

Worklist: 3849

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2019-4820	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2019-4821	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2019-4889	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2019-4892	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2019-5005	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2019-3038	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2019-3038	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2019-3114	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2019-3169	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2019-3218	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2019-3285	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2019-3285	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2019-3412	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2019-3416	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2019-3429	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2019-3438	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2019-3442	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2019-3454	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2019-3495	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2019-3500	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2019-3501	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

Worklist: 3849

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<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
P2019-3508	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ



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

Extraction Date: 11/24/19 Analyst: Sarah Pickle
 Plate lot#: 190729 Item #: IDP-111 Plate Expiration: 01/29/20

Mobile phase A: 5mM Amm Form + 0.01% FA **Mobile phase B:** 0.01% Formic Acid in MeOH
 0.5M Ammonium Hydroxide Ethyl Acetate 20% Methanol in Water
Blank Blood Lot: 445283-3 **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 **250 µL blood (calibrated pipette) Pipette ID: #16** in wells of analytical (standards) plate.
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. *Shaker ID: 067105*
- 4. Pipette **250 µL 0.5M ammonium hydroxide** in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **300 µL of blood+base** mixture to corresponding wells of SLE+ plate.
- 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent).
(Load at 85-100 PSI- Selector to the right) Manifold ID: 067104
- 8. Wait 5 minutes.
- 9. Add **900 µL ethyl acetate**.
- 10. Wait 5 minutes.
- 11. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.
- 12. Add **900 µL 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. Place on SPE Dry and evaporate to dryness at approx. 35°C.
SPE Dry ID: 067103
- 16. Reconstitute in **100 µL 20% MeOH** and heat seal plate with foil. Place in autosampler and run worklist.

Post-Analytic

- 1. Create batch and process data.
 Worklist path: *D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP* Batch Name: *MDQ*
- 2. Make necessary changes to integration limits
- 3. Integration linear and R² values ≥0.98 for each analyte.
- 4. For unknown samples and controls: response ratio within 20% of average of controls and standards, RT within +/- 5% (tramadol RT +/-2%), S/N for primary transition >10 and secondary transitions >5.
- 5. Did all QCs pass for each analyte? Y / N _____ Add Control data to QC tracking spreadsheet.
- 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports.

COMMENTS: **Curve Range Limited:** *amphetamine 5-500, benzoylecgonine 5-500, lamotrigine 5-250, lorazepam 10-500, metoprolol 5-500, norbuprenorphine 5-100, norhydrocodone 5-500, oxazepam 25-1000 (reported qualitatively)*

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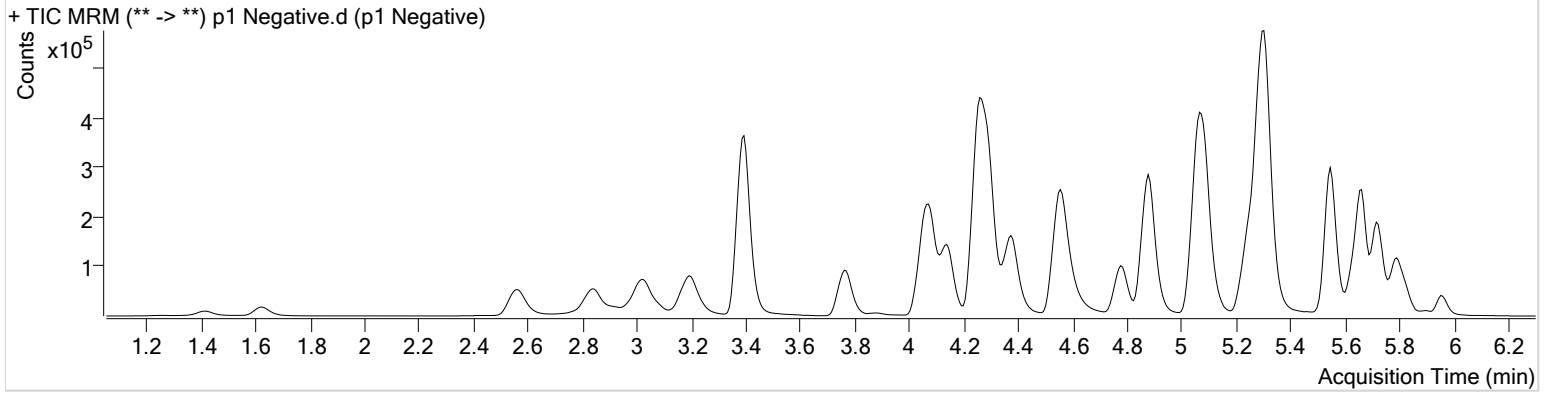


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Calibration Last Update 11/25/2019 12:42:18 PM

Instrument	Falco	Data File	p1 Negative.d
Type	Sample	Sample	p1 Negative
Acq. Method	MDQ P1 Combined 092319.m	Operator	Sarah Pickle
Sample Position	P2-D11	Comment	
Injection Volume	2		
Acq. Date-Time	11/24/2019 10:36:15 PM		
Sample Info.			

Sample Chromatogram



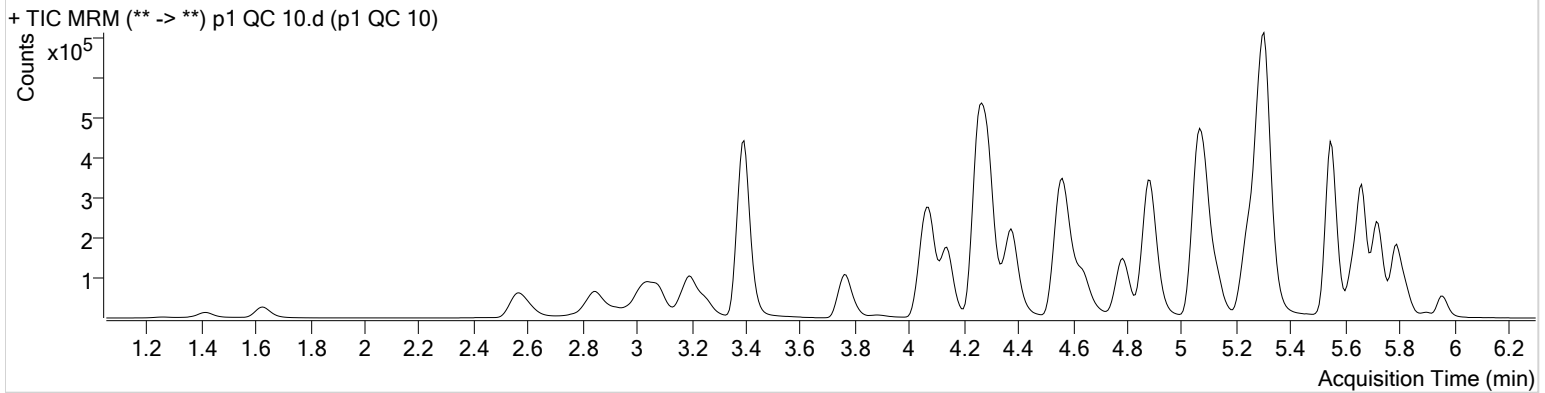
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Calibration Last Update 11/25/2019 12:42:18 PM

