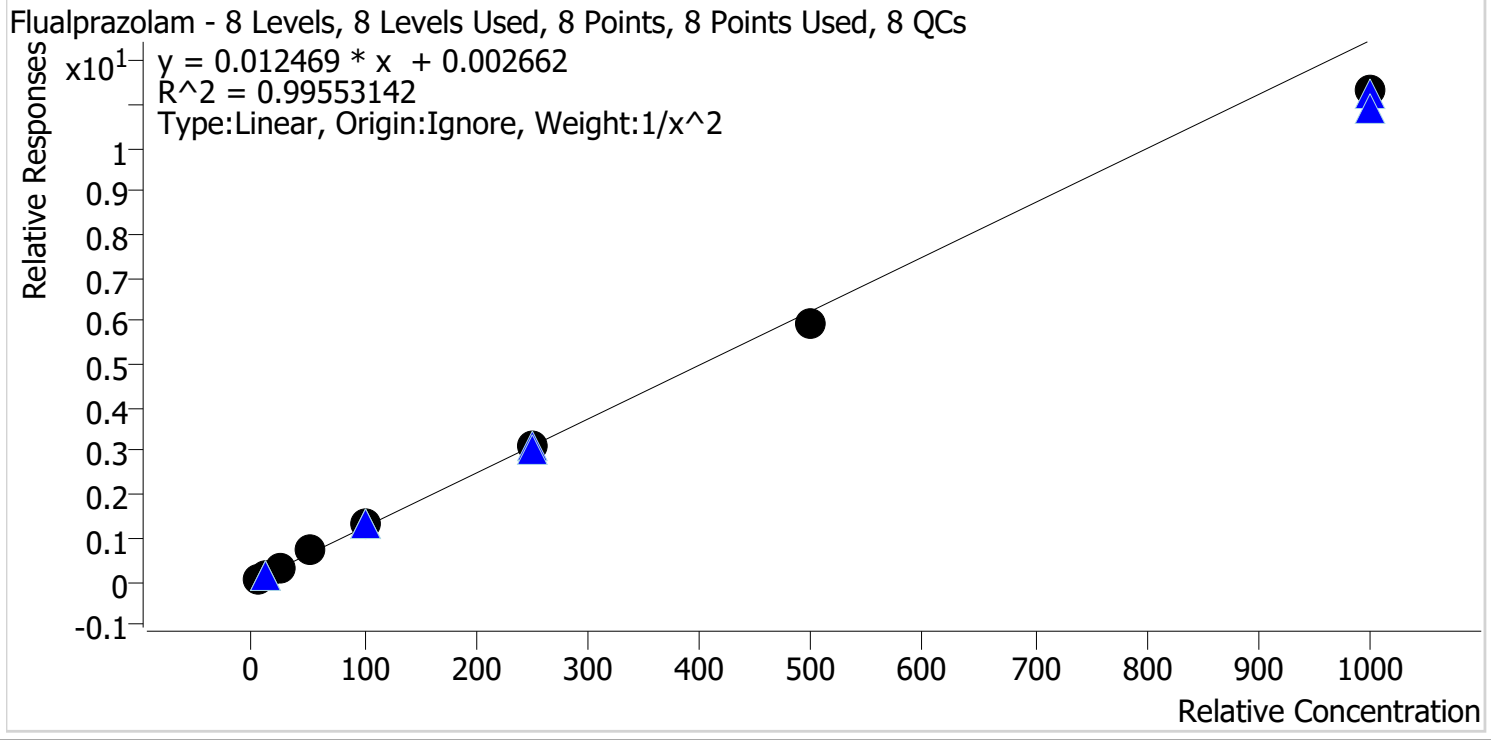**Analyte**   Etizolam   **Internal Standard**   Clonazepam-D4

Etizolam - 8 Levels, 6 Levels Used, 8 Points, 6 Points Used, 8 QCs

$y = 0.046823 * x - 0.015272$
$R^2 = 0.99722497$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

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	10.1	101.5
p1 Cal 3 -25ng	3	✔	25.0	23.1	92.3
p1 Cal 4-50ng	4	✔	50.0	50.1	100.1
p1 Cal 5-100ng	5	✔	100.0	99.8	99.8
p1 Cal 6-250ng	6	✔	250.0	263.9	105.6
p1 Cal 7-500ng	7	✗	500.0	770.5	154.1
p1 Cal 8-1000ng	8	✗	1000.0	1304.9	130.5

Calibrators 7 and 8 dropped due to not meeting accuracy requirement.

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin
Last Cal. Update   5/21/2021 10:30 AM
Analyst Name   ISP\datastor
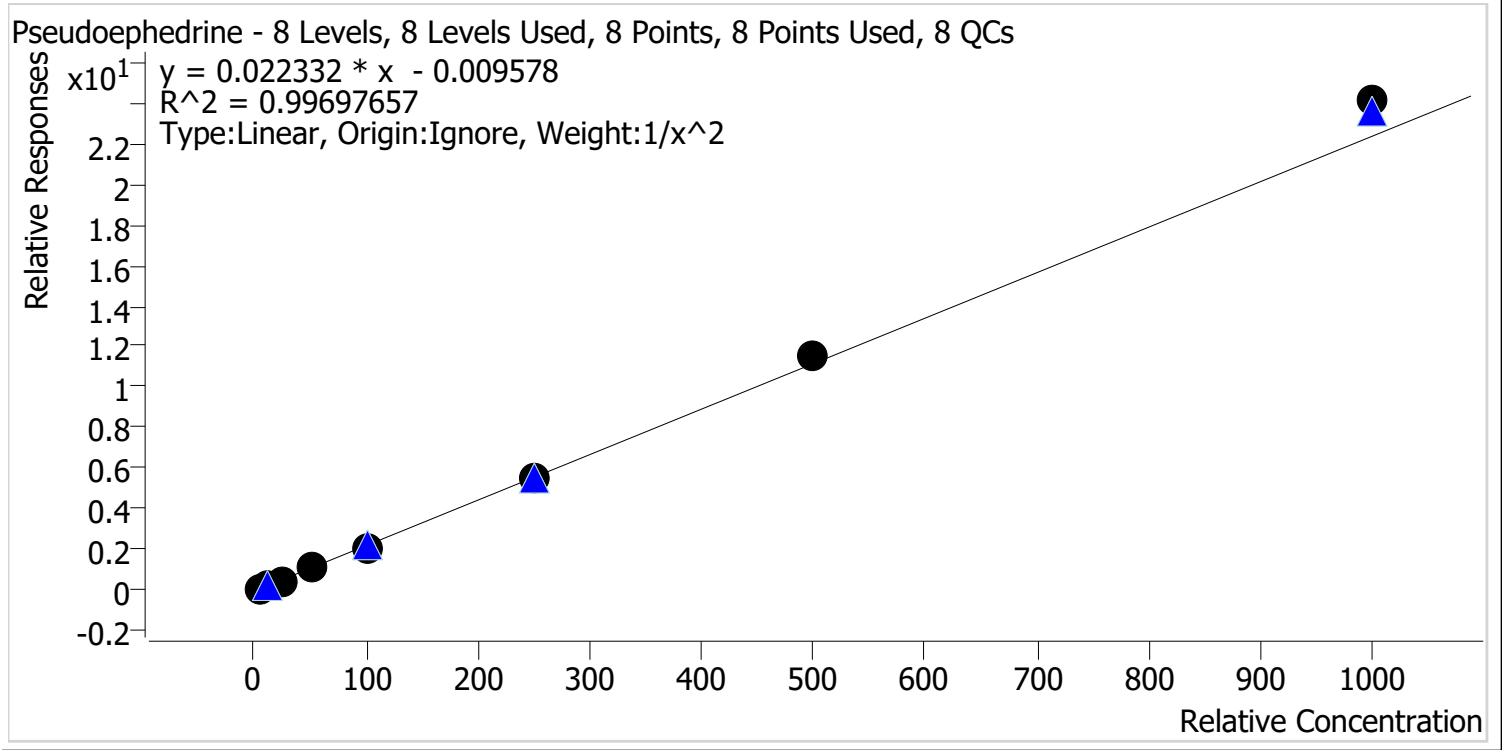**Analyte**   Flualprazolam   **Internal Standard**   Alprazolam-D5

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

$y = 0.012469 * x + 0.002662$
$R^2 = 0.99553142$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	5.0	99.0
p1 Cal 2-10ng	2	✔	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✔	25.0	25.6	102.3
p1 Cal 4-50ng	4	✔	50.0	55.3	110.7
p1 Cal 5-100ng	5	✔	100.0	103.4	103.4
p1 Cal 6-250ng	6	✔	250.0	248.2	99.3
p1 Cal 7-500ng	7	✔	500.0	479.2	95.8
p1 Cal 8-1000ng	8	✔	1000.0	907.4	90.7

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin

Last Cal. Update 5/21/2021 10:30 AM

Analyst Name ISP\datastor

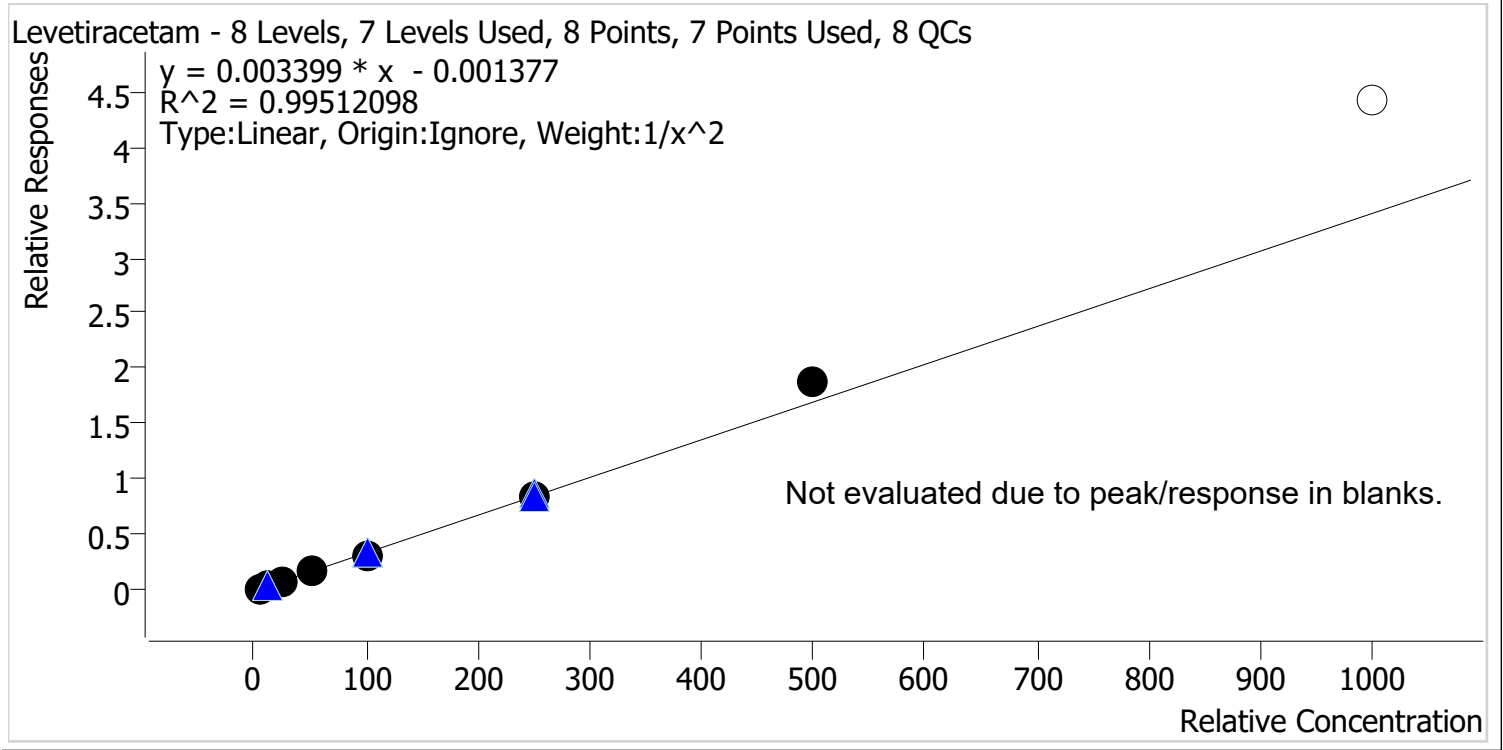**Analyte** Pseudoephedrine   **Internal Standard** Pseudoephedrine-D3

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

$y = 0.022332 * x - 0.009578$
$R^2 = 0.99697657$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	5.2	103.7
p1 Cal 2-10ng	2	✔	10.0	9.5	95.2
p1 Cal 3 -25ng	3	✔	25.0	23.5	94.1
p1 Cal 4-50ng	4	✔	50.0	49.8	99.6
p1 Cal 5-100ng	5	✔	100.0	96.6	96.6
p1 Cal 6-250ng	6	✔	250.0	248.0	99.2
p1 Cal 7-500ng	7	✔	500.0	518.8	103.8
p1 Cal 8-1000ng	8	✔	1000.0	1078.4	107.8

Batch results D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 5/21/2021 10:30 AM
Analyst Name ISP\datastor
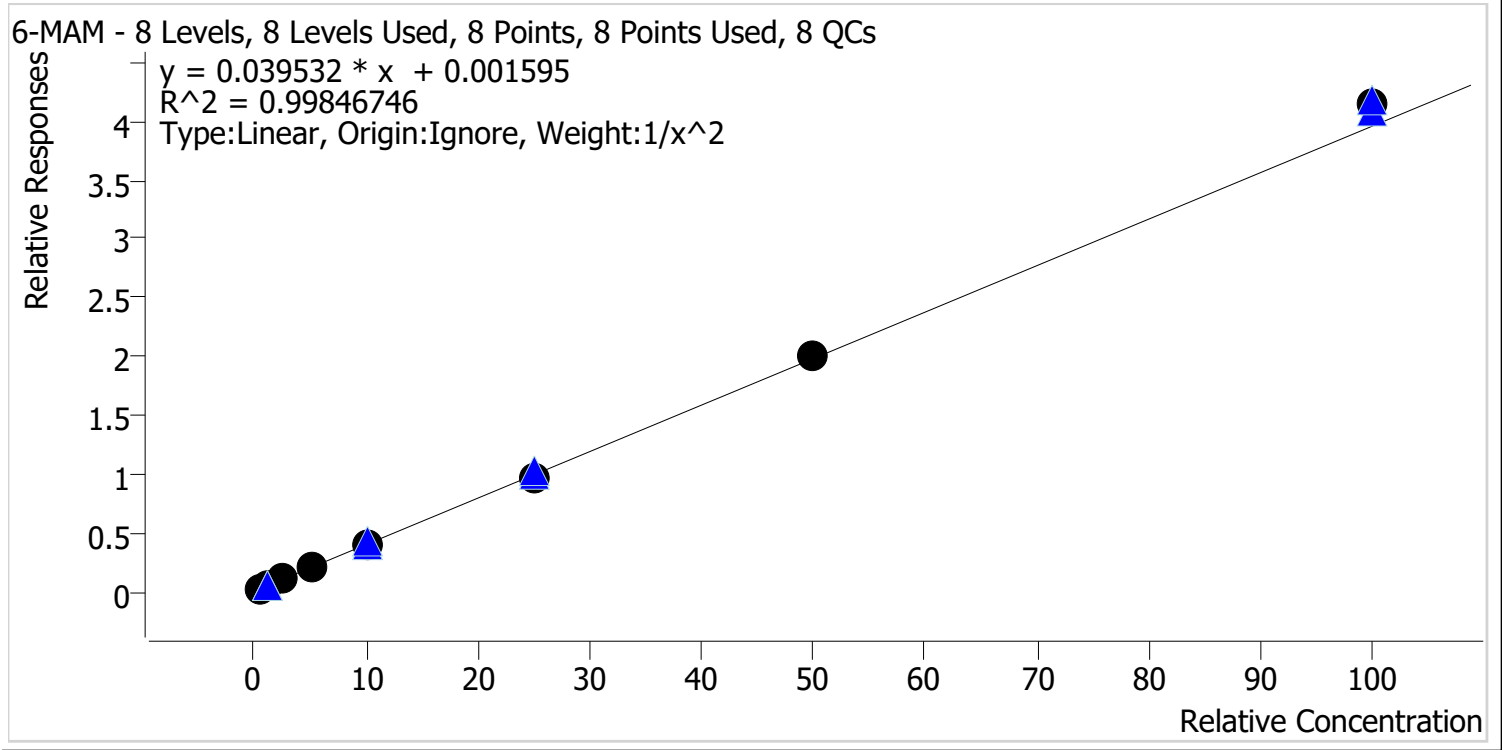**Analyte** Levetiracetam **Internal Standard** Pseudoephedrine-D3

Levetiracetam - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 8 QCs

$y = 0.003399 * x - 0.001377$
$R^2 = 0.99512098$
Type:Linear, Origin:Ignore, Weight:1/x^2

Not evaluated due to peak/response in blanks.

Y-axis: Relative Responses
X-axis: Relative Concentration

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	5.1	102.9
p1 Cal 2-10ng	2	✔	10.0	9.7	97.3
p1 Cal 3 -25ng	3	✔	25.0	23.4	93.4
p1 Cal 4-50ng	4	✔	50.0	49.2	98.5
p1 Cal 5-100ng	5	✔	100.0	96.2	96.2
p1 Cal 6-250ng	6	✔	250.0	250.3	100.1
p1 Cal 7-500ng	7	✔	500.0	558.0	111.6
p1 Cal 8-1000ng	8	✗	1000.0	1299.2	129.9

Type text here

AM #28 Multi-Drug Quant. Calibration Curve Report

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

y = 0.039532 * x + 0.001595
R^2 = 0.99846746
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	0.5	0.5	100.3
p1 Cal 2-10ng	2	✔	1.0	1.0	101.3
p1 Cal 3 -25ng	3	✔	2.5	2.4	94.6
p1 Cal 4-50ng	4	✔	5.0	5.2	103.7
p1 Cal 5-100ng	5	✔	10.0	9.7	96.5
p1 Cal 6-250ng	6	✔	25.0	24.5	98.2
p1 Cal 7-500ng	7	✔	50.0	50.5	101.0
p1 Cal 8-1000ng	8	✔	100.0	104.5	104.5

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin
Last Cal. Update   5/21/2021 10:30 AM
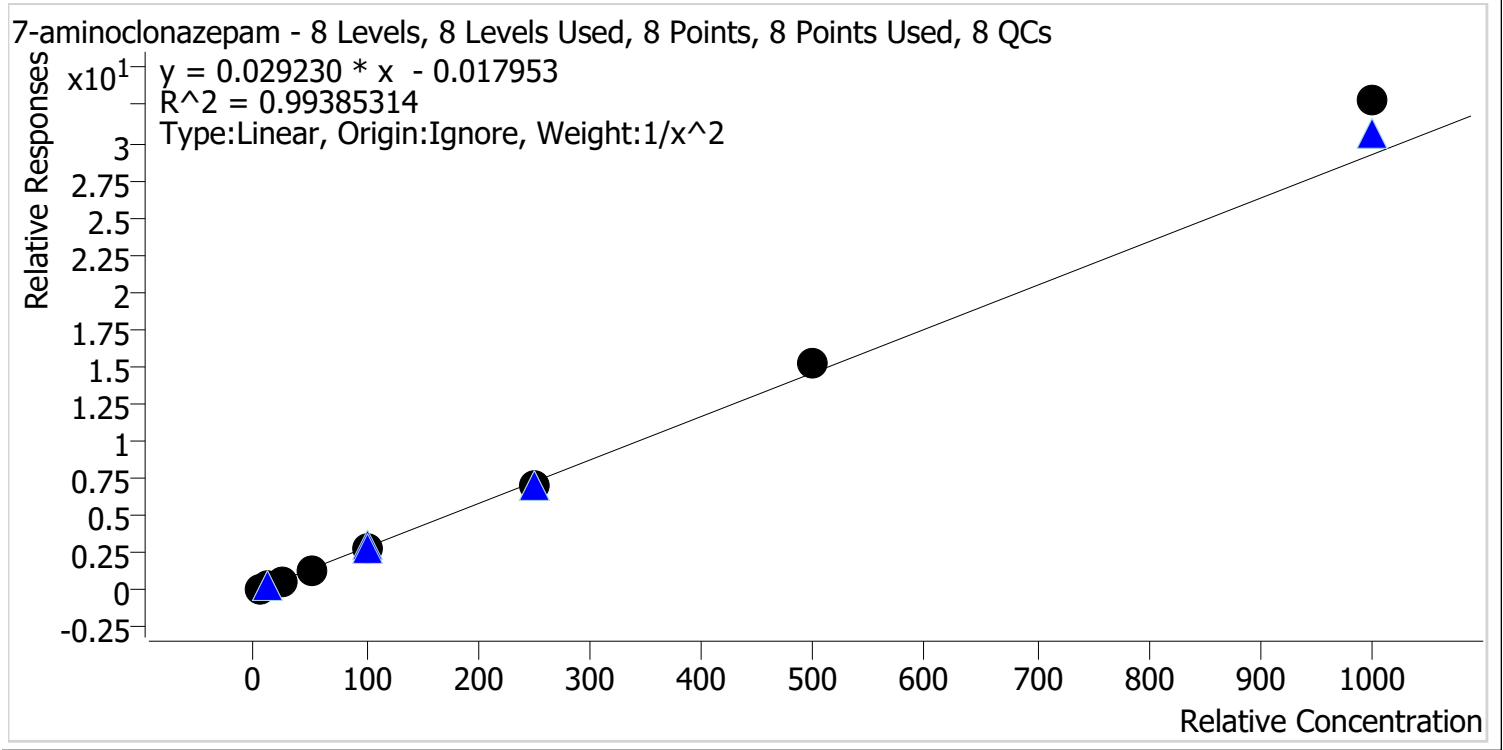**Analyst Name**   ISP\datastor
Analyte   7-aminoclonazepam   **Internal Standard**   7-Aminoclonazepam-D4

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

$y = 0.029230 * x - 0.017953$
$R^2 = 0.99385314$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	5.2	105.0
p1 Cal 2-10ng	2	✔	10.0	9.3	93.4
p1 Cal 3 -25ng	3	✔	25.0	23.0	92.2
p1 Cal 4-50ng	4	✔	50.0	50.3	100.6
p1 Cal 5-100ng	5	✔	100.0	96.2	96.2
p1 Cal 6-250ng	6	✔	250.0	240.9	96.4
p1 Cal 7-500ng	7	✔	500.0	519.7	103.9
p1 Cal 8-1000ng	8	✔	1000.0	1123.6	112.4

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin

Last Cal. Update   5/21/2021 10:30 AM

Analyst Name   ISP\datastor

Analyte   a-hydroxyalprazolam   **Internal Standard**   Alprazolam-D5
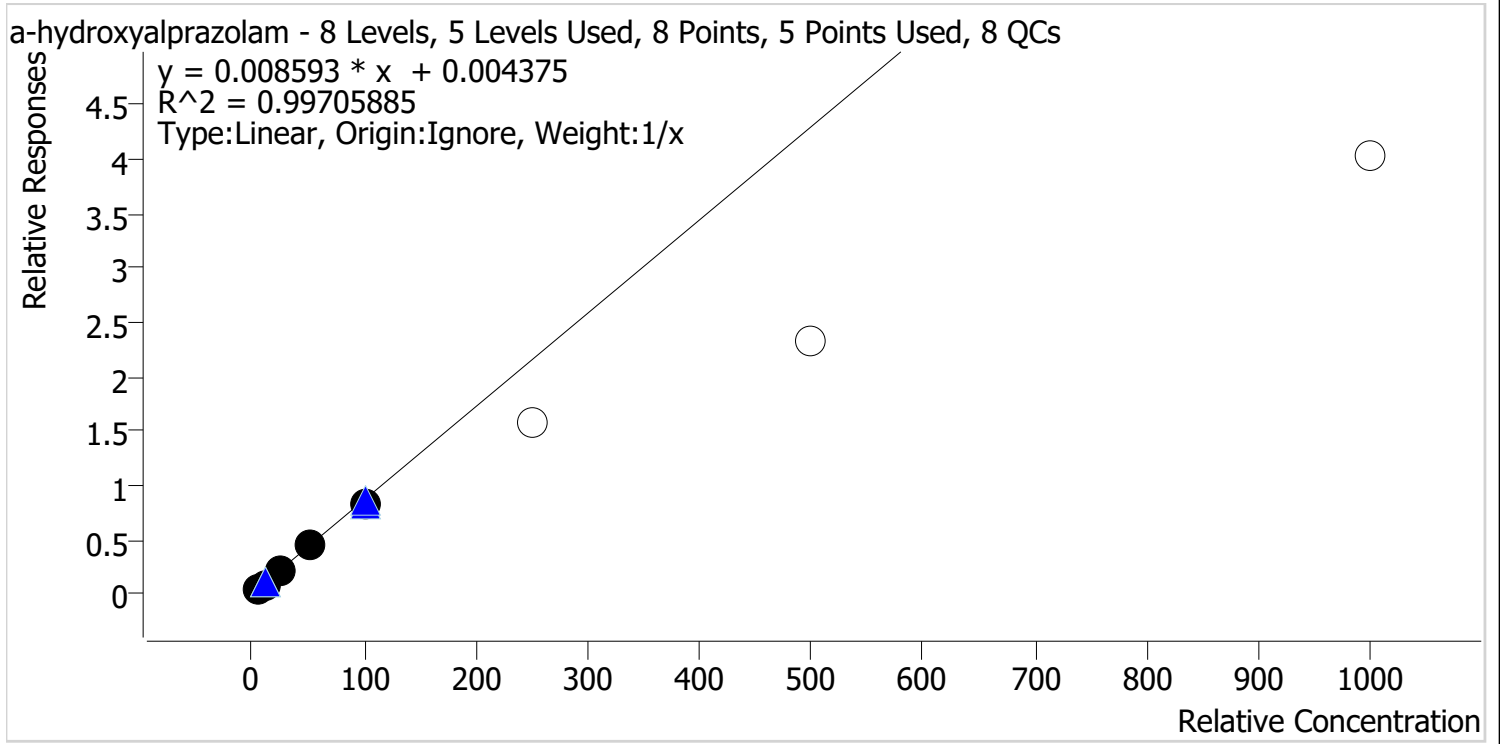
a-hydroxyalprazolam - 8 Levels, 5 Levels Used, 8 Points, 5 Points Used, 8 QCs

$y = 0.008593 * x + 0.004375$

$R^2 = 0.99705885$

Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	4.8	95.8
p1 Cal 2-10ng	2	✔	10.0	9.9	99.4
p1 Cal 3 -25ng	3	✔	25.0	25.4	101.6
p1 Cal 4-50ng	4	✔	50.0	53.3	106.7
p1 Cal 5-100ng	5	✔	100.0	96.5	96.5
p1 Cal 6-250ng	6	✗	250.0	181.9	72.8
p1 Cal 7-500ng	7	✗	500.0	272.1	54.4
p1 Cal 8-1000ng	8	✗	1000.0	469.6	47.0

Calibrators 6, 7, and 8 dropped due to not meeting accuracy requirement.

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin

Last Cal. Update   5/21/2021 10:30 AM

Analyst Name   ISP\datastor

Analyte   alpha-PVP   **Internal Standard**   alpha-PVP-d8

alpha-PVP - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 8 QCs

$y = 0.022555 * x - 0.002405$
$R^2 = 0.99959184$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

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	24.4	97.5
p1 Cal 4-50ng	4	✔	50.0	51.3	102.7
p1 Cal 5-100ng	5	✔	100.0	101.2	101.2
p1 Cal 6-250ng	6	✔	250.0	244.4	97.8
p1 Cal 7-500ng	7	✔	500.0	502.6	100.5
p1 Cal 8-1000ng	8	✔	1000.0	1005.1	100.5

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 5/21/2021 10:30 AM
Analyst Name   ISP\datastor
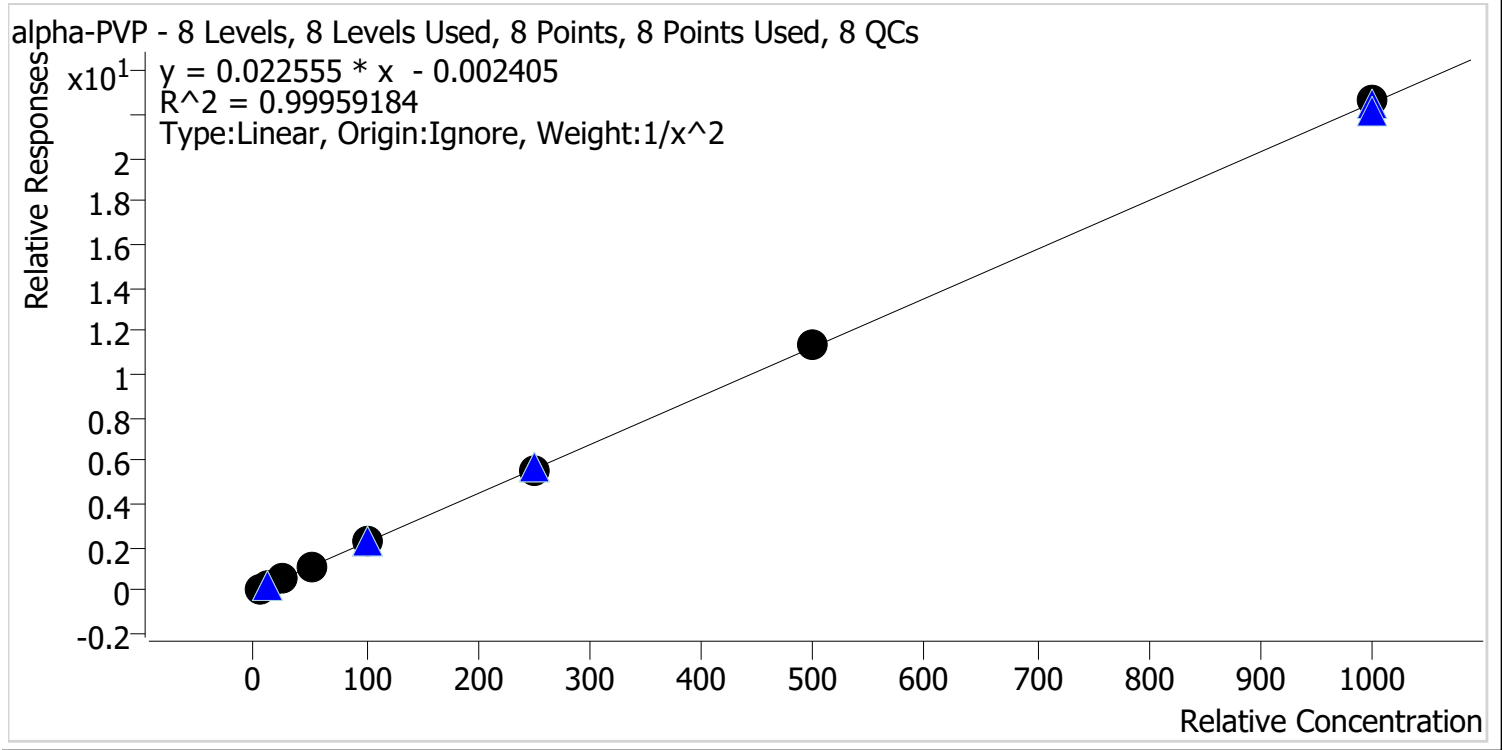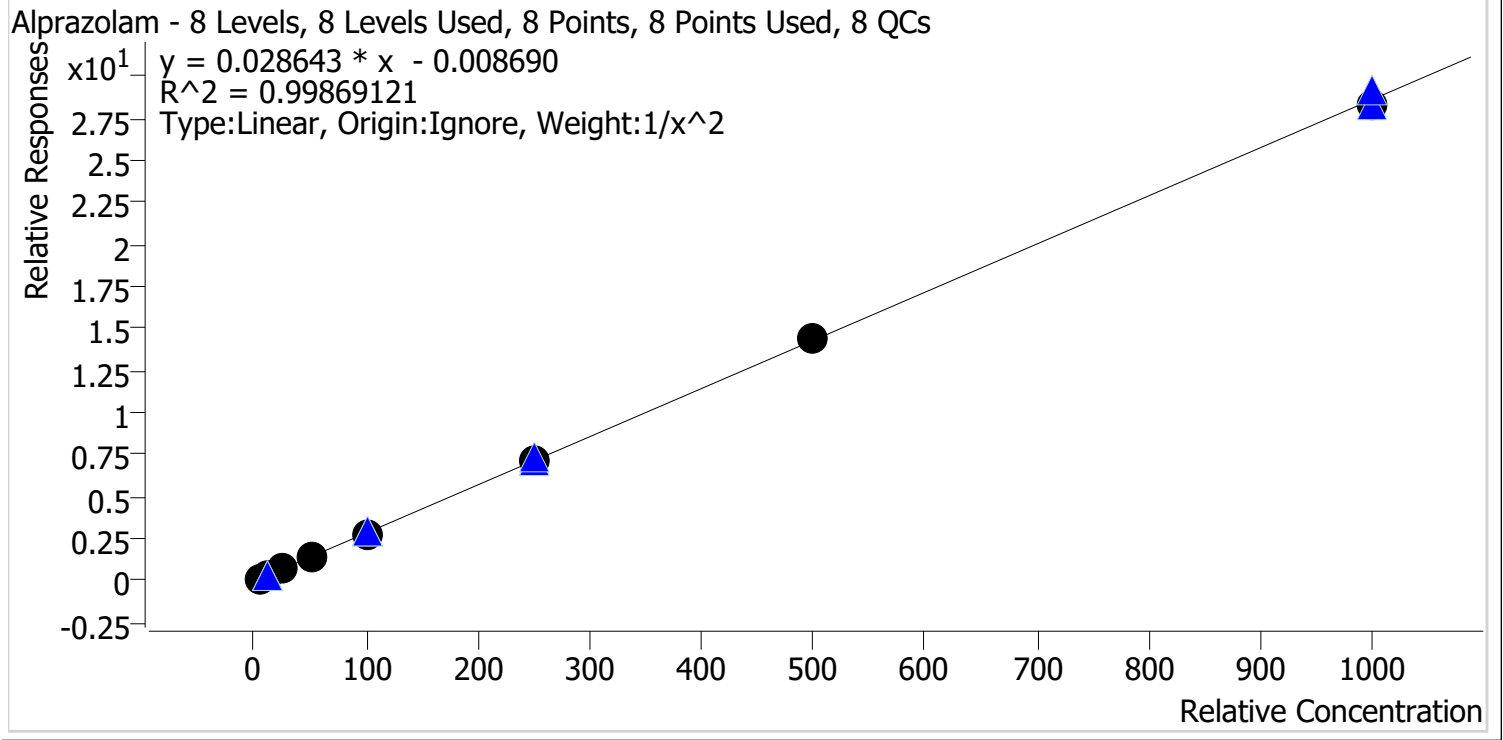**Analyte**   Alprazolam   **Internal Standard**   Alprazolam-D5

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

$y = 0.028643 * x - 0.008690$
$R^2 = 0.99869121$
Type:Linear, Origin:Ignore, Weight:1/x^2

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	9.7	97.2
p1 Cal 3 -25ng	3	✔	25.0	23.7	94.9
p1 Cal 4-50ng	4	✔	50.0	52.7	105.3
p1 Cal 5-100ng	5	✔	100.0	100.0	100.0
p1 Cal 6-250ng	6	✔	250.0	250.9	100.4
p1 Cal 7-500ng	7	✔	500.0	507.6	101.5
p1 Cal 8-1000ng	8	✔	1000.0	988.4	98.8

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin
Last Cal. Update   5/21/2021 10:30 AM
Analyst Name   ISP\datastor
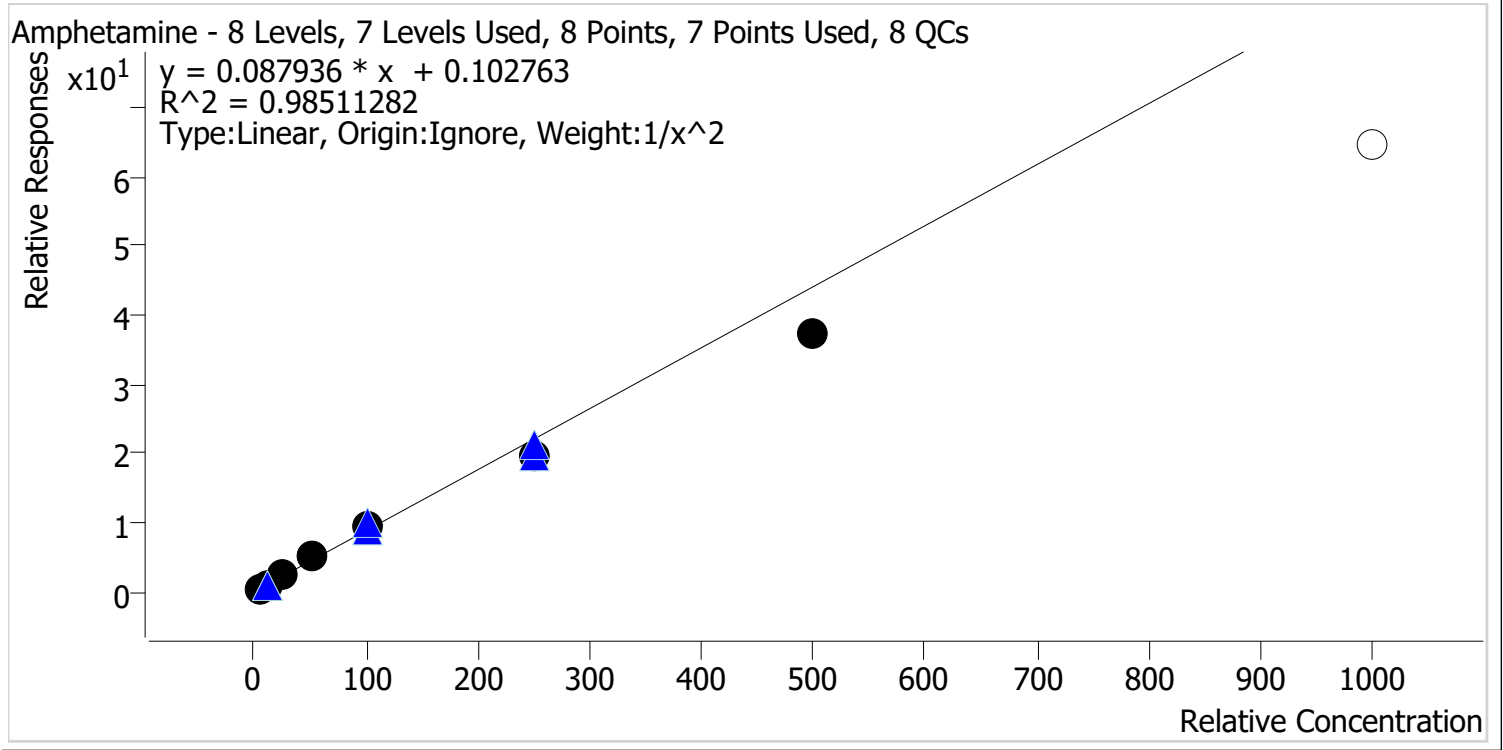**Analyte**   Amphetamine   **Internal Standard**   Amphetamine-D11

Amphetamine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 8 QCs

$y = 0.087936 * x + 0.102763$
$R^2 = 0.98511282$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	4.8	95.9
p1 Cal 2-10ng	2	✔	10.0	10.3	102.8
p1 Cal 3 -25ng	3	✔	25.0	26.7	106.7
p1 Cal 4-50ng	4	✔	50.0	56.9	113.8
p1 Cal 5-100ng	5	✔	100.0	106.6	106.6
p1 Cal 6-250ng	6	✔	250.0	224.3	89.7
p1 Cal 7-500ng	7	✔	500.0	422.6	84.5
p1 Cal 8-1000ng	8	✗	1000.0	735.1	73.5

Calibrator 8 dropped due to not meeting accuracy requirement.

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin
Last Cal. Update   5/21/2021 10:30 AM
Analyst Name   ISP\datastor
Analyte   Benzoylecgonine   **Internal Standard**   Benzoylecgonine-d8

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

$y = 0.026269 * x + 0.004184$
$R^2 = 0.99825606$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	5.1	101.9
p1 Cal 2-10ng	2	✔	10.0	9.8	98.2
p1 Cal 3 -25ng	3	✔	25.0	23.6	94.3
p1 Cal 4-50ng	4	✔	50.0	50.9	101.9
p1 Cal 5-100ng	5	✔	100.0	99.8	99.8
p1 Cal 6-250ng	6	✔	250.0	240.2	96.1
p1 Cal 7-500ng	7	✔	500.0	513.6	102.7
p1 Cal 8-1000ng	8	✔	1000.0	1051.3	105.1

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin
Last Cal. Update   5/21/2021 10:30 AM
Analyst Name   ISP\datastor
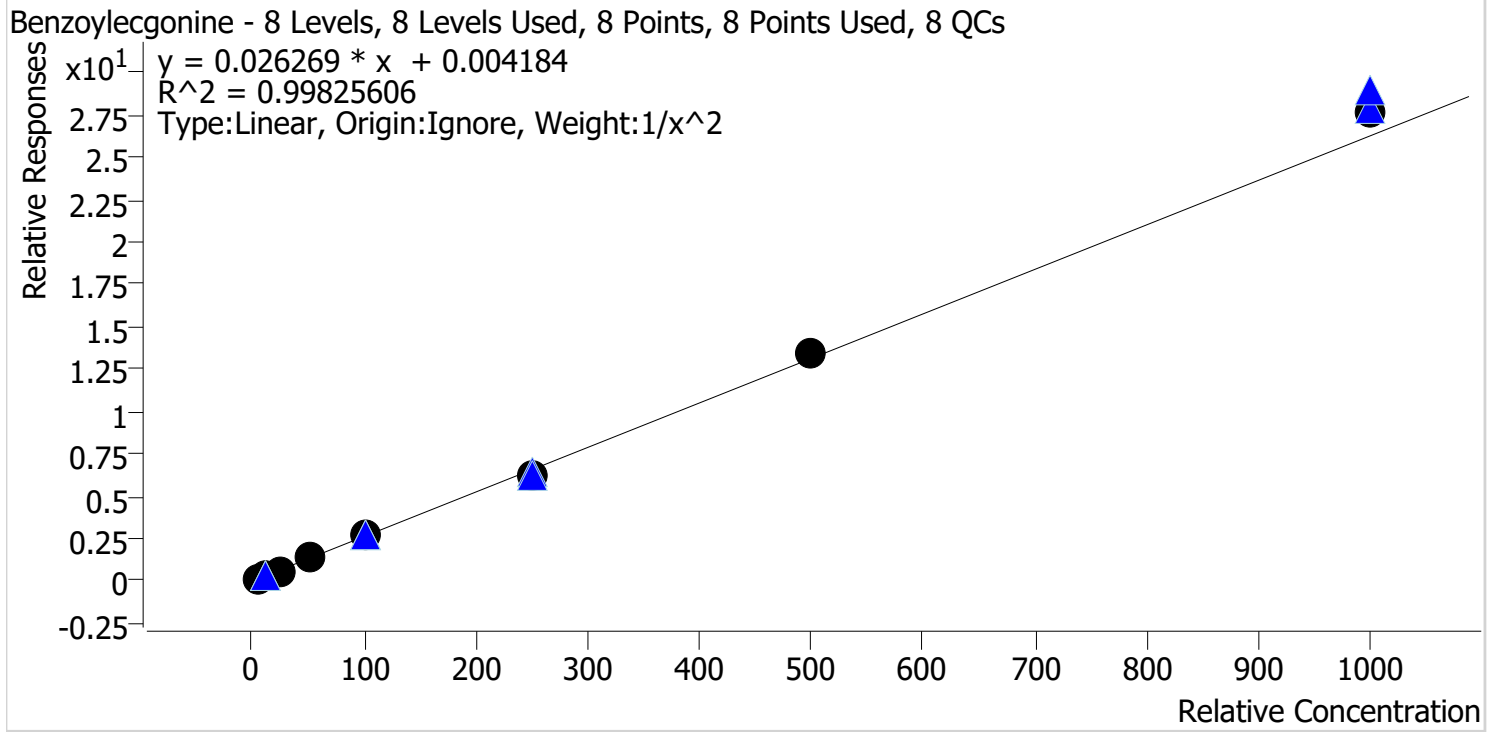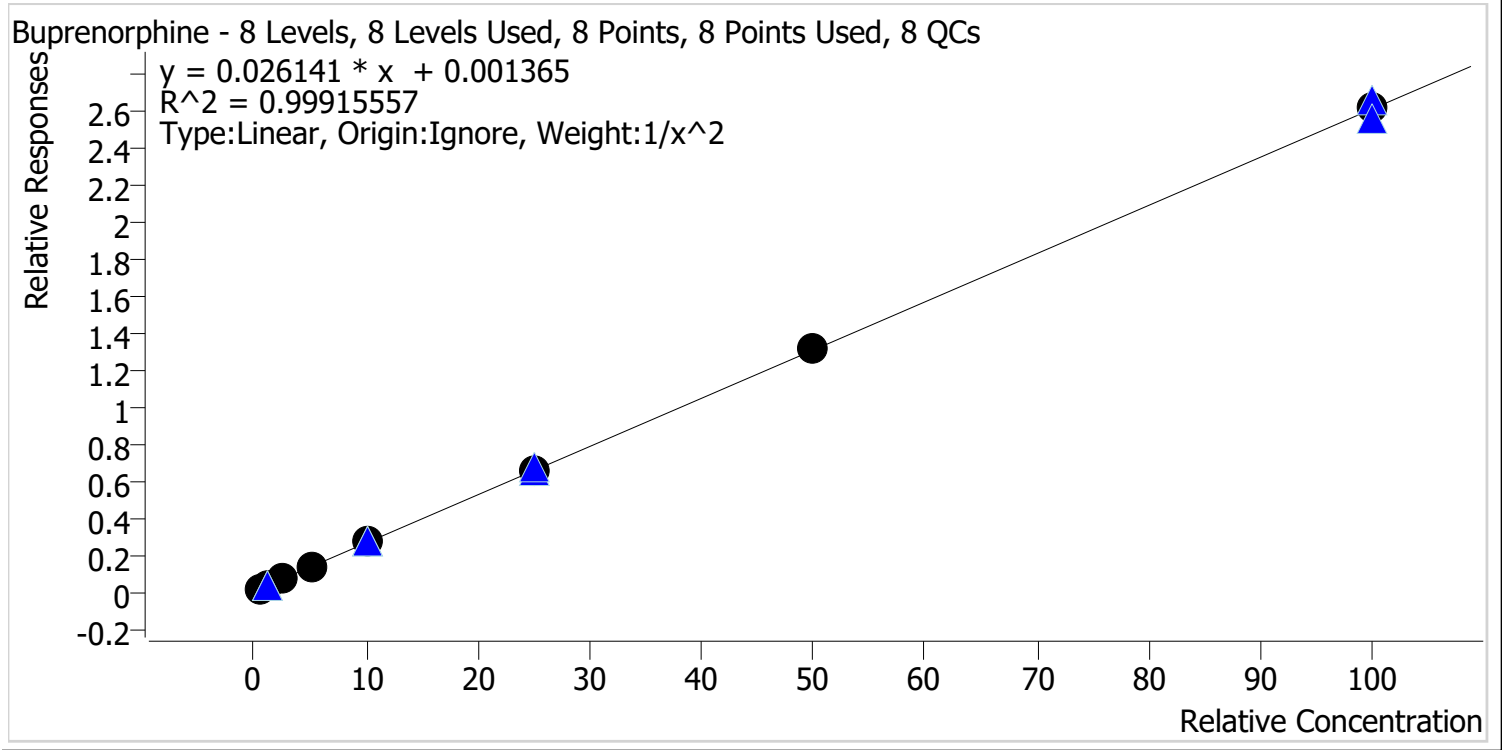**Analyte**   Buprenorphine   **Internal Standard**   Buprenorphine-D4

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

y = 0.026141 * x + 0.001365
R^2 = 0.99915557
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	0.5	0.5	101.3
p1 Cal 2-10ng	2	✔	1.0	1.0	99.2
p1 Cal 3 -25ng	3	✔	2.5	2.4	94.2
p1 Cal 4-50ng	4	✔	5.0	5.1	102.4
p1 Cal 5-100ng	5	✔	10.0	10.1	100.8
p1 Cal 6-250ng	6	✔	25.0	25.3	101.2
p1 Cal 7-500ng	7	✔	50.0	50.4	100.8
p1 Cal 8-1000ng	8	✔	100.0	100.2	100.2

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin
Last Cal. Update   5/21/2021 10:30 AM
Analyst Name   ISP\datastor
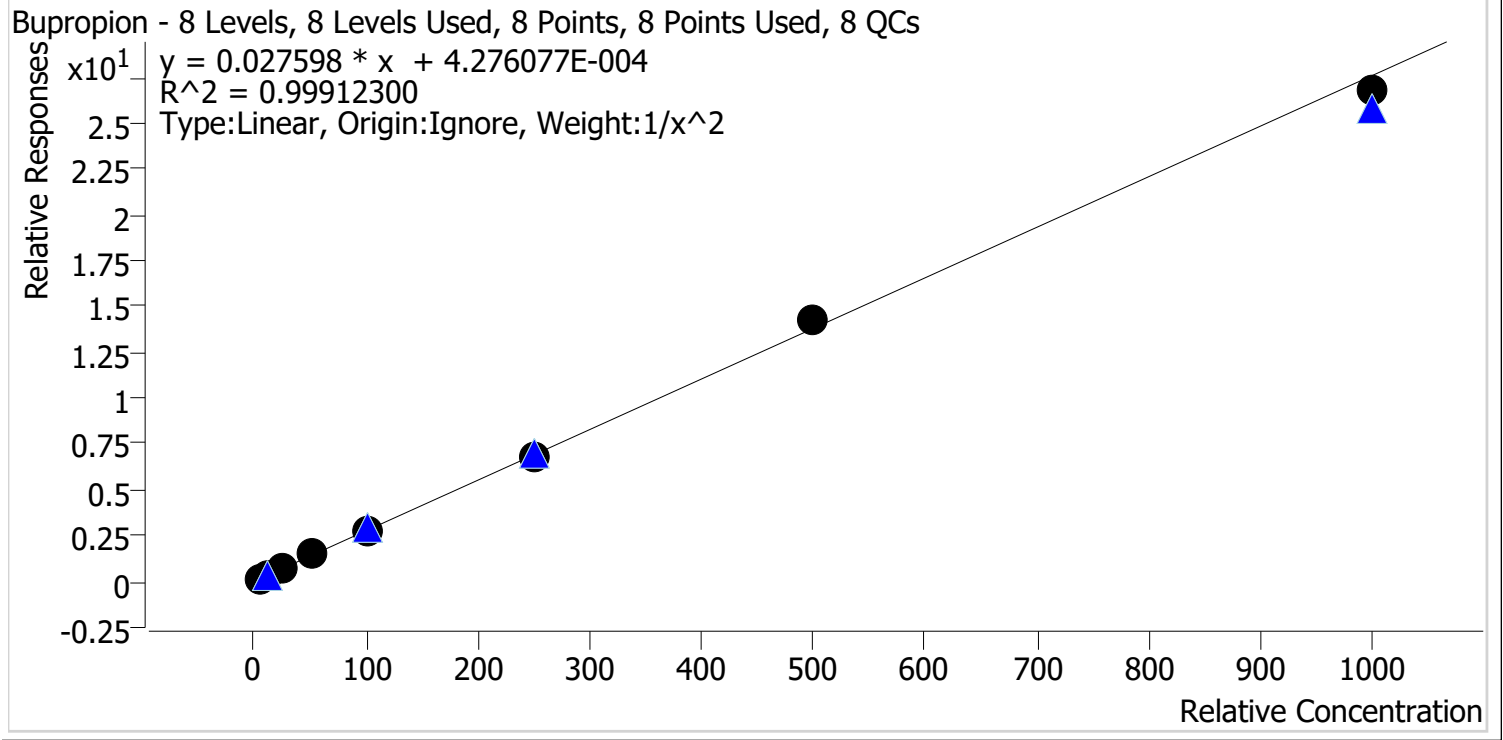**Analyte**   Bupropion   **Internal Standard**   Bupropion-D9

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

$y = 0.027598 * x + 4.276077E\text{-}004$
$R^2 = 0.99912300$
Type:Linear, Origin:Ignore, Weight:1/x^2

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	99.0
p1 Cal 3 -25ng	3	✔	25.0	24.3	97.3
p1 Cal 4-50ng	4	✔	50.0	52.1	104.1
p1 Cal 5-100ng	5	✔	100.0	99.9	99.9
p1 Cal 6-250ng	6	✔	250.0	247.0	98.8
p1 Cal 7-500ng	7	✔	500.0	516.1	103.2
p1 Cal 8-1000ng	8	✔	1000.0	970.3	97.0

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin
Last Cal. Update   5/21/2021 10:30 AM
Analyst Name   ISP\datastor
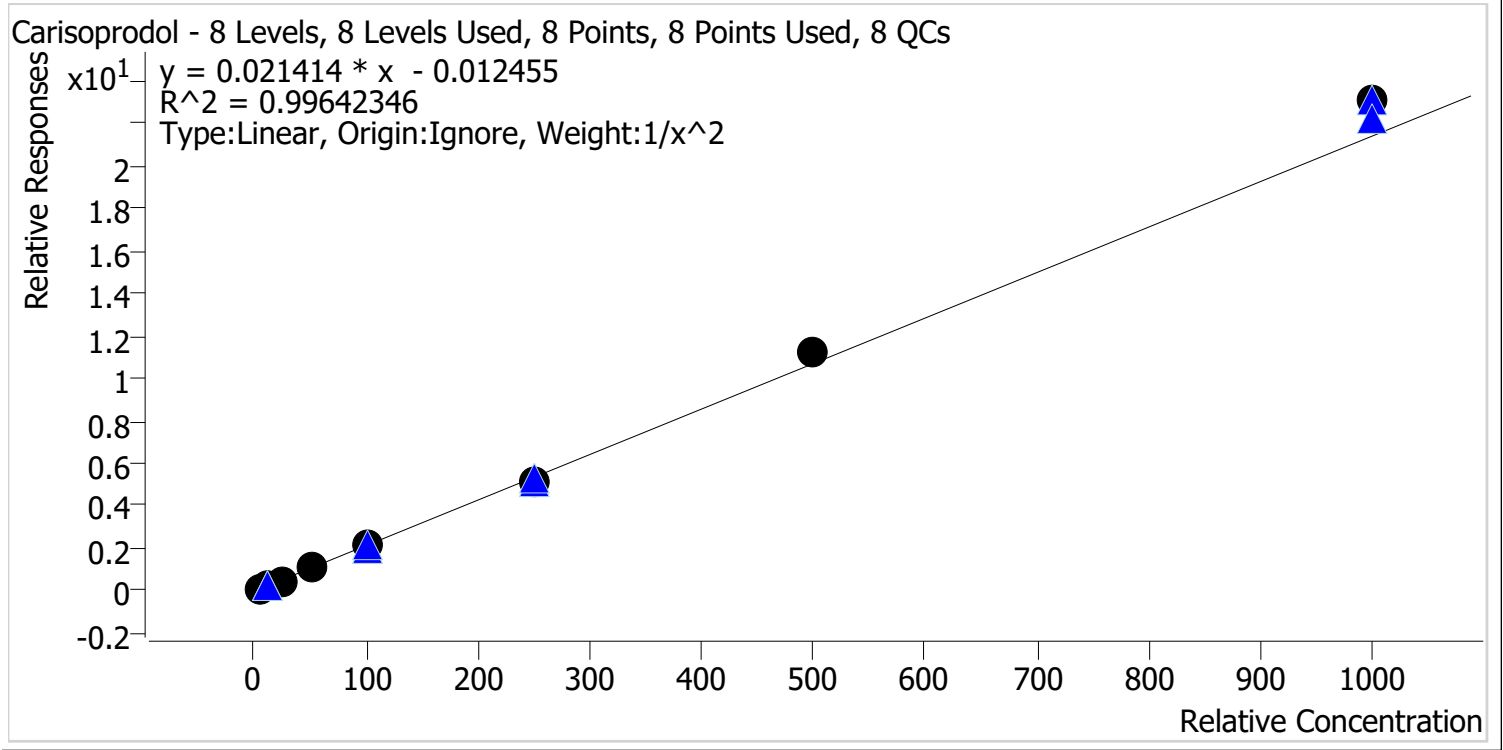**Analyte**   Carisoprodol   **Internal Standard**   Carisoprodol-D7

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

$y = 0.021414 * x - 0.012455$
$R^2 = 0.99642346$
Type:Linear, Origin:Ignore, Weight:1/x^2

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	9.9	98.8
p1 Cal 3 -25ng	3	✔	25.0	22.8	91.2
p1 Cal 4-50ng	4	✔	50.0	50.0	100.0
p1 Cal 5-100ng	5	✔	100.0	97.7	97.7
p1 Cal 6-250ng	6	✔	250.0	241.9	96.7
p1 Cal 7-500ng	7	✔	500.0	527.7	105.5
p1 Cal 8-1000ng	8	✔	1000.0	1075.8	107.6

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin
Last Cal. Update   5/21/2021 10:30 AM
Analyst Name   ISP\datastor
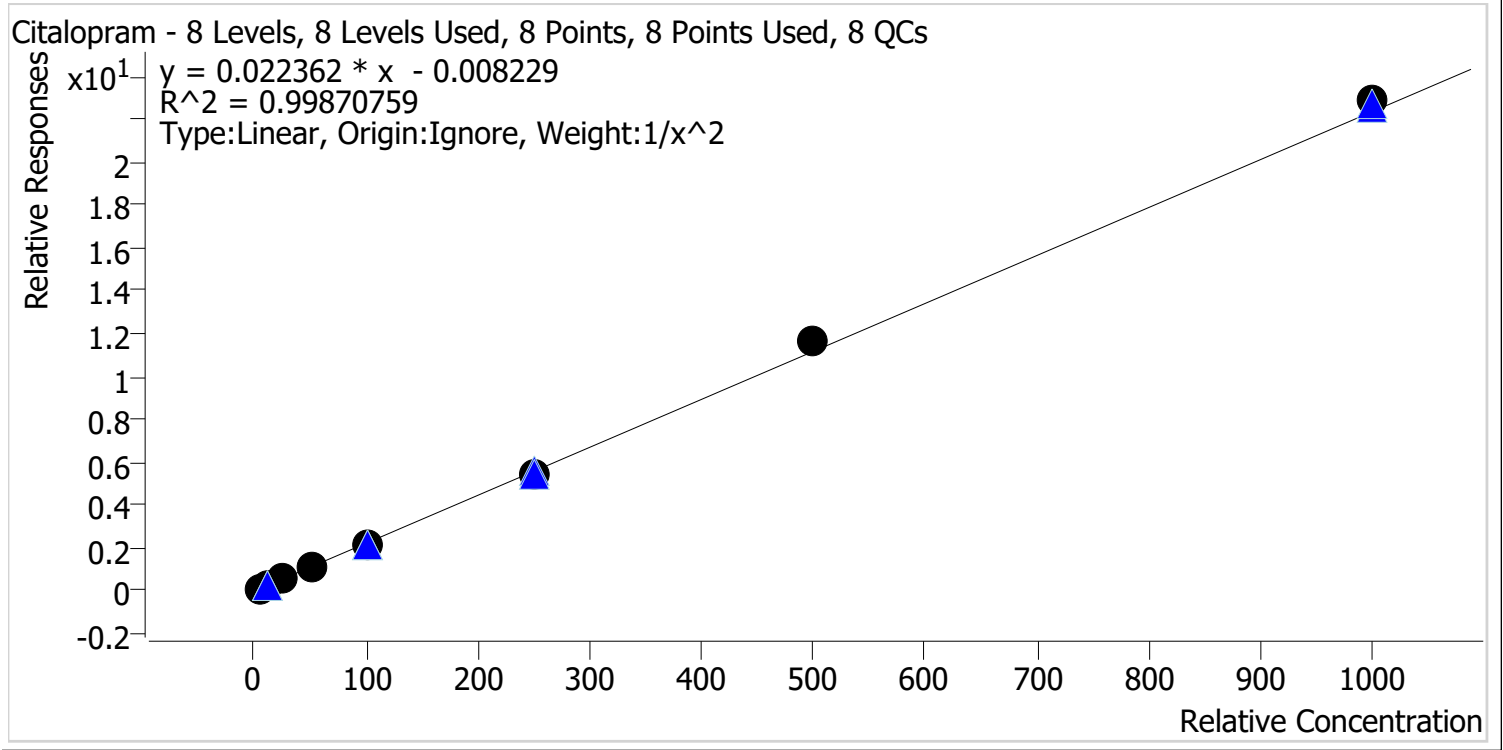**Analyte**   Citalopram   **Internal Standard**   Citalopram-D6

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

$y = 0.022362 * x - 0.008229$
$R^2 = 0.99870759$
Type:Linear, Origin:Ignore, Weight:1/x^2

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	98.1
p1 Cal 3 -25ng	3	✔	25.0	24.0	95.8
p1 Cal 4-50ng	4	✔	50.0	51.1	102.1
p1 Cal 5-100ng	5	✔	100.0	96.8	96.8
p1 Cal 6-250ng	6	✔	250.0	246.3	98.5
p1 Cal 7-500ng	7	✔	500.0	523.3	104.7
p1 Cal 8-1000ng	8	✔	1000.0	1023.1	102.3

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 5/21/2021 10:30 AM
Analyst Name ISP\datastor
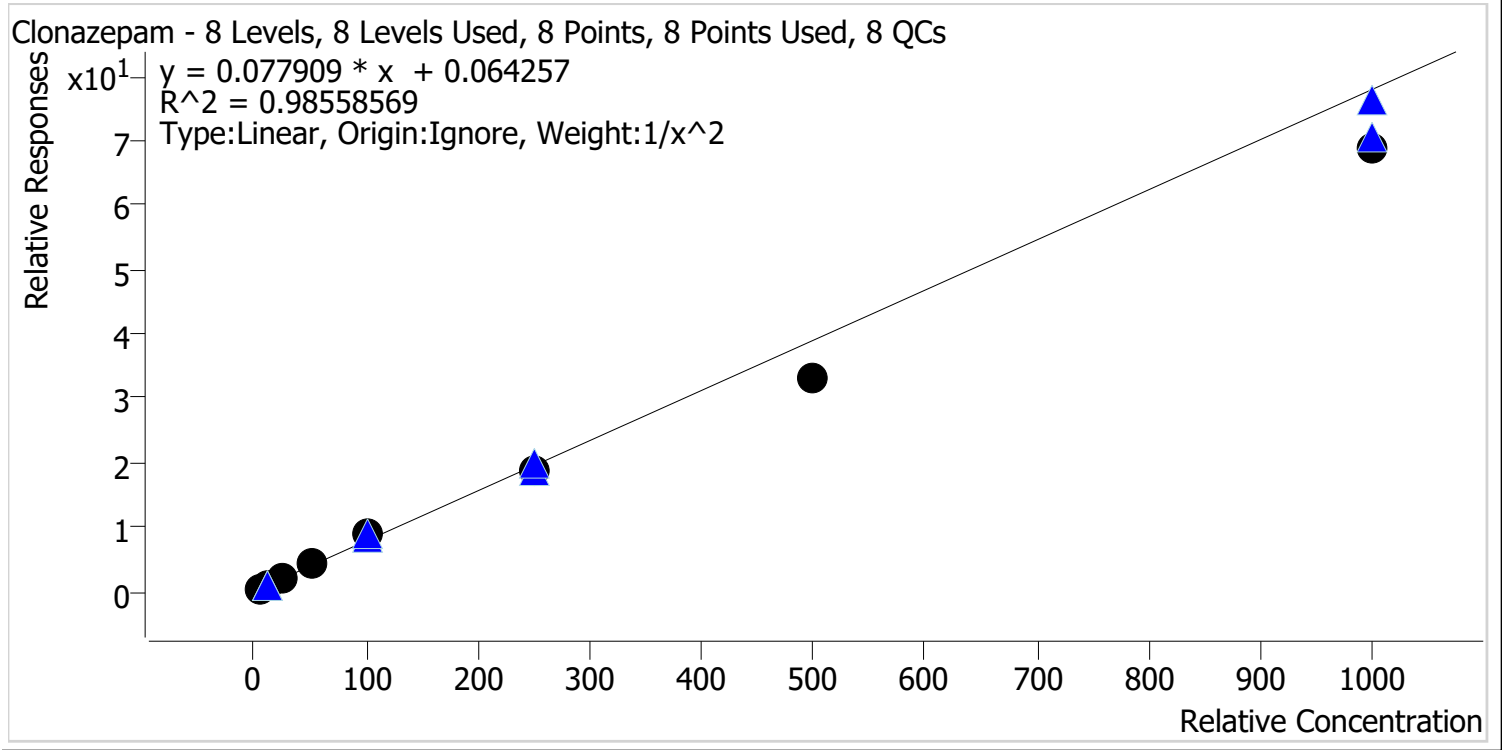**Analyte** Clonazepam   **Internal Standard** Clonazepam-D4

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

$y = 0.077909 * x + 0.064257$
$R^2 = 0.98558569$
Type:Linear, Origin:Ignore, Weight:1/x^2

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	10.3	103.1
p1 Cal 3 -25ng	3	✔	25.0	26.5	106.0
p1 Cal 4-50ng	4	✔	50.0	57.1	114.3
p1 Cal 5-100ng	5	✔	100.0	111.0	111.0
p1 Cal 6-250ng	6	✔	250.0	242.2	96.9
p1 Cal 7-500ng	7	✔	500.0	423.4	84.7
p1 Cal 8-1000ng	8	✔	1000.0	884.1	88.4

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin
Last Cal. Update   5/21/2021 10:30 AM
Analyst Name   ISP\datastor
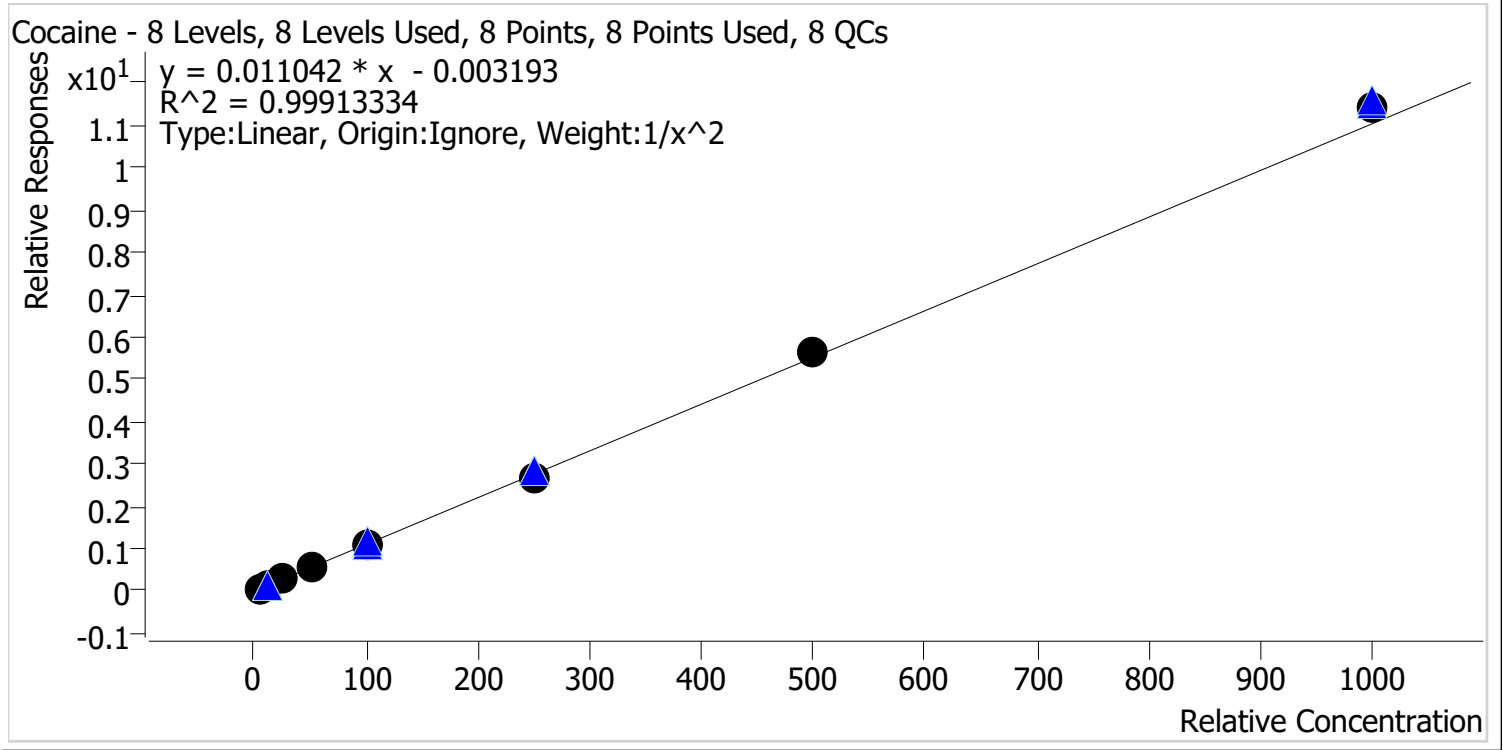**Analyte**   Cocaine   **Internal Standard**   Cocaine-d3

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

$y = 0.011042 * x - 0.003193$
$R^2 = 0.99913334$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	5.1	101.0
p1 Cal 2-10ng	2	✔	10.0	9.9	99.2
p1 Cal 3 -25ng	3	✔	25.0	24.1	96.4
p1 Cal 4-50ng	4	✔	50.0	50.7	101.5
p1 Cal 5-100ng	5	✔	100.0	99.0	99.0
p1 Cal 6-250ng	6	✔	250.0	242.4	97.0
p1 Cal 7-500ng	7	✔	500.0	511.0	102.2
p1 Cal 8-1000ng	8	✔	1000.0	1037.2	103.7

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin
Last Cal. Update   5/21/2021 10:30 AM
Analyst Name   ISP\datastor
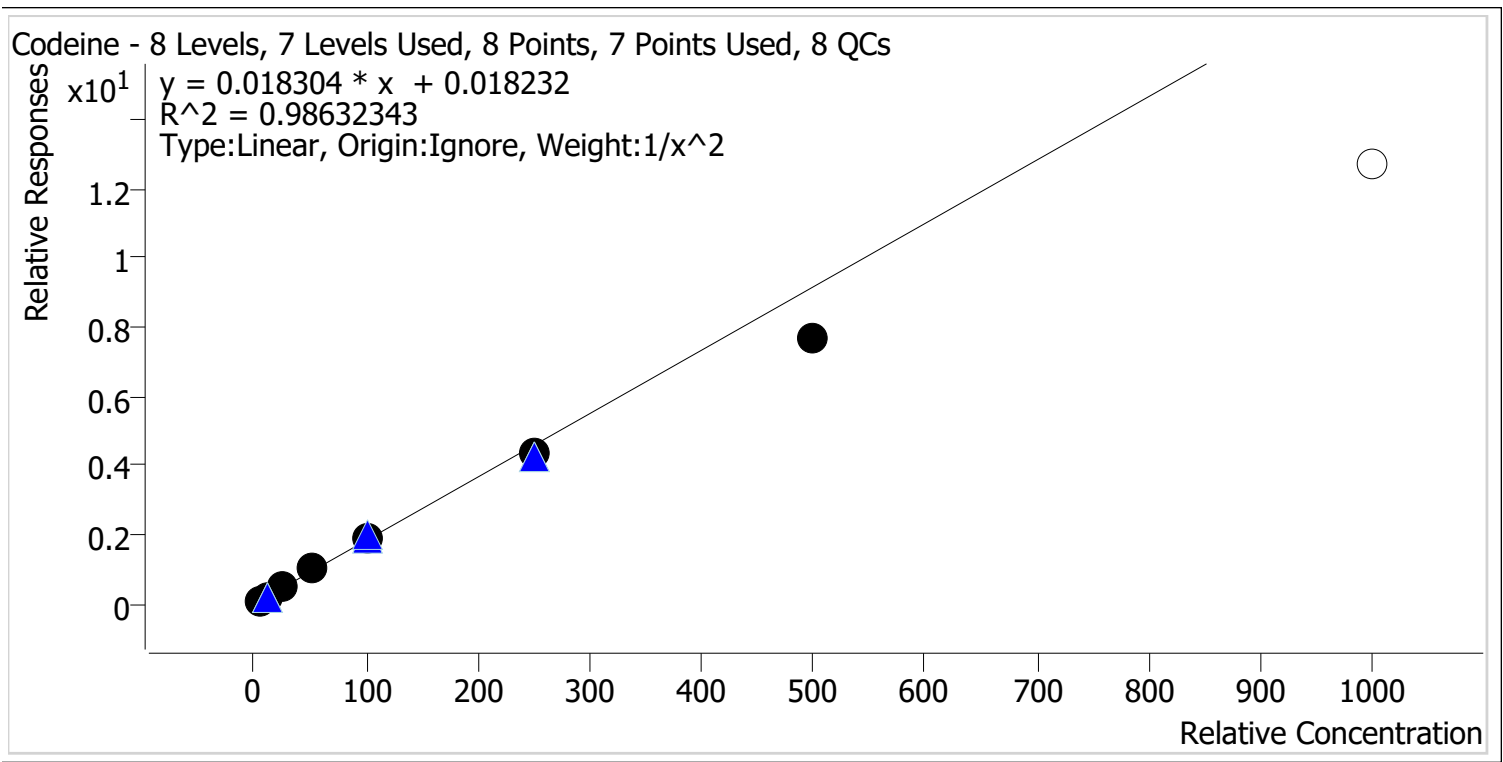**Analyte**   Codeine   **Internal Standard**   Codeine-D6

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

$y = 0.018304 * x + 0.018232$
$R^2 = 0.98632343$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

Relative Responses ($\times 10^1$) vs Relative Concentration

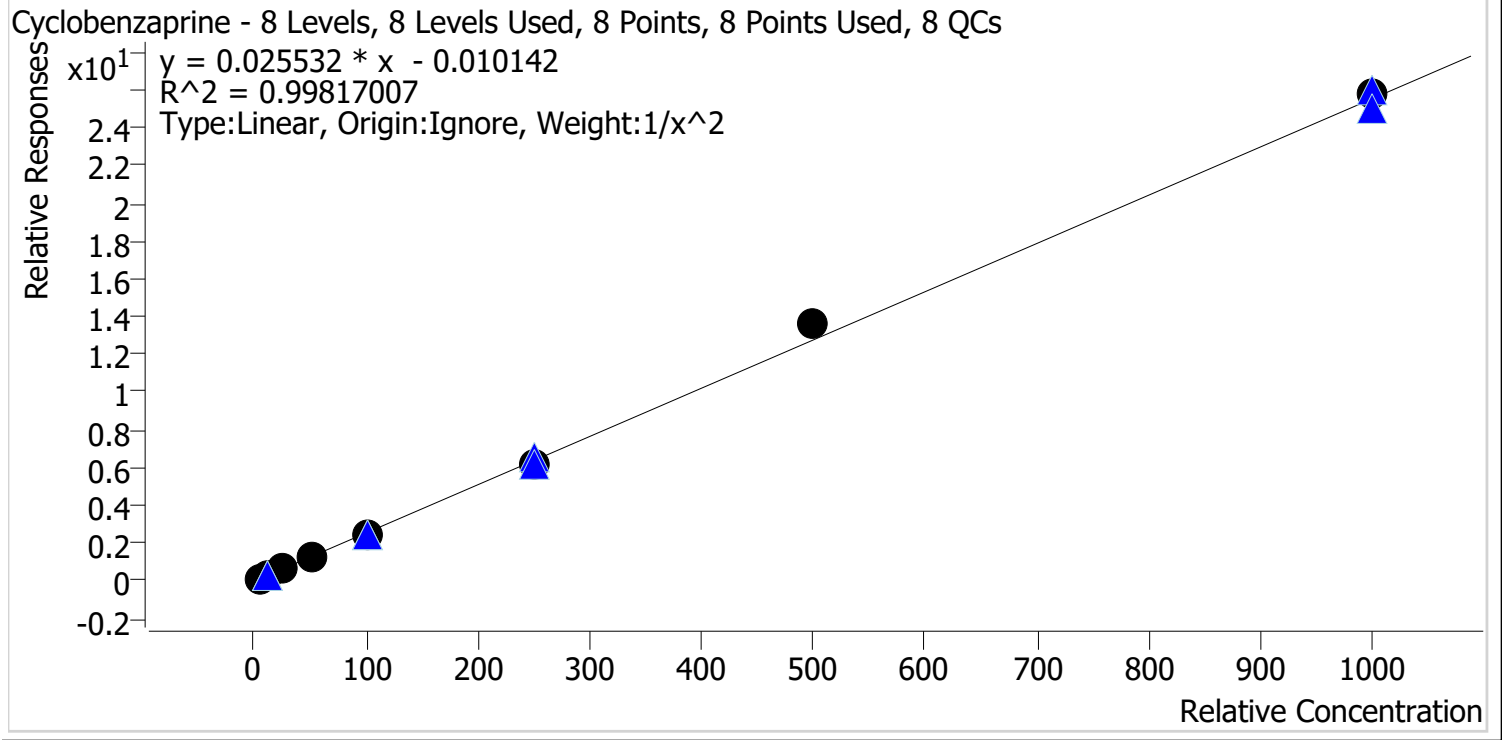| Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	4.8	96.8
p1 Cal 2-10ng	2	✔	10.0	10.1	101.5
p1 Cal 3 -25ng	3	✔	25.0	26.4	105.5
p1 Cal 4-50ng	4	✔	50.0	57.6	115.3
p1 Cal 5-100ng	5	✔	100.0	103.4	103.4
p1 Cal 6-250ng	6	✔	250.0	235.3	94.1
p1 Cal 7-500ng	7	✔	500.0	417.4	83.5
p1 Cal 8-1000ng	8	✗	1000.0	696.1	69.6

Calibrator 8 dropped due to not meeting accuracy requirement.