Instrument	Falco	Data File	p1 QC 10.d
Type	QC	Sample	p1 QC 10
Acq. Method	MDQ P1 Combined 092319.m	Operator	Sarah Pickle
Sample Position	P2-H11	Comment	
Injection Volume	2		
Acq. Date-Time	11/24/2019 8:50:20 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.163	1730	173.25	73.0	2876.58	34233	1.0208 ng/ml
7-aminoclonazepam	4.285	19991	1503.75	80.8	3783.95	78297	9.8690 ng/ml
a-hydroxyalprazolam	5.714	1110	31.33	54.0	594.54	4991	10.9626 ng/ml
alpha-PVP	4.384	119307	336.17	51.1	354.98	545458	9.8904 ng/ml
Alprazolam	5.784	37024	204.82	102.9	488.31	87284	10.4613 ng/ml
Amphetamine	3.081	133290	1024.53	56.4	240.14	141225	10.4988 ng/ml
Benzoylcegonine	3.907	3840	130.04	6.7	17.29	12528	10.9063 ng/ml
Buprenorphine	5.774	3875	74.79	16.1	123.38	113786	1.1033 ng/ml
Bupropion	4.800	106189	6289.09	57.8	431.47	368173	10.0212 ng/ml
Carisoprodol	5.733	19631	∞	53.8	96.92	94456	10.3154 ng/ml
Citalopram	5.243	93307	697.78	41.7	798.38	422205	10.0825 ng/ml
Clonazepam	5.620	3724	49.74	32.8	71.91	6624	11.0336 ng/ml
Cocaine	4.291	117831	7938.06	44.0	275.79	910824	9.7202 ng/ml
Codeine	2.617	13020	852.46	100.5	70.54	53040	10.0371 ng/ml
Cyclobenzaprine	5.631	72942	5899.73	9.8	417.76	254005	10.0430 ng/ml
Dextromethorphan	5.285	57905	3348.39	79.5	195.67	262275	10.0051 ng/ml
Dextrorphan	4.140	32476	155.34	210.7	4195.30	426135	10.1558 ng/ml
Diazepam	5.968	21376	114.55	87.6	199.69	103168	10.2204 ng/ml
Dihydrocodeine	2.595	34998	192.05	66.8	78.11	190057	10.0948 ng/ml
Diphenhydramine	5.313	202595	9807.39	34.2	6801.52	1569772	10.2661 ng/ml
Doxylamine	4.574	267910	1444.07	98.5	∞	1117625	9.9348 ng/ml
EDDP	5.278	95169	2848.99	43.1	120.01	520225	10.0437 ng/ml
Fentanyl	5.099	7281	911.90	72.7	734.79	357217	1.0694 ng/ml
Fluoxetine	5.722	76153	1665.32	8.9	837.24	307239	10.7349 ng/ml
Hydrocodone	3.058	30519	84.63	41.6	58.60	197476	10.1348 ng/ml
Hydromorphone	1.634	20234	340.34	76.2	221.55	76502	9.7983 ng/ml
Ketamine	4.067	97300	1718.57	37.9	583.02	447484	10.1646 ng/ml
Lamotrigine	4.302	9921	905.76	77.0	663.26	447484	10.8987 ng/ml
Lorazepam	5.762	1272	32.93	64.2	7.24 Low	6624	9.5886 ng/ml
Meprobamate	4.922	4647	464.57	26.7	47.28	24048	9.4222 ng/ml
Methadone	5.661	130791	10474.34	51.7	∞	594452	10.3547 ng/ml
Methamphetamine	3.255	89707	350.11	42.8	570.95	384797	10.2486 ng/ml
Metoprolol	4.340	23759	10009.25	98.3	∞	1167228	10.4286 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.643	170772	1887.27	49.3	1879.77	545458	9.5958 ng/ml
Mitragynine	5.234	26168	6197.45	39.9	5776.46	594452	9.9594 ng/ml
Morphine	1.266	3646	3302.89	19.9	491.61	3385	10.6055 ng/ml
* Norbuprenorphine	5.010	75	3.59	84.8 Low	223.85	3394	0.2118 ng/ml
Nordiazepam	5.908	4728	358.59	60.2	854.37	14975	9.7717 ng/ml
Norfentanyl	4.102	11638	823.05	37.9	374.16	556240	0.9890 ng/ml
Norhydrocodone	3.093	769	∞	40.3	∞	42097	9.0649 ng/ml
Noroxycodone	2.943	20644	258.44	43.2	18.94	61235	10.2097 ng/ml
O-desmethyl-tramadol	3.394	233996	1034.10	6.2	308.54	1254183	10.0826 ng/ml
* Oxazepam	5.765	1558	69.97	88.2 High	5.27 Low	9720	9.0948 ng/ml
Oxycodone	2.868	59218	805.61	30.7	∞	262513	10.3476 ng/ml
Oxymorphone	1.417	11844	384.49	47.2	115.79	41955	9.9988 ng/ml
Phentermine	3.798	33091	∞	1.9	27.25	381961	10.5333 ng/ml
Promethazine	5.556	171979	1248.27	30.0	552.98	761938	10.4130 ng/ml
Quetiapine	5.551	129708	18051.56	59.5	1731.46	171383	10.7160 ng/ml
Sertraline	5.791	49571	647.53	90.2	195.59	215039	10.1572 ng/ml
Temazepam	5.832	18206	442.57	33.4	48.49	99484	9.7121 ng/ml
Tramadol	4.267	239076	773.94	3.2	36.22	1167228	10.4187 ng/ml
Trazodone	5.133	124887	3196.95	78.5	4007.95	487748	9.6948 ng/ml
Venlafaxine	5.061	166811	501.85	37.3	1245.30	905038	10.2186 ng/ml
Zolpidem	4.898	211122	1838.28	30.8	4179.83	984386	10.3066 ng/ml