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin
Last Cal. Update   5/21/2021 10:30 AM
Analyst Name   ISP\datastor
Analyte   Cyclobenzaprine   **Internal Standard**   Cyclobenzaprine-D3

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

$y = 0.025532 * x - 0.010142$
$R^2 = 0.99817007$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	5.1	102.1
p1 Cal 2-10ng	2	✔	10.0	9.7	97.0
p1 Cal 3 -25ng	3	✔	25.0	24.1	96.3
p1 Cal 4-50ng	4	✔	50.0	51.2	102.4
p1 Cal 5-100ng	5	✔	100.0	96.8	96.8
p1 Cal 6-250ng	6	✔	250.0	243.2	97.3
p1 Cal 7-500ng	7	✔	500.0	533.7	106.7
p1 Cal 8-1000ng	8	✔	1000.0	1012.8	101.3

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 5/21/2021 10:30 AM
Analyst Name ISP\datastor
Analyte Dextromethorphan   **Internal Standard** Dextromethorphan-D3
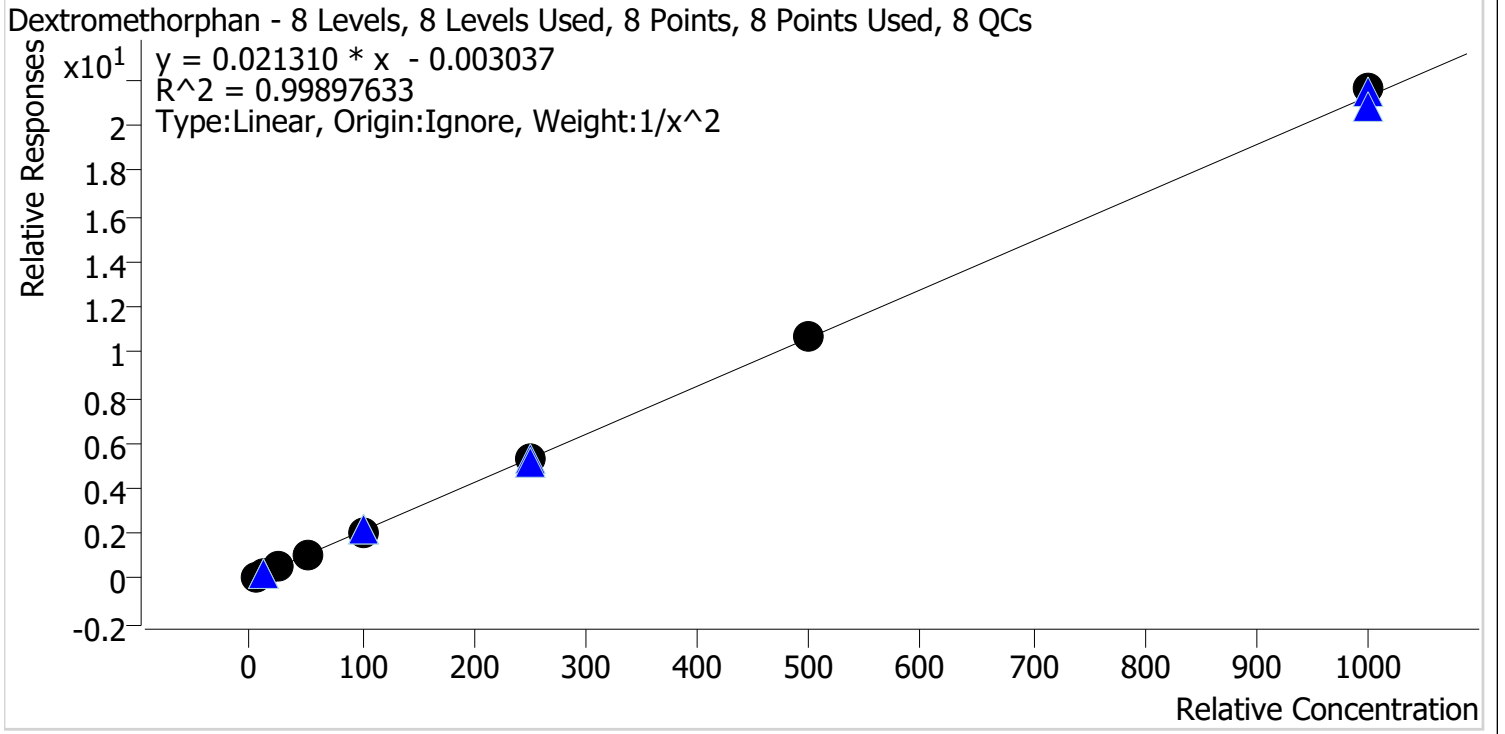
Dextromethorphan - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 8 QCs

$y = 0.021310 * x - 0.003037$
$R^2 = 0.99897633$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

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	9.6	95.7
p1 Cal 3 -25ng	3	✔	25.0	24.3	97.3
p1 Cal 4-50ng	4	✔	50.0	52.0	104.1
p1 Cal 5-100ng	5	✔	100.0	98.5	98.5
p1 Cal 6-250ng	6	✔	250.0	249.6	99.9
p1 Cal 7-500ng	7	✔	500.0	503.3	100.7
p1 Cal 8-1000ng	8	✔	1000.0	1016.2	101.6

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin

Last Cal. Update   5/21/2021 10:30 AM

Analyst Name   ISP\datastor

Analyte   Dextrorphan   **Internal Standard**   Dextrorphan-D3
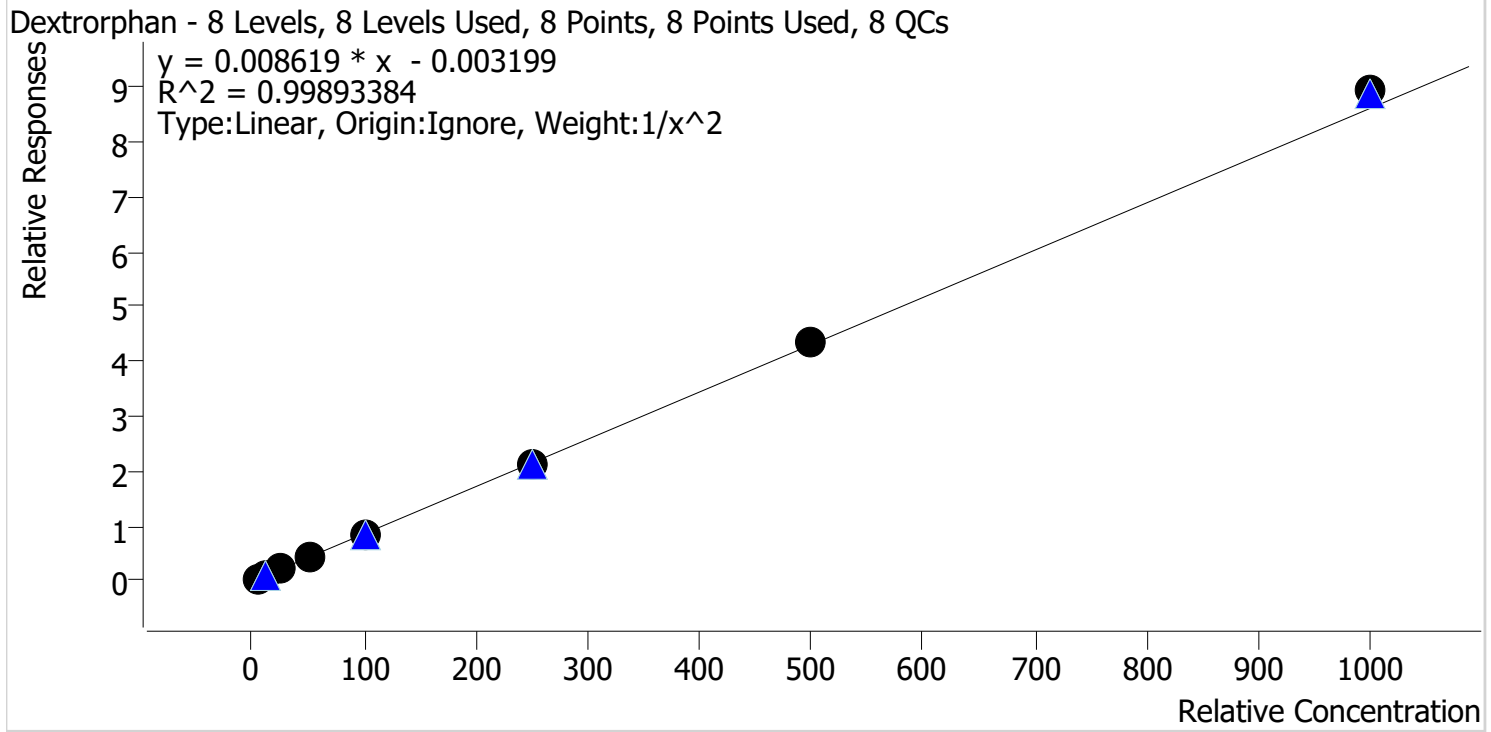
Dextrorphan - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 8 QCs

$y = 0.008619 * x - 0.003199$
$R^2 = 0.99893384$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	5.1	101.2
p1 Cal 2-10ng	2	✔	10.0	9.9	99.2
p1 Cal 3 -25ng	3	✔	25.0	23.8	95.1
p1 Cal 4-50ng	4	✔	50.0	51.4	102.8
p1 Cal 5-100ng	5	✔	100.0	99.3	99.3
p1 Cal 6-250ng	6	✔	250.0	243.5	97.4
p1 Cal 7-500ng	7	✔	500.0	506.4	101.3
p1 Cal 8-1000ng	8	✔	1000.0	1037.5	103.8

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin
Last Cal. Update   5/21/2021 10:30 AM
Analyst Name   ISP\datastor
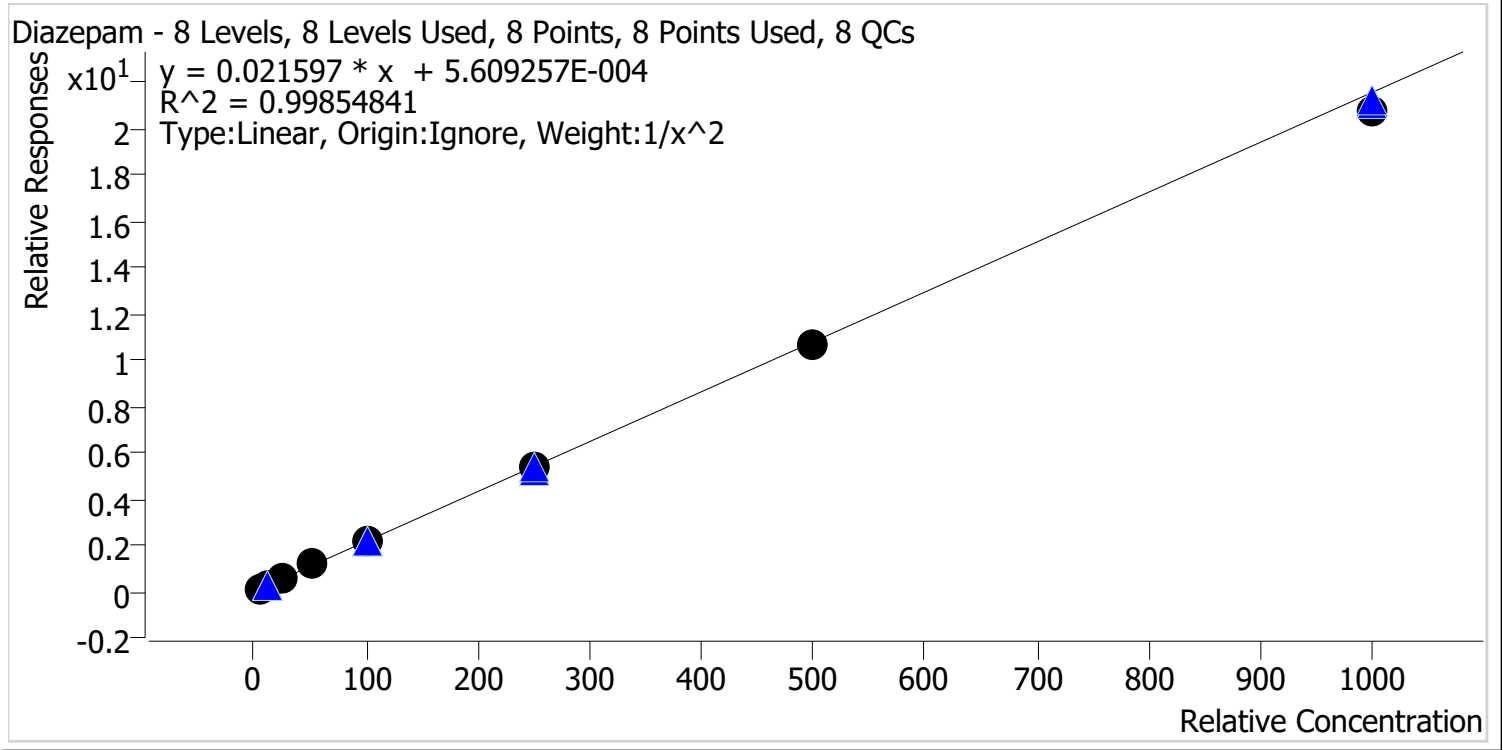**Analyte**   Diazepam   **Internal Standard**   Diazepam-D5

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

$y = 0.021597 * x + 5.609257E\text{-}004$
$R^2 = 0.99854841$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	5.0	101.0
p1 Cal 2-10ng	2	✔	10.0	9.8	97.6
p1 Cal 3 -25ng	3	✔	25.0	24.3	97.4
p1 Cal 4-50ng	4	✔	50.0	53.4	106.8
p1 Cal 5-100ng	5	✔	100.0	101.6	101.6
p1 Cal 6-250ng	6	✔	250.0	250.0	100.0
p1 Cal 7-500ng	7	✔	500.0	496.3	99.3
p1 Cal 8-1000ng	8	✔	1000.0	963.5	96.3

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 5/21/2021 10:30 AM
Analyst Name   ISP\datastor
Analyte   Dihydrocodeine   **Internal Standard**   Dihydrocodeine-D6
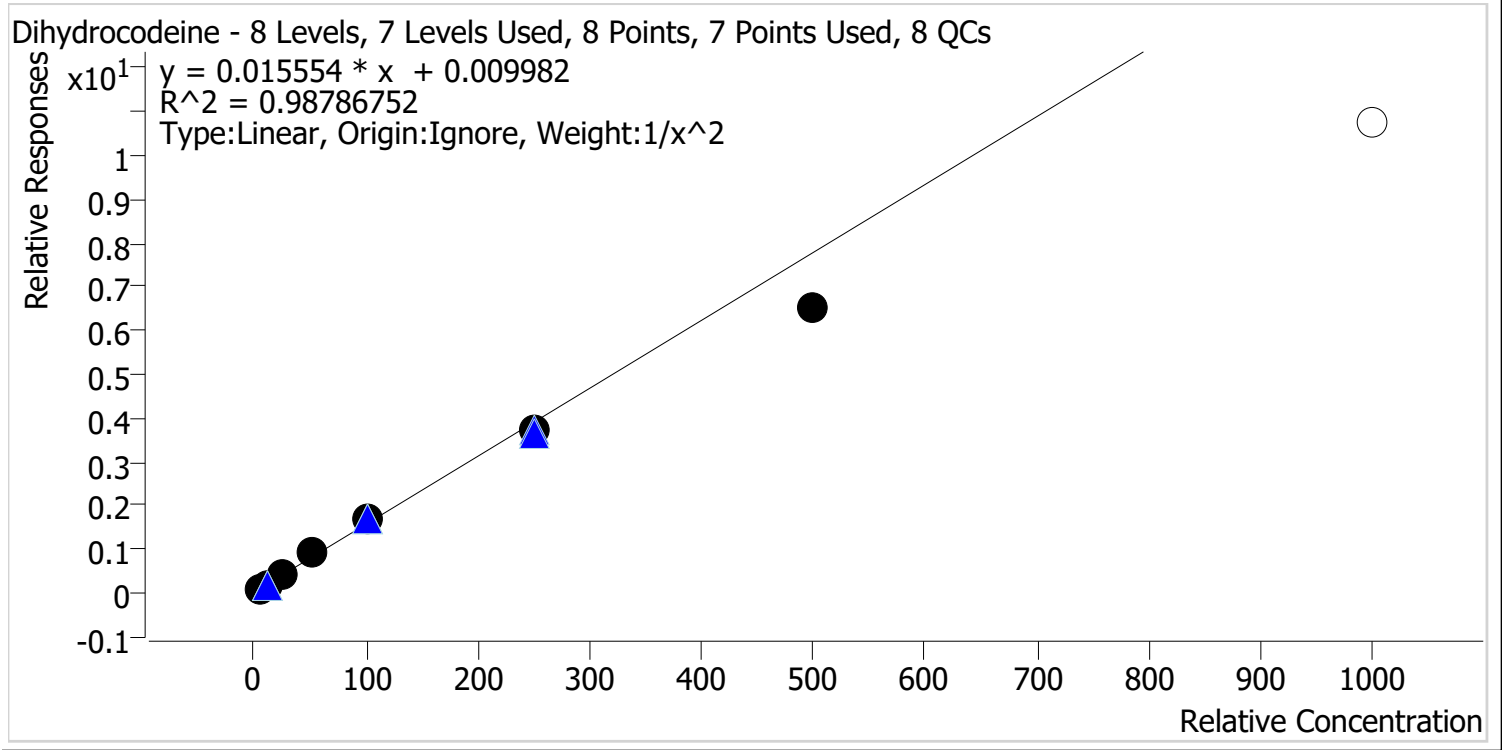
Dihydrocodeine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 8 QCs

$y = 0.015554 * x + 0.009982$
$R^2 = 0.98786752$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	4.9	97.1
p1 Cal 2-10ng	2	✔	10.0	10.1	101.1
p1 Cal 3 -25ng	3	✔	25.0	26.3	105.4
p1 Cal 4-50ng	4	✔	50.0	56.2	112.5
p1 Cal 5-100ng	5	✔	100.0	105.6	105.6
p1 Cal 6-250ng	6	✔	250.0	237.4	95.0
p1 Cal 7-500ng	7	✔	500.0	416.9	83.4
p1 Cal 8-1000ng	8	✗	1000.0	690.0	69.0

Calibrator 8 dropped due to not meeting accuracy requirement.

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin

Last Cal. Update   5/21/2021 10:30 AM

Analyst Name   ISP\datastor

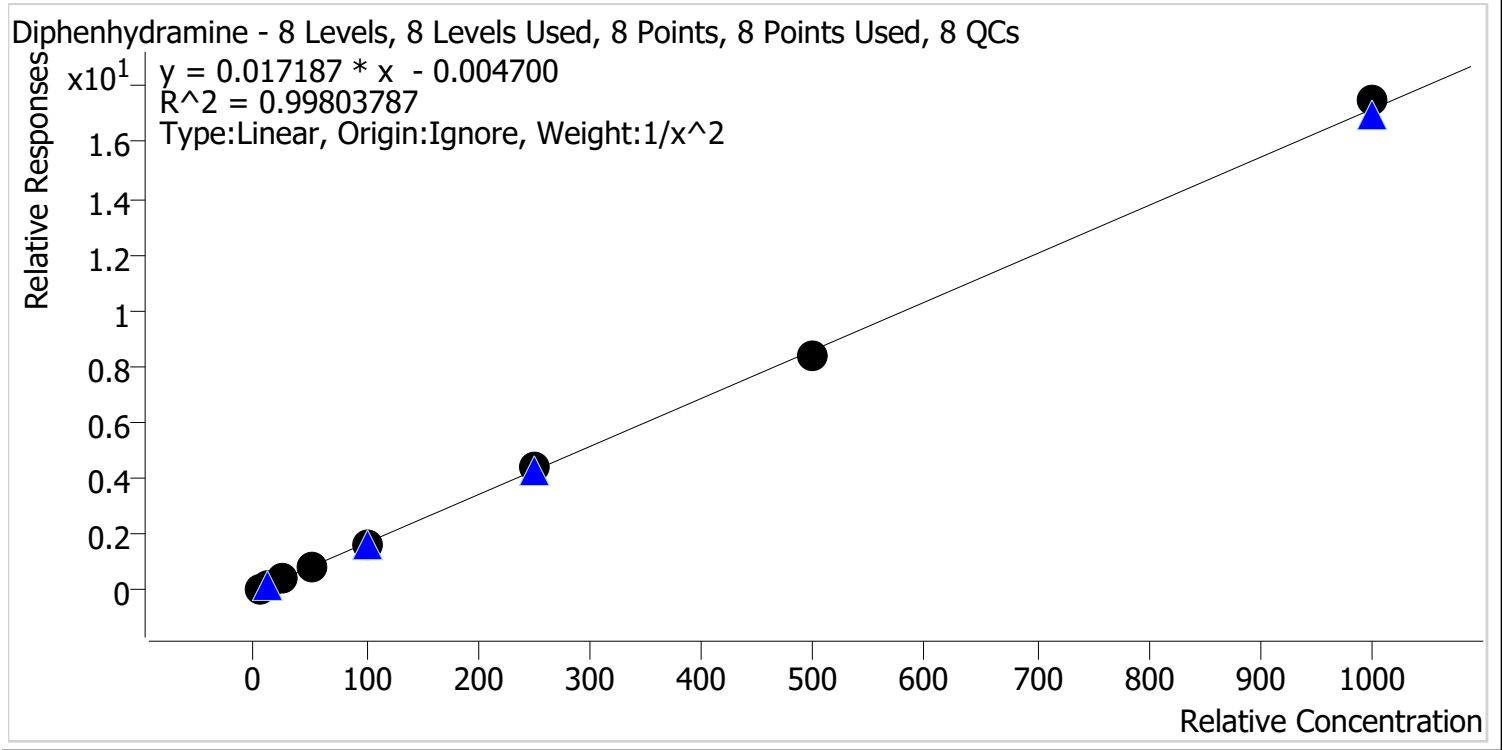**Analyte**   Diphenhydramine   **Internal Standard**   Diphenhydramine-D3

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

$y = 0.017187 * x - 0.004700$

$R^2 = 0.99803787$

Type:Linear, Origin:Ignore, Weight:1/x^2

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	9.5	95.4
p1 Cal 3 -25ng	3	✔	25.0	23.6	94.3
p1 Cal 4-50ng	4	✔	50.0	52.1	104.1
p1 Cal 5-100ng	5	✔	100.0	99.7	99.7
p1 Cal 6-250ng	6	✔	250.0	260.0	104.0
p1 Cal 7-500ng	7	✔	500.0	488.7	97.7
p1 Cal 8-1000ng	8	✔	1000.0	1017.6	101.8

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin
Last Cal. Update   5/21/2021 10:30 AM
Analyst Name   ISP\datastor
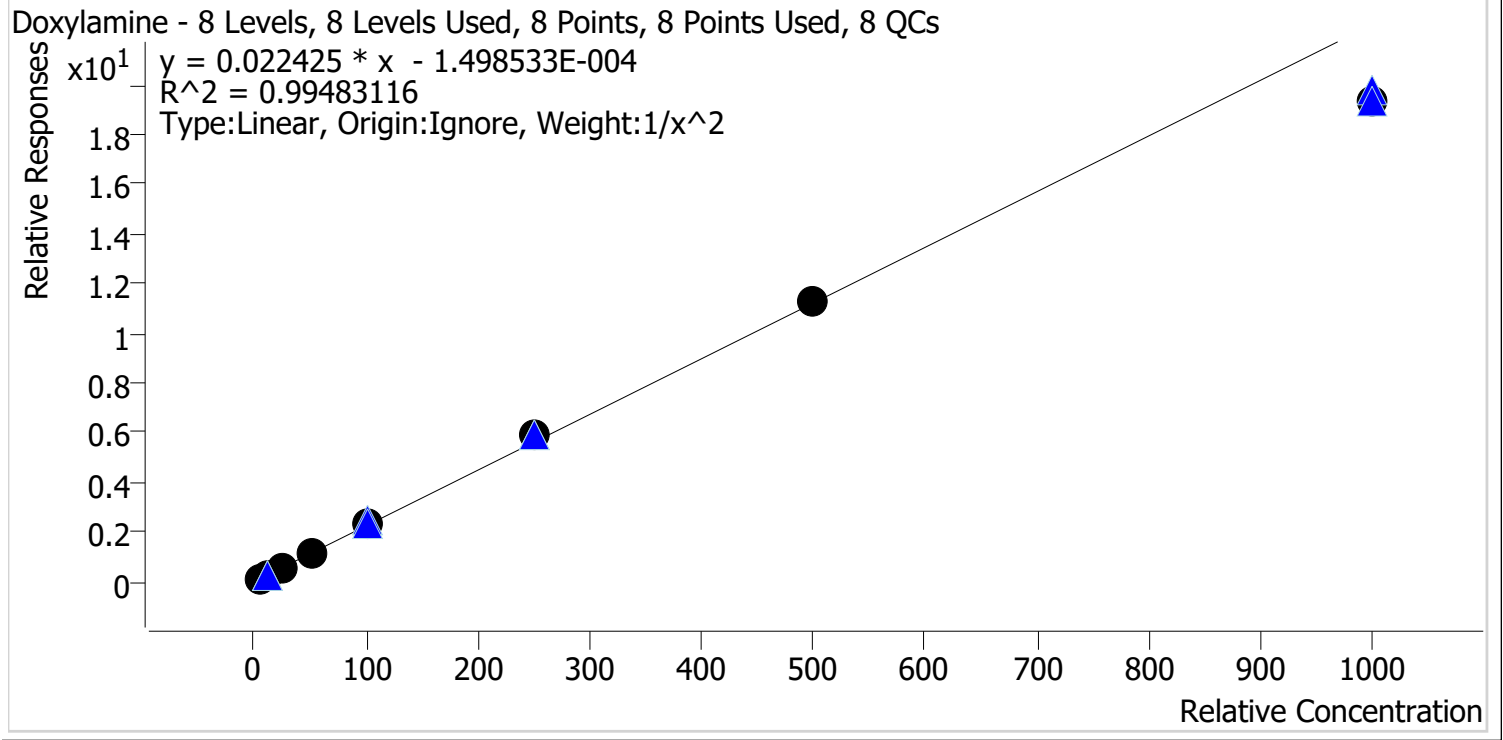**Analyte**   Doxylamine   **Internal Standard**   Doxylamine-D5

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

$y = 0.022425 * x - 1.498533E{-}004$
$R\char`^2 = 0.99483116$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	5.0	99.3
p1 Cal 2-10ng	2	✔	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✔	25.0	24.9	99.5
p1 Cal 4-50ng	4	✔	50.0	53.2	106.4
p1 Cal 5-100ng	5	✔	100.0	103.3	103.3
p1 Cal 6-250ng	6	✔	250.0	263.2	105.3
p1 Cal 7-500ng	7	✔	500.0	501.2	100.2
p1 Cal 8-1000ng	8	✔	1000.0	860.8	86.1

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin
Last Cal. Update   5/21/2021 10:30 AM
Analyst Name   ISP\datastor
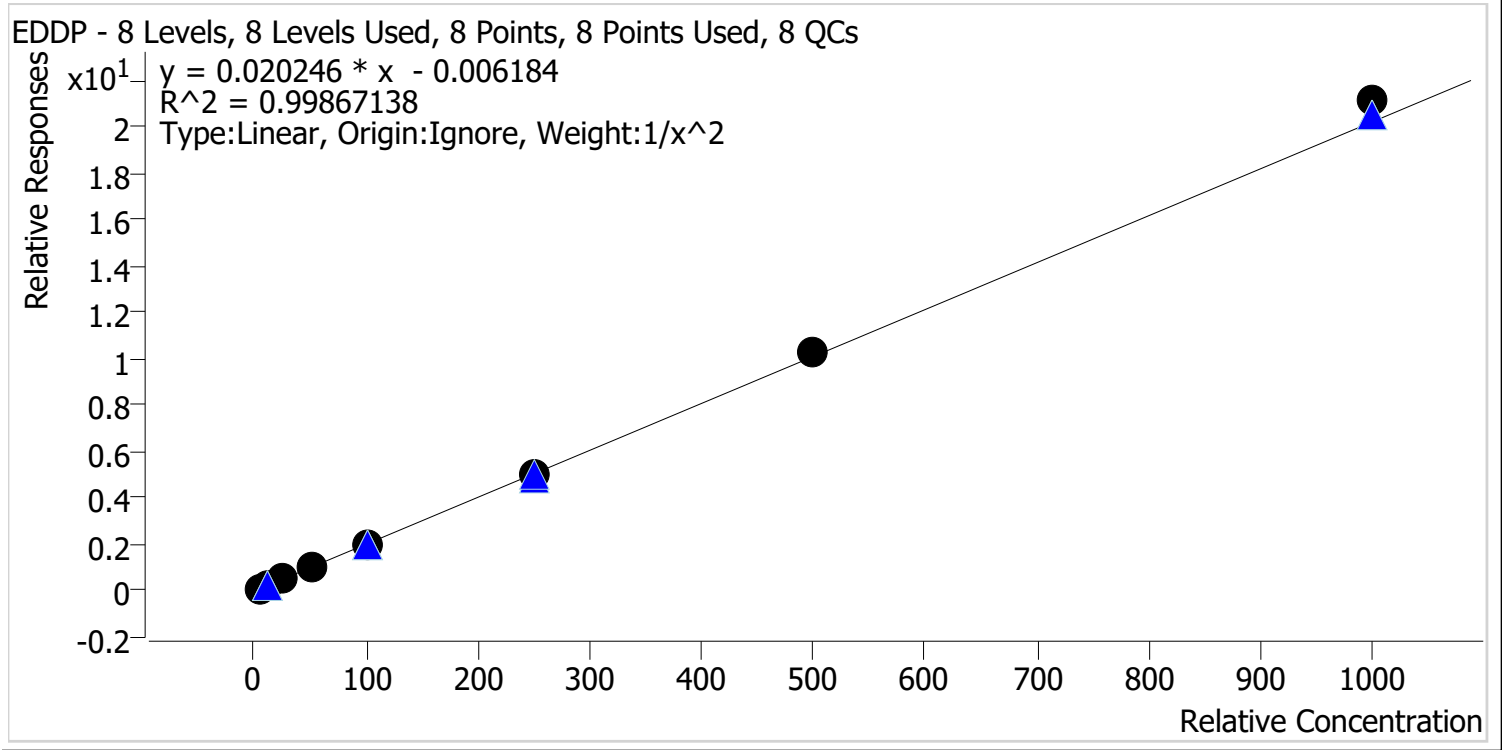**Analyte**   EDDP   **Internal Standard**   EDDP-D3

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

$y = 0.020246 * x - 0.006184$
$R^2 = 0.99867138$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	5.1	102.3
p1 Cal 2-10ng	2	✔	10.0	9.7	97.3
p1 Cal 3 -25ng	3	✔	25.0	23.7	94.7
p1 Cal 4-50ng	4	✔	50.0	51.0	102.0
p1 Cal 5-100ng	5	✔	100.0	98.6	98.6
p1 Cal 6-250ng	6	✔	250.0	247.5	99.0
p1 Cal 7-500ng	7	✔	500.0	507.9	101.6
p1 Cal 8-1000ng	8	✔	1000.0	1045.5	104.5

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin
Last Cal. Update   5/21/2021 10:30 AM
Analyst Name   ISP\datastor
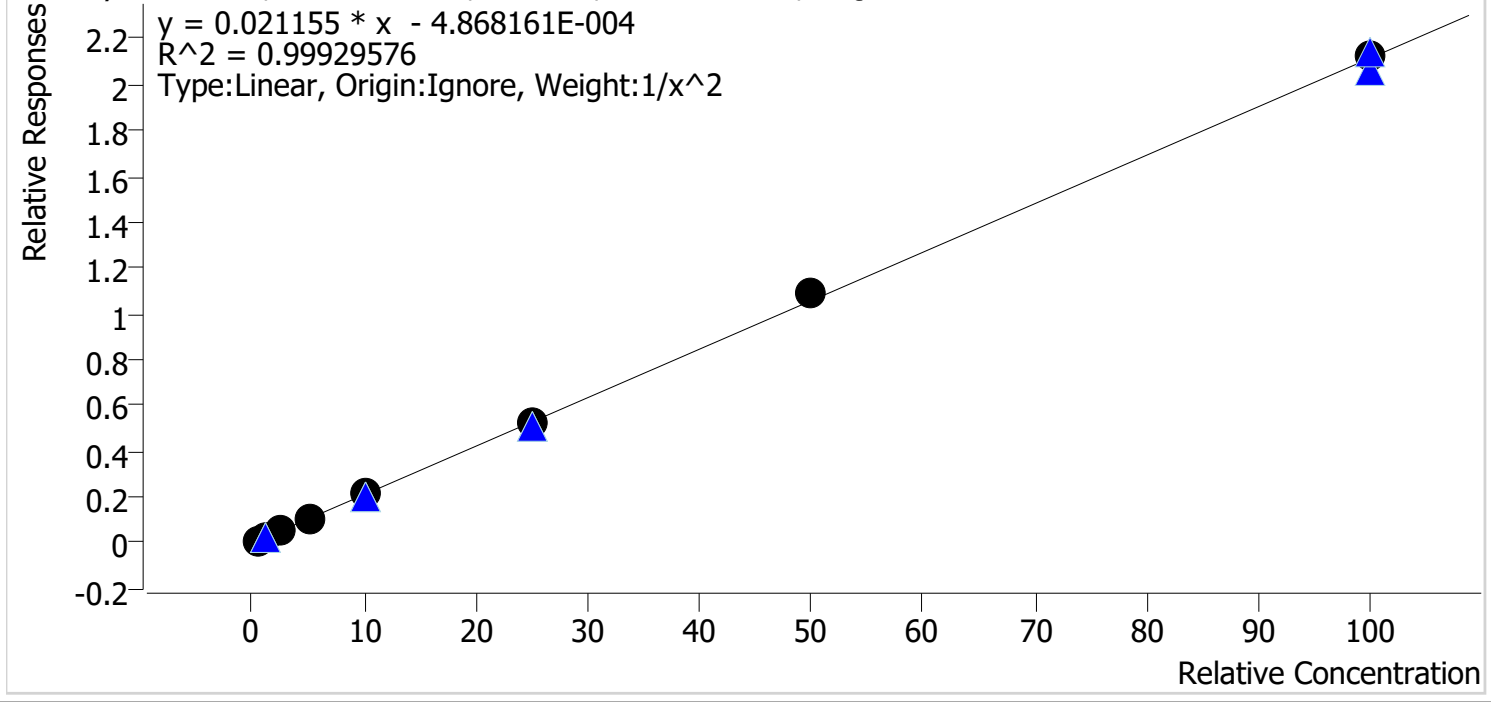**Analyte**   Fentanyl   **Internal Standard**   Fentanyl-D5

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

$y = 0.021155 * x - 4.868161E\text{-}004$
$R\char`^2 = 0.99929576$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	0.5	0.5	100.3
p1 Cal 2-10ng	2	✔	1.0	1.0	101.2
p1 Cal 3 -25ng	3	✔	2.5	2.4	95.0
p1 Cal 4-50ng	4	✔	5.0	5.0	100.5
p1 Cal 5-100ng	5	✔	10.0	9.9	99.4
p1 Cal 6-250ng	6	✔	25.0	25.0	100.2
p1 Cal 7-500ng	7	✔	50.0	51.5	103.1
p1 Cal 8-1000ng	8	✔	100.0	100.3	100.3

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin

Last Cal. Update   5/21/2021 10:30 AM

Analyst Name   ISP\datastor

Analyte   Fluoxetine   **Internal Standard**   Fluoxetine-D6
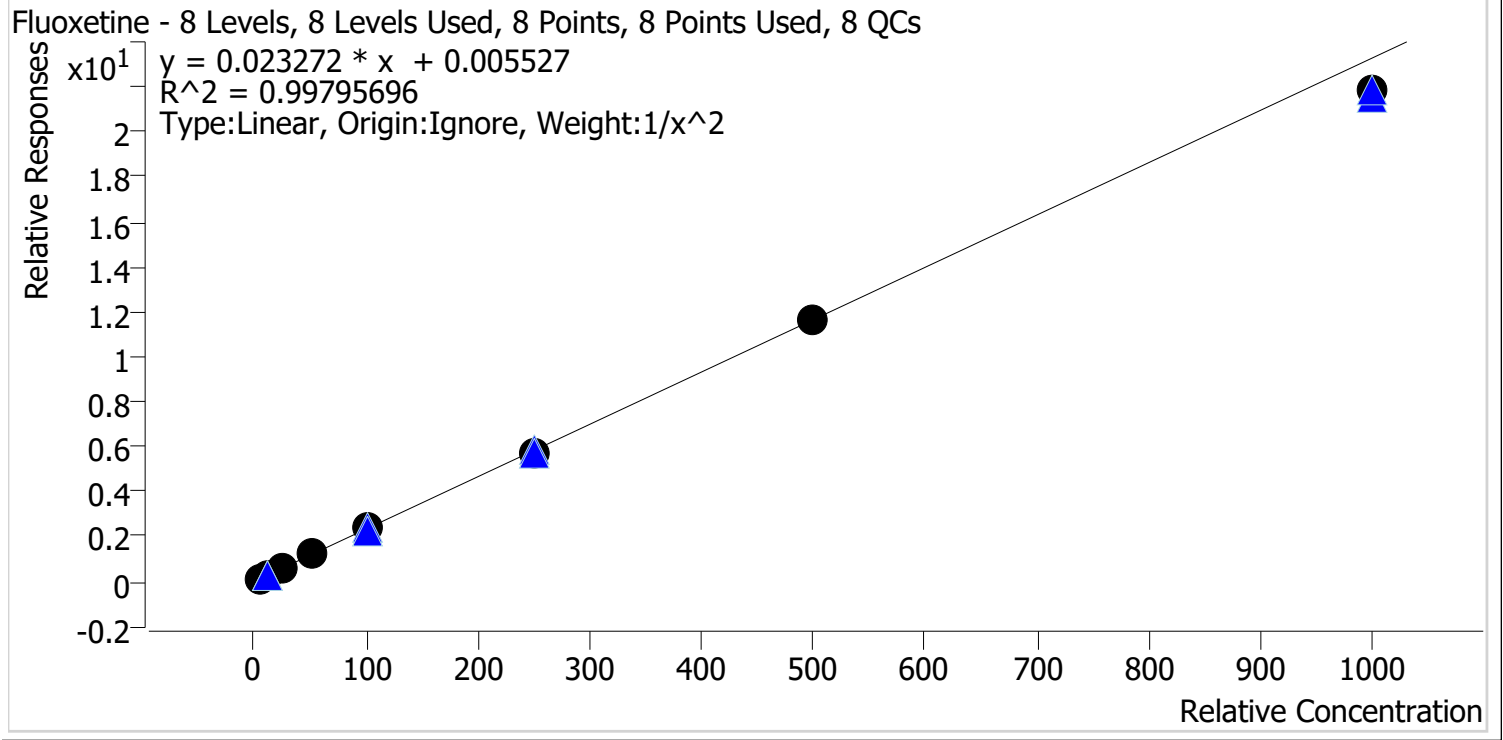
Fluoxetine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 8 QCs

$y = 0.023272 * x + 0.005527$
$R^2 = 0.99795696$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	5.0	99.3
p1 Cal 2-10ng	2	✔	10.0	10.1	101.0
p1 Cal 3 -25ng	3	✔	25.0	24.4	97.7
p1 Cal 4-50ng	4	✔	50.0	52.9	105.7
p1 Cal 5-100ng	5	✔	100.0	104.7	104.7
p1 Cal 6-250ng	6	✔	250.0	244.1	97.6
p1 Cal 7-500ng	7	✔	500.0	502.3	100.5
p1 Cal 8-1000ng	8	✔	1000.0	936.3	93.6

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin
Last Cal. Update   5/21/2021 10:30 AM
Analyst Name   ISP\datastor
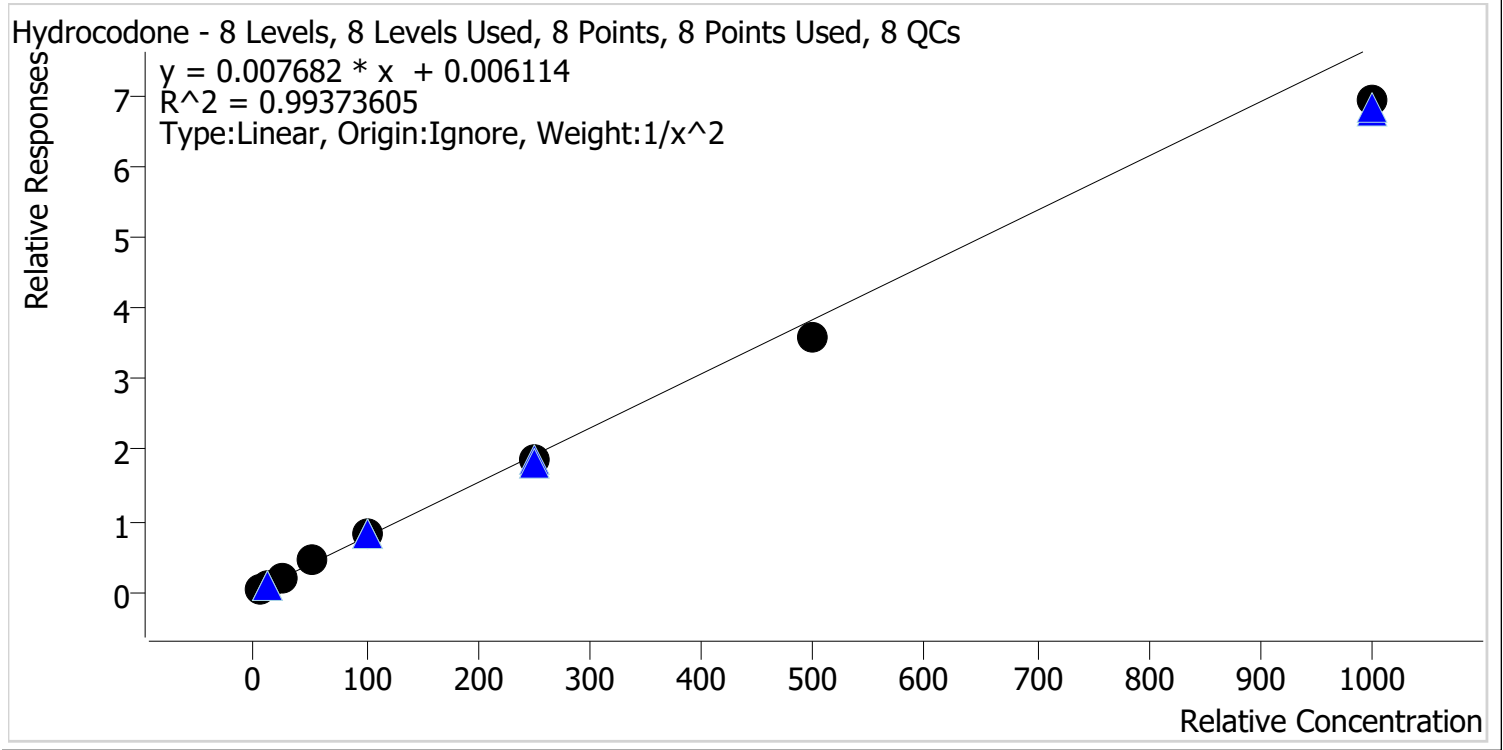**Analyte**   Hydrocodone   **Internal Standard**   Hydrocodone-D6