*outside curve range

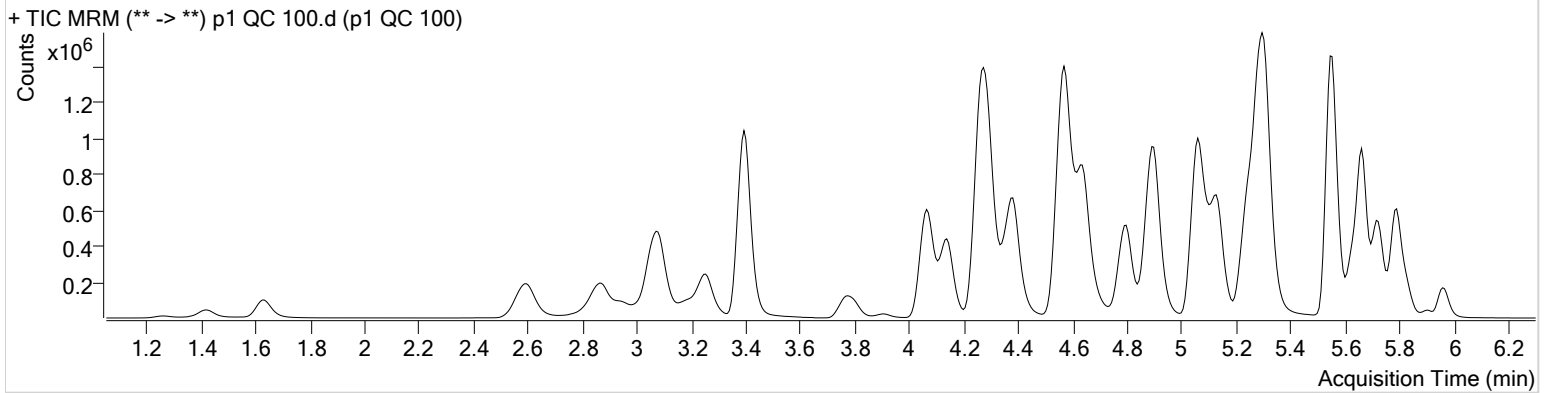
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Calibration Last Update 11/25/2019 12:42:18 PM

Instrument Falco **Data File** p1 QC 100.d
Type QC **Sample** p1 QC 100
Acq. Method MDQ P1 Combined 092319.m **Operator** Sarah Pickle
Sample Position P2-G11 **Comment**
Injection Volume 2
Acq. Date-Time 11/24/2019 9:11:30 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.163	15979	608.58	70.6	559.35	32316	9.8108 ng/ml
7-aminoclonazepam	4.285	165367	27987.74	83.4	∞	69310	101.3806 ng/ml
a-hydroxyalprazolam	5.707	9634	314.19	69.9	412.31	4906	97.1361 ng/ml
alpha-PVP	4.384	1126774	6143.80	50.4	1122.15	516722	96.0597 ng/ml
Alprazolam	5.784	329663	1383.37	103.3	1027.57	81357	99.5273 ng/ml
Amphetamine	3.081	1145803	1836.04	53.6	864.80	129401	108.7491 ng/ml
Benzoylcegonine	3.907	32616	384.70	7.5	164.02	12528	103.9424 ng/ml
Buprenorphine	5.774	29273	739.03	15.9	1667.48	97301	9.8331 ng/ml
Bupropion	4.800	961381	65837.34	57.3	17276.65	341658	100.9530 ng/ml
Carisoprodol	5.733	170664	1590.44	53.2	1240.65	85850	96.8497 ng/ml
Citalopram	5.243	803043	12453.34	42.3	3290.47	378672	99.7266 ng/ml
Clonazepam	5.620	33926	261.18	33.5	385.49	6530	103.7322 ng/ml
Cocaine	4.284	1095061	101696.22	43.2	546975.00	856651	97.7285 ng/ml
Codeine	2.617	113765	4206.35	103.4	13442.65	49444	107.6914 ng/ml
Cyclobenzaprine	5.631	606519	118836.64	10.7	171875.16	219016	99.0613 ng/ml
Dextromethorphan	5.285	484367	20619.05	79.6	12391.05	225466	98.7082 ng/ml
Dextrorphan	4.140	311802	19799.65	210.5	60184.96	410635	102.5782 ng/ml
Diazepam	5.968	195740	771.01	87.7	1690.14	96706	100.6663 ng/ml
Dihydrocodeine	2.588	323708	509.76	67.5	12468.83	184398	104.9042 ng/ml
Diphenhydramine	5.313	1735305	41155.70	33.9	22092.71	1376410	96.2517 ng/ml
Doxylamine	4.568	2598805	234371.07	97.9	3243.32	1123738	97.2516 ng/ml
EDDP	5.278	920352	9111.91	42.5	7211.45	523330	97.5605 ng/ml
Fentanyl	5.099	61301	4593.15	72.6	440.81	322464	9.9295 ng/ml
Fluoxetine	5.716	619832	1026.71	8.9	833.57	268104	99.7066 ng/ml
Hydrocodone	3.052	280668	∞	42.0	∞	201882	95.8659 ng/ml
Hydromorphone	1.634	188832	∞	78.2	965.49	74272	96.7816 ng/ml
Ketamine	4.067	906990	1321.58	38.7	885.35	427886	103.2562 ng/ml
Lamotrigine	4.302	79211	2983.34	79.1	18754.06	427886	103.2808 ng/ml
Lorazepam	5.755	13725	477.53	52.1	78.85	6530	103.4629 ng/ml
Meprobamate	4.922	43844	743.76	25.3	452.74	21459	96.0031 ng/ml
Methadone	5.661	1158816	1959.68	51.0	1026.09	547927	98.0433 ng/ml
Methamphetamine	3.255	640434	4142.03	43.1	9627.56	301488	103.7360 ng/ml
Metoprolol	4.340	210860	124835.47	96.3	∞	1137358	102.5379 ng/ml

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AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.636	1560430	60922.30	49.2	14095.65	516722	89.5613 ng/ml
Mitragynine	5.234	234311	847121.72	40.1	442794.81	547927	104.2487 ng/ml
Morphine	1.266	32029	5788.28	22.1	57.67	3337	99.3596 ng/ml
Norbuprenorphine	5.003	628	153.61	76.4	14.49	3294	9.4733 ng/ml
Nordiazepam	5.908	47003	∞	56.9	12893.73	14349	103.9536 ng/ml
Norfentanyl	4.102	111295	2005.12	36.9	1570.05	537575	9.7018 ng/ml
Norhydrocodone	3.100	10352	81.01	38.4	78.97	45183	97.3369 ng/ml
Noroxycodone	2.943	190269	1935.02	48.0	147.08	58940	100.0492 ng/ml
O-desmethyl-tramadol	3.394	2233745	37509.09	6.2	963.81	1226078	100.3599 ng/ml
Oxazepam	5.765	14969	47.91	71.0	60.67	9157	103.1383 ng/ml
Oxycodone	2.868	574839	2410.28	31.2	1465.33	264329	103.2046 ng/ml
Oxymorphone	1.417	111476	∞	46.9	1092.22	40020	104.5871 ng/ml
Phentermine	3.798	258611	∞	2.0	∞	321530	104.5719 ng/ml
Promethazine	5.548	1437528	2942.24	30.3	1955.47	660727	97.3994 ng/ml
Quetiapine	5.551	1150436	1383.12	59.4	1469.69	161256	110.3471 ng/ml
Sertraline	5.791	368763	7280.67	90.7	21197.48	168340	95.8053 ng/ml
Temazepam	5.832	172606	879.14	30.9	669.49	91232	101.7630 ng/ml
Tramadol	4.267	2158214	61258.53	3.4	91.87	1137358	103.9132 ng/ml
Trazodone	5.126	1156236	226265.98	78.0	7183.39	457779	94.8700 ng/ml
Venlafaxine	5.061	1578809	1033.31	37.0	2114.33	875462	97.0754 ng/ml
Zolpidem	4.898	2001802	246498.77	31.1	330.88	963896	102.5746 ng/ml

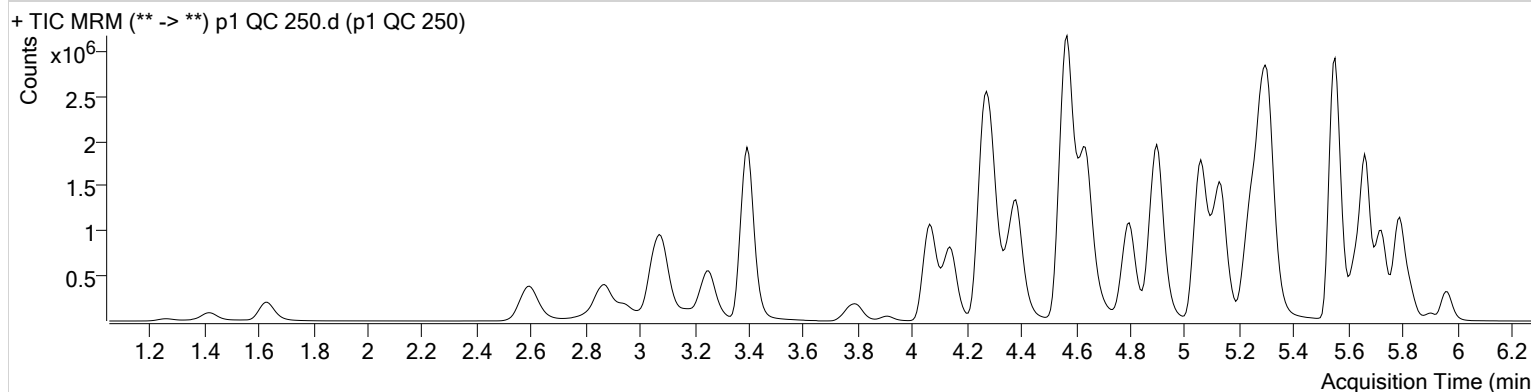
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Calibration Last Update 11/25/2019 12:42:18 PM