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

$y = 0.007682 * x + 0.006114$
$R^2 = 0.99373605$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	4.9	97.5
p1 Cal 2-10ng	2	✔	10.0	10.2	101.6
p1 Cal 3 -25ng	3	✔	25.0	25.5	102.1
p1 Cal 4-50ng	4	✔	50.0	55.6	111.2
p1 Cal 5-100ng	5	✔	100.0	106.9	106.9
p1 Cal 6-250ng	6	✔	250.0	242.8	97.1
p1 Cal 7-500ng	7	✔	500.0	467.1	93.4
p1 Cal 8-1000ng	8	✔	1000.0	902.1	90.2

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin
Last Cal. Update   5/21/2021 10:30 AM
Analyst Name   ISP\datastor
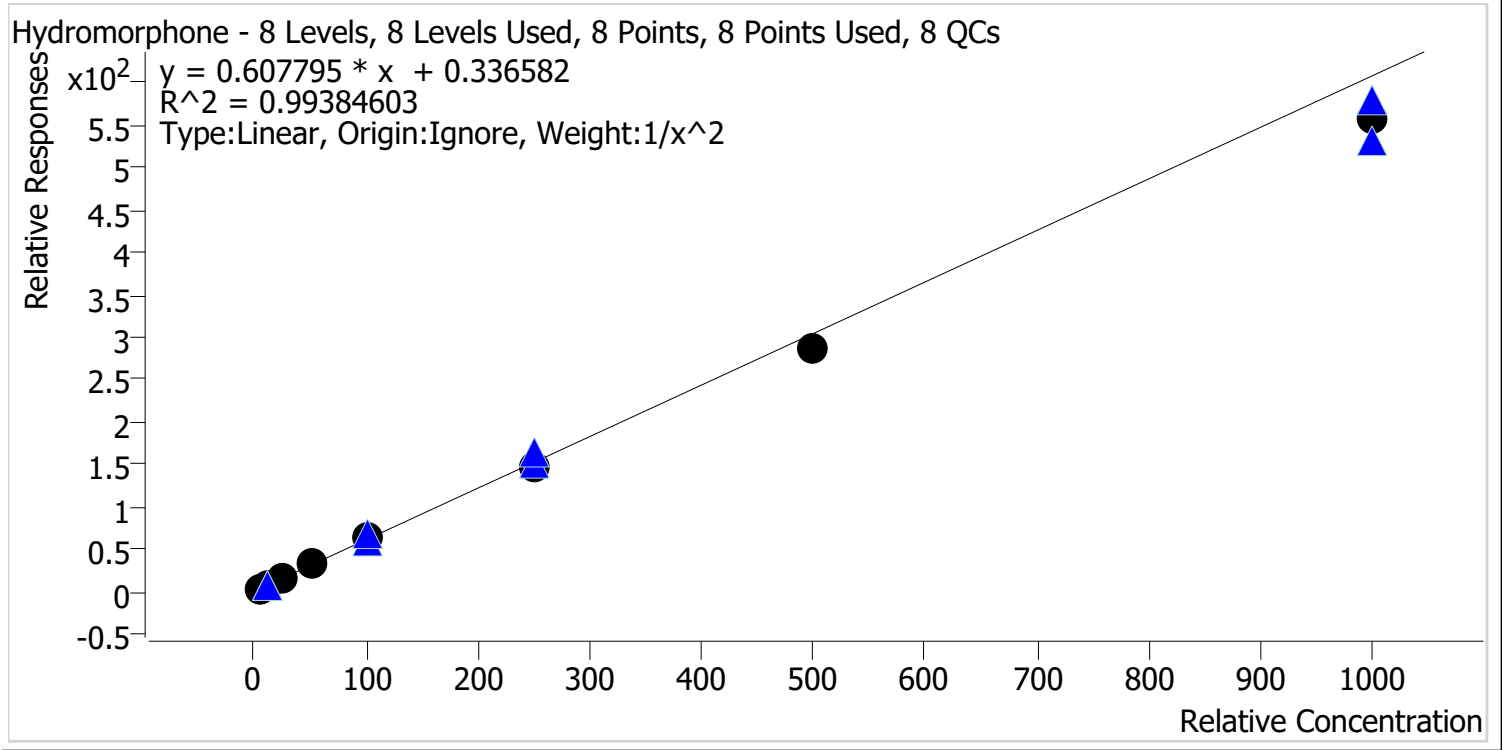**Analyte**   Hydromorphone   **Internal Standard**   Morphine-D6

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

$y = 0.607795 * x + 0.336582$
$R^2 = 0.99384603$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	4.8	96.5
p1 Cal 2-10ng	2	✔	10.0	10.3	103.0
p1 Cal 3 -25ng	3	✔	25.0	26.0	103.8
p1 Cal 4-50ng	4	✔	50.0	55.9	111.9
p1 Cal 5-100ng	5	✔	100.0	104.2	104.2
p1 Cal 6-250ng	6	✔	250.0	237.6	95.0
p1 Cal 7-500ng	7	✔	500.0	469.1	93.8
p1 Cal 8-1000ng	8	✔	1000.0	916.9	91.7

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin
Last Cal. Update   5/21/2021 10:30 AM
Analyst Name   ISP\datastor
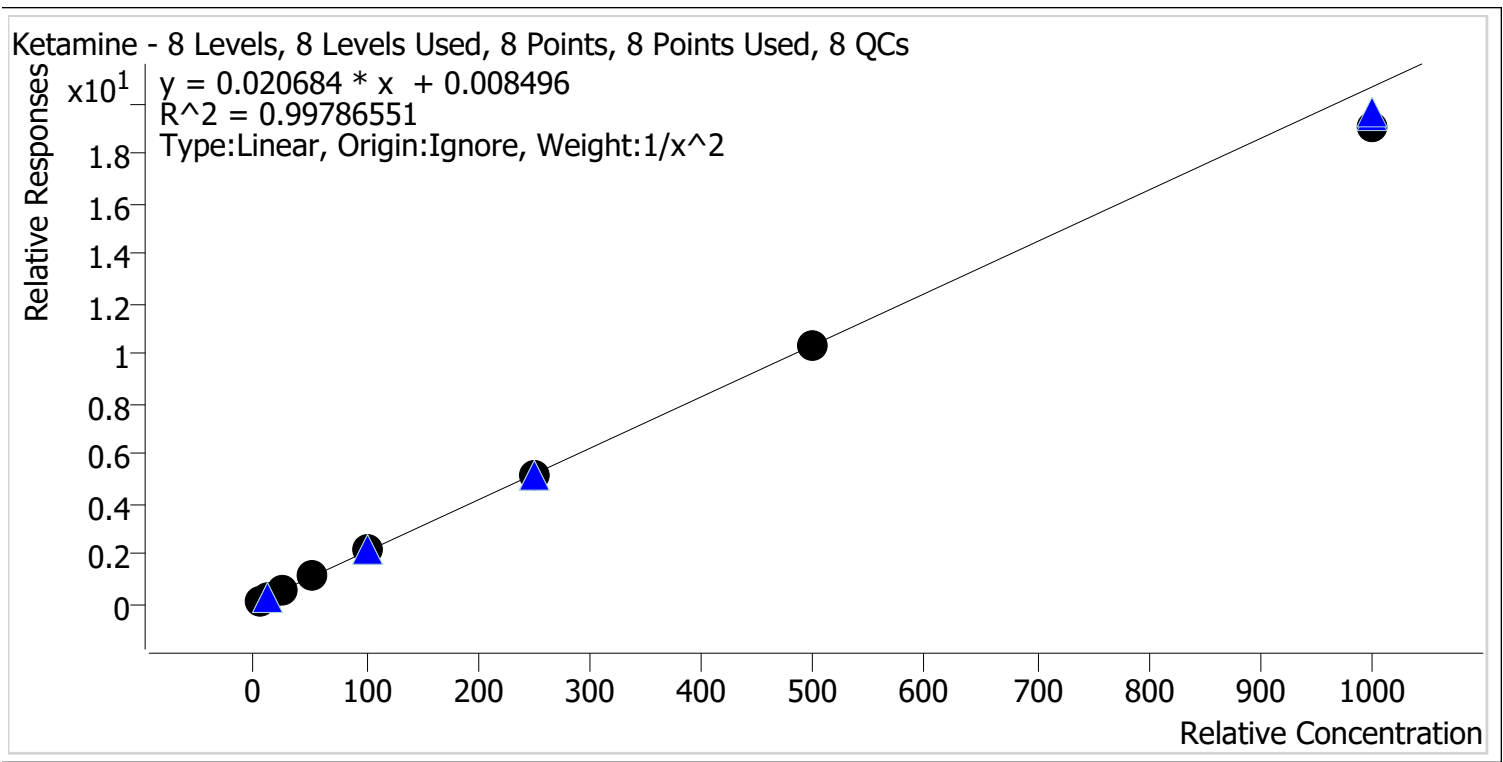**Analyte**   Ketamine   **Internal Standard**   Ketamine-D4

Ketamine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 8 QCs

$y = 0.020684 * x + 0.008496$
$R^2 = 0.99786551$
Type:Linear, Origin:Ignore, Weight:1/x^2

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	99.1
p1 Cal 3 -25ng	3	✔	25.0	24.9	99.4
p1 Cal 4-50ng	4	✔	50.0	53.3	106.7
p1 Cal 5-100ng	5	✔	100.0	103.3	103.3
p1 Cal 6-250ng	6	✔	250.0	249.2	99.7
p1 Cal 7-500ng	7	✔	500.0	497.1	99.4
p1 Cal 8-1000ng	8	✔	1000.0	925.4	92.5

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin
Last Cal. Update   5/21/2021 10:30 AM
Analyst Name   ISP\datastor
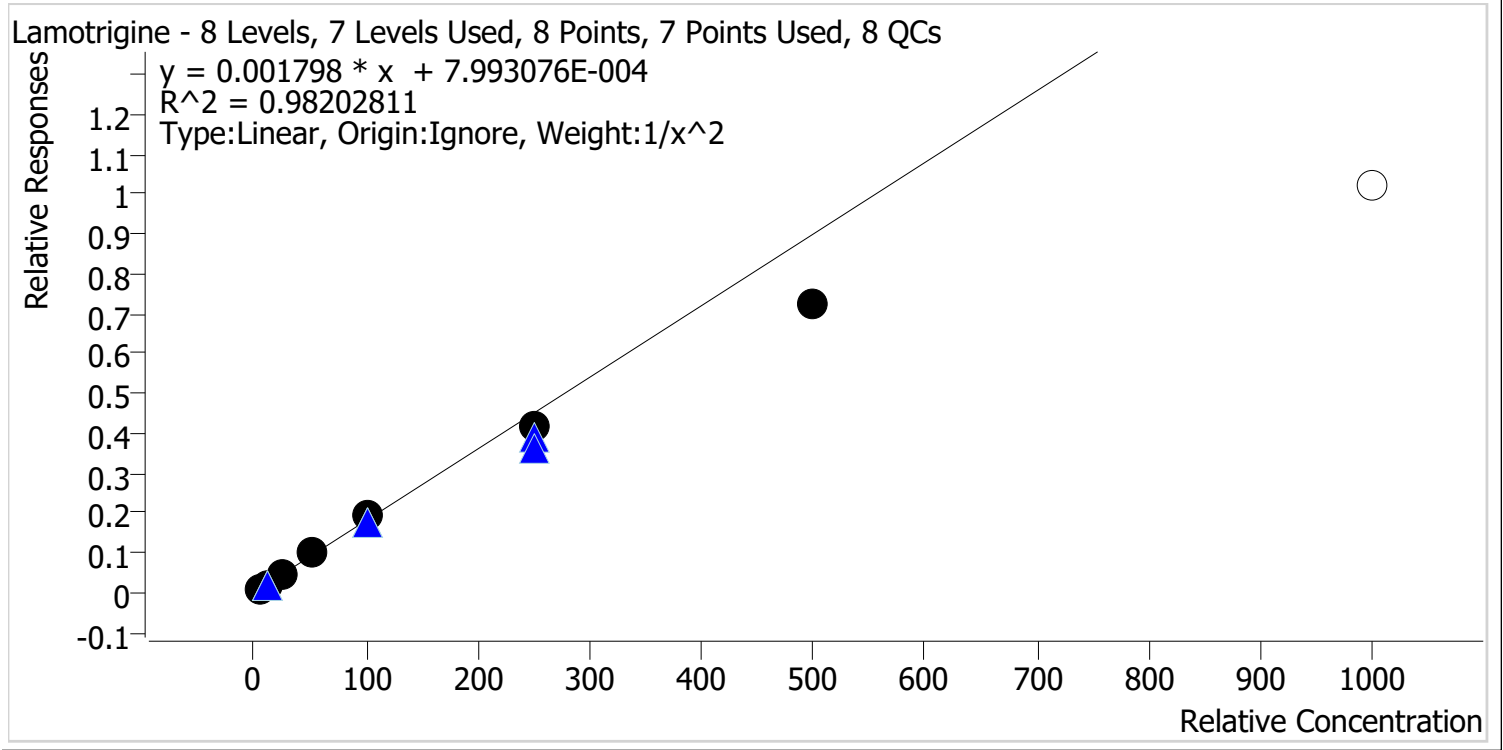**Analyte**   Lamotrigine   **Internal Standard**   Ketamine-D4

Lamotrigine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 8 QCs

$y = 0.001798 * x + 7.993076E\text{-}004$
$R^2 = 0.98202811$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	4.7	94.9
p1 Cal 2-10ng	2	✔	10.0	10.5	104.5
p1 Cal 3 -25ng	3	✔	25.0	26.8	107.4
p1 Cal 4-50ng	4	✔	50.0	57.3	114.5
p1 Cal 5-100ng	5	✔	100.0	105.9	105.9
p1 Cal 6-250ng	6	✔	250.0	230.8	92.3
p1 Cal 7-500ng	7	✔	500.0	402.7	80.5
p1 Cal 8-1000ng	8	✗	1000.0	565.6	56.6

Calibrator 8 dropped due to not meeting accuracy requirement.

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin

Last Cal. Update   5/21/2021 10:30 AM

Analyst Name   ISP\datastor

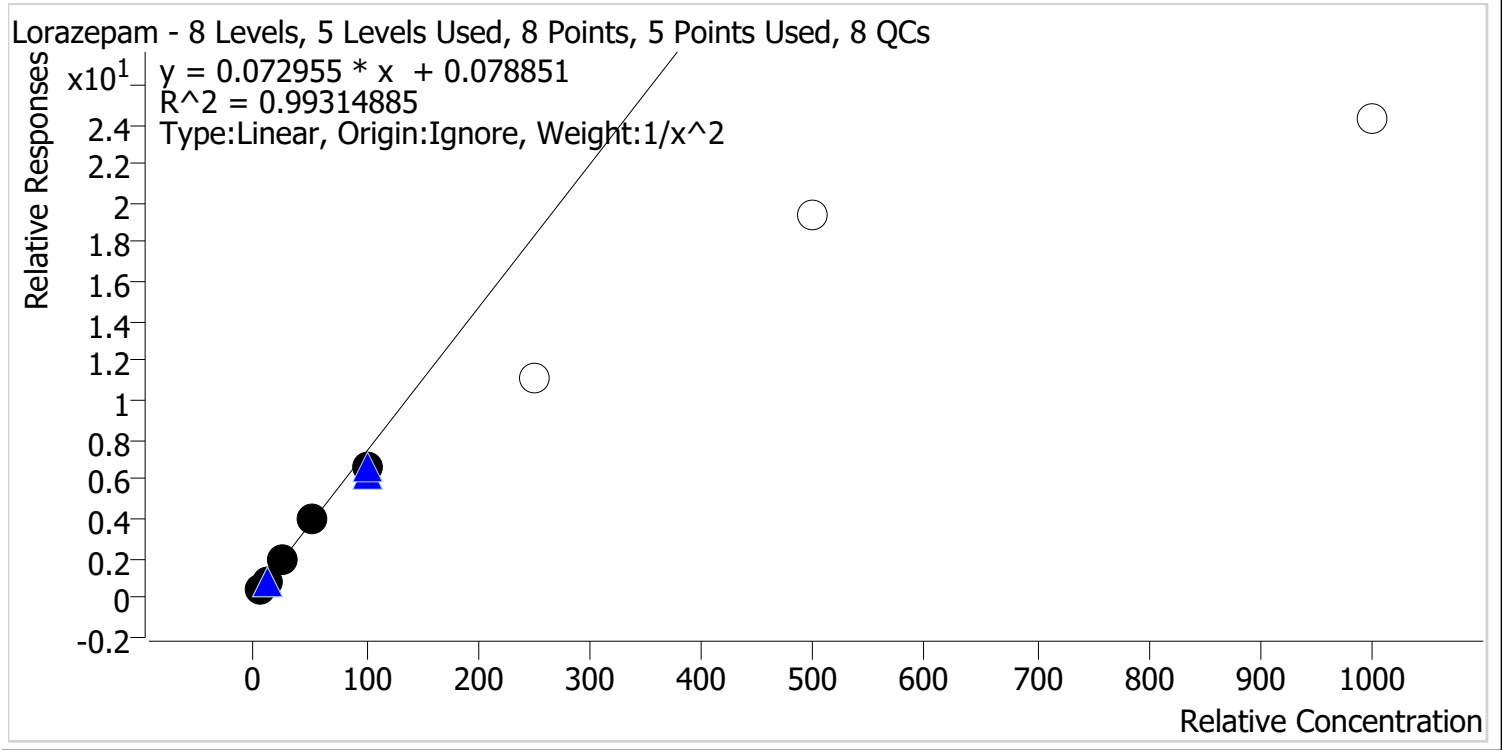**Analyte**   Lorazepam   **Internal Standard**   Clonazepam-D4

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

$y = 0.072955 * x + 0.078851$
$R^2 = 0.99314885$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	4.9	97.0
p1 Cal 2-10ng	2	✔	10.0	10.5	105.0
p1 Cal 3 -25ng	3	✔	25.0	25.5	101.8
p1 Cal 4-50ng	4	✔	50.0	52.9	105.8
p1 Cal 5-100ng	5	✔	100.0	90.4	90.4
p1 Cal 6-250ng	6	✗	250.0	151.1	60.5
p1 Cal 7-500ng	7	✗	500.0	266.0	53.2
p1 Cal 8-1000ng	8	✗	1000.0	331.2	33.1

Calibrators 6, 7, and 8 dropped due to not meeting accuracy requirement.

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 5/21/2021 10:30 AM
Analyst Name ISP\datastor
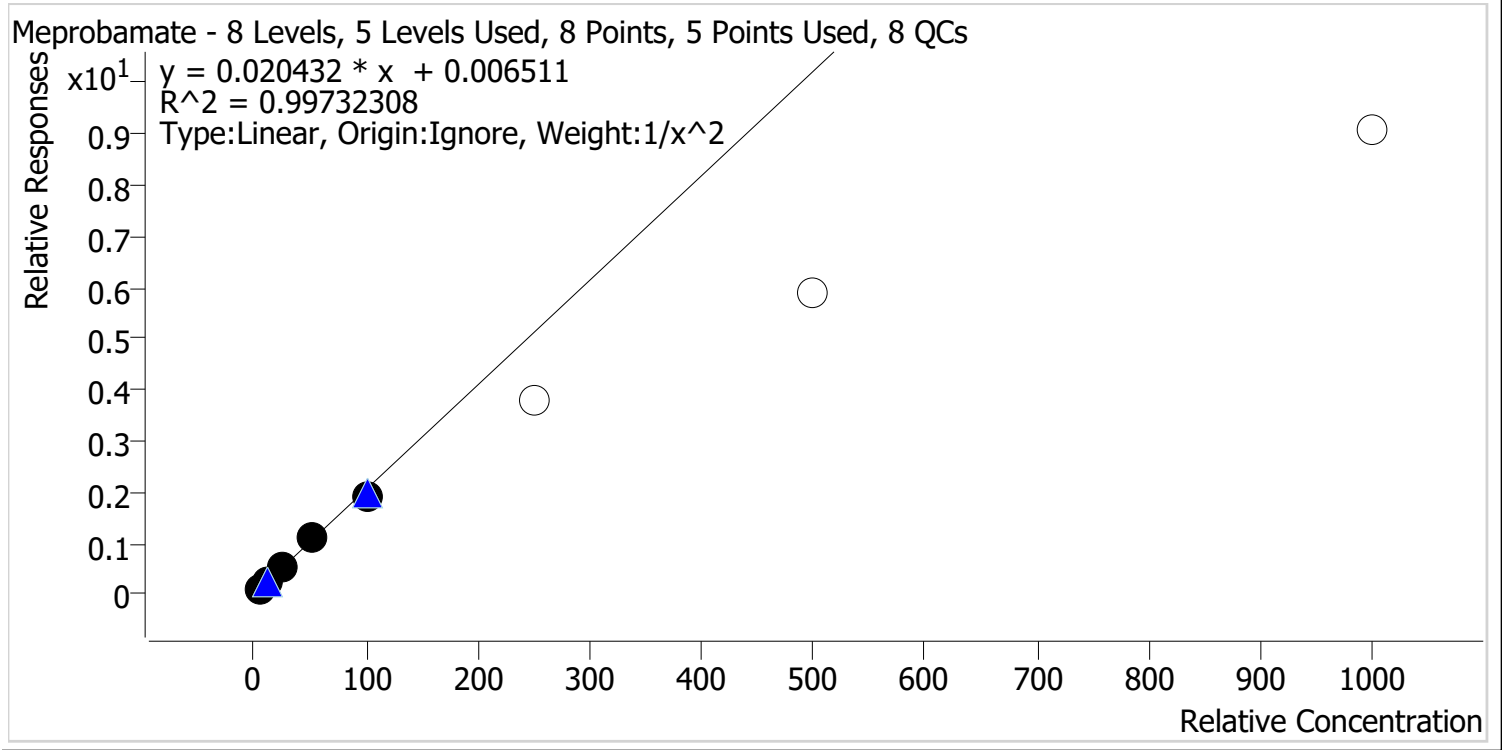**Analyte** Meprobamate   **Internal Standard**   Meprobamate-D7

Meprobamate - 8 Levels, 5 Levels Used, 8 Points, 5 Points Used, 8 QCs

$y = 0.020432 * x + 0.006511$
$R^2 = 0.99732308$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	4.9	98.8
p1 Cal 2-10ng	2	✔	10.0	10.2	101.9
p1 Cal 3 -25ng	3	✔	25.0	25.1	100.3
p1 Cal 4-50ng	4	✔	50.0	52.4	104.9
p1 Cal 5-100ng	5	✔	100.0	94.1	94.1
p1 Cal 6-250ng	6	✗	250.0	184.0	73.6
p1 Cal 7-500ng	7	✗	500.0	288.5	57.7
p1 Cal 8-1000ng	8	✗	1000.0	444.2	44.4

Calibrators 6, 7, and 8 dropped due to not meeting accuracy requirement.

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin

Last Cal. Update   5/21/2021 10:30 AM

Analyst Name   ISP\datastor

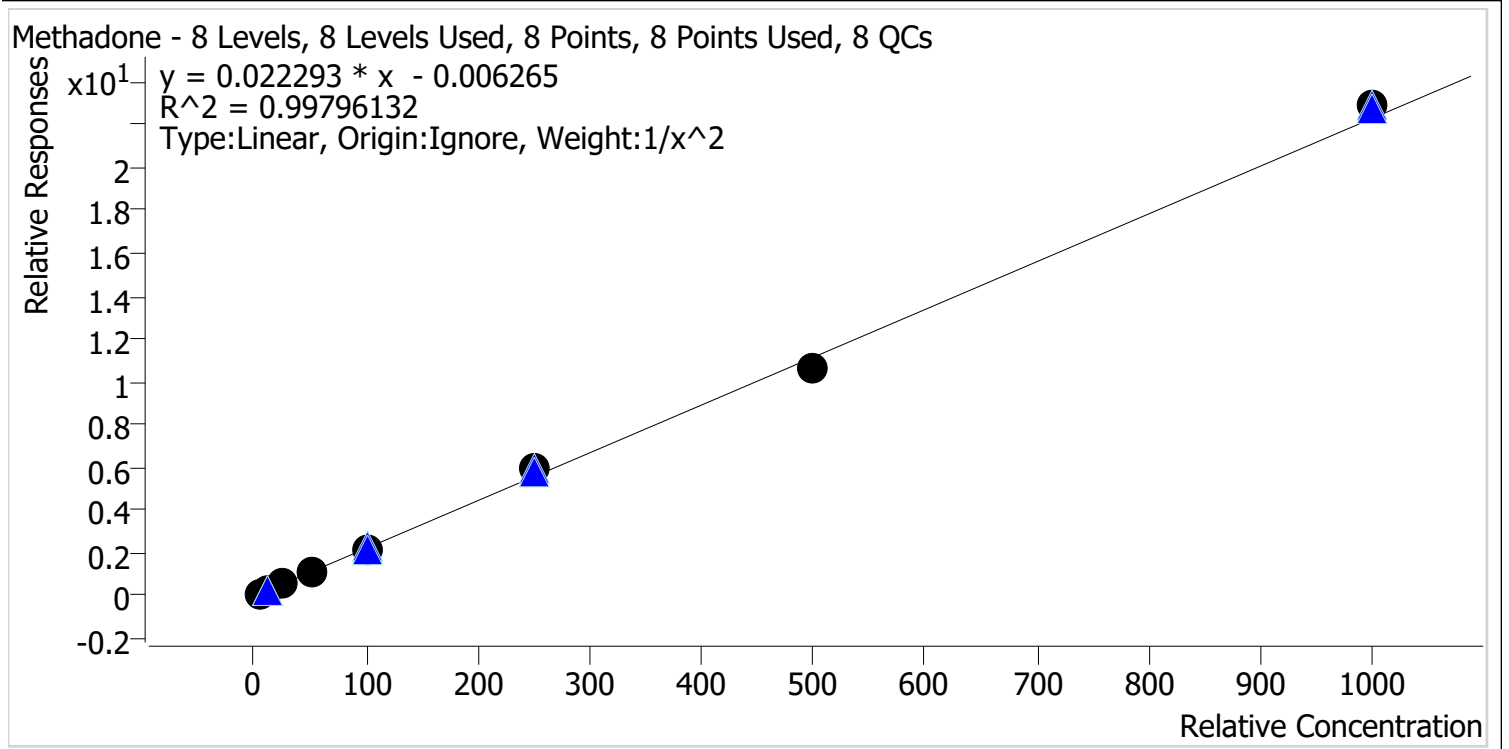**Analyte**   Methadone   **Internal Standard**   Methadone-D9

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

$y = 0.022293 * x - 0.006265$
$R^2 = 0.99796132$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

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	98.1
p1 Cal 3 -25ng	3	✔	25.0	23.7	94.7
p1 Cal 4-50ng	4	✔	50.0	51.5	102.9
p1 Cal 5-100ng	5	✔	100.0	99.2	99.2
p1 Cal 6-250ng	6	✔	250.0	264.1	105.7
p1 Cal 7-500ng	7	✔	500.0	475.0	95.0
p1 Cal 8-1000ng	8	✔	1000.0	1026.8	102.7

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin
Last Cal. Update   5/21/2021 10:30 AM
Analyst Name   ISP\datastor

Analyte	Methamphetamine	**Internal Standard**	Methamphetamine-D11

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

$y = 0.023079 * x + 0.030066$
$R^2 = 0.98806100$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

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	10.2	102.1
p1 Cal 3 -25ng	3	✔	25.0	26.4	105.7
p1 Cal 4-50ng	4	✔	50.0	56.3	112.7
p1 Cal 5-100ng	5	✔	100.0	107.9	107.9
p1 Cal 6-250ng	6	✔	250.0	251.7	100.7
p1 Cal 7-500ng	7	✔	500.0	459.3	91.9
p1 Cal 8-1000ng	8	✔	1000.0	827.9	82.8

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin
Last Cal. Update   5/21/2021 10:30 AM
Analyst Name   ISP\datastor
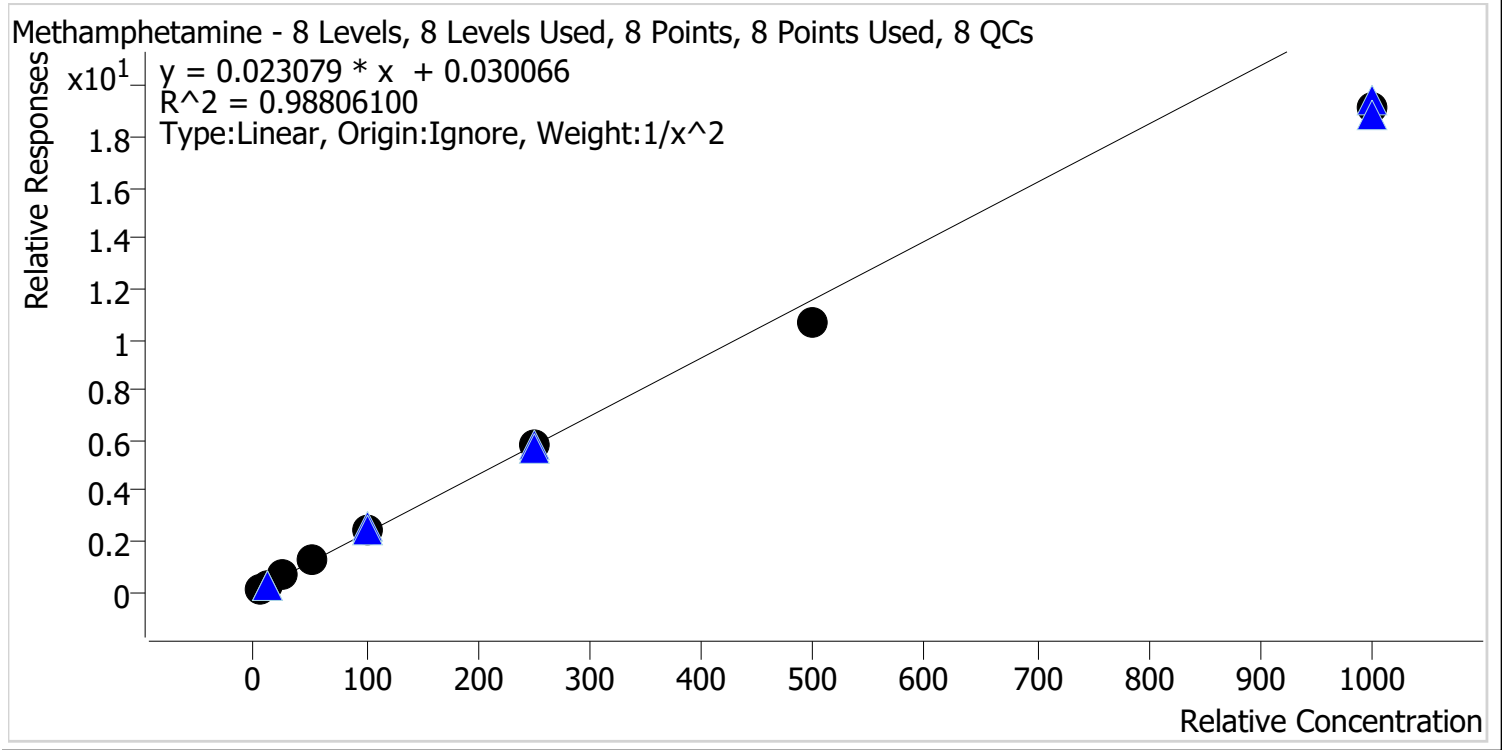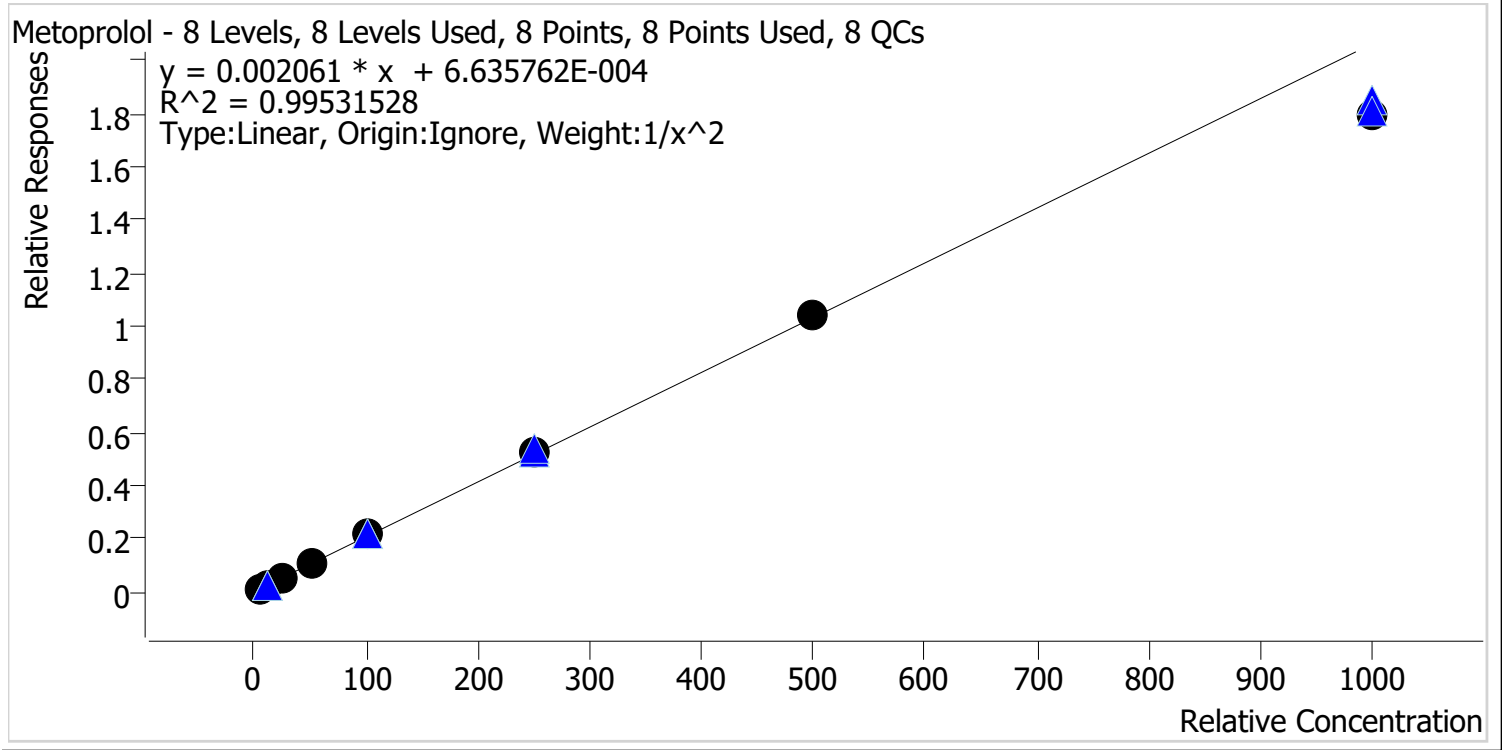**Analyte**   Metoprolol   **Internal Standard**   Tramadol-13C-D3

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

$y = 0.002061 * x + 6.635762E\text{-}004$
$R^2 = 0.99531528$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	5.0	99.1
p1 Cal 2-10ng	2	✔	10.0	9.9	99.4
p1 Cal 3 -25ng	3	✔	25.0	25.4	101.8
p1 Cal 4-50ng	4	✔	50.0	53.7	107.5
p1 Cal 5-100ng	5	✔	100.0	102.4	102.4
p1 Cal 6-250ng	6	✔	250.0	256.2	102.5
p1 Cal 7-500ng	7	✔	500.0	502.9	100.6
p1 Cal 8-1000ng	8	✔	1000.0	867.5	86.7

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin
Last Cal. Update   5/21/2021 10:30 AM
Analyst Name   ISP\datastor
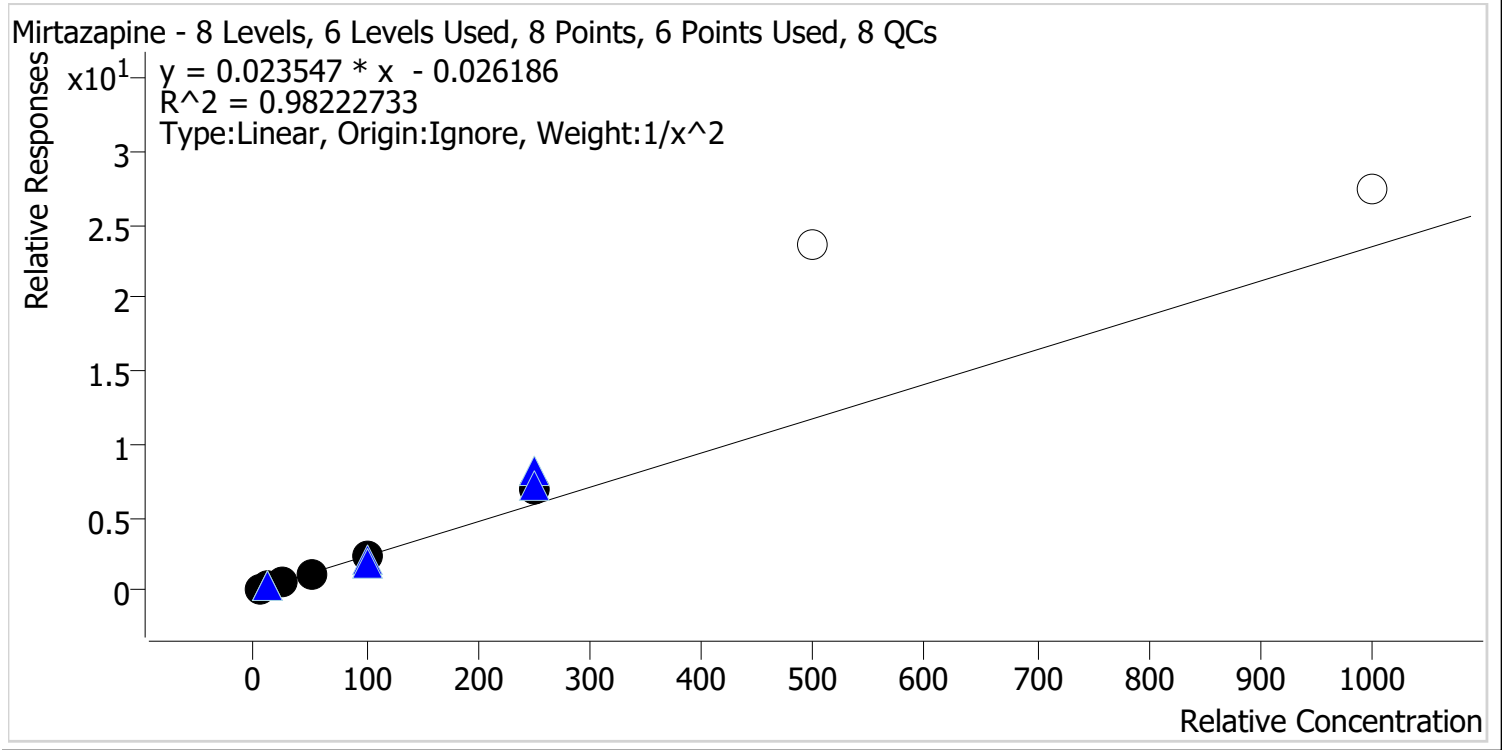**Analyte**   Mirtazapine   **Internal Standard**   alpha-PVP-d8

Mirtazapine - 8 Levels, 6 Levels Used, 8 Points, 6 Points Used, 8 QCs

$y = 0.023547 * x - 0.026186$
$R^2 = 0.98222733$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	5.1	102.0
p1 Cal 2-10ng	2	✔	10.0	10.3	102.8
p1 Cal 3 -25ng	3	✔	25.0	21.2	84.9
p1 Cal 4-50ng	4	✔	50.0	45.8	91.5
p1 Cal 5-100ng	5	✔	100.0	101.9	101.9
p1 Cal 6-250ng	6	✔	250.0	292.1	116.8
p1 Cal 7-500ng	7	✗	500.0	1001.1	200.2
p1 Cal 8-1000ng	8	✗	1000.0	1172.2	117.2

Calibrators 7 and 8 dropped due to not meeting accuracy requirement.

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin
Last Cal. Update   5/21/2021 10:30 AM
Analyst Name   ISP\datastor
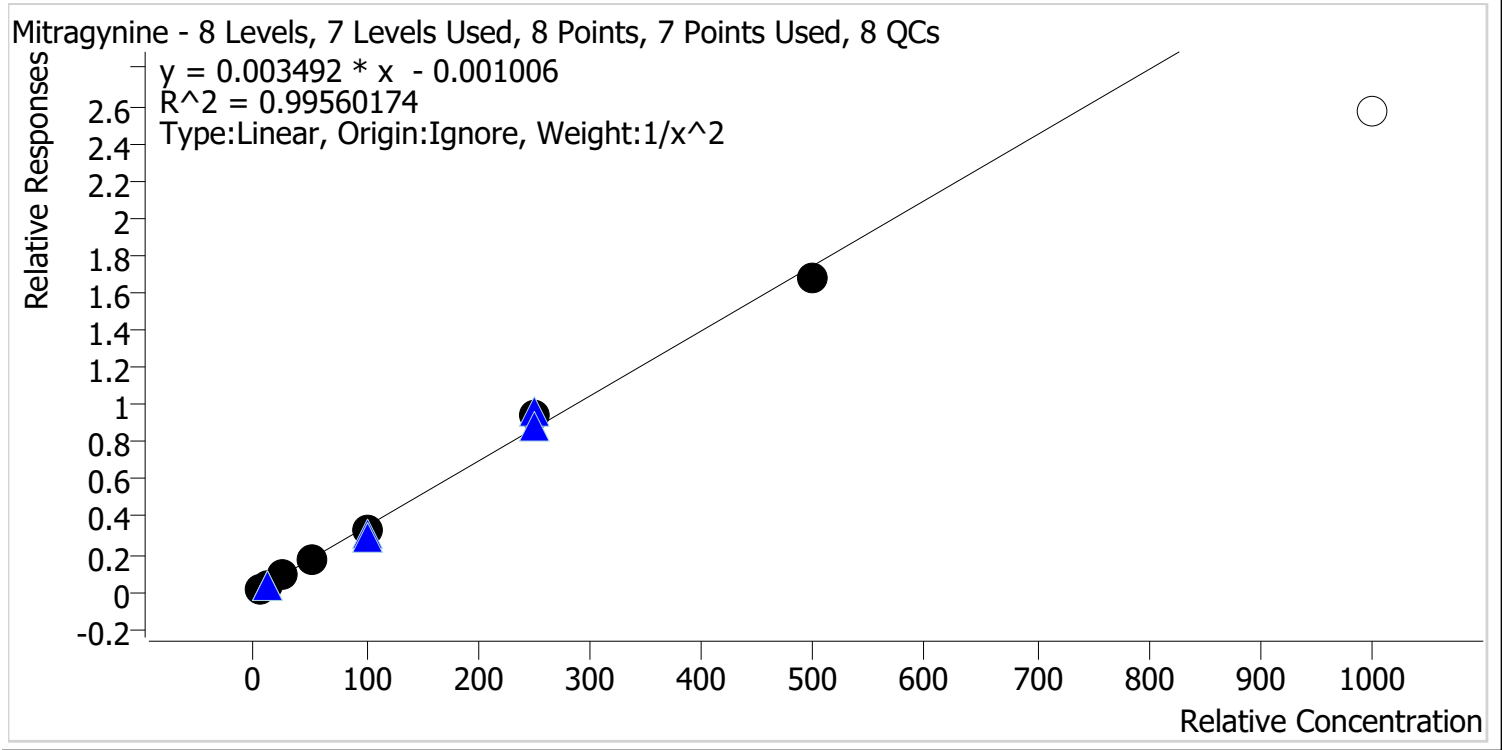**Analyte**   Mitragynine   **Internal Standard**   Methadone-D9

Mitragynine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 8 QCs

$y = 0.003492 * x - 0.001006$
$R^2 = 0.99560174$
Type:Linear, Origin:Ignore, Weight:1/x^2

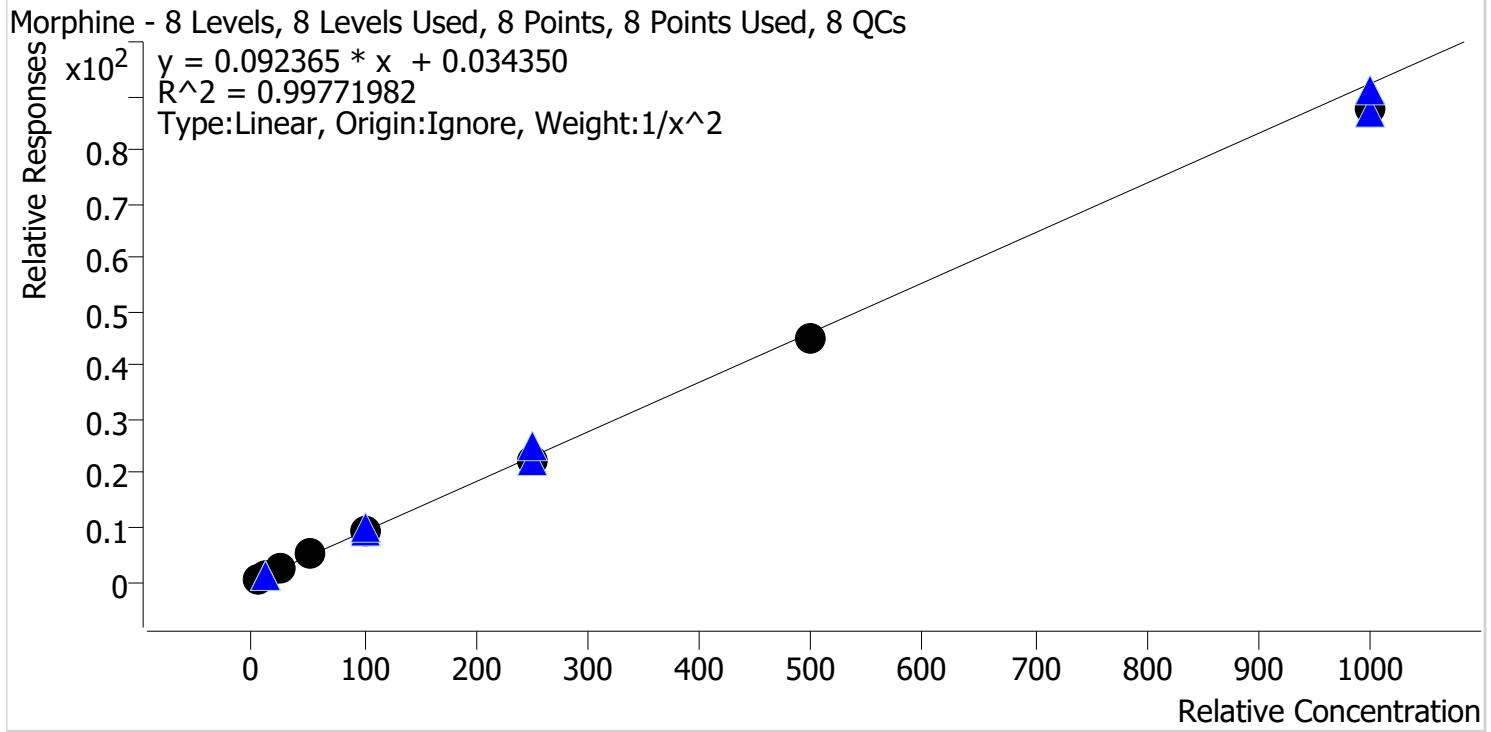| Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	4.9	97.3
p1 Cal 2-10ng	2	✔	10.0	10.7	107.4
p1 Cal 3 -25ng	3	✔	25.0	23.9	95.4
p1 Cal 4-50ng	4	✔	50.0	49.7	99.5
p1 Cal 5-100ng	5	✔	100.0	95.8	95.8
p1 Cal 6-250ng	6	✔	250.0	271.2	108.5
p1 Cal 7-500ng	7	✔	500.0	480.3	96.1
p1 Cal 8-1000ng	8	✗	1000.0	738.5	73.8

Calibrator 8 dropped due to not meeting accuracy requirement.

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin

Last Cal. Update   5/21/2021 10:30 AM

Analyst Name   ISP\datastor

Analyte   Morphine   **Internal Standard**   Morphine-D6

Morphine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 8 QCs

$y = 0.092365 * x + 0.034350$

$R^2 = 0.99771982$

Type:Linear, Origin:Ignore, Weight:$1/x^2$

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	5.0	99.3
p1 Cal 2-10ng	2	✔	10.0	9.9	99.4
p1 Cal 3 -25ng	3	✔	25.0	25.1	100.6
p1 Cal 4-50ng	4	✔	50.0	53.8	107.7
p1 Cal 5-100ng	5	✔	100.0	104.1	104.1
p1 Cal 6-250ng	6	✔	250.0	242.3	96.9
p1 Cal 7-500ng	7	✔	500.0	485.4	97.1
p1 Cal 8-1000ng	8	✔	1000.0	949.4	94.9

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results　　　　D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin
Last Cal. Update　　　5/21/2021 10:30 AM
Analyst Name　　　　ISP\datastor
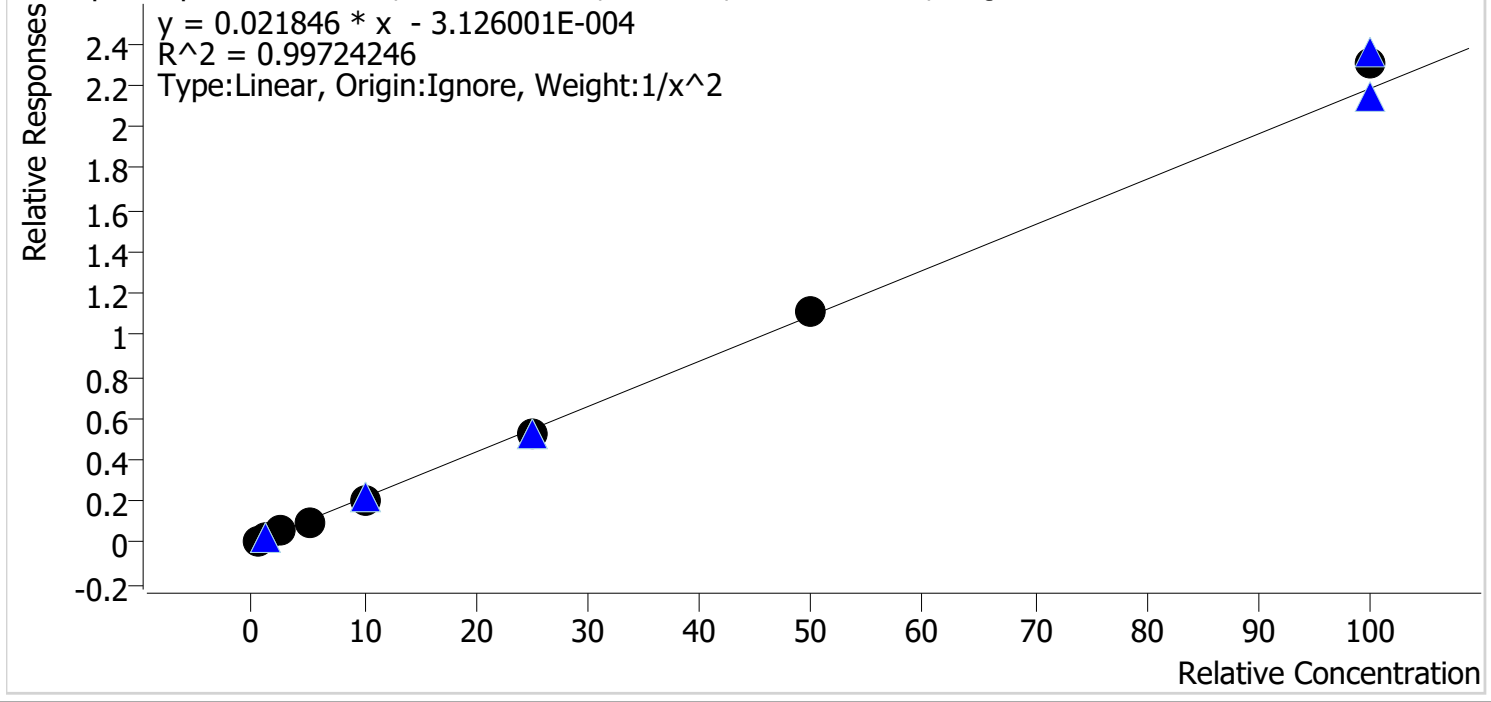**Analyte**　　　　　　　Norbuprenorphine　　　　　　　　**Internal Standard**　　　Norbuprenorphine-D3

Norbuprenorphine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 8 QCs

$y = 0.021846 * x - 3.126001E\text{-}004$
$R^2 = 0.99724246$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	0.5	0.5	97.0
p1 Cal 2-10ng	2	✔	1.0	1.1	107.8
p1 Cal 3 -25ng	3	✔	2.5	2.5	98.5
p1 Cal 4-50ng	4	✔	5.0	4.8	96.2
p1 Cal 5-100ng	5	✔	10.0	9.7	96.7
p1 Cal 6-250ng	6	✔	25.0	24.1	96.5
p1 Cal 7-500ng	7	✔	50.0	50.9	101.7
p1 Cal 8-1000ng	8	✔	100.0	105.7	105.7

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin
Last Cal. Update 5/21/2021 10:30 AM
Analyst Name   ISP\datastor
Analyte   Nordiazepam   **Internal Standard**   Nordiazepam-D5
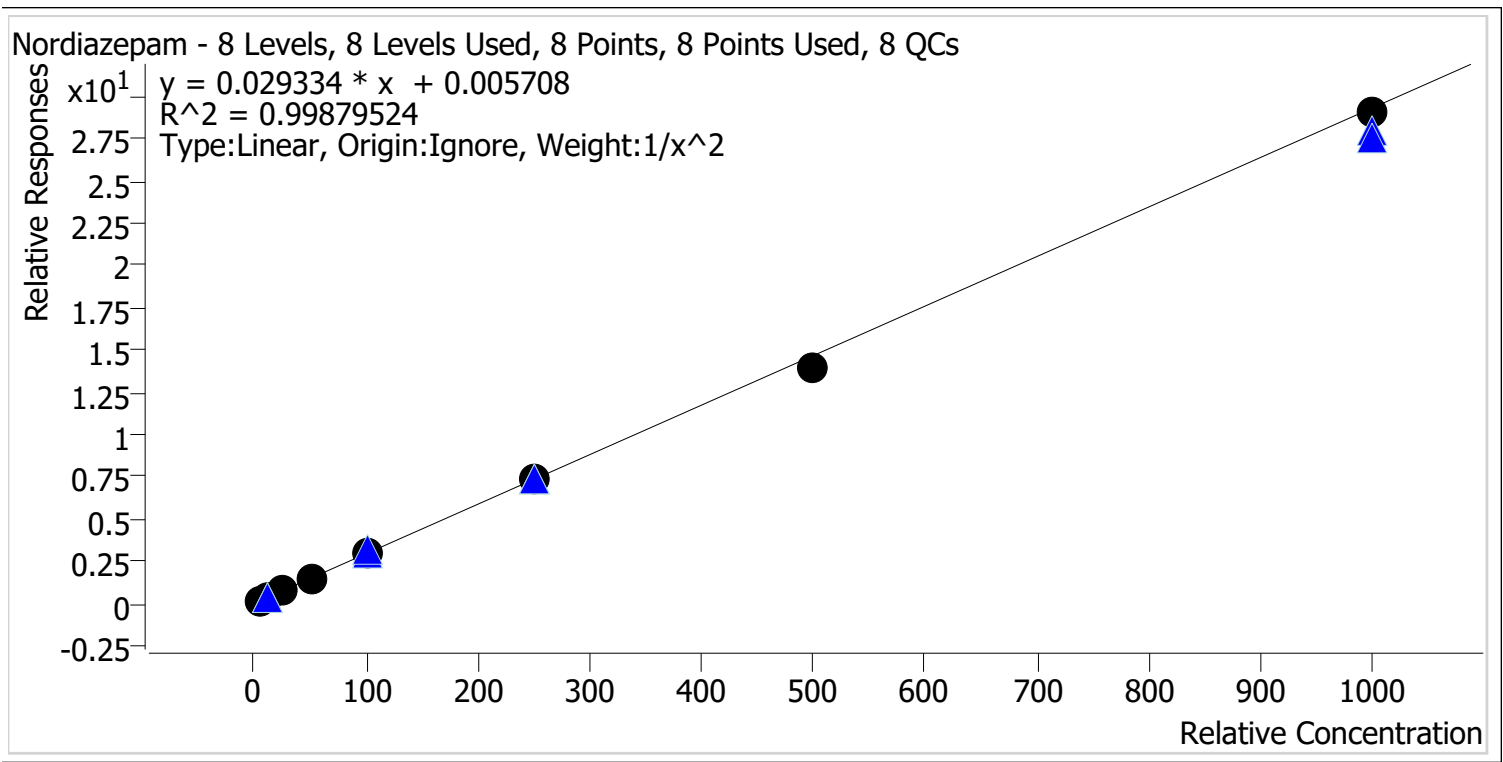
Nordiazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 8 QCs

$y = 0.029334 * x + 0.005708$
$R^2 = 0.99879524$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	5.0	100.5
p1 Cal 2-10ng	2	✔	10.0	9.8	98.3
p1 Cal 3 -25ng	3	✔	25.0	24.7	98.9
p1 Cal 4-50ng	4	✔	50.0	52.4	104.8
p1 Cal 5-100ng	5	✔	100.0	103.9	103.9
p1 Cal 6-250ng	6	✔	250.0	247.1	98.9
p1 Cal 7-500ng	7	✔	500.0	478.4	95.7
p1 Cal 8-1000ng	8	✔	1000.0	990.8	99.1

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin

Last Cal. Update 5/21/2021 10:30 AM

Analyst Name ISP\datastor
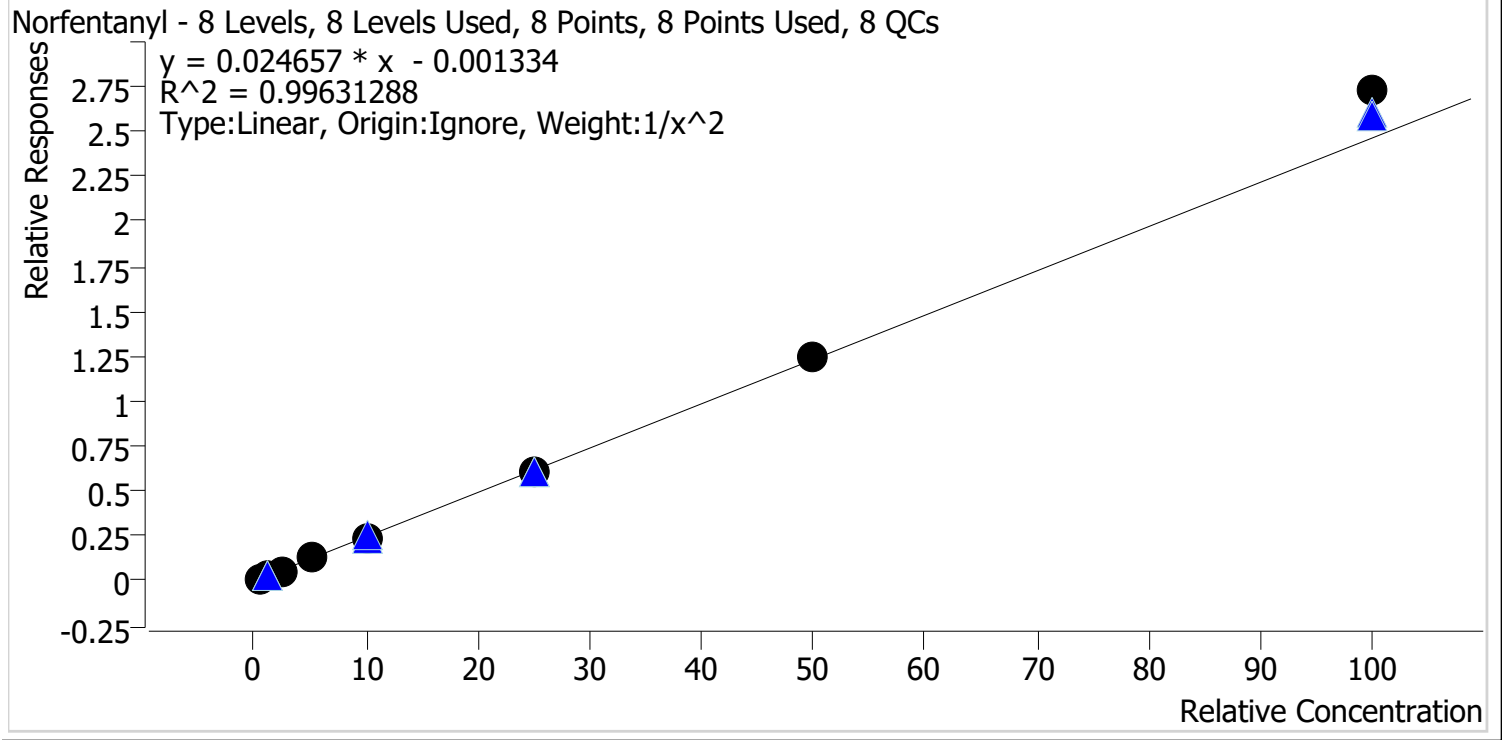
Analyte Norfentanyl **Internal Standard** Norfentanyl-D5

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

$y = 0.024657 * x - 0.001334$
$R^2 = 0.99631288$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	0.5	0.5	103.3
p1 Cal 2-10ng	2	✔	1.0	1.0	96.3
p1 Cal 3 -25ng	3	✔	2.5	2.3	93.9
p1 Cal 4-50ng	4	✔	5.0	5.0	99.6
p1 Cal 5-100ng	5	✔	10.0	9.6	96.4
p1 Cal 6-250ng	6	✔	25.0	24.5	98.1
p1 Cal 7-500ng	7	✔	50.0	50.8	101.7
p1 Cal 8-1000ng	8	✔	100.0	110.7	110.7

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin

Last Cal. Update   5/21/2021 10:30 AM

Analyst Name   ISP\datastor

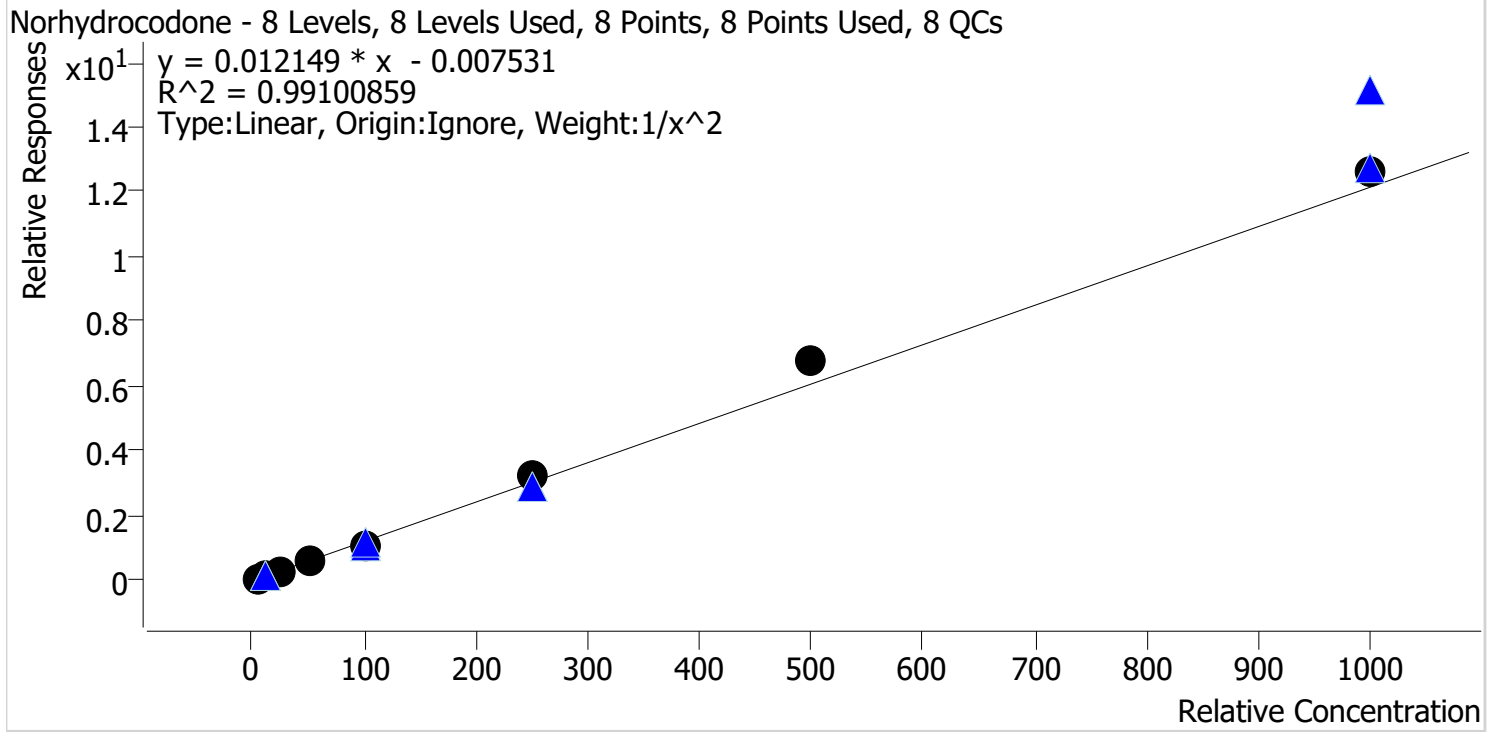**Analyte**   Norhydrocodone   **Internal Standard**   Norhydrocodone-D3

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

$y = 0.012149 * x - 0.007531$
$R^2 = 0.99100859$
Type:Linear, Origin:Ignore, Weight:1/x^2

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	9.7	96.5
p1 Cal 3 -25ng	3	✔	25.0	22.8	91.0
p1 Cal 4-50ng	4	✔	50.0	46.8	93.6
p1 Cal 5-100ng	5	✔	100.0	90.1	90.1
p1 Cal 6-250ng	6	✔	250.0	270.7	108.3
p1 Cal 7-500ng	7	✔	500.0	559.2	111.8
p1 Cal 8-1000ng	8	✔	1000.0	1043.2	104.3

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin
Last Cal. Update   5/21/2021 10:30 AM
Analyst Name   ISP\datastor
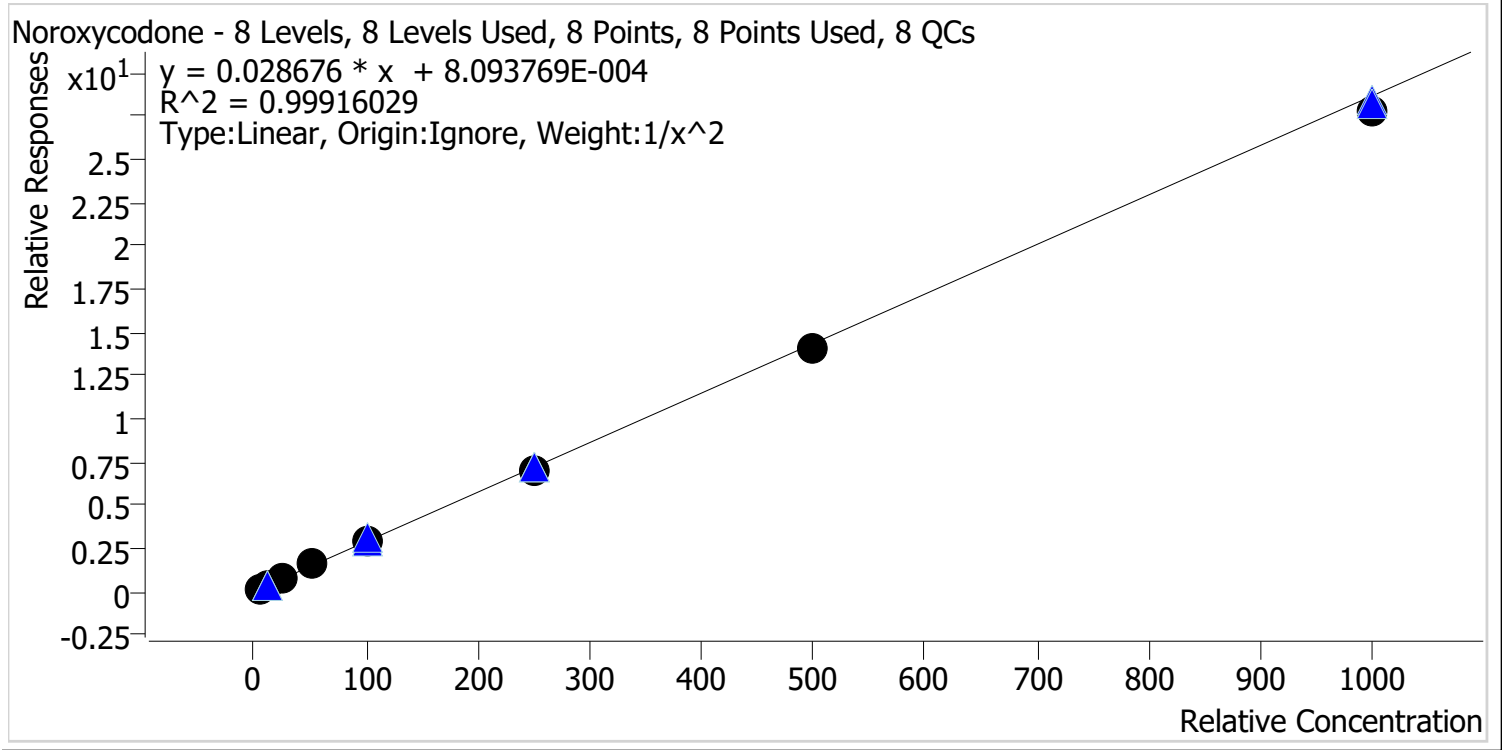**Analyte**   Noroxycodone   **Internal Standard**   Noroxycodone-D3

Noroxycodone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 8 QCs

$y = 0.028676 * x + 8.093769E\text{-}004$
$R^2 = 0.99916029$
Type:Linear, Origin:Ignore, Weight:1/x^2

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	10.1	100.5
p1 Cal 3 -25ng	3	✔	25.0	24.7	98.7
p1 Cal 4-50ng	4	✔	50.0	52.5	104.9
p1 Cal 5-100ng	5	✔	100.0	102.0	102.0
p1 Cal 6-250ng	6	✔	250.0	246.9	98.8
p1 Cal 7-500ng	7	✔	500.0	493.9	98.8
p1 Cal 8-1000ng	8	✔	1000.0	967.6	96.8

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin
Last Cal. Update   5/21/2021 10:30 AM
Analyst Name   ISP\datastor
Analyte   O-desmethyl-tramadol   **Internal Standard**   O-desmethyl-tramadol-D6

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

$y = 0.017121 * x - 0.002657$
$R^2 = 0.99852200$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	5.1	101.1
p1 Cal 2-10ng	2	✔	10.0	9.8	98.4
p1 Cal 3 -25ng	3	✔	25.0	24.1	96.5
p1 Cal 4-50ng	4	✔	50.0	51.7	103.4
p1 Cal 5-100ng	5	✔	100.0	100.3	100.3
p1 Cal 6-250ng	6	✔	250.0	257.8	103.1
p1 Cal 7-500ng	7	✔	500.0	514.3	102.9
p1 Cal 8-1000ng	8	✔	1000.0	942.9	94.3

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results　　　D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin
Last Cal. Update　　5/21/2021 10:30 AM
Analyst Name　　　ISP\datastor
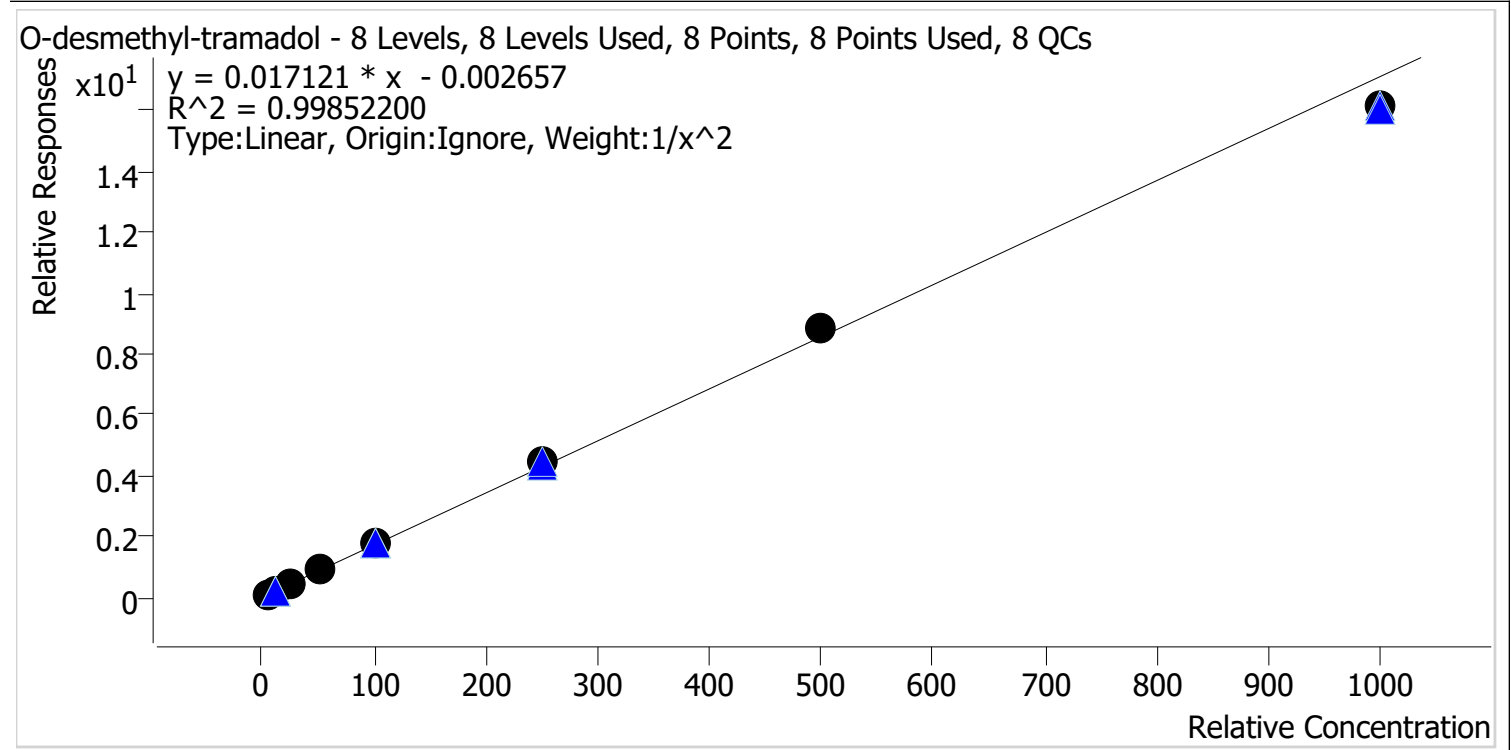**Analyte**　　　　　　Oxazepam　　　　　　　　　　　　**Internal Standard**　　　Oxazepam-D5
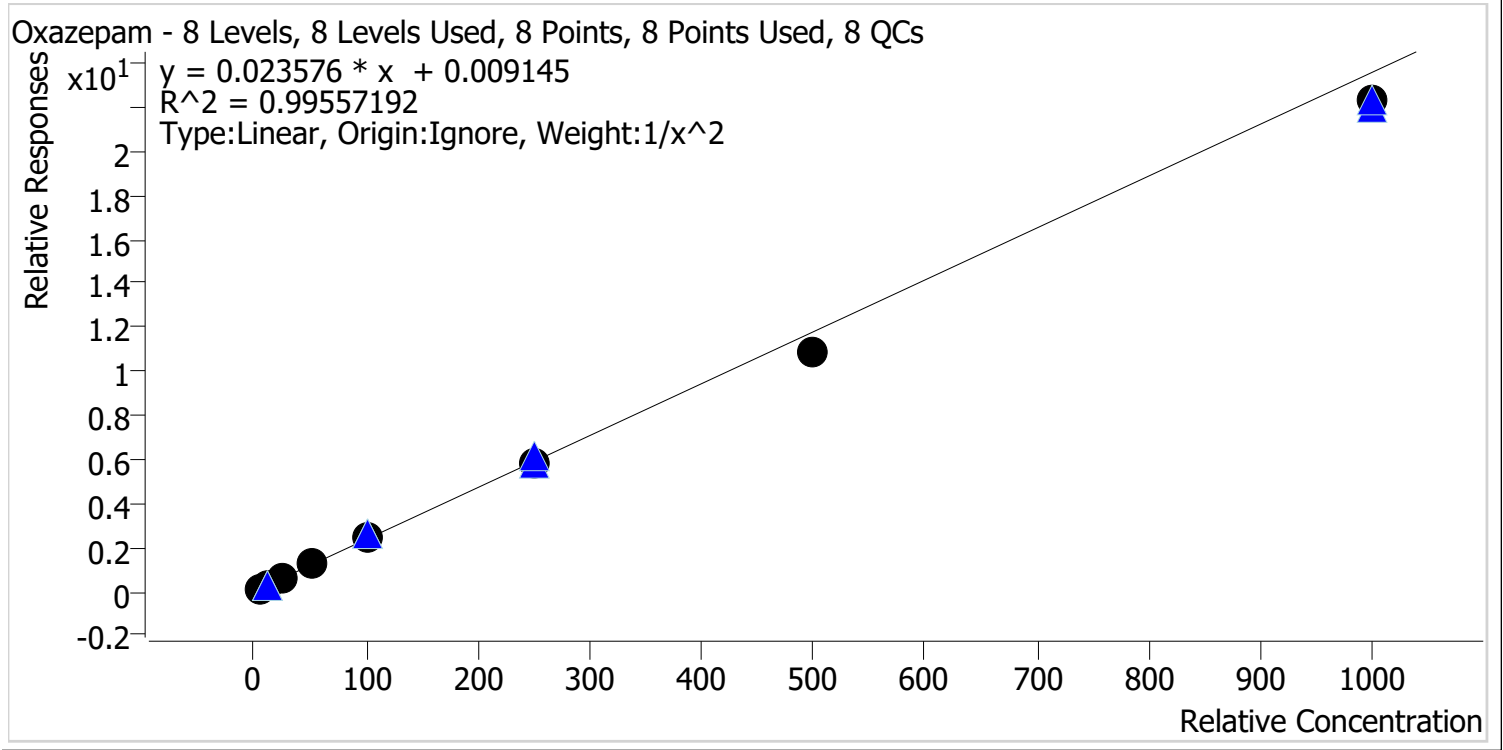
Oxazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 8 QCs