Instrument Falco **Data File** p1 QC 250.d
Type QC **Sample** p1 QC 250
Acq. Method MDQ P1 Combined 092319.m **Operator** Sarah Pickle
Sample Position P2-F11 **Comment**
Injection Volume 2
Acq. Date-Time 11/24/2019 9:32:40 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.163	38582	1426.86	72.0	972.74	30008	25.4791 ng/ml
7-aminoclonazepam	4.285	311642	213091.39	82.5	17522.76	55125	241.7218 ng/ml
a-hydroxyalprazolam	5.707	23425	400.19	65.8	∞	4273	271.3018 ng/ml
alpha-PVP	4.384	2635918	87906.74	50.6	37332.78	476672	243.1623 ng/ml
Alprazolam	5.784	738278	3222.32	102.7	15156.98	71499	253.5461 ng/ml
Amphetamine	3.081	2363741	28971.53	54.0	22183.04	117714	248.1691 ng/ml
Benzoylcegonine	3.907	87488	12258.55	7.6	577.63	12126	290.7240 ng/ml
Buprenorphine	5.774	63032	830.84	15.9	12964.12	80239	25.6936 ng/ml
Bupropion	4.800	2247898	143047.19	56.9	1152.29	315145	256.4651 ng/ml
Carisoprodol	5.733	378410	14775.69	52.3	1419.11	74345	247.6424 ng/ml
Citalopram	5.243	1813124	33431.53	42.0	2068.52	336466	253.9417 ng/ml
Clonazepam	5.620	79208	1399.11	33.4	413.17	6276	252.3036 ng/ml
Cocaine	4.291	2468061	200152.38	42.9	145819.53	760401	248.4331 ng/ml
Codeine	2.617	252263	30071.67	103.6	∞	44878	265.4344 ng/ml
Cyclobenzaprine	5.631	1386754	1316.28	10.5	8258.14	196235	253.1856 ng/ml
Dextromethorphan	5.285	1091415	730.18	80.0	615.39	200289	250.6133 ng/ml
Dextrorphan	4.140	736432	38470.09	208.6	268377.14	384808	258.7715 ng/ml
Diazepam	5.968	448070	8314.69	87.8	5330.26	88025	253.3041 ng/ml
Dihydrocodeine	2.588	739251	34216.45	67.0	846.57	175000	253.8630 ng/ml
Diphenhydramine	5.313	3912062	132225.12	33.9	18926.52	1211337	245.8405 ng/ml
Doxylamine	4.568	6392433	218497.91	96.9	∞	1072526	250.8941 ng/ml
EDDP	5.278	2196771	41059.47	42.5	21324.55	490828	248.4656 ng/ml
Fentanyl	5.099	144398	2000.22	73.9	233810.71	304346	24.7741 ng/ml
Fluoxetine	5.722	1460063	26190.59	9.1	232.22	250465	251.3303 ng/ml
Hydrocodone	3.052	668835	151.42	41.6	∞	184603	250.7756 ng/ml
Hydromorphone	1.634	450504	3084.82	78.3	2156.73	70881	242.3921 ng/ml
Ketamine	4.067	2122039	345574.95	38.7	2661.11	408693	253.6187 ng/ml
Lamotrigine	4.308	157584	13583.63	79.1	23719.56	408693	216.9266 ng/ml
Lorazepam	5.755	31799	983.74	55.1	121.03	6276	249.2010 ng/ml
Meprobamate	4.929	101751	111.80	25.8	323.46	19669	242.4951 ng/ml
Methadone	5.661	2719173	103913.26	51.5	5322.11	513159	245.3863 ng/ml
Methamphetamine	3.255	1563843	11420.65	43.4	6621.92	299752	256.6332 ng/ml
Metoprolol	4.340	446108	87382.32	95.7	8253.32	1070993	231.5392 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.636	3739586	275563.39	49.3	15066.28	476672	232.1145 ng/ml
Mitragynine	5.234	535392	1181515.45	40.3	15730.23	513159	255.5821 ng/ml
Morphine	1.260	77676	13554.96	21.5	205.60	3153	255.9170 ng/ml
Norbuprenorphine	5.003	1643	35.34	88.0	187.33	3272	26.6056 ng/ml
Nordiazepam	5.908	108518	8857.20	57.7	627.42	13424	256.9444 ng/ml
Norfentanyl	4.102	265542	976.96	37.3	3250.59	501620	24.7922 ng/ml
Norhydrocodone	3.100	27597	320.78	39.1	285.22	44115	263.3150 ng/ml
Noroxycodone	2.943	440658	430.94	48.2	889.38	54686	250.1339 ng/ml
O-desmethyl-tramadol	3.394	5322001	312589.25	6.1	21901.80	1149173	255.4489 ng/ml
Oxazepam	5.765	37165	62.73	69.2	422.73	9601	245.7798 ng/ml
Oxycodone	2.868	1385227	16430.69	31.2	2917.18	250436	263.1119 ng/ml
Oxymorphone	1.417	257562	566.37	46.7	301.99	37742	257.1980 ng/ml
Phentermine	3.798	586175	∞	2.0	453.70	299041	256.0274 ng/ml
Promethazine	5.556	3398747	3365.39	29.7	1065.69	613890	247.3194 ng/ml
Quetiapine	5.551	2545329	130367.00	59.8	1179.48	149559	264.7716 ng/ml
Sertraline	5.791	767036	18190.32	92.0	1016.35	139854	239.7409 ng/ml
Temazepam	5.832	416322	1735.72	30.5	1620.08	86913	257.8703 ng/ml
Tramadol	4.267	4917066	132821.59	3.4	∞	1070993	252.6854 ng/ml
Trazodone	5.133	2784130	147604.57	78.2	211423.35	426587	245.0075 ng/ml
Venlafaxine	5.061	3769954	96861.49	37.1	1975.72	826224	245.1086 ng/ml
Zolpidem	4.898	4789537	∞	30.9	115720.81	923913	256.5196 ng/ml

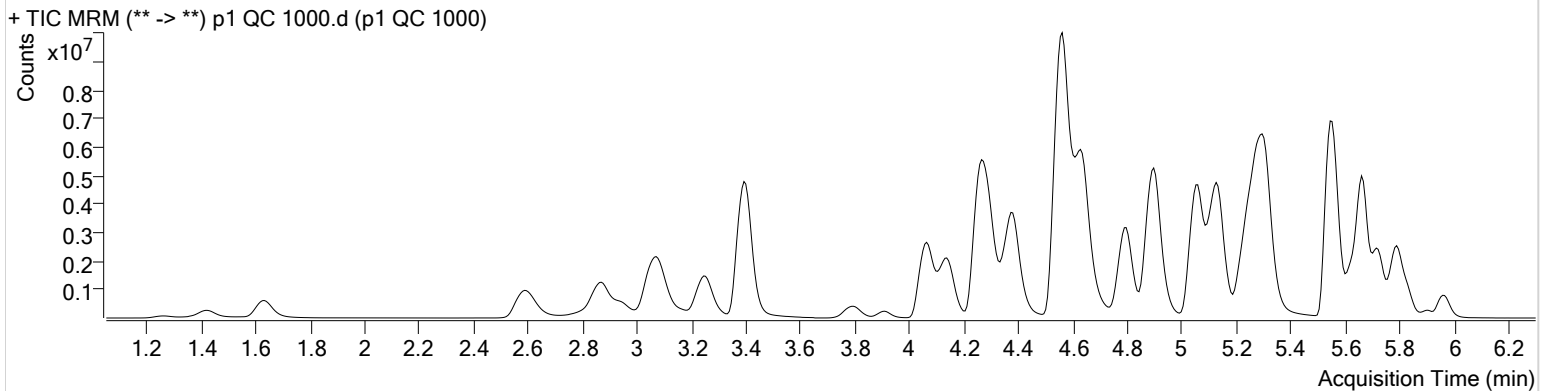
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Calibration Last Update 11/25/2019 12:42:18 PM