$y = 0.023576 * x + 0.009145$
$R^2 = 0.99557192$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

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	9.9	99.0
p1 Cal 3 -25ng	3	✔	25.0	25.2	101.0
p1 Cal 4-50ng	4	✔	50.0	55.2	110.3
p1 Cal 5-100ng	5	✔	100.0	105.1	105.1
p1 Cal 6-250ng	6	✔	250.0	248.0	99.2
p1 Cal 7-500ng	7	✔	500.0	458.6	91.7
p1 Cal 8-1000ng	8	✔	1000.0	945.5	94.6

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin
Last Cal. Update   5/21/2021 10:30 AM
Analyst Name   ISP\datastor
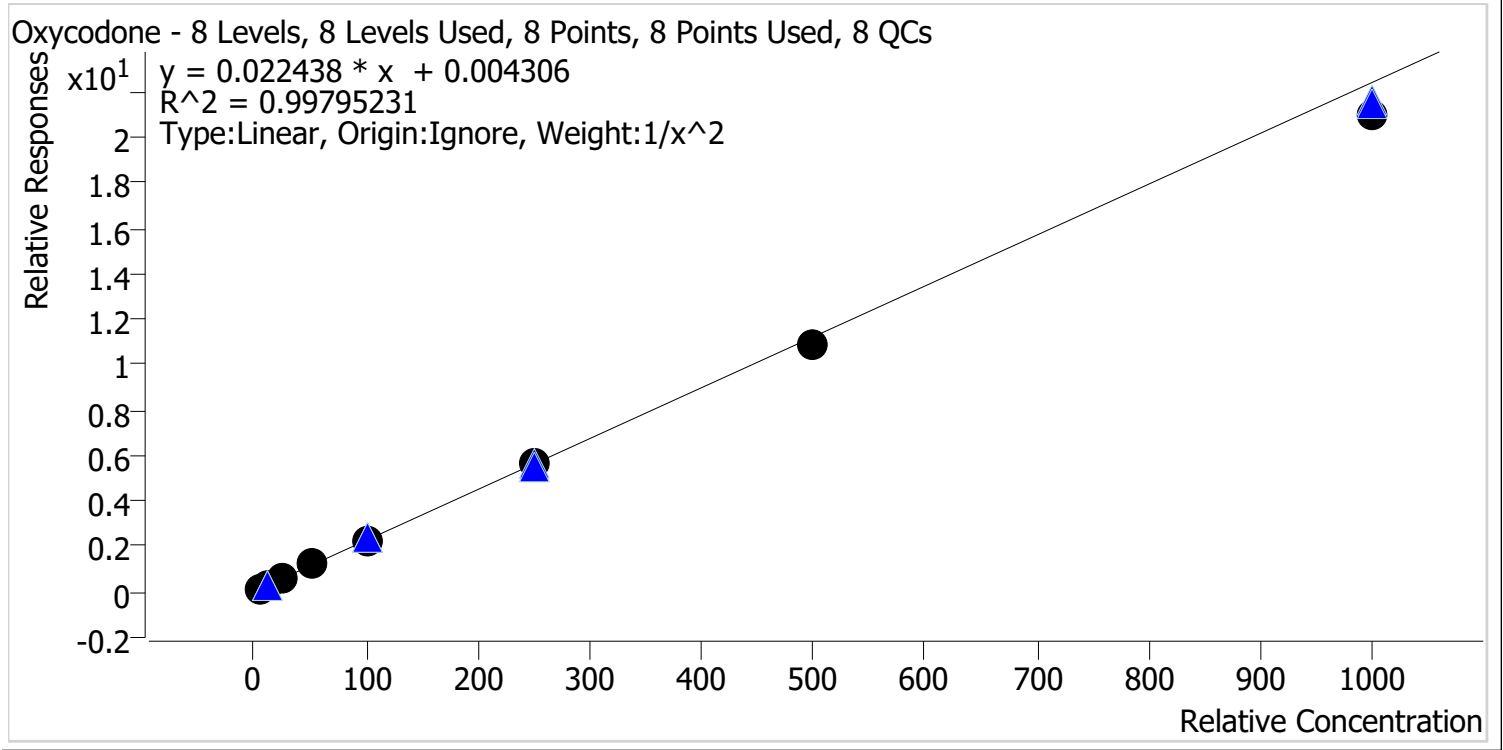**Analyte**   Oxycodone   **Internal Standard**   Oxycodone-D6

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

$y = 0.022438 * x + 0.004306$
$R^2 = 0.99795231$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	4.9	98.7
p1 Cal 2-10ng	2	✔	10.0	10.1	100.9
p1 Cal 3 -25ng	3	✔	25.0	25.1	100.6
p1 Cal 4-50ng	4	✔	50.0	53.7	107.4
p1 Cal 5-100ng	5	✔	100.0	101.6	101.6
p1 Cal 6-250ng	6	✔	250.0	249.6	99.9
p1 Cal 7-500ng	7	✔	500.0	486.4	97.3
p1 Cal 8-1000ng	8	✔	1000.0	936.8	93.7

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin
Last Cal. Update   5/21/2021 10:30 AM
Analyst Name   ISP\datastor
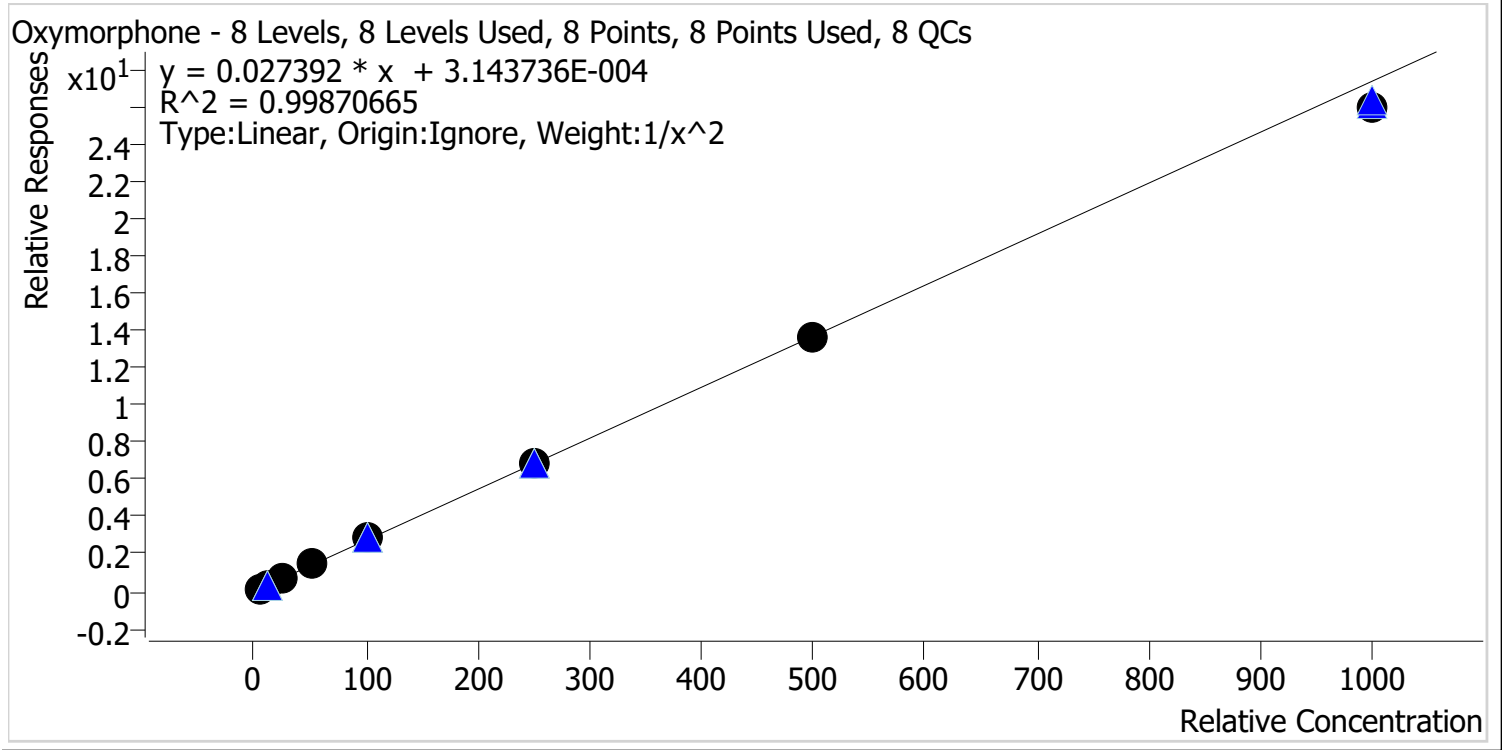**Analyte**   Oxymorphone   **Internal Standard**   Oxymorphone-D3

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

$y = 0.027392 * x + 3.143736E\text{-}004$
$R^2 = 0.99870665$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	5.0	99.5
p1 Cal 2-10ng	2	✔	10.0	10.1	100.5
p1 Cal 3 -25ng	3	✔	25.0	24.5	98.0
p1 Cal 4-50ng	4	✔	50.0	52.8	105.7
p1 Cal 5-100ng	5	✔	100.0	101.9	101.9
p1 Cal 6-250ng	6	✔	250.0	251.0	100.4
p1 Cal 7-500ng	7	✔	500.0	496.0	99.2
p1 Cal 8-1000ng	8	✔	1000.0	947.8	94.8

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin
Last Cal. Update   5/21/2021 10:30 AM
Analyst Name   ISP\datastor
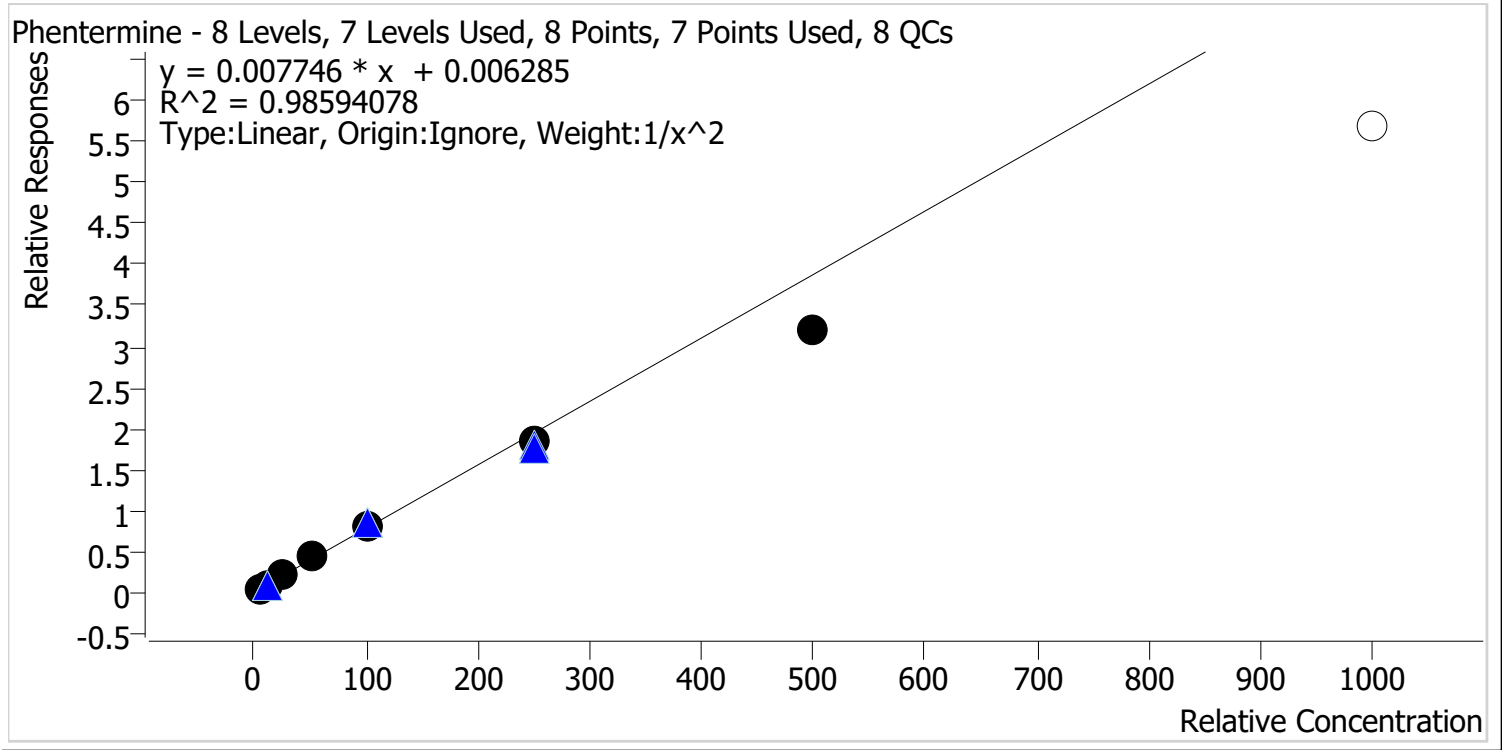**Analyte**   Phentermine   **Internal Standard**   Phentermine-D5

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

y = 0.007746 * x + 0.006285
R^2 = 0.98594078
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	4.8	96.0
p1 Cal 2-10ng	2	✔	10.0	10.3	102.6
p1 Cal 3 -25ng	3	✔	25.0	26.8	107.2
p1 Cal 4-50ng	4	✔	50.0	56.2	112.4
p1 Cal 5-100ng	5	✔	100.0	105.3	105.3
p1 Cal 6-250ng	6	✔	250.0	235.9	94.3
p1 Cal 7-500ng	7	✔	500.0	410.3	82.1
p1 Cal 8-1000ng	8	✗	1000.0	736.8	73.7

Calibrator 8 dropped due to not meeting accuracy requirement.

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin
Last Cal. Update   5/21/2021 10:30 AM
Analyst Name   ISP\datastor
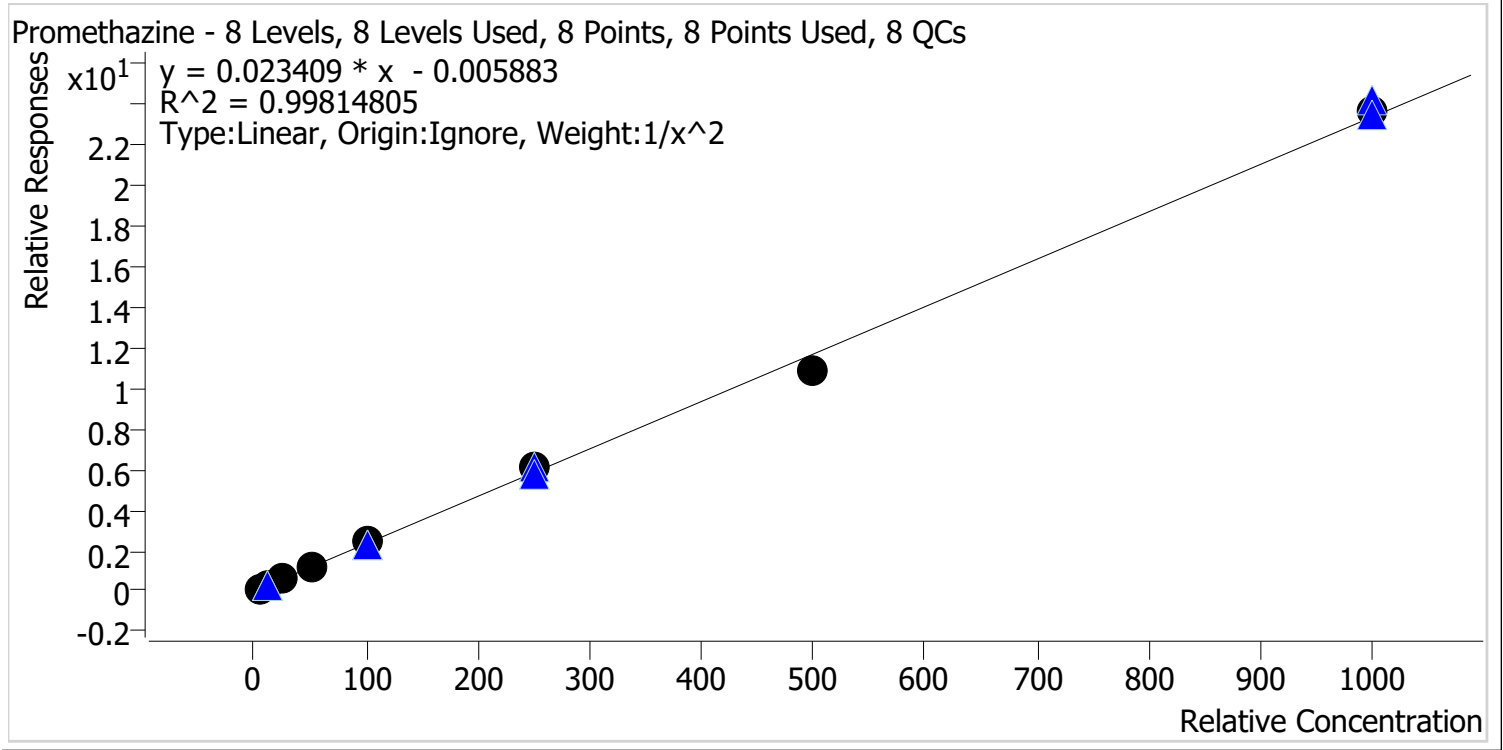**Analyte**   Promethazine   **Internal Standard**   Promethazine-D3

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

$y = 0.023409 * x - 0.005883$
$R^2 = 0.99814805$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	5.0	100.6
p1 Cal 2-10ng	2	✔	10.0	10.0	99.6
p1 Cal 3 -25ng	3	✔	25.0	23.9	95.7
p1 Cal 4-50ng	4	✔	50.0	51.9	103.8
p1 Cal 5-100ng	5	✔	100.0	101.7	101.7
p1 Cal 6-250ng	6	✔	250.0	259.3	103.7
p1 Cal 7-500ng	7	✔	500.0	466.5	93.3
p1 Cal 8-1000ng	8	✔	1000.0	1016.4	101.6

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin
Last Cal. Update   5/21/2021 10:30 AM
Analyst Name   ISP\datastor
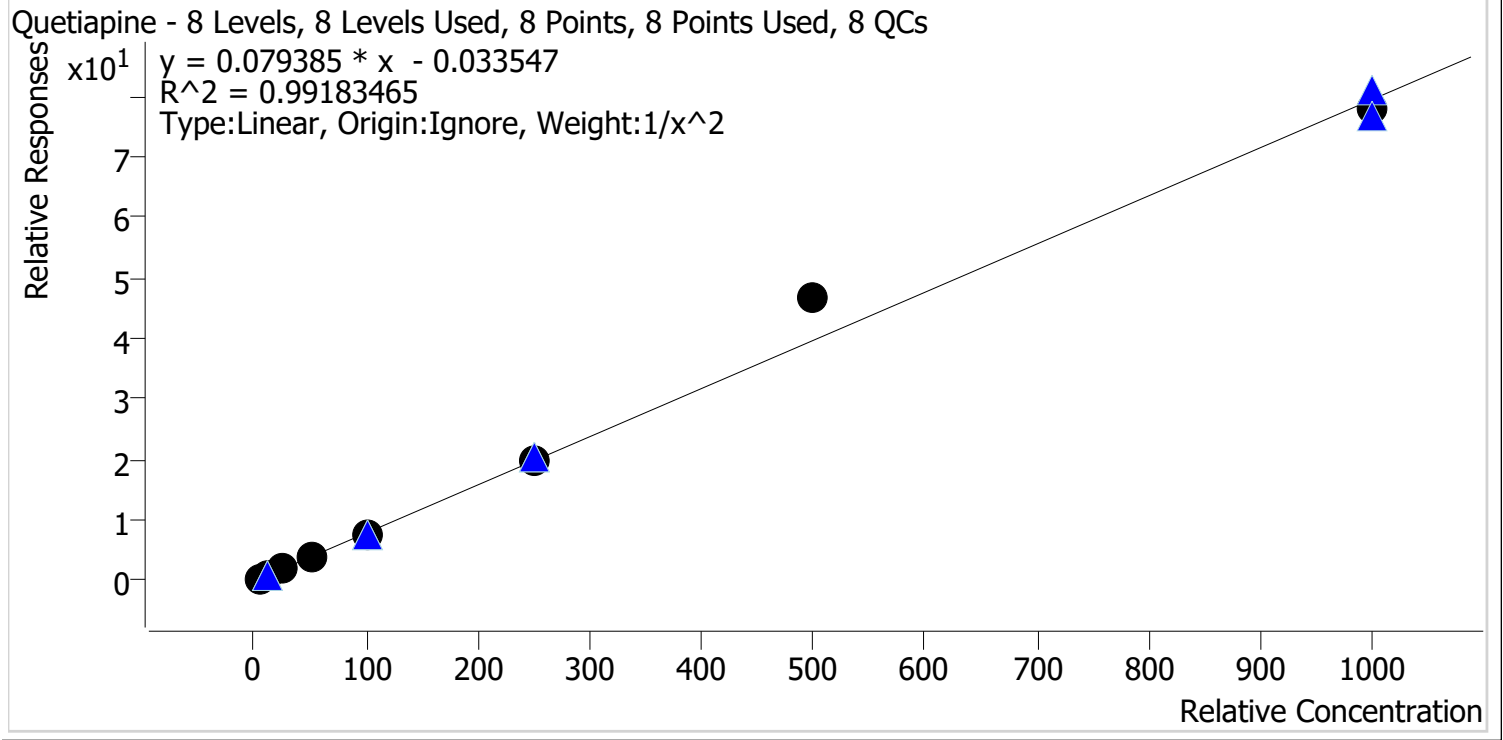**Analyte**   Quetiapine   **Internal Standard**   Quetiapine-D8

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

$y = 0.079385 * x - 0.033547$
$R^2 = 0.99183465$
Type:Linear, Origin:Ignore, Weight:1/x^2

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	9.8	97.5
p1 Cal 3 -25ng	3	✔	25.0	23.1	92.6
p1 Cal 4-50ng	4	✔	50.0	48.6	97.2
p1 Cal 5-100ng	5	✔	100.0	94.6	94.6
p1 Cal 6-250ng	6	✔	250.0	246.4	98.5
p1 Cal 7-500ng	7	✔	500.0	589.7	117.9
p1 Cal 8-1000ng	8	✔	1000.0	983.9	98.4

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin
Last Cal. Update   5/21/2021 10:30 AM
Analyst Name   ISP\datastor
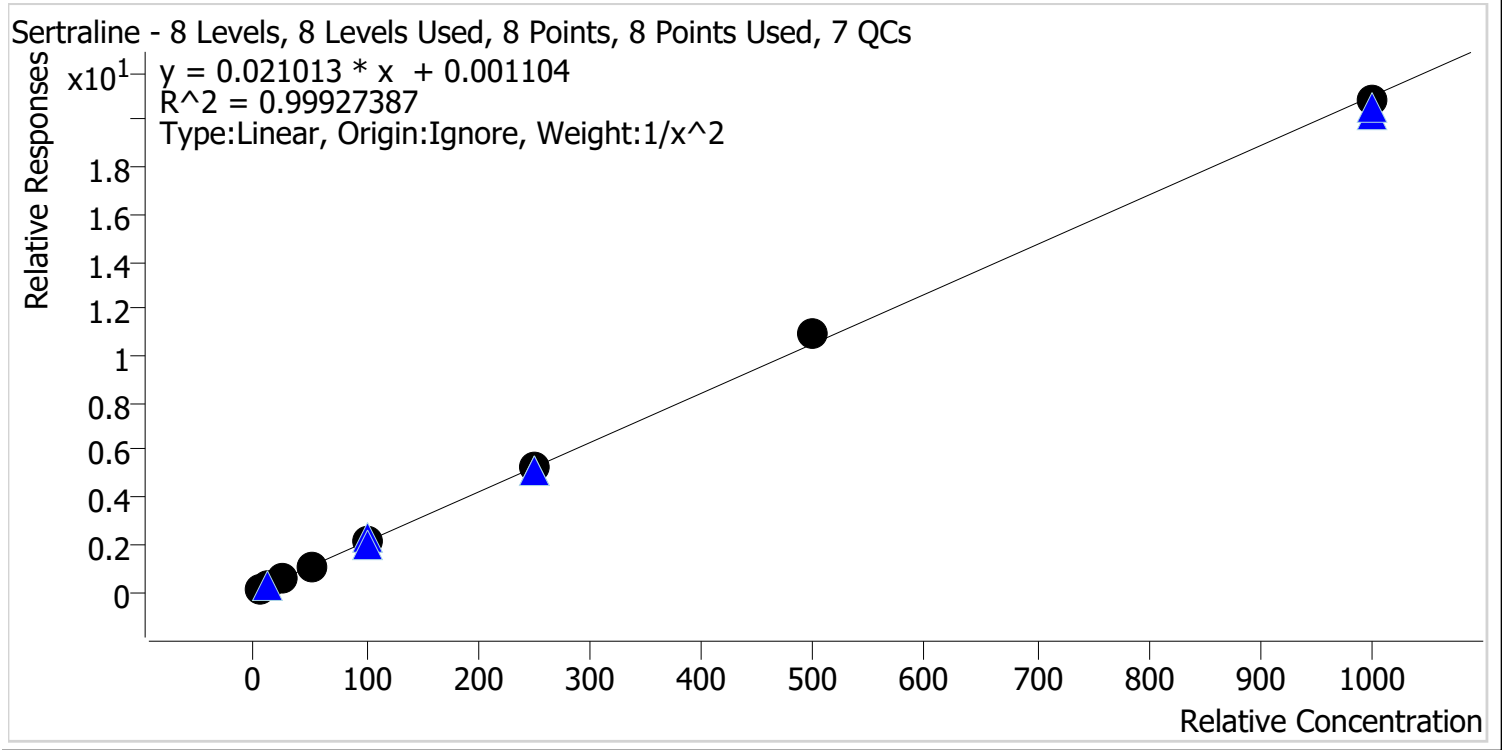**Analyte**   Sertraline   **Internal Standard**   Sertraline-D3

Sertraline - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 7 QCs

$y = 0.021013 * x + 0.001104$
$R^2 = 0.99927387$
Type:Linear, Origin:Ignore, Weight:1/x^2

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	9.7	96.8
p1 Cal 3 -25ng	3	✔	25.0	25.3	101.1
p1 Cal 4-50ng	4	✔	50.0	49.7	99.4
p1 Cal 5-100ng	5	✔	100.0	97.7	97.7
p1 Cal 6-250ng	6	✔	250.0	250.5	100.2
p1 Cal 7-500ng	7	✔	500.0	521.2	104.2
p1 Cal 8-1000ng	8	✔	1000.0	991.0	99.1

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin
Last Cal. Update   5/21/2021 10:30 AM
Analyst Name   ISP\datastor
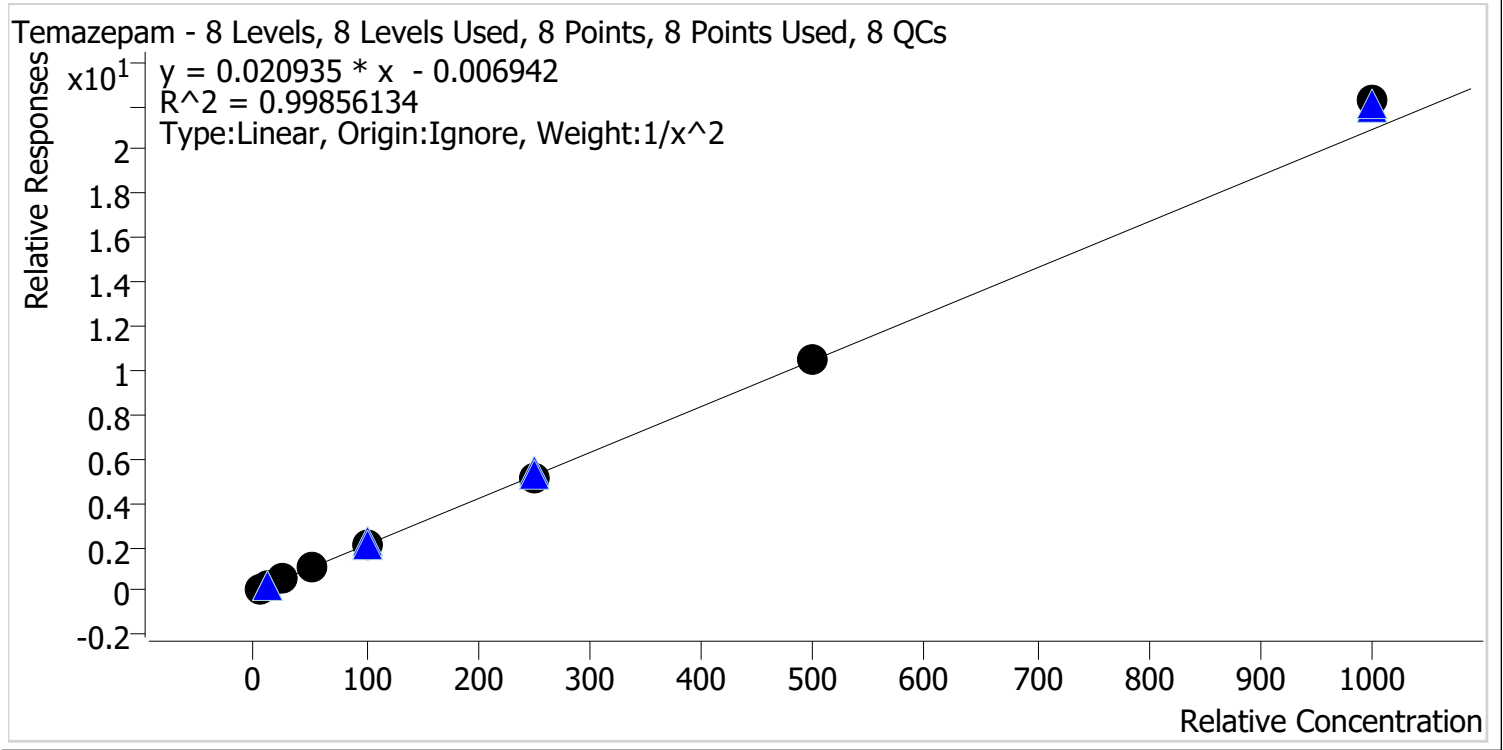**Analyte**   Temazepam   **Internal Standard**   Temazepam-D5

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

$y = 0.020935 * x - 0.006942$
$R^2 = 0.99856134$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	5.1	102.8
p1 Cal 2-10ng	2	✔	10.0	9.6	95.6
p1 Cal 3 -25ng	3	✔	25.0	24.4	97.8
p1 Cal 4-50ng	4	✔	50.0	49.5	99.0
p1 Cal 5-100ng	5	✔	100.0	98.6	98.6
p1 Cal 6-250ng	6	✔	250.0	247.4	99.0
p1 Cal 7-500ng	7	✔	500.0	504.7	100.9
p1 Cal 8-1000ng	8	✔	1000.0	1062.6	106.3

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin
Last Cal. Update   5/21/2021 10:30 AM
Analyst Name   ISP\datastor
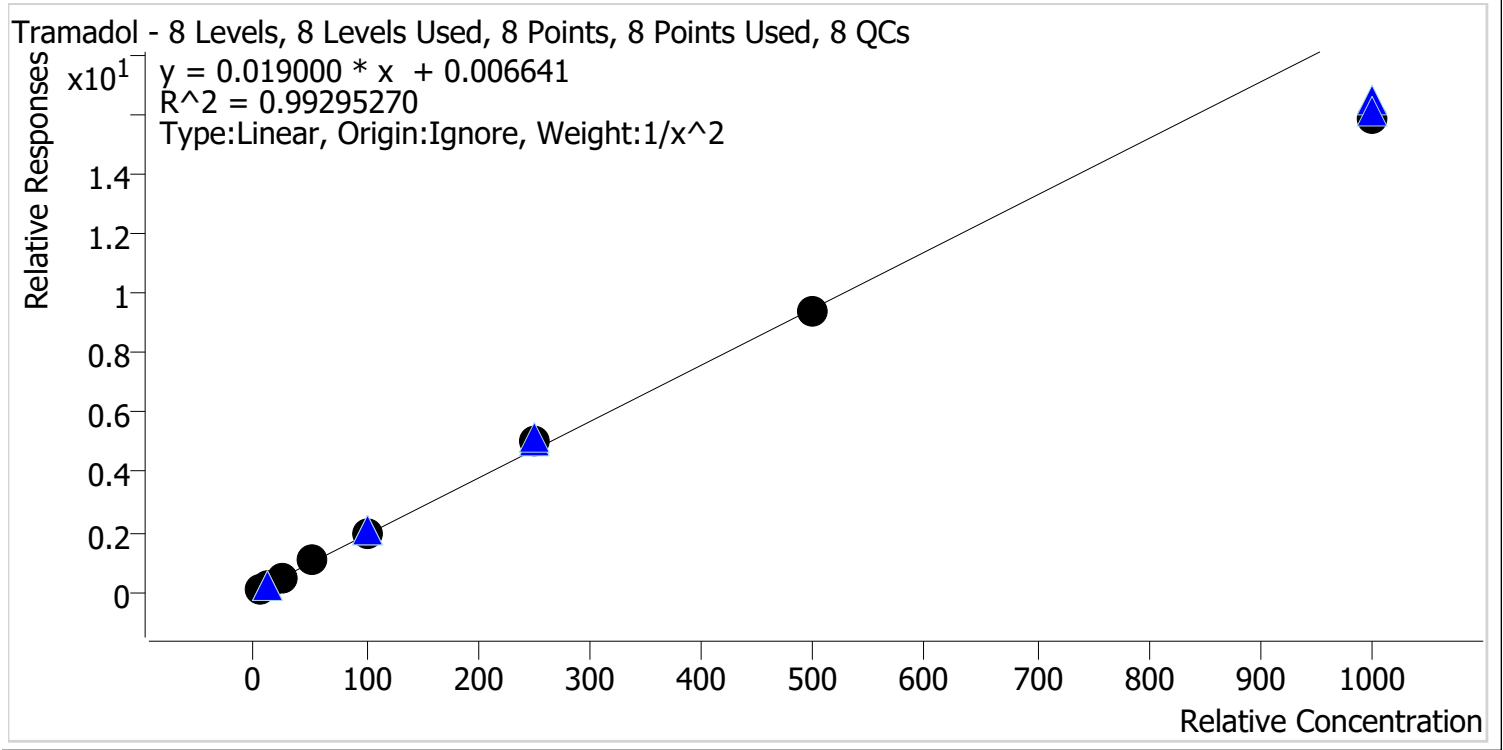**Analyte**   Tramadol   **Internal Standard**   Tramadol-13C-D3

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

$y = 0.019000 * x + 0.006641$
$R^2 = 0.99295270$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	4.9	98.6
p1 Cal 2-10ng	2	✔	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✔	25.0	25.5	101.9
p1 Cal 4-50ng	4	✔	50.0	53.4	106.8
p1 Cal 5-100ng	5	✔	100.0	104.6	104.6
p1 Cal 6-250ng	6	✔	250.0	264.3	105.7
p1 Cal 7-500ng	7	✔	500.0	492.9	98.6
p1 Cal 8-1000ng	8	✔	1000.0	836.7	83.7

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin
Last Cal. Update   5/21/2021 10:30 AM
Analyst Name   ISP\datastor
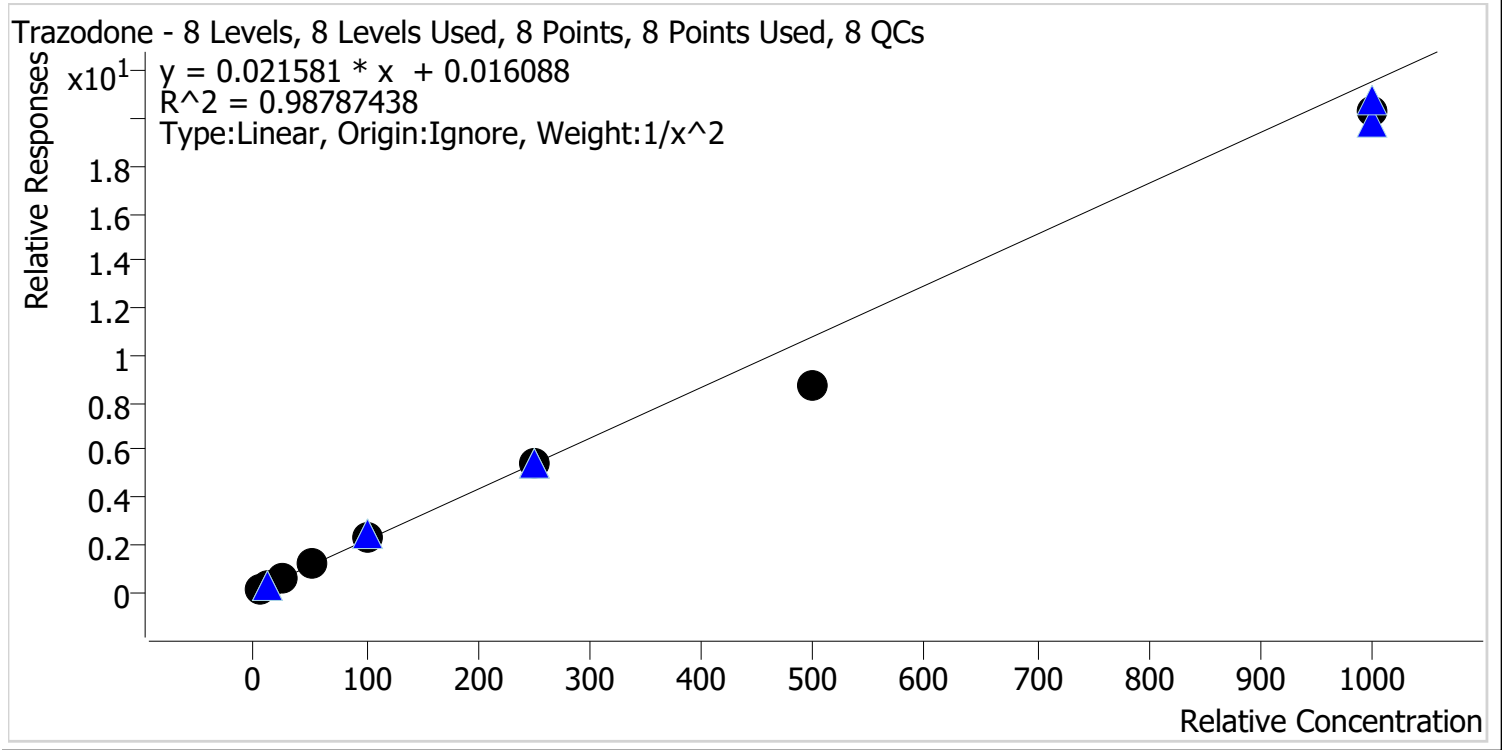**Analyte**   Trazodone   **Internal Standard**   Trazodone-D6