Instrument Falco **Data File** p1 QC 1000.d
Type QC **Sample** p1 QC 1000
Acq. Method MDQ P1 Combined 092319.m **Operator** Sarah Pickle
Sample Position P2-E11 **Comment**
Injection Volume 2
Acq. Date-Time 11/24/2019 9:53:52 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.163	132238	4718.45	71.6	18600.99	24236	108.0610 ng/ml
7-aminoclonazepam	4.285	482848	45785.35	83.0	23943.64	24784	835.6940 ng/ml
a-hydroxyalprazolam	5.707	80708	1353.82	65.6	464.90	3750	1065.1933 ng/ml
alpha-PVP	4.384	8407652	3425.08	49.6	5653.62	370439	997.1468 ng/ml
Alprazolam	5.790	1979283	8266.14	103.3	∞	48002	1012.3435 ng/ml
* Amphetamine	3.081	5448015	∞	53.9	108748.89	89857	751.7819 ng/ml
* Benzoyllecgonine	3.907	424455	22149.02	7.5	2117.64	11905	1442.5581 ng/ml
Buprenorphine	5.774	145480	4849.23	15.6	2216.54	44996	105.7845 ng/ml
Bupropion	4.800	7116281	826565.59	57.0	152520.46	251101	1020.0667 ng/ml
Carisoprodol	5.739	868138	32529.01	53.2	8633.13	41510	1016.8695 ng/ml
Citalopram	5.236	4590683	164780.87	41.7	76405.59	217822	994.1765 ng/ml
Clonazepam	5.614	225181	1497.02	33.1	2025.26	5058	890.3984 ng/ml
Cocaine	4.291	6643260	272802.29	42.8	151918.74	508254	1001.0257 ng/ml
Codeine	2.617	710650	534.17	101.1	∞	32364	1041.6241 ng/ml
Cyclobenzaprine	5.631	3819546	172859.31	10.3	16333.86	135092	1013.7438 ng/ml
Dextromethorphan	5.285	2732206	150607.58	79.4	140200.40	125996	997.7656 ng/ml
Dextrorphan	4.140	2280354	1343.46	209.7	498355.12	294526	1047.3770 ng/ml
Diazepam	5.968	1283311	∞	87.4	3275.39	63504	1005.8966 ng/ml
Dihydrocodeine	2.581	2176951	30801.61	65.7	56660.29	149316	878.6580 ng/ml
Diphenhydramine	5.313	10566752	538005.41	33.1	36408.90	790476	1016.1287 ng/ml
Doxylamine	4.561	22065652	23302.10	96.9	25262.52	944921	983.4741 ng/ml
EDDP	5.271	7864430	278820.54	42.1	80834.08	423912	1030.2836 ng/ml
Fentanyl	5.099	460728	∞	76.9	35613.58	225160	106.8282 ng/ml
Fluoxetine	5.722	4105068	501647.08	9.1	75780.11	176418	1003.0725 ng/ml
Hydrocodone	3.052	2209581	292.86	41.7	169.38	158996	963.5681 ng/ml
Hydromorphone	1.634	1486924	2004.22	76.5	3472.36	57104	993.9931 ng/ml
Ketamine	4.067	6577347	10282.11	38.4	7416.30	330994	971.9815 ng/ml
* Lamotrigine	4.308	273776	3783.06	77.8	6849.32	330994	467.2565 ng/ml
* Lorazepam	5.755	132531	2528.41	58.7	400.15	5058	1287.8995 ng/ml
Meprobamate	4.929	284338	622.09	25.5	3436.25	12297	1082.5278 ng/ml
Methadone	5.661	8789099	148811.35	50.1	7876.46	397940	1022.2557 ng/ml
Methamphetamine	3.249	4425929	32324.89	43.4	18774.49	241757	903.7508 ng/ml
* Metoprolol	4.340	1019288	∞	95.9	∞	755008	752.5295 ng/ml

p1 QC 1000

*outside curve range

Generated at 2:30 PM on 11/25/2019

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AM #28 Multi-Drug Quant. Results