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

$y = 0.021581 * x + 0.016088$
$R^2 = 0.98787438$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	4.8	96.7
p1 Cal 2-10ng	2	✔	10.0	10.2	102.1
p1 Cal 3 -25ng	3	✔	25.0	25.9	103.5
p1 Cal 4-50ng	4	✔	50.0	56.6	113.2
p1 Cal 5-100ng	5	✔	100.0	108.0	108.0
p1 Cal 6-250ng	6	✔	250.0	251.6	100.6
p1 Cal 7-500ng	7	✔	500.0	406.5	81.3
p1 Cal 8-1000ng	8	✔	1000.0	944.9	94.5

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin
Last Cal. Update   5/21/2021 10:30 AM
Analyst Name   ISP\datastor
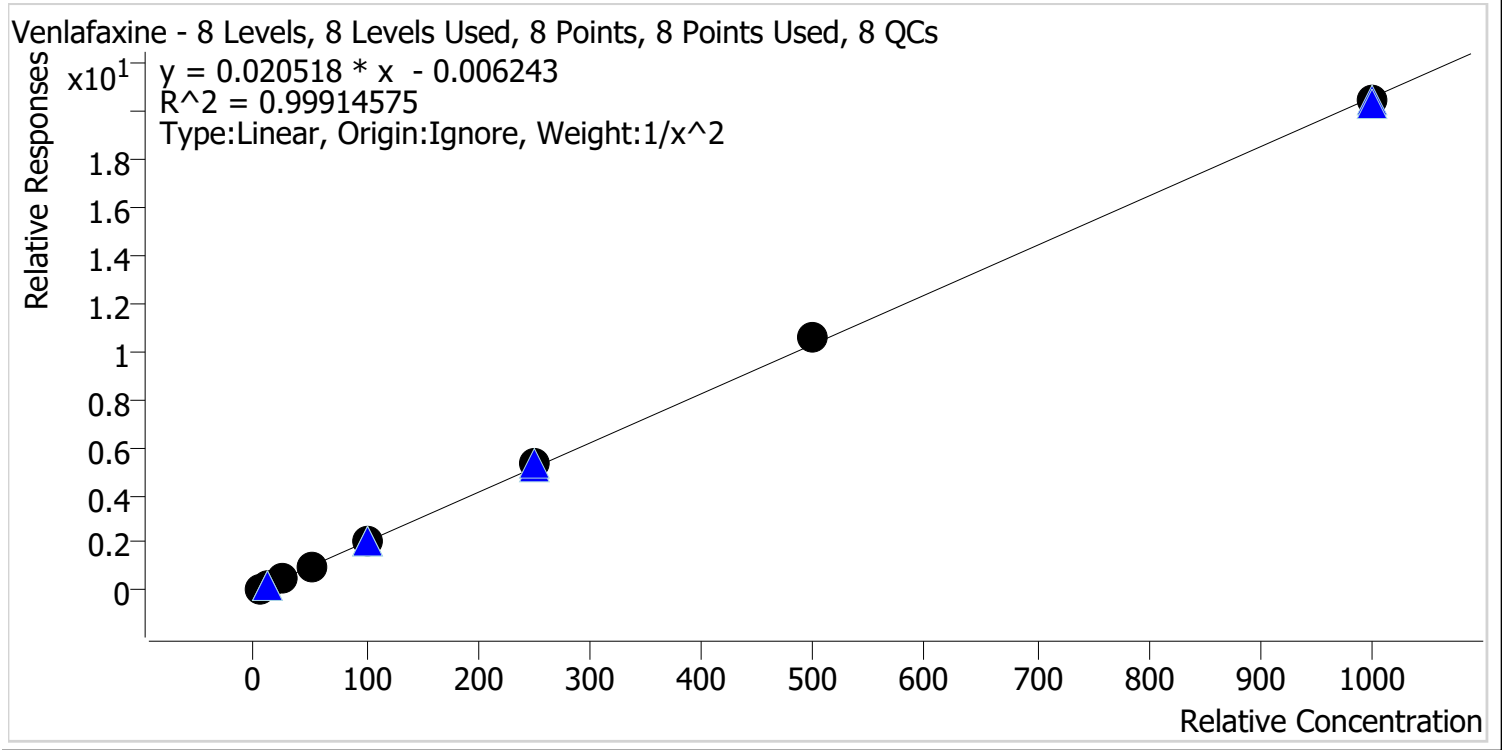**Analyte**   Venlafaxine   **Internal Standard**   Venlafaxine-D6

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

$y = 0.020518 * x - 0.006243$
$R^2 = 0.99914575$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	5.1	101.9
p1 Cal 2-10ng	2	✔	10.0	9.8	97.8
p1 Cal 3 -25ng	3	✔	25.0	23.9	95.4
p1 Cal 4-50ng	4	✔	50.0	50.2	100.5
p1 Cal 5-100ng	5	✔	100.0	99.9	99.9
p1 Cal 6-250ng	6	✔	250.0	255.4	102.2
p1 Cal 7-500ng	7	✔	500.0	516.1	103.2
p1 Cal 8-1000ng	8	✔	1000.0	991.0	99.1

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin
Last Cal. Update   5/21/2021 10:30 AM
Analyst Name   ISP\datastor
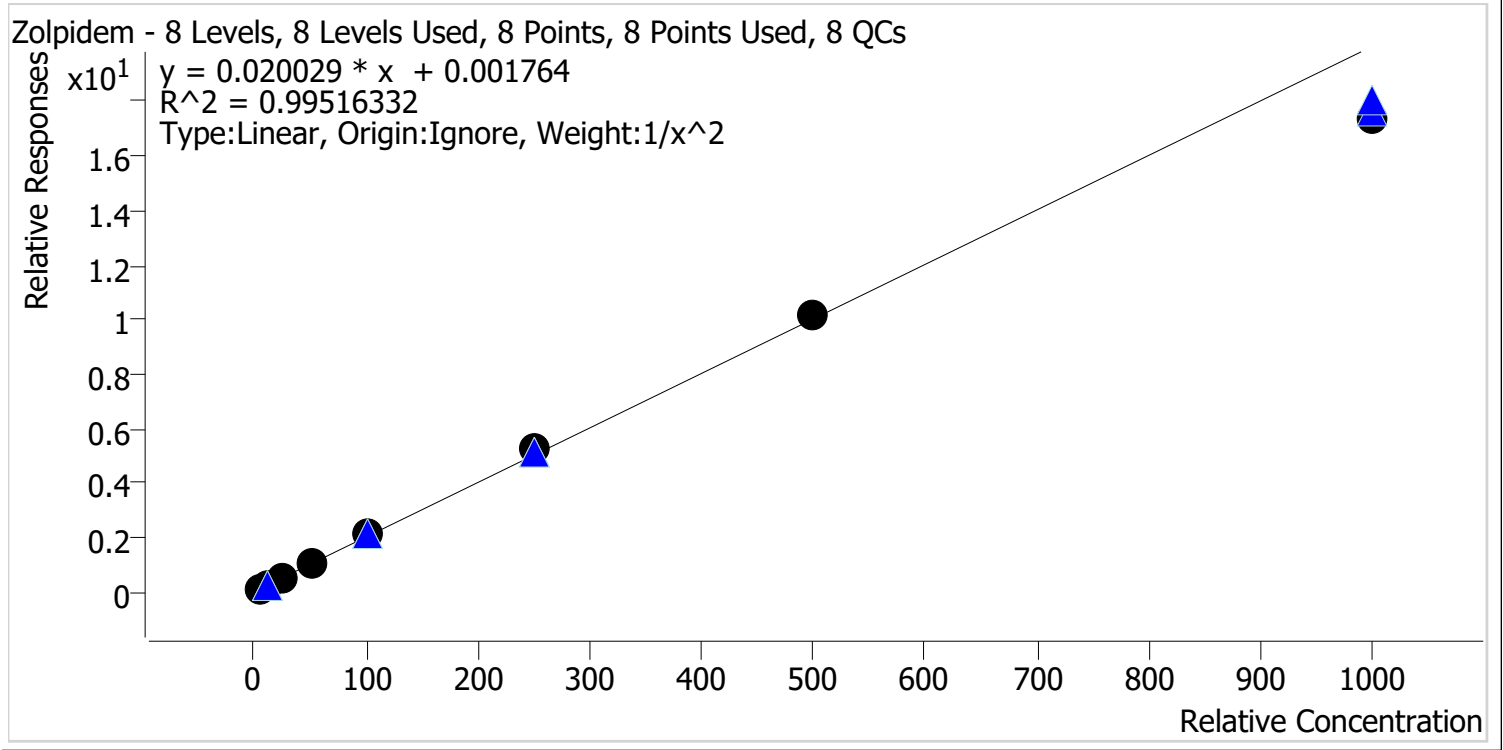**Analyte**   Zolpidem   **Internal Standard**   Zolpidem-D6

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

$y = 0.020029 * x + 0.001764$
$R^2 = 0.99516332$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

| Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✔	5.0	5.0	99.9
p1 Cal 2-10ng	2	✔	10.0	9.9	99.4
p1 Cal 3 -25ng	3	✔	25.0	24.5	98.1
p1 Cal 4-50ng	4	✔	50.0	53.0	105.9
p1 Cal 5-100ng	5	✔	100.0	104.6	104.6
p1 Cal 6-250ng	6	✔	250.0	260.1	104.1
p1 Cal 7-500ng	7	✔	500.0	507.2	101.4
p1 Cal 8-1000ng	8	✔	1000.0	866.9	86.7

AM #28 Multi-Drug Quant. Results

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin
Calibration Last Update   5/21/2021 10:30:52 AM

Instrument	Falco (069901)	**Data File**	p1 Cal 1-5ng.d
Type	Cal	**Sample**	p1 Cal 1-5ng
Acq. Method	AM 28 MDQ P1.m	**Operator**	Celena Shrum
Sample Position	P2-A5	**Comment**	
Injection Volume	2		
Acq. Date-Time	5/12/2021 9:17:36 PM		
Sample Info.			

Sample Chromatogram
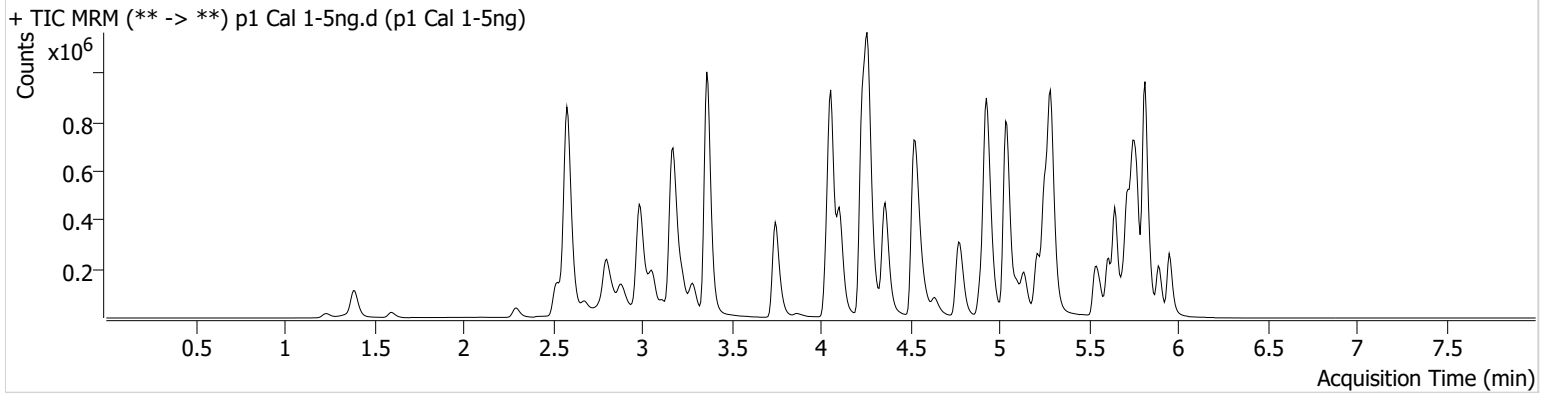
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.131	2431	2689.29	77.6	652.46	113527	0.5013 ng/ml
7-aminoclonazepam	4.278	28950	1707.14	82.1	2994.27	213699	5.2489 ng/ml
a-hydroxyalprazolam	5.699	27554	155.35	53.0	180.60	605224	4.7891 ng/ml
alpha-PHP	4.937	31534	543.40	270.5	174.79	1079316	5.0005 ng/ml
alpha-PVP	4.370	119873	2875.20	52.1	128.55	1079316	5.0307 ng/ml
Alprazolam	5.775	83035	286.76	112.7	511.95	605224	5.0933 ng/ml
Amphetamine	3.063	235477	199.36	48.6	668.71	448947	4.7961 ng/ml
Benzoylecgonine	3.892	3480	25.85	6.5	43.03	25222	5.0936 ng/ml
Buprenorphine	5.907	1884	73.15	15.9	1022.27	129052	0.5063 ng/ml
Bupropion	4.795	107963	61939.48	59.1	130.91	774970	5.0324 ng/ml
Carisoprodol	5.724	78337	23387.90	58.1	164.45	805584	5.1226 ng/ml
Citalopram	5.219	55438	65.30	42.6	77.16	525429	5.0862 ng/ml
Clonazepam	5.612	96592	165.42	31.6	8650.41	221374	4.7757 ng/ml
Clonazolam	5.555	63956	1266.89	37.4	29025.38	221374	4.8433 ng/ml
Cocaine	4.264	101574	454.14	51.0	189102.39	1931456	5.0519 ng/ml
Codeine	2.573	12382	32384.75	101.7	374.64	115950	4.8380 ng/ml
Cyclobenzaprine	5.622	12230	51430.87	10.2	18.34	101734	5.1057 ng/ml
Dextromethorphan	5.262	27339	463.20	80.3	38949.39	257821	5.1187 ng/ml
Dextrorphan	4.112	33698	1012.97	210.2	127.87	834001	5.0589 ng/ml
Diazepam	5.960	49305	267.41	85.5	301.91	449874	5.0487 ng/ml
Dihydrocodeine	2.552	29420	4660.23	66.0	115.73	344015	4.8566 ng/ml
Diphenhydramine	5.289	150156	925.09	32.8	105.37	1791809	5.1493 ng/ml
Doxylamine	4.543	238419	1300.63	101.2	313.07	2143797	4.9659 ng/ml
EDDP	5.261	95224	83.77	41.0	1362.45	978155	5.1138 ng/ml
Etizolam	5.813	48795	3893.88	25.8	1398.51	221374	5.0337 ng/ml
Fentanyl	5.109	2591	140.00	68.9	1356.75	255878	0.5017 ng/ml
Flualprazolam	5.705	38977	921.33	98.1	10992.14	605224	4.9514 ng/ml
Fluoxetine	5.700	8211	34.04	8.4	2041.03	67855	4.9625 ng/ml
Hydrocodone	3.018	44591	114.99	39.2	91.41	1023728	4.8741 ng/ml
Hydromorphone	1.601	39157	1590.45	78.1	59680.85	11974	4.8264 ng/ml
Ketamine	4.059	93395	1376.03	35.3	217.43	836387	4.9878 ng/ml
Lamotrigine	4.280	7803	181.24	80.9	429.84	836387	4.7430 ng/ml
Levetiracetam	2.683	36735	328.36	166.3	278.67	2280297	5.1446 ng/ml

AM #28 Multi-Drug Quant. Results

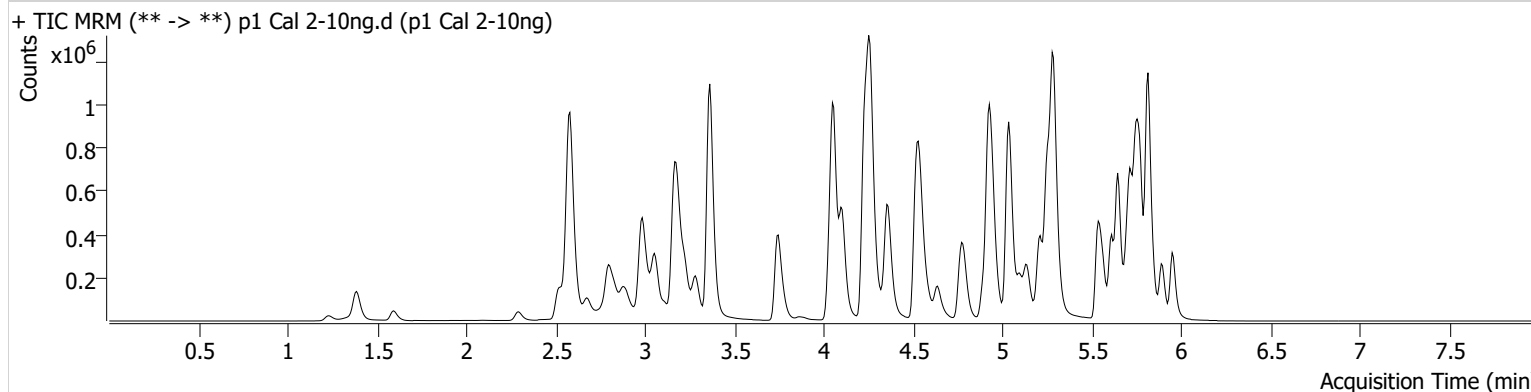| Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	95801	547.89	55.1	133.84	221374	4.8510 ng/ml
MDA	3.196	159771	306.33	23.2	98.22	749867	4.7176 ng/ml
MDMA	3.290	98783	1764.68	74.0	479.33	175833	5.0350 ng/ml
Meprobamate	4.924	44730	493.03	27.7	232.29	416386	4.9390 ng/ml
Methadone	5.653	86622	646.56	49.3	196.83	809176	5.0831 ng/ml
Methamphetamine	3.231	182505	404.19	36.6	757.55	1292670	4.8148 ng/ml
Metoprolol	4.326	23851	412.09	90.2	294.07	2193454	4.9534 ng/ml
Mirtazapine	4.637	101391	956.72	52.7	206.35	1079316	5.1015 ng/ml
Mitragynine	5.244	12937	24934.57	45.1	39.99	809176	4.8663 ng/ml
Morphine	1.240	5905	355.77	32.7	374.49	11974	4.9674 ng/ml
Norbuprenorphine	4.992	205	52.44	102.9	431.61	19968	0.4849 ng/ml
Nordiazepam	5.900	51463	1029.04	54.9	532.13	336254	5.0227 ng/ml
Norfentanyl	4.079	21038	294.31	34.0	21.98	1846043	0.5163 ng/ml
Norhydrocodone	3.066	6804	34.21	43.4	59.15	121798	5.2180 ng/ml
Noroxycodone	2.903	50591	1130.58	43.6	16669.32	352831	4.9719 ng/ml
O-desmethyl-tramadol	3.369	202400	4097.88	6.3	173.18	2413615	5.0533 ng/ml
Oxazepam	5.756	109756	173.94	71.9	96.25	870855	4.9580 ng/ml
Oxycodone	2.834	92272	337.33	26.7	589.51	802371	4.9332 ng/ml
Oxymorphone	1.391	45043	222.43	43.1	268.96	329784	4.9747 ng/ml
Phentermine	3.783	46586	651.93	4.2	13.97	1071408	4.8022 ng/ml
Promethazine	5.538	29252	170.29	28.6	89.79	261568	5.0286 ng/ml
Pseudoephedrine	2.589	242317	5055.05	16.1	175.56	2280297	5.1872 ng/ml
Quetiapine	5.569	64430	125.37	56.4	4476.26	171475	5.1557 ng/ml
Sertraline	5.776	2641	21.97	95.4	39.68	24511	5.0760 ng/ml
Temazepam	5.823	176485	257.28	30.8	37.89	1753460	5.1393 ng/ml
Tramadol	4.246	220123	467.98	3.5	155.45	2193454	4.9322 ng/ml
Trazodone	5.197	50262	133026.21	76.3	57510.10	417248	4.8363 ng/ml
Venlafaxine	5.043	189107	355.03	39.7	734.76	1924320	5.0938 ng/ml
Zolpidem	4.948	214131	1544.42	31.7	1162.17	2104264	4.9927 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin
Calibration Last Update   5/21/2021 10:30:52 AM

Instrument	Falco (069901)	**Data File**	p1 Cal 2-10ng.d
Type	Cal	**Sample**	p1 Cal 2-10ng
Acq. Method	AM 28 MDQ P1.m	**Operator**	Celena Shrum
Sample Position	P2-B5	**Comment**	
Injection Volume	2		
Acq. Date-Time	5/12/2021 9:28:22 PM		
Sample Info.			

Sample Chromatogram

+ TIC MRM (** -> **) p1 Cal 2-10ng.d (p1 Cal 2-10ng)

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	4891	109.00	69.5	4387.59	117519	1.0125 ng/ml
7-aminoclonazepam	4.271	54912	1307.99	84.0	96.91	215350	9.3378 ng/ml
a-hydroxyalprazolam	5.699	55091	1880.26	53.9	678.61	613583	9.9395 ng/ml
alpha-PHP	4.937	64331	558.76	265.3	1629.87	1091663	10.0938 ng/ml
alpha-PVP	4.370	241610	38877.73	52.2	2411.33	1091663	9.9191 ng/ml
Alprazolam	5.775	165511	519.62	111.5	482.46	613583	9.7209 ng/ml
Amphetamine	3.063	457933	356.44	49.0	635.45	454917	10.2787 ng/ml
Benzoylecgonine	3.892	6758	100.09	8.2	64.83	25768	9.8245 ng/ml
Buprenorphine	5.907	4424	89.47	16.3	1726.62	162119	0.9918 ng/ml
Bupropion	4.788	220678	4186.61	59.7	2677.20	806650	9.8973 ng/ml
Carisoprodol	5.724	157966	58935.85	55.3	401.75	793306	9.8803 ng/ml
Citalopram	5.212	133764	382.88	42.6	94564.43	633721	9.8069 ng/ml
Clonazepam	5.612	191244	2839.31	30.5	667.48	220376	10.3139 ng/ml
Clonazolam	5.555	127486	60958.14	36.2	91840.63	220376	10.3104 ng/ml
Cocaine	4.257	208095	280.13	49.9	3928.85	1956835	9.9201 ng/ml
Codeine	2.573	24404	401.42	109.1	98351.88	119668	10.1454 ng/ml
Cyclobenzaprine	5.615	63133	4267.53	8.9	1898.69	265703	9.7037 ng/ml
Dextromethorphan	5.262	70602	32449.33	80.7	4273.28	351586	9.5659 ng/ml
Dextrorphan	4.105	72448	247.32	197.8	1190.79	880691	9.9150 ng/ml
Diazepam	5.960	100137	394.55	87.5	411.92	473667	9.7627 ng/ml
Dihydrocodeine	2.552	60496	1056.63	65.8	369.28	361871	10.1066 ng/ml
Diphenhydramine	5.289	344465	4879.12	33.2	122.69	2163540	9.5370 ng/ml
Doxylamine	4.543	488654	8532.98	96.9	18214.26	2183523	9.9860 ng/ml
EDDP	5.254	216178	9526.81	41.9	18726.87	1133431	9.7259 ng/ml
Etizolam	5.813	101353	4942.46	24.5	62568.23	220376	10.1485 ng/ml
Fentanyl	5.116	8857	106.19	63.2	15752.19	423280	1.0122 ng/ml
Flualprazolam	5.705	77188	242.34	96.5	8095.21	613583	9.8753 ng/ml
Fluoxetine	5.707	78608	1738.75	8.7	67.79	326875	10.0961 ng/ml
Hydrocodone	3.012	89361	118.12	38.5	59.58	1061552	10.1621 ng/ml
Hydromorphone	1.595	80146	23.60	78.4	464537.64	12147	10.3022 ng/ml
Ketamine	4.051	183033	575.80	37.1	54.98	857006	9.9147 ng/ml
Lamotrigine	4.273	16797	1423.34	77.2	656.79	857006	10.4543 ng/ml
Levetiracetam	2.676	74286	779.33	165.3	1442.84	2343935	9.7290 ng/ml

AM #28 Multi-Drug Quant. Results

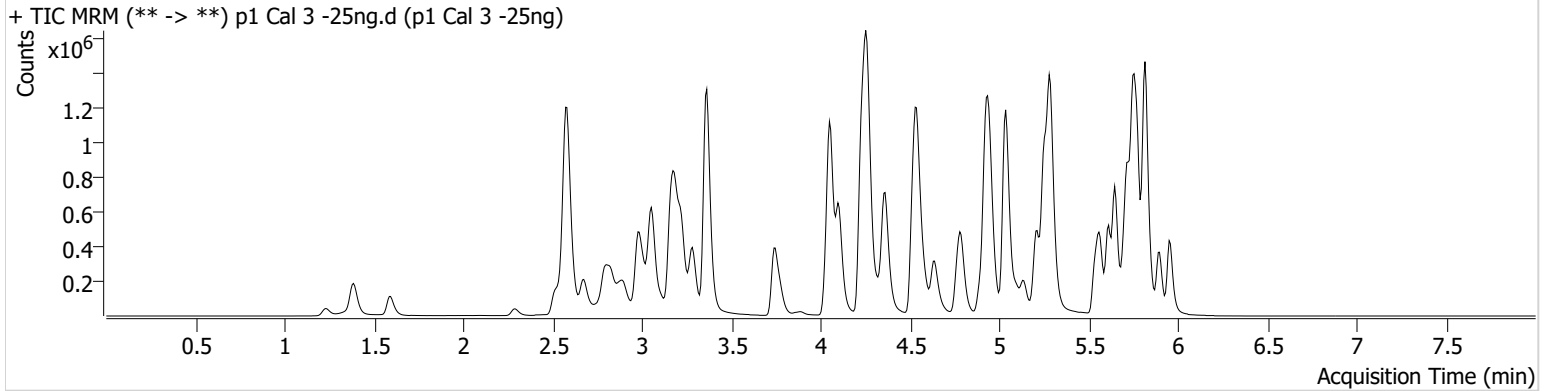| Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	186261	833.91	55.5	119.26	220376	10.5044 ng/ml
MDA	3.196	320370	1367.48	23.7	100.57	770461	10.4320 ng/ml
MDMA	3.290	197147	14976.93	72.7	1582.63	181192	9.8205 ng/ml
Meprobamate	4.917	92306	5096.24	28.4	1082.66	429708	10.1949 ng/ml
Methadone	5.653	225923	550.62	46.6	1597.87	1063196	9.8131 ng/ml
Methamphetamine	3.231	352304	724.99	36.8	1122.23	1325740	10.2119 ng/ml
Metoprolol	4.326	47673	78154.43	90.1	1007.96	2253052	9.9432 ng/ml
Mirtazapine	4.637	235722	1655.44	51.3	1542.36	1091663	10.2820 ng/ml
Mitragynine	5.244	38823	89360.15	37.2	147.19	1063196	10.7446 ng/ml
Morphine	1.233	11564	570.46	35.2	82.53	12147	9.9352 ng/ml
Norbuprenorphine	4.992	556	105.57	101.3	353.08	23940	1.0781 ng/ml
Nordiazepam	5.900	105222	2900.52	55.9	3538.01	357692	9.8335 ng/ml
Norfentanyl	4.079	42917	3972.96	36.4	144.23	1915430	0.9628 ng/ml
Norhydrocodone	3.060	14387	106.37	40.7	∞	131081	9.6541 ng/ml
Noroxycodone	2.903	104463	695.38	41.7	356.01	361282	10.0549 ng/ml
O-desmethyl-tramadol	3.369	403975	1132.67	6.7	153.22	2435620	9.8430 ng/ml
Oxazepam	5.756	211301	2622.61	73.4	74.45	871531	9.8959 ng/ml
Oxycodone	2.827	193036	580.53	26.9	757.43	836575	10.0917 ng/ml
Oxymorphone	1.391	92133	2717.00	42.2	639.78	334220	10.0521 ng/ml
Phentermine	3.776	94025	14114.41	4.2	33.84	1096464	10.2596 ng/ml
Promethazine	5.538	151992	5417.59	28.4	209.64	668483	9.9641 ng/ml
Pseudoephedrine	2.589	475750	6279.20	16.5	622.11	2343935	9.5175 ng/ml
Quetiapine	5.562	155252	96678.12	59.0	96.10	209559	9.7549 ng/ml
Sertraline	5.776	34239	216.23	100.1	5705.78	167422	9.6797 ng/ml
Temazepam	5.823	350776	513.23	29.8	369.90	1815565	9.5603 ng/ml
Tramadol	4.246	443500	6214.93	3.6	311.50	2253052	10.0105 ng/ml
Trazodone	5.197	137939	7705.34	77.6	121370.02	583376	10.2109 ng/ml
Venlafaxine	5.037	380246	728.38	38.7	496.62	1954712	9.7850 ng/ml
Zolpidem	4.948	432786	6603.79	31.6	63128.13	2155475	9.9368 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin
Calibration Last Update 5/21/2021 10:30:52 AM

Instrument	Falco (069901)	**Data File**	p1 Cal 3 -25ng.d
Type	Cal	**Sample**	p1 Cal 3 -25ng
Acq. Method	AM 28 MDQ P1.m	**Operator**	Celena Shrum
Sample Position	P2-C5	**Comment**	
Injection Volume	2		
Acq. Date-Time	5/12/2021 9:38:57 PM		
Sample Info.			

Sample Chromatogram

+ TIC MRM (** -> **) p1 Cal 3 -25ng.d (p1 Cal 3 -25ng)

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	11282	234.91	67.6	13587.72	118626	2.3655 ng/ml
7-aminoclonazepam	4.271	139038	81.57	80.2	1601.02	212062	23.0448 ng/ml
a-hydroxyalprazolam	5.699	134221	509.53	55.2	446.39	602846	25.4009 ng/ml
alpha-PHP	4.937	151433	1399.89	272.4	3624.02	1066515	24.3319 ng/ml
alpha-PVP	4.363	583725	9375.33	52.8	692.97	1066515	24.3724 ng/ml
Alprazolam	5.775	404496	604.25	113.5	∞	602846	23.7289 ng/ml
Amphetamine	3.056	1070953	843.02	48.5	1199.18	437477	26.6702 ng/ml
Benzoylecgonine	3.892	16035	633.12	8.3	195.26	25729	23.5651 ng/ml
Buprenorphine	5.907	8283	292.19	14.8	823.84	131642	2.3547 ng/ml
Bupropion	4.788	504716	1123.49	60.3	428.37	751117	24.3325 ng/ml
Carisoprodol	5.724	371991	445371.53	56.7	4637.28	782054	22.7939 ng/ml
Citalopram	5.212	280073	320.99	43.2	7300.31	530972	23.9555 ng/ml
Clonazepam	5.612	477582	9643.23	30.6	6275.84	224252	26.5104 ng/ml
Clonazolam	5.555	310239	95022.71	36.3	83216.76	224252	25.5069 ng/ml
Cocaine	4.257	501338	771036.30	50.7	275.49	1906559	24.1035 ng/ml
Codeine	2.566	59448	262.54	106.1	364.34	118660	26.3747 ng/ml
Cyclobenzaprine	5.615	75910	81339.45	9.4	916.29	125507	24.0868 ng/ml
Dextromethorphan	5.262	135962	162.00	79.1	555.23	263937	24.3161 ng/ml
Dextrorphan	4.105	170936	466446.96	202.9	1353.92	847141	23.7810 ng/ml
Diazepam	5.960	245566	762.21	87.6	2090.25	466569	24.3441 ng/ml
Dihydrocodeine	2.545	148855	12286.90	65.3	450.09	354673	26.3421 ng/ml
Diphenhydramine	5.289	741666	59403.78	32.9	256.27	1851317	23.5826 ng/ml
Doxylamine	4.536	1212236	32773.31	99.1	33758.50	2172665	24.8869 ng/ml
EDDP	5.254	538872	12395.44	42.1	154.08	1138325	23.6870 ng/ml
Etizolam	5.813	238968	9239.90	26.0	66748.47	224252	23.0849 ng/ml
Fentanyl	5.109	13143	217.16	66.7	24765.68	264228	2.3744 ng/ml
Flualprazolam	5.705	193861	10361.82	94.8	81996.47	602846	25.5764 ng/ml
Fluoxetine	5.700	56504	205.21	8.6	289.82	98462	24.4213 ng/ml
Hydrocodone	3.012	218814	∞	39.7	120.64	1082180	25.5248 ng/ml
Hydromorphone	1.595	198590	1055876.46	77.1	1860653.13	12325	25.9569 ng/ml
Ketamine	4.051	433291	442.19	37.9	399.19	829063	24.8564 ng/ml
Lamotrigine	4.273	40677	235.73	79.5	2153.31	829063	26.8382 ng/ml
Levetiracetam	2.676	176576	2369.12	164.7	1509.18	2262977	23.3606 ng/ml

p1 Cal 3 -25ng

Generated at 10:31 AM on 5/21/2021

AM #28 Multi-Drug Quant. Results

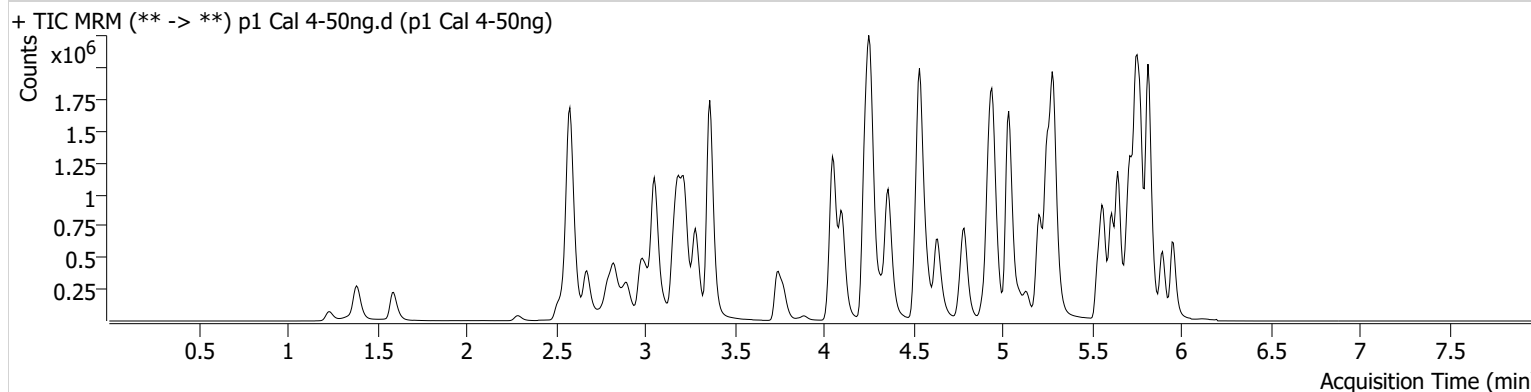| Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	434131	2129.43	58.0	691.74	224252	25.4549 ng/ml
MDA	3.189	739246	3930.27	24.1	525.72	732767	27.1462 ng/ml
MDMA	3.283	477721	3448.12	73.1	1335.74	176149	24.5882 ng/ml
Meprobamate	4.917	219967	29120.28	27.8	4762.39	424164	25.0628 ng/ml
Methadone	5.646	440870	6827.06	47.8	413.31	845313	23.6765 ng/ml
Methamphetamine	3.224	818095	1307.98	37.6	1656.04	1278844	26.4163 ng/ml
Metoprolol	4.319	117707	150330.03	90.8	1286.15	2215822	25.4492 ng/ml
Mirtazapine	4.637	505033	2549.87	51.9	8974.91	1066515	21.2220 ng/ml
Mitragynine	5.244	69558	100568.46	38.8	783.31	845313	23.8516 ng/ml
Morphine	1.233	29052	102.61	34.3	144.68	12325	25.1486 ng/ml
Norbuprenorphine	4.986	1063	2436.35	99.2	670.97	19869	2.4623 ng/ml
Nordiazepam	5.900	257340	1008.56	57.2	477.02	352198	24.7136 ng/ml
Norfentanyl	4.079	105041	2880.95	34.2	372.56	1857043	2.3481 ng/ml
Norhydrocodone	3.053	33378	125.41	41.3	120.12	124147	22.7503 ng/ml
Noroxycodone	2.896	252838	349.66	41.9	544.02	356841	24.6801 ng/ml
O-desmethyl-tramadol	3.362	992592	31407.91	6.7	294.12	2418713	24.1251 ng/ml
Oxazepam	5.756	514397	3507.13	74.3	333.55	851073	25.2491 ng/ml
Oxycodone	2.827	468976	2144.62	26.6	799.58	824966	25.1435 ng/ml
Oxymorphone	1.385	221273	∞	42.3	∞	329407	24.5112 ng/ml
Phentermine	3.776	228627	204.79	4.0	63.95	1068929	26.8019 ng/ml
Promethazine	5.538	174015	1830.90	28.7	88.95	314164	23.9130 ng/ml
Pseudoephedrine	2.589	1167173	19369.90	16.6	23064.92	2262977	23.5240 ng/ml
Quetiapine	5.562	326381	10145.52	56.9	8422.41	180971	23.1409 ng/ml
Sertraline	5.776	21453	186.36	97.8	106.74	40313	25.2724 ng/ml
Temazepam	5.823	865477	2806.50	29.1	1848.74	1714354	24.4461 ng/ml
Tramadol	4.239	1086900	5656.95	3.6	261.82	2215822	25.4667 ng/ml
Trazodone	5.197	248782	233.42	79.4	307730.79	433099	25.8717 ng/ml
Venlafaxine	5.037	929011	19623.06	38.5	437.33	1922234	23.8587 ng/ml
Zolpidem	4.948	1037586	5432.68	32.0	1371.13	2105687	24.5144 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin
Calibration Last Update   5/21/2021 10:30:52 AM

Instrument	Falco (069901)	**Data File**	p1 Cal 4-50ng.d
Type	Cal	**Sample**	p1 Cal 4-50ng
Acq. Method	AM 28 MDQ P1.m	**Operator**	Celena Shrum
Sample Position	P2-D5	**Comment**	
Injection Volume	2		
Acq. Date-Time	5/12/2021 9:49:33 PM		
Sample Info.			