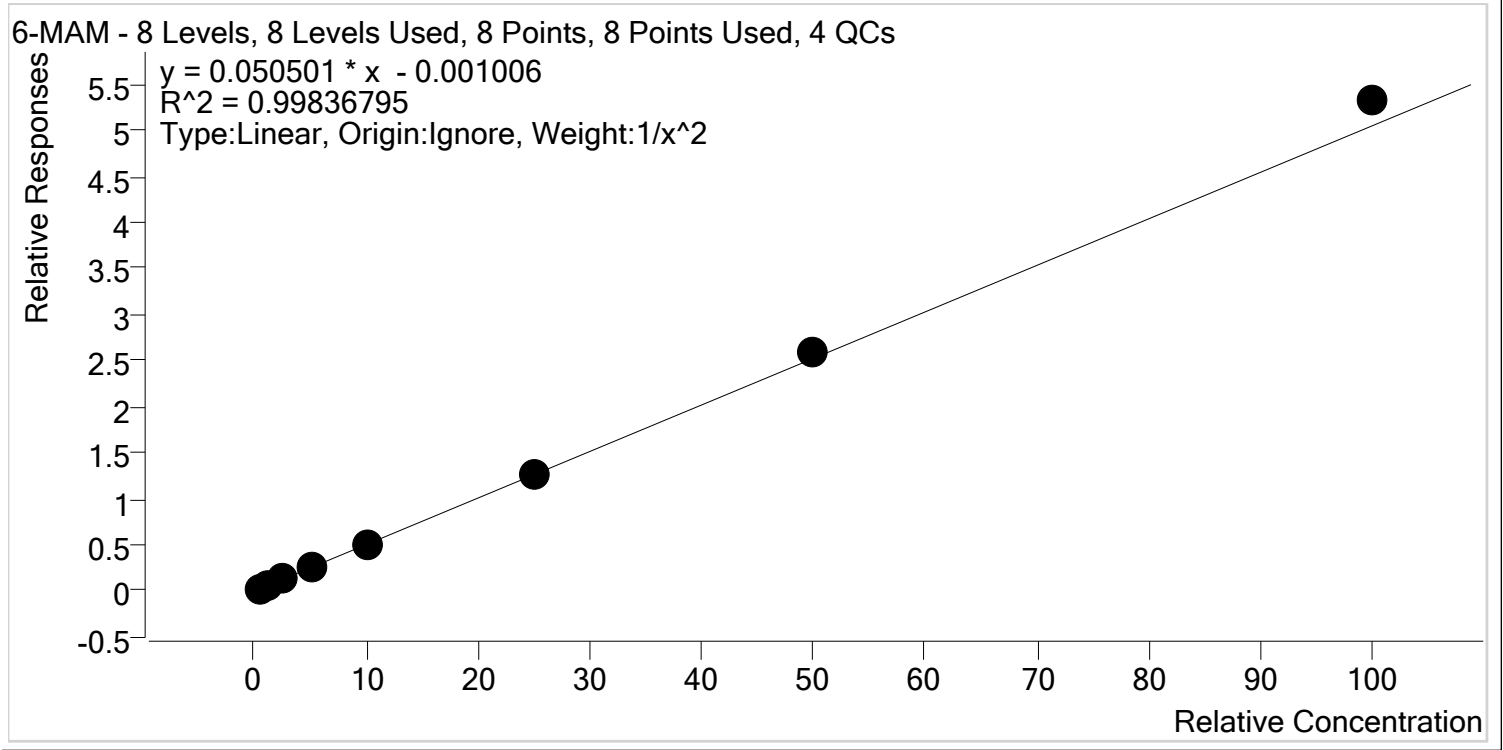
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.636	12486235	492086.34	48.9	∞	370439	996.1291 ng/ml
Mitragynine	5.227	1612309	154759.92	40.5	54401.03	397940	995.0063 ng/ml
Morphine	1.266	247223	4376.89	21.4	1713.25	2588	994.2856 ng/ml
Norbuprenorphine	5.003	6245	325.65	81.9	90.12	3265	104.1941 ng/ml
Nordiazepam	5.908	363343	1243.46	57.4	1064.71	11088	1042.4157 ng/ml
Norfentanyl	4.102	794323	11313.60	37.2	2269.09	358980	103.5996 ng/ml
* Norhydrocodone	3.100	95861	406.68	40.2	175.52	31086	1292.4616 ng/ml
Noroxycodone	2.943	1346815	11590.12	47.9	319.09	41628	1005.1203 ng/ml
O-desmethyl-tramadol	3.394	16824060	319155.67	6.0	25833.86	891339	1041.7925 ng/ml
Oxazepam	5.758	160204	756.90	70.0	264.21	10248	995.9428 ng/ml
Oxycodone	2.868	4874594	28498.08	31.2	9868.61	228142	1017.5055 ng/ml
Oxymorphone	1.417	861324	∞	48.5	549.38	32726	993.8496 ng/ml
Phentermine	3.798	1586630	∞	2.0	∞	235482	882.0449 ng/ml
Promethazine	5.548	10167701	1209.66	29.4	1012.89	447883	1013.0489 ng/ml
Quetiapine	5.551	6725749	255869.55	58.7	5383.12	116659	899.5811 ng/ml
Sertraline	5.798	1702228	102143.80	90.1	652257.32	74608	997.0494 ng/ml
Temazepam	5.832	1406546	1446.25	30.1	6514.26	69059	1096.9316 ng/ml
Tramadol	4.260	13689574	138753.66	3.3	1076.79	755008	1000.5650 ng/ml
Trazodone	5.133	9299059	510731.69	77.8	661783.04	320329	1089.4863 ng/ml
Venlafaxine	5.054	12418164	27839.25	36.2	8064.60	660525	1008.8914 ng/ml
Zolpidem	4.898	15109938	287359.85	30.5	108391.60	764187	979.3099 ng/ml

*outside curve range



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 11/25/2019 12:42 PM
Analyst Name ISP\datastor
Analyte 6-MAM **Internal Standard** 6-MAM-D6