Sample Chromatogram

+ TIC MRM (** -> **) p1 Cal 4-50ng.d (p1 Cal 4-50ng)

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	23560	737.86	69.1	493.13	114087	5.1834 ng/ml
7-aminoclonazepam	4.271	284090	2483.60	79.7	603.21	195635	50.2939 ng/ml
a-hydroxyalprazolam	5.699	252415	719.17	57.2	659.97	545395	53.3497 ng/ml
alpha-PHP	4.937	299555	569.92	273.0	23849.64	1016301	50.5184 ng/ml
alpha-PVP	4.363	1174540	14842.68	51.8	10010.50	1016301	51.3453 ng/ml
Alprazolam	5.775	817805	2504.12	112.3	∞	545395	52.6538 ng/ml
Amphetamine	3.056	2062863	2200.88	48.9	7400.73	403951	56.9047 ng/ml
Benzoylecgonine	3.892	34468	410.01	7.3	125.79	25681	50.9335 ng/ml
Buprenorphine	5.907	18715	645.27	15.7	9085.60	138409	5.1204 ng/ml
Bupropion	4.788	982429	20383.17	60.1	5474.85	683582	52.0601 ng/ml
Carisoprodol	5.724	730960	24827.49	56.6	829.82	690995	49.9805 ng/ml
Citalopram	5.212	595171	302.44	42.5	631.25	525102	51.0530 ng/ml
Clonazepam	5.612	918416	3535.85	31.1	509023.61	203358	57.1435 ng/ml
Clonazolam	5.555	593243	23954.83	37.2	296409.59	203358	54.4635 ng/ml
Cocaine	4.257	1022252	56732.22	50.5	764122.03	1834935	50.7432 ng/ml
Codeine	2.566	120892	94.45	100.8	63.09	112662	57.6273 ng/ml
Cyclobenzaprine	5.615	180810	174748.06	9.0	131.28	139427	51.1897 ng/ml
Dextromethorphan	5.262	298999	1355246.65	79.4	66222.21	270360	52.0407 ng/ml
Dextrorphan	4.105	352411	1354.25	202.1	1288.23	801585	51.3771 ng/ml
Diazepam	5.960	487230	2156.50	87.9	347.72	422109	53.4198 ng/ml
Dihydrocodeine	2.545	304190	3128.07	64.3	1086.88	343803	56.2440 ng/ml
Diphenhydramine	5.289	1604506	17334.11	32.5	28643.85	1802811	52.0567 ng/ml
Doxylamine	4.536	2489502	11458.90	100.1	20973.60	2087367	53.1897 ng/ml
EDDP	5.254	1099723	25384.37	42.0	8055.34	1071950	50.9768 ng/ml
Etizolam	5.813	473586	5387.17	26.1	2796.00	203358	50.0635 ng/ml
Fentanyl	5.109	31491	384.52	67.8	9913.98	297672	5.0239 ng/ml
Flualprazolam	5.705	377799	9090.54	98.1	25802.39	545395	55.3406 ng/ml
Fluoxetine	5.700	146936	8389.01	8.6	900.82	118896	52.8662 ng/ml
Hydrocodone	3.012	446593	233.23	40.3	495.83	1031148	55.5826 ng/ml
Hydromorphone	1.595	401776	1786.29	76.5	5878.85	11701	55.9396 ng/ml
Ketamine	4.051	872298	619.12	37.5	425.92	784689	53.3336 ng/ml
Lamotrigine	4.273	81431	1409.50	77.2	1305.93	784689	57.2608 ng/ml
Levetiracetam	2.676	359326	1374.40	165.5	2201.10	2164731	49.2387 ng/ml

AM #28 Multi-Drug Quant. Results

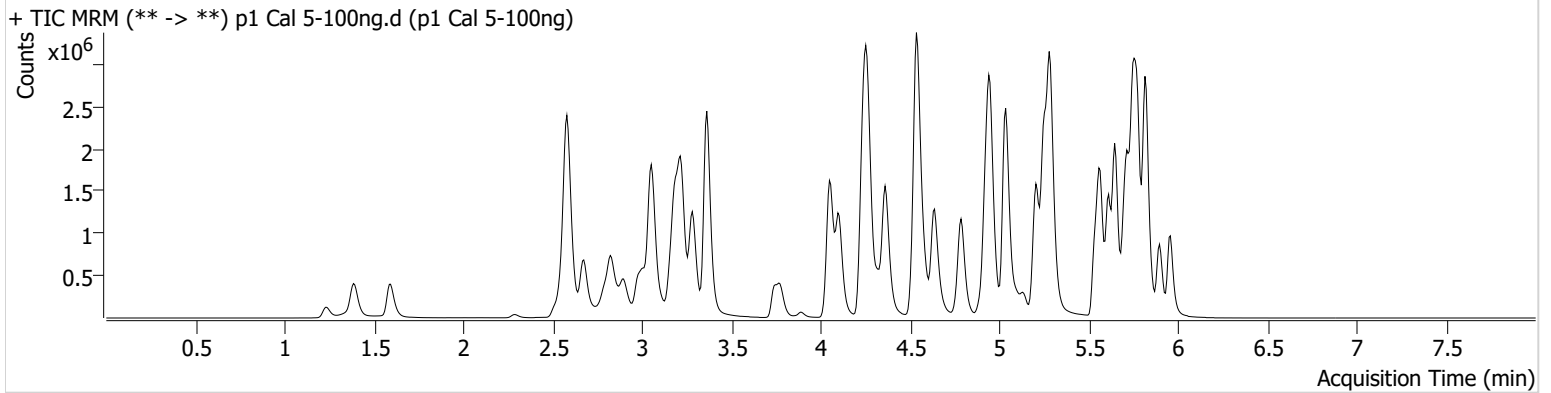| Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	800520	7511.03	56.7	88.68	203358	52.8775 ng/ml
MDA	3.189	1440661	7564.98	23.6	780.20	683838	58.0896 ng/ml
MDMA	3.283	966354	104712.22	73.4	4030.44	167511	52.3860 ng/ml
Meprobamate	4.917	427511	16513.60	28.7	245.09	396566	52.4439 ng/ml
Methadone	5.646	1007832	9700.61	47.2	1749.39	883126	51.4733 ng/ml
Methamphetamine	3.224	1656551	3498.64	37.6	8878.25	1245072	56.3476 ng/ml
Metoprolol	4.319	241307	1502.26	91.5	1195.93	2165668	53.7339 ng/ml
Mirtazapine	4.637	1068312	6525.84	51.6	2117.94	1016301	45.7529 ng/ml
Mitragynine	5.244	152537	321451.44	40.8	2281.05	883126	49.7487 ng/ml
Morphine	1.233	58592	813.61	34.2	450.50	11701	53.8402 ng/ml
Norbuprenorphine	4.986	2148	2058.29	101.6	1287.12	20507	4.8100 ng/ml
Nordiazepam	5.900	499731	1013.29	57.6	1495.07	323866	52.4064 ng/ml
Norfentanyl	4.079	212857	222.89	34.1	227.50	1751773	4.9820 ng/ml
Norhydrocodone	3.053	61610	439.57	41.6	50.35	109799	46.8068 ng/ml
Noroxycodone	2.896	505613	2462.81	41.5	388.12	335848	52.4709 ng/ml
O-desmethyl-tramadol	3.362	2081794	3962.48	6.7	11947.47	2358833	51.7043 ng/ml
Oxazepam	5.756	987885	672.28	71.3	6025.27	754219	55.1697 ng/ml
Oxycodone	2.827	970622	742.61	27.0	945.72	802347	53.7220 ng/ml
Oxymorphone	1.385	461211	883.52	40.7	∞	318571	52.8412 ng/ml
Phentermine	3.776	456985	1298.61	4.3	169.32	1034478	56.2207 ng/ml
Promethazine	5.538	418363	383.81	28.7	379.44	346120	51.8860 ng/ml
Pseudoephedrine	2.589	2385806	16180.21	16.5	31269.90	2164731	49.7800 ng/ml
Quetiapine	5.562	717915	11118.33	58.9	10848.52	187626	48.6219 ng/ml
Sertraline	5.776	61319	2071.47	100.4	1281.41	58671	49.6842 ng/ml
Temazepam	5.823	1642849	3139.65	29.7	429.25	1595299	49.5219 ng/ml
Tramadol	4.239	2211909	1467.16	3.7	388.00	2165668	53.4048 ng/ml
Trazodone	5.196	566378	77567.52	79.5	32746.25	457610	56.6055 ng/ml
Venlafaxine	5.037	1892994	1398.16	38.8	1406.34	1847451	50.2425 ng/ml
Zolpidem	4.948	2113505	4658.38	31.8	4524.94	1989358	52.9563 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin
Calibration Last Update   5/21/2021 10:30:52 AM

Instrument	Falco (069901)	**Data File**	p1 Cal 5-100ng.d
Type	Cal	**Sample**	p1 Cal 5-100ng
Acq. Method	AM 28 MDQ P1.m	**Operator**	Celena Shrum
Sample Position	P2-E5	**Comment**	
Injection Volume	2		
Acq. Date-Time	5/12/2021 10:00:08 PM		
Sample Info.			

Sample Chromatogram

+ TIC MRM (** -> **) p1 Cal 5-100ng.d (p1 Cal 5-100ng)

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.118	42916	2414.49	72.1	962.46	112004	9.6520 ng/ml
7-aminoclonazepam	4.271	529540	186.79	80.6	11262.51	189520	96.2041 ng/ml
a-hydroxyalprazolam	5.692	425861	2455.66	56.2	1024.45	510758	96.5208 ng/ml
alpha-PHP	4.930	542799	7515.76	270.2	3692.72	929990	100.0437 ng/ml
alpha-PVP	4.363	2120730	206584.54	51.8	∞	929990	101.2086 ng/ml
Alprazolam	5.775	1458068	1861.04	112.1	1417.77	510758	99.9688 ng/ml
Amphetamine	3.056	3491845	2087.84	48.2	5928.03	368606	106.5590 ng/ml
Benzoylecgonine	3.892	65054	3549.70	7.5	2958.93	24766	99.8353 ng/ml
Buprenorphine	5.907	41835	542.81	13.7	5969.44	158022	10.0753 ng/ml
Bupropion	4.788	1744138	39375.31	60.2	15181.57	632723	99.8673 ng/ml
Carisoprodol	5.724	1245220	1220066.30	55.5	341.86	598558	97.7305 ng/ml
Citalopram	5.212	1219573	651.19	42.5	750.19	565711	96.7720 ng/ml
Clonazepam	5.612	1633363	78494.89	30.4	1254.50	187413	111.0402 ng/ml
Clonazolam	5.555	1078695	6073.85	36.5	330924.79	187413	108.0508 ng/ml
Cocaine	4.257	1839754	56133.72	50.9	72996.50	1688030	98.9939 ng/ml
Codeine	2.566	207877	∞	102.4	11759.71	108765	103.4211 ng/ml
Cyclobenzaprine	5.615	473819	901.82	9.6	274.14	192489	96.8091 ng/ml
Dextromethorphan	5.262	612111	509.73	81.4	211.38	292109	98.4779 ng/ml
Dextrorphan	4.105	648332	19756.10	204.6	2201.81	759936	99.3497 ng/ml
Diazepam	5.960	915538	3834.07	87.4	2527.30	417193	101.5857 ng/ml
Dihydrocodeine	2.545	559343	2642.65	65.1	1131.06	338544	105.5847 ng/ml
Diphenhydramine	5.289	3294873	53352.16	33.0	67798.96	1927813	99.7159 ng/ml
Doxylamine	4.536	4741473	4156.80	97.7	∞	2046773	103.3074 ng/ml
EDDP	5.254	2101846	696.24	41.9	49755.46	1055815	98.6310 ng/ml
Etizolam	5.813	873043	72146.79	25.7	900821.94	187413	99.8163 ng/ml
Fentanyl	5.109	75756	1320.48	67.9	114.54	361200	9.9373 ng/ml
Flualprazolam	5.705	659585	2083.83	97.7	17269.88	510758	103.3536 ng/ml
Fluoxetine	5.700	436042	229.67	8.5	204.53	178604	104.6683 ng/ml
Hydrocodone	3.012	820289	∞	39.3	∞	991838	106.8625 ng/ml
Hydromorphone	1.595	726956	13896.33	76.5	3523.45	11418	104.1990 ng/ml
Ketamine	4.051	1585818	32829.99	37.5	2991.73	738984	103.3382 ng/ml
Lamotrigine	4.273	141305	6590.19	78.4	9506.54	738984	105.8824 ng/ml
Levetiracetam	2.676	653360	3742.79	167.0	9437.42	2006848	96.1844 ng/ml

AM #28 Multi-Drug Quant. Results

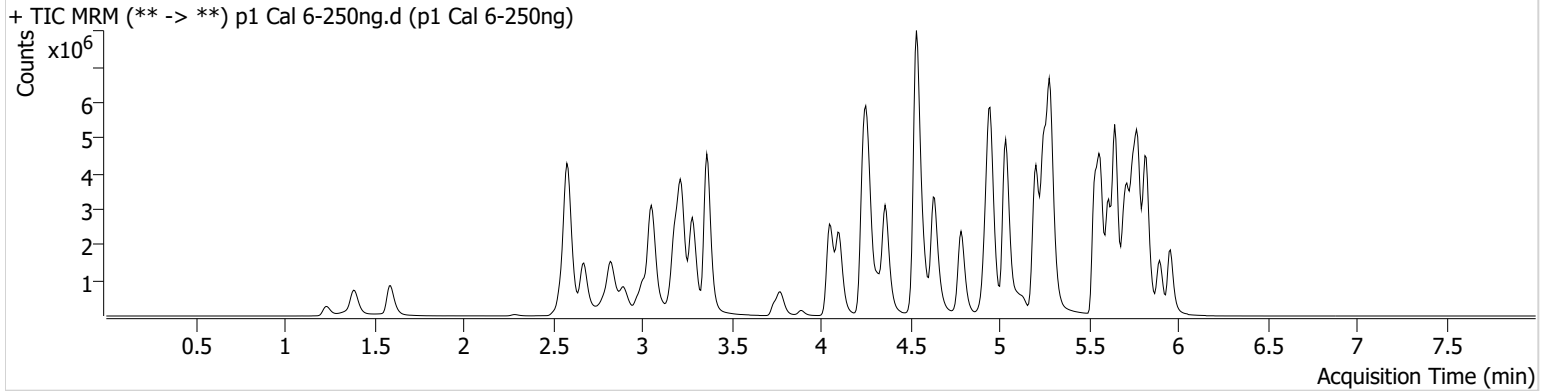| Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	1250256	133056.82	56.8	4507.55	187413	90.3611 ng/ml
MDA	3.189	2400779	3998.59	23.8	605.26	620622	107.7401 ng/ml
MDMA	3.283	1767435	14838.89	73.6	11739.91	158471	101.3468 ng/ml
Meprobamate	4.917	716018	23822.53	28.2	7897.49	371033	94.1320 ng/ml
Methadone	5.646	2165010	2045.12	48.1	1450.83	981671	99.2121 ng/ml
Methamphetamine	3.224	2952767	4802.70	36.6	3503.85	1171489	107.9123 ng/ml
Metoprolol	4.319	437640	591846.72	90.5	1263.33	2066481	102.4207 ng/ml
Mirtazapine	4.637	2207395	7135.03	50.5	37260.39	929990	101.9116 ng/ml
Mitragynine	5.244	327349	393.56	39.4	97756.13	981671	95.7771 ng/ml
Morphine	1.233	110162	3646.44	33.5	1467.23	11418	104.0852 ng/ml
Norbuprenorphine	4.986	4680	325.29	98.8	6974.24	22197	9.6653 ng/ml
Nordiazepam	5.900	957315	78555.86	55.6	946.04	313435	103.9243 ng/ml
Norfentanyl	4.079	389849	13662.46	33.9	419.91	1648838	9.6430 ng/ml
Norhydrocodone	3.053	104482	366.42	41.9	151.54	96149	90.0661 ng/ml
Noroxycodone	2.896	881892	8297.93	42.0	2880.99	301312	102.0363 ng/ml
O-desmethyl-tramadol	3.362	3890744	180835.40	6.7	13065.95	2268781	100.3212 ng/ml
Oxazepam	5.756	1596028	9151.18	72.8	711.95	641879	105.0804 ng/ml
Oxycodone	2.821	1794165	2478.50	26.7	1961.07	785692	101.5787 ng/ml
Oxymorphone	1.385	805225	∞	43.4	∞	288448	101.8997 ng/ml
Phentermine	3.776	804014	3307.14	4.2	191.58	978104	105.3134 ng/ml
Promethazine	5.538	1104558	20956.95	27.9	773.87	465136	101.6946 ng/ml
Pseudoephedrine	2.583	4311486	16094.24	16.3	85983.10	2006848	96.6297 ng/ml
Quetiapine	5.562	1538450	43563.95	58.9	27332.06	205677	94.6460 ng/ml
Sertraline	5.776	198223	1017.54	100.7	252.20	96518	97.6835 ng/ml
Temazepam	5.823	2857588	15599.52	29.6	3565.03	1388695	98.6232 ng/ml
Tramadol	4.239	4120677	2712.28	3.6	494.34	2066481	104.5988 ng/ml
Trazodone	5.197	1259716	821.34	79.1	99614.57	536584	108.0383 ng/ml
Venlafaxine	5.037	3567166	4222.84	38.2	2084.35	1746098	99.8705 ng/ml
Zolpidem	4.948	3942970	6891.77	31.3	7180.47	1880201	104.6170 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin
Calibration Last Update   5/21/2021 10:30:52 AM

Instrument	Falco (069901)	**Data File**	p1 Cal 6-250ng.d
Type	Cal	**Sample**	p1 Cal 6-250ng
Acq. Method	AM 28 MDQ P1.m	**Operator**	Celena Shrum
Sample Position	P2-F5	**Comment**	
Injection Volume	2		
Acq. Date-Time	5/12/2021 10:10:44 PM		
Sample Info.			

Sample Chromatogram

+ TIC MRM (** -> **) p1 Cal 6-250ng.d (p1 Cal 6-250ng)

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.118	108272	279.35	71.8	4191.16	111403	24.5445 ng/ml
7-aminoclonazepam	4.271	1064869	4117.23	80.5	259.36	151605	240.9130 ng/ml
a-hydroxyalprazolam	5.692	659192	1917.47	57.7	1547.32	420495	181.9242 ng/ml
alpha-PHP	4.930	1185671	24891.22	273.1	150720.55	862277	235.7034 ng/ml
alpha-PVP	4.363	4751823	75811.04	52.0	43343.31	862277	244.4304 ng/ml
Alprazolam	5.775	3018429	5061.64	112.7	2079.18	420495	250.9152 ng/ml
Amphetamine	3.056	6340378	31600.62	48.2	26524.46	319816	224.2812 ng/ml
Benzoylecgonine	3.892	160198	4356.10	7.6	210.06	25373	240.1914 ng/ml
Buprenorphine	5.907	116017	14944.20	14.5	39577.72	175013	25.3067 ng/ml
Bupropion	4.788	3826882	3256.53	59.2	17892.26	561352	247.0049 ng/ml
Carisoprodol	5.724	2217148	1540142.69	57.0	3198.27	429092	241.8735 ng/ml
Citalopram	5.212	3237964	2282.40	41.4	694.36	588676	246.3352 ng/ml
Clonazepam	5.612	2881386	67717.18	31.3	9239.24	152172	242.2147 ng/ml
Clonazolam	5.549	2076163	23059.90	37.1	832228.61	152172	256.9639 ng/ml
Cocaine	4.257	4101733	483667.47	50.6	33537.62	1534441	242.3786 ng/ml
Codeine	2.566	408968	601.92	101.1	1065.62	94547	235.3219 ng/ml
Cyclobenzaprine	5.615	2420071	756.11	9.3	578.73	390310	243.2493 ng/ml
Dextromethorphan	5.262	1741205	37995.89	80.6	1343.16	327500	249.6385 ng/ml
Dextrorphan	4.105	1533597	104175.00	203.8	1684.92	731688	243.5388 ng/ml
Diazepam	5.960	2031376	12894.86	87.3	10107.95	376206	249.9902 ng/ml
Dihydrocodeine	2.545	1240847	7268.04	66.4	2716.50	335098	237.4341 ng/ml
Diphenhydramine	5.289	8738343	5486.44	32.3	33790.06	1957731	259.9746 ng/ml
Doxylamine	4.536	11923208	160022.34	98.3	14487.06	2020326	263.1735 ng/ml
EDDP	5.254	4944885	50130.39	41.7	410.99	988034	247.4994 ng/ml
Etizolam	5.813	1877943	15035.22	25.8	12198.16	152172	263.8929 ng/ml
Fentanyl	5.109	309603	38033.72	68.4	325013.01	584870	25.0459 ng/ml
Flualprazolam	5.705	1302641	21771.12	100.6	8890.74	420495	248.2316 ng/ml
Fluoxetine	5.700	2138959	∞	8.7	513.78	376223	244.0602 ng/ml
Hydrocodone	3.005	1784397	902.06	40.7	262.24	953412	242.8354 ng/ml
Hydromorphone	1.595	1624654	7129.51	76.6	6161.97	11224	237.6017 ng/ml
Ketamine	4.051	3597710	21724.99	37.3	864.28	696710	249.2438 ng/ml
Lamotrigine	4.273	289679	6026.15	80.5	3389.52	696710	230.7547 ng/ml
Levetiracetam	2.676	1472728	5624.10	167.0	6174.91	1733929	250.2809 ng/ml

AM #28 Multi-Drug Quant. Results

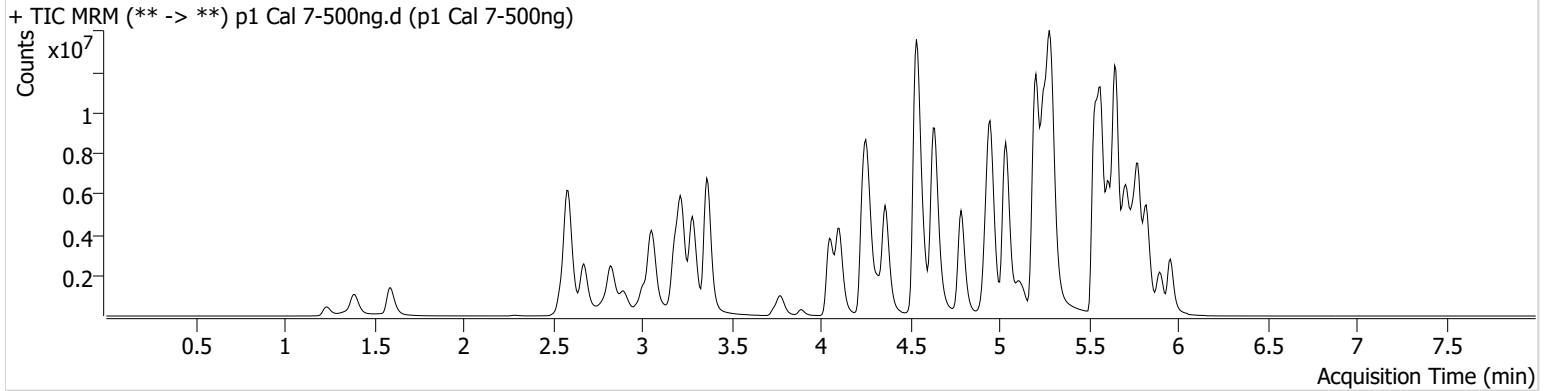| Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	1689944	19375.95	57.4	2329.78	152172	151.1431 ng/ml
MDA	3.189	4477609	3972.79	23.2	2704.82	506069	248.0847 ng/ml
MDMA	3.283	4140747	43471.41	73.7	5433.99	149892	251.1344 ng/ml
Meprobamate	4.917	1284035	30838.53	28.5	957.90	340878	184.0435 ng/ml
Methadone	5.646	6780521	1194.72	46.0	1211.04	1152709	264.1463 ng/ml
Methamphetamine	3.224	6537161	2026.71	36.2	37894.15	1119711	251.6709 ng/ml
Metoprolol	4.319	999481	1228196.94	91.2	8885.86	1890083	256.2199 ng/ml
Mirtazapine	4.637	5908597	177829.54	50.5	38195.40	862277	292.1130 ng/ml
Mitragynine	5.237	1090637	929.18	39.5	2986.35	1152709	271.2254 ng/ml
Morphine	1.233	251575	600.98	34.0	219.95	11224	242.2973 ng/ml
Norbuprenorphine	4.986	12661	171.52	101.8	125.13	24043	24.1182 ng/ml
Nordiazepam	5.900	1946385	77608.04	56.4	565.93	268277	247.1301 ng/ml
Norfentanyl	4.079	880293	30728.50	34.4	20367.99	1458748	24.5278 ng/ml
Norhydrocodone	3.053	228809	294.65	38.4	205.59	69744	270.6631 ng/ml
Noroxycodone	2.896	1743249	5984.06	41.9	2185.34	246146	246.9406 ng/ml
O-desmethyl-tramadol	3.362	9406158	2179.75	6.5	2679.43	2132224	257.8228 ng/ml
Oxazepam	5.749	2414797	15138.03	73.9	3001.90	412351	248.0100 ng/ml
Oxycodone	2.821	4288898	18385.88	26.5	711.66	765079	249.6423 ng/ml
Oxymorphone	1.385	1763509	∞	41.6	∞	256529	250.9534 ng/ml
Phentermine	3.776	1692731	11205.46	4.1	731.73	923381	235.8599 ng/ml
Promethazine	5.532	5866012	422239.12	27.5	1627.47	967300	259.3089 ng/ml
Pseudoephedrine	2.589	9586205	36092.31	15.8	702.66	1733929	247.9894 ng/ml
Quetiapine	5.562	4103963	93729.47	57.1	5461043.47	210203	246.3602 ng/ml
Sertraline	5.769	1089403	21298.92	99.0	42316.03	206905	250.5137 ng/ml
Temazepam	5.823	5305639	1840.26	29.1	425.52	1025753	247.4008 ng/ml
Tramadol	4.239	9504302	99616.35	3.5	3220.54	1890083	264.3039 ng/ml
Trazodone	5.196	3959077	113881.04	79.5	360.66	726968	251.6074 ng/ml
Venlafaxine	5.037	8685844	3036.10	37.0	1904.07	1659371	255.4131 ng/ml
Zolpidem	4.948	9444832	9744.55	29.9	2984.28	1812121	260.1410 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results   D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin
Calibration Last Update 5/21/2021 10:30:52 AM

Instrument	Falco (069901)	**Data File**	p1 Cal 7-500ng.d
Type	Cal	**Sample**	p1 Cal 7-500ng
Acq. Method	AM 28 MDQ P1.m	**Operator**	Celena Shrum
Sample Position	P2-G5	**Comment**	
Injection Volume	2		
Acq. Date-Time	5/12/2021 10:21:19 PM		
Sample Info.			

Sample Chromatogram

+ TIC MRM (** -> **) p1 Cal 7-500ng.d (p1 Cal 7-500ng)

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	205624	18009.17	72.4	2388.30	102950	50.4836 ng/ml
7-aminoclonazepam	4.278	1446564	12088.25	86.3	4521.45	95331	519.7402 ng/ml
a-hydroxyalprazolam	5.692	670663	219.02	58.4	13971.06	286310	272.0874 ng/ml
alpha-PHP	4.930	2421479	12427.28	279.1	7569.12	780514	531.8104 ng/ml
alpha-PVP	4.363	8846671	1293.25	52.2	69305.06	780514	502.6247 ng/ml
Alprazolam	5.775	4160494	1022.41	110.8	835.05	286310	507.6321 ng/ml
Amphetamine	3.056	8937607	10424.35	47.6	20938.77	239817	422.6462 ng/ml
Benzoylecgonine	3.892	331497	1579.22	7.5	26046.11	24564	513.5629 ng/ml
Buprenorphine	5.907	428803	11413.04	14.2	61971.01	325243	50.3824 ng/ml
Bupropion	4.788	8690413	3313.11	58.7	2737.71	610067	516.1470 ng/ml
Carisoprodol	5.730	2602464	19105041.70	56.1	19946.64	230537	527.7410 ng/ml
Citalopram	5.212	8320324	582.51	40.9	3116.81	711489	523.3103 ng/ml
Clonazepam	5.612	2725502	50897.02	30.9	67883.08	82466	423.3880 ng/ml
Clonazolam	5.548	1895461	40123.19	37.2	27869.03	82466	433.3181 ng/ml
Cocaine	4.257	7150038	132073.47	49.6	84693.95	1267970	510.9799 ng/ml
Codeine	2.566	614482	920.48	97.7	7616.61	80233	417.4189 ng/ml
Cyclobenzaprine	5.615	8326810	1473.22	8.7	9357.58	611600	533.6525 ng/ml
Dextromethorphan	5.262	4414519	21108.29	79.8	24685.10	411708	503.3171 ng/ml
Dextrorphan	4.105	3273178	52760.52	209.0	168560.08	750457	506.3869 ng/ml
Diazepam	5.960	3337315	11296.21	87.7	896.06	311358	496.2708 ng/ml
Dihydrocodeine	2.545	2022076	902.08	67.6	2339.89	311335	416.9367 ng/ml
Diphenhydramine	5.289	22142932	598.44	35.3	1111.26	2637978	488.6577 ng/ml
Doxylamine	4.536	22805080	132789.81	97.8	160636.00	2029036	501.1955 ng/ml
EDDP	5.254	11283650	947.30	40.8	23213.95	1097878	507.9378 ng/ml
Etizolam	5.813	2973685	5553.04	25.7	3586.64	82466	770.4583 ng/ml
Fentanyl	5.109	1383439	31342.73	66.9	1601602.80	1269287	51.5448 ng/ml
Flualprazolam	5.705	1711667	27762.28	103.6	31827.11	286310	479.2424 ng/ml
Fluoxetine	5.700	7011214	67453.98	8.3	173.76	599552	502.2543 ng/ml
Hydrocodone	3.005	3127766	655.02	39.9	1328.65	870150	467.1142 ng/ml
Hydromorphone	1.595	2773979	20734.08	76.8	25056.11	9718	469.0815 ng/ml
Ketamine	4.051	6407153	5335.10	36.2	11110.92	622575	497.1417 ng/ml
Lamotrigine	4.280	451356	16200.57	81.5	3800.06	622575	402.6890 ng/ml
Levetiracetam	2.676	2574384	7640.00	167.5	8919.70	1358245	558.0119 ng/ml

AM #28 Multi-Drug Quant. Results

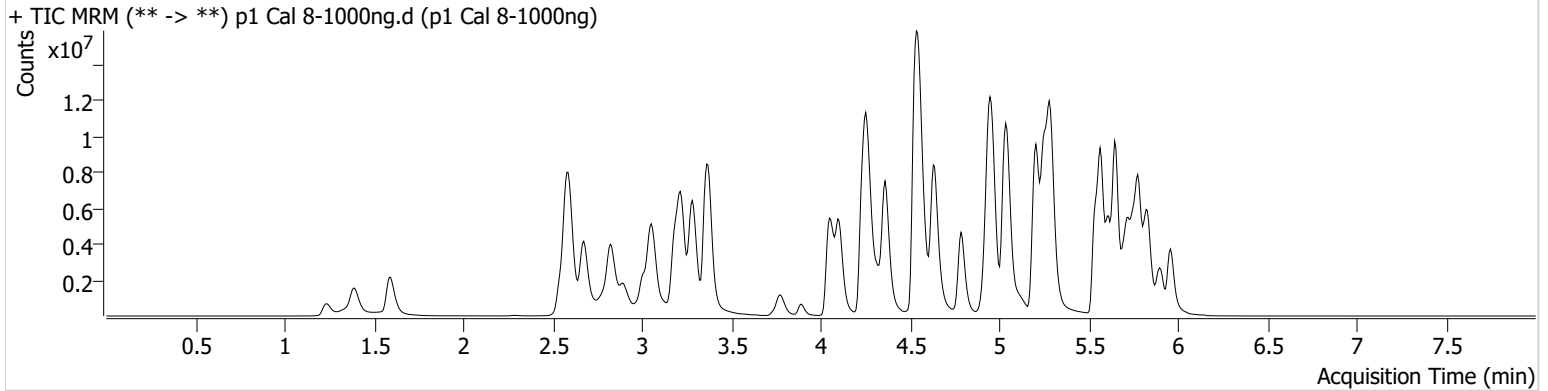| Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	1606987	74497.70	56.2	6782.67	82466	266.0260 ng/ml
MDA	3.189	6674926	7523.88	22.6	2439.74	431625	434.5772 ng/ml
MDMA	3.283	7890741	19973.99	73.5	3842.02	145520	493.0199 ng/ml
Meprobamate	4.911	1631714	14487.02	27.5	483.33	276515	288.4957 ng/ml
Methadone	5.653	18437064	910.71	52.8	124805.68	1742079	475.0285 ng/ml
Methamphetamine	3.224	10764333	60372.37	35.6	2970.78	1012651	459.2921 ng/ml
Metoprolol	4.319	1729851	38902.30	90.9	4522.07	1667695	502.8966 ng/ml
Mirtazapine	4.637	18378956	214098.44	52.1	88067.45	780514	1001.1055 ng/ml
Mitragynine	5.237	2920081	22497.86	39.5	4356.79	1742079	480.2813 ng/ml
Morphine	1.240	436055	11457.81	34.1	688.44	9718	485.4162 ng/ml
Norbuprenorphine	4.986	45828	164.24	97.6	900.44	41259	50.8580 ng/ml
Nordiazepam	5.900	2854862	847.10	56.7	6619.07	203328	478.4463 ng/ml
Norfentanyl	4.079	1458695	23389.93	33.9	49128.95	1165141	50.8277 ng/ml
Norhydrocodone	3.053	410523	213.97	40.8	215.23	60498	559.1700 ng/ml
Noroxycodone	2.896	2608803	450.51	42.1	30900.47	184185	493.9003 ng/ml
O-desmethyl-tramadol	3.362	16219133	72627.93	6.5	20591.24	1842717	514.2571 ng/ml
Oxazepam	5.749	2252209	24046.64	71.8	4753.83	208155	458.5530 ng/ml
Oxycodone	2.821	7518625	5141.04	26.4	1914.10	688596	486.4244 ng/ml
Oxymorphone	1.391	2894592	∞	41.4	∞	213050	495.9841 ng/ml
Phentermine	3.776	2855164	∞	4.0	928.64	896681	410.2736 ng/ml
Promethazine	5.538	18617731	3359.12	31.5	30114.98	1705688	466.5261 ng/ml
Pseudoephedrine	2.589	15723997	113513.00	15.6	71445.17	1358245	518.8120 ng/ml
Quetiapine	5.569	12186253	65920.72	60.0	1081.15	260484	589.7414 ng/ml
Sertraline	5.776	3630867	9459.42	101.5	9539.17	331503	521.1771 ng/ml
Temazepam	5.823	6552623	35093.25	28.5	15954.65	620585	504.6878 ng/ml
Tramadol	4.239	15629941	1809.81	3.6	521.62	1667695	492.9138 ng/ml
Trazodone	5.196	13096885	1460.94	80.2	382414.91	1490369	406.4511 ng/ml
Venlafaxine	5.037	16700110	79920.82	37.9	3335.36	1578005	516.0883 ng/ml
Zolpidem	4.948	16522248	79075.39	30.7	4480.33	1626016	507.2448 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\AM 27-28\051221 AM 27 28 P1 P2 CS\QuantResults\AM 28 P1.batch.bin
Calibration Last Update 5/21/2021 10:30:52 AM

Instrument	Falco (069901)	**Data File**	p1 Cal 8-1000ng.d
Type	Cal	**Sample**	p1 Cal 8-1000ng
Acq. Method	AM 28 MDQ P1.m	**Operator**	Celena Shrum
Sample Position	P2-H5	**Comment**	
Injection Volume	2		
Acq. Date-Time	5/12/2021 10:31:55 PM		
Sample Info.			

Sample Chromatogram

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.124	394880	882.01	70.6	1016.98	95519	104.5330 ng/ml
7-aminoclonazepam	4.278	1897528	3690.70	78.7	2091.52	57807	1123.6036 ng/ml
a-hydroxyalprazolam	5.685	998139	150.18	56.1	230.95	247096	469.5777 ng/ml
alpha-PHP	4.930	2471496	43203.13	280.3	144239.42	556330	761.5276 ng/ml
alpha-PVP	4.363	12610745	1876.63	53.2	110133.71	556330	1005.0932 ng/ml
Alprazolam	5.775	6993336	2992.08	112.7	684.09	247096	988.4013 ng/ml
Amphetamine	3.056	10810613	5482.03	47.8	41636.98	166971	735.1142 ng/ml
Benzoylecgonine	3.892	739747	1044.61	7.6	1814.98	26782	1051.3065 ng/ml
Buprenorphine	5.907	206443	4674.21	13.5	33858.28	78759	100.2197 ng/ml
Bupropion	4.788	7776726	109799.59	59.4	1923.03	290409	970.2951 ng/ml
Carisoprodol	5.730	3895429	156117.97	54.7	25004.84	169183	1075.7996 ng/ml
Citalopram	5.212	6316868	14592.57	41.2	1064.06	276194	1023.1190 ng/ml
Clonazepam	5.612	5421011	35158.15	30.9	31927.43	78626	884.1359 ng/ml
Clonazolam	5.548	3816382	52313.68	36.4	58356.44	78626	915.7406 ng/ml
Cocaine	4.257	10958671	2275.20	49.7	1066.19	957154	1037.1834 ng/ml
Codeine	2.566	855154	3334.00	100.0	7758.33	67018	696.1183 ng/ml
Cyclobenzaprine	5.615	4038524	17674.59	8.9	1292.54	156236	1012.8308 ng/ml
Dextromethorphan	5.262	2902892	1638.82	81.4	19396.00	134066	1016.2450 ng/ml
Dextrorphan	4.105	4164504	1069.50	207.0	11318.67	465847	1037.5176 ng/ml
Diazepam	5.960	5039597	439.69	88.1	353.21	242185	963.4738 ng/ml
Dihydrocodeine	2.538	3302701	24772.33	66.6	21520.46	307447	690.0237 ng/ml
Diphenhydramine	5.289	17912146	2026.58	33.5	4421.57	1024405	1017.6315 ng/ml
Doxylamine	4.536	31590859	236161.91	97.9	3608.64	1636563	860.7786 ng/ml
EDDP	5.254	12859998	2077.89	41.0	1093.73	607736	1045.4584 ng/ml
Etizolam	5.813	4802790	1801.60	25.2	12550.27	78626	1304.9046 ng/ml
Fentanyl	5.109	628565	22414.76	69.5	1084.15	296187	100.3401 ng/ml
Flualprazolam	5.705	2796309	4745.00	101.6	55604.62	247096	907.3679 ng/ml
Fluoxetine	5.700	1887228	6709.81	8.5	453.51	86591	936.2763 ng/ml
Hydrocodone	3.005	5192136	1135.18	40.5	2097.94	748541	902.1307 ng/ml
Hydromorphone	1.588	4638632	1883571.44	77.0	3433428.13	8319	916.8725 ng/ml
Ketamine	4.051	10321177	108265.28	36.1	15346.46	538985	925.3908 ng/ml
Lamotrigine	4.280	548648	2770.10	78.9	1186.58	538985	565.5846 ng/ml
Levetiracetam	2.676	4281324	11793.72	170.5	11947.33	969792	1299.1755 ng/ml

p1 Cal 8-1000ng

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.747	1906058	55487.59	55.6	610.47	78626	331.2075 ng/ml
MDA	3.189	8570734	4797.32	22.5	1896.23	291726	826.7576 ng/ml
MDMA	3.283	10731511	7578.68	73.0	3779.63	100014	975.6616 ng/ml
Meprobamate	4.911	2207718	11771.36	27.6	13264.73	243062	444.2318 ng/ml
Methadone	5.653	13586496	38953.41	48.8	22222.62	593724	1026.7867 ng/ml
Methamphetamine	3.224	12693155	70286.67	35.7	1785.01	663326	827.8502 ng/ml
Metoprolol	4.319	2454359	9786.69	91.3	6160.20	1372091	867.4784 ng/ml
Mirtazapine	4.637	15341956	172234.21	50.5	66265.75	556330	1172.2411 ng/ml
Mitragynine	5.237	1530515	35791.61	40.0	457.84	593724	738.4657 ng/ml
Morphine	1.233	729752	1597.80	35.7	4325.77	8319	949.3676 ng/ml
Norbuprenorphine	4.986	24041	763.85	99.4	4189.09	10413	105.6892 ng/ml
Nordiazepam	5.900	4082829	60731.37	54.8	567.37	140451	990.7716 ng/ml
Norfentanyl	4.072	2327149	3665.89	33.9	3684.00	852956	110.7035 ng/ml
Norhydrocodone	3.053	642621	162.17	45.1	∞	50736	1043.1937 ng/ml
Noroxycodone	2.896	3674489	7863.37	43.1	362.73	132426	967.5820 ng/ml
O-desmethyl-tramadol	3.369	24372078	∞	7.2	17949.39	1509948	942.9362 ng/ml
Oxazepam	5.749	2497800	19621.54	73.3	9181.49	112008	945.5104 ng/ml
Oxycodone	2.821	13193613	4302.52	26.0	3643.34	627542	936.7955 ng/ml
Oxymorphone	1.385	4859634	239.95	41.8	∞	187178	947.7998 ng/ml
Phentermine	3.776	3618536	∞	4.0	1133.53	633382	736.7632 ng/ml
Promethazine	5.538	9443491	9252.63	27.3	∞	396999	1016.4027 ng/ml
Pseudoephedrine	2.592	23345466	79073.25	15.9	144058.31	969792	1078.3575 ng/ml
Quetiapine	5.569	10672070	80803.21	59.1	3581.60	136691	983.9129 ng/ml
Sertraline	5.769	976052	3144.99	97.8	4730.50	46869	990.9999 ng/ml
Temazepam	5.830	7974218	147969.91	28.6	23544.37	358569	1062.6115 ng/ml
Tramadol	4.239	21822231	1592.70	3.9	2394.45	1372091	836.7061 ng/ml
Trazodone	5.196	10768146	102968.55	79.2	68872.29	527620	944.9464 ng/ml
Venlafaxine	5.037	23034626	132102.30	41.0	2897.12	1133153	991.0214 ng/ml
Zolpidem	4.955	25066314	158484.87	33.9	68783.73	1443596	866.8611 ng/ml