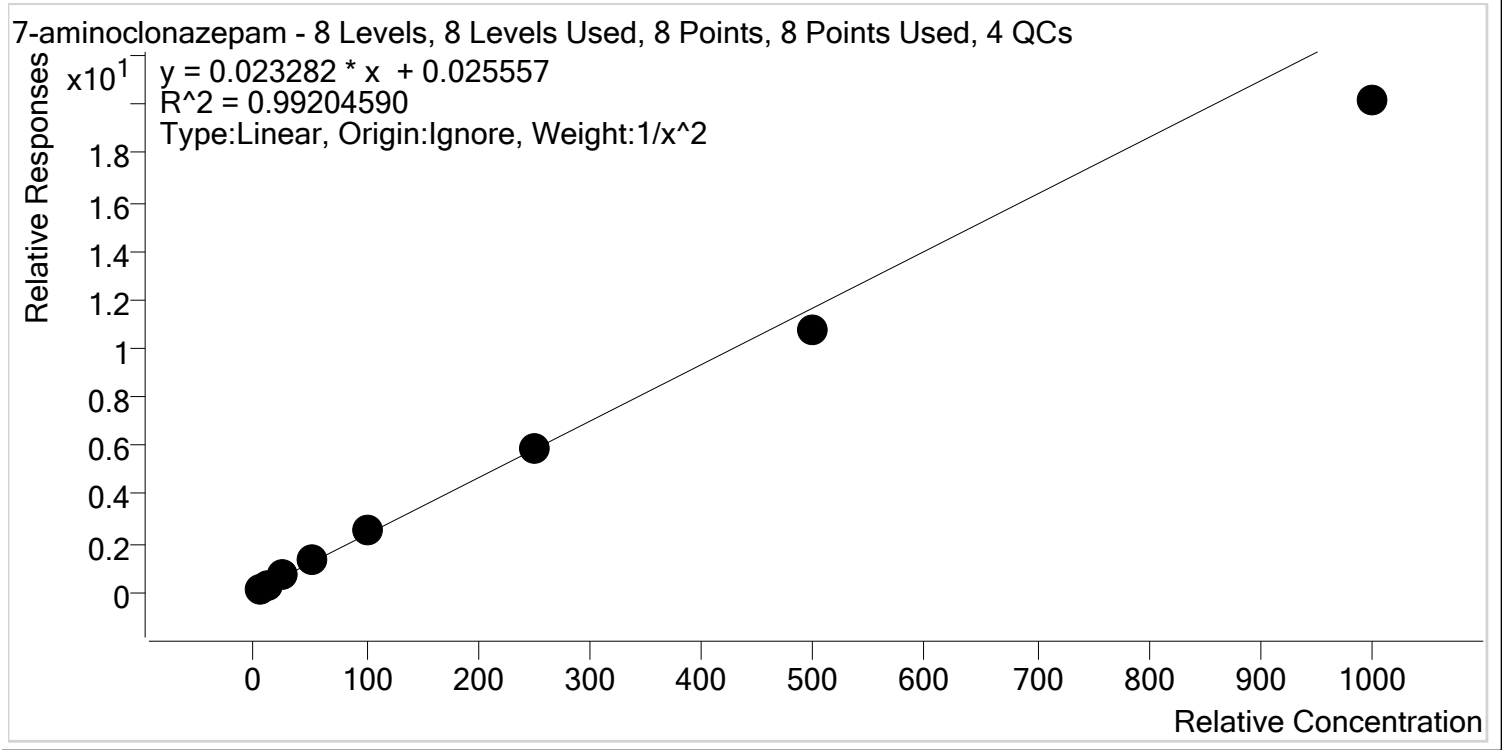


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	103.2
p1 Cal 2- 10ng	2	✓	1.0	0.9	94.6
p1 Cal 3 -25ng	3	✓	2.5	2.4	97.8
p1 Cal 4-50ng	4	✓	5.0	5.0	100.1
p1 Cal 5-100ng	5	✓	10.0	9.7	97.3
p1 Cal 6-250ng	6	✓	25.0	24.8	99.3
p1 Cal 7-500ng	7	✓	50.0	51.1	102.2
p1 Cal 8-1000ng	8	✓	100.0	105.4	105.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 11/25/2019 12:42 PM
Analyst Name ISP\datastor
Analyte 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4

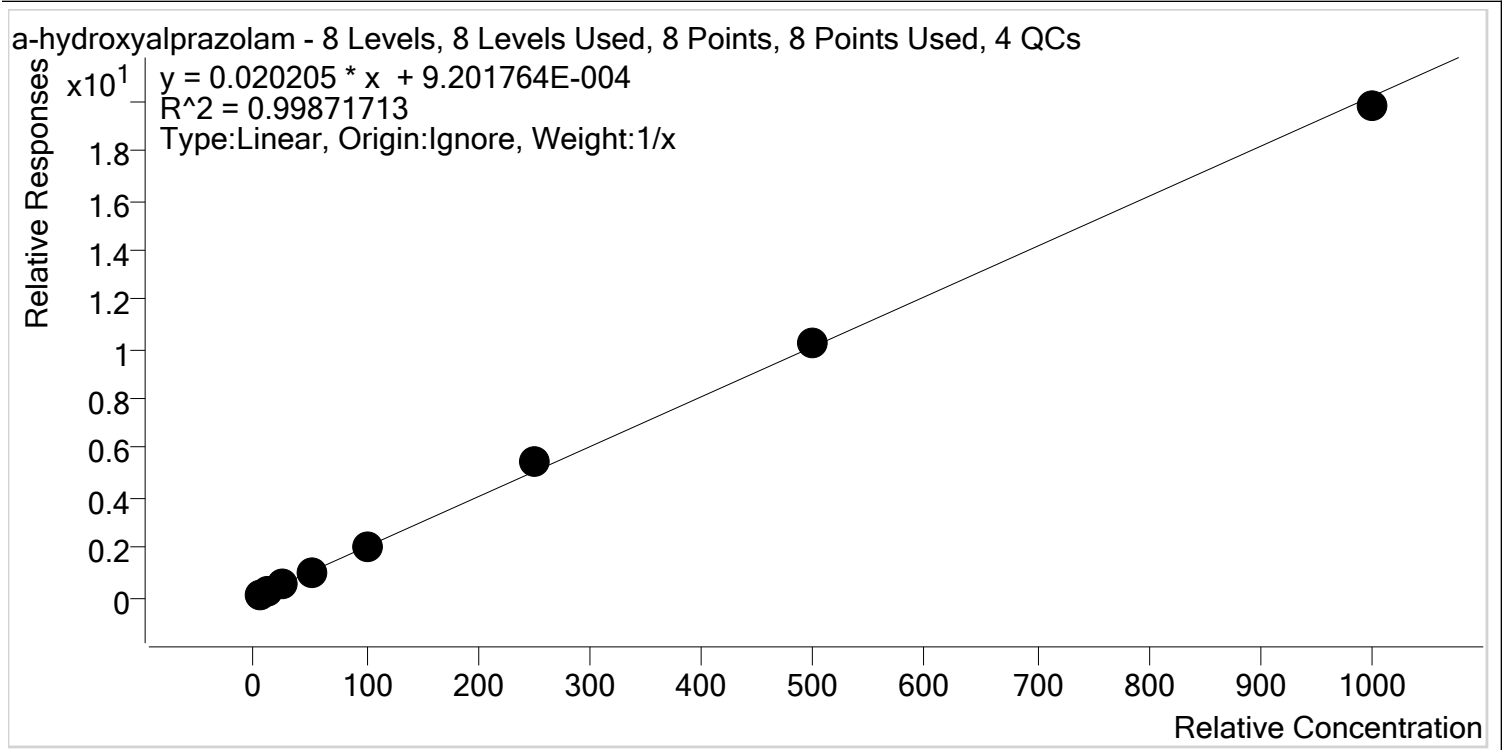


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.6
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.6
p1 Cal 3 -25ng	3	✓	25.0	27.0	108.1
p1 Cal 4-50ng	4	✓	50.0	54.2	108.4
p1 Cal 5-100ng	5	✓	100.0	106.0	106.0
p1 Cal 6-250ng	6	✓	250.0	250.4	100.2
p1 Cal 7-500ng	7	✓	500.0	463.1	92.6
p1 Cal 8-1000ng	8	✓	1000.0	865.2	86.5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 11/25/2019 12:42 PM
Analyst Name ISP\datastor
Analyte a-hydroxyalprazolam **Internal Standard** a-hydroxyalprazolam-D5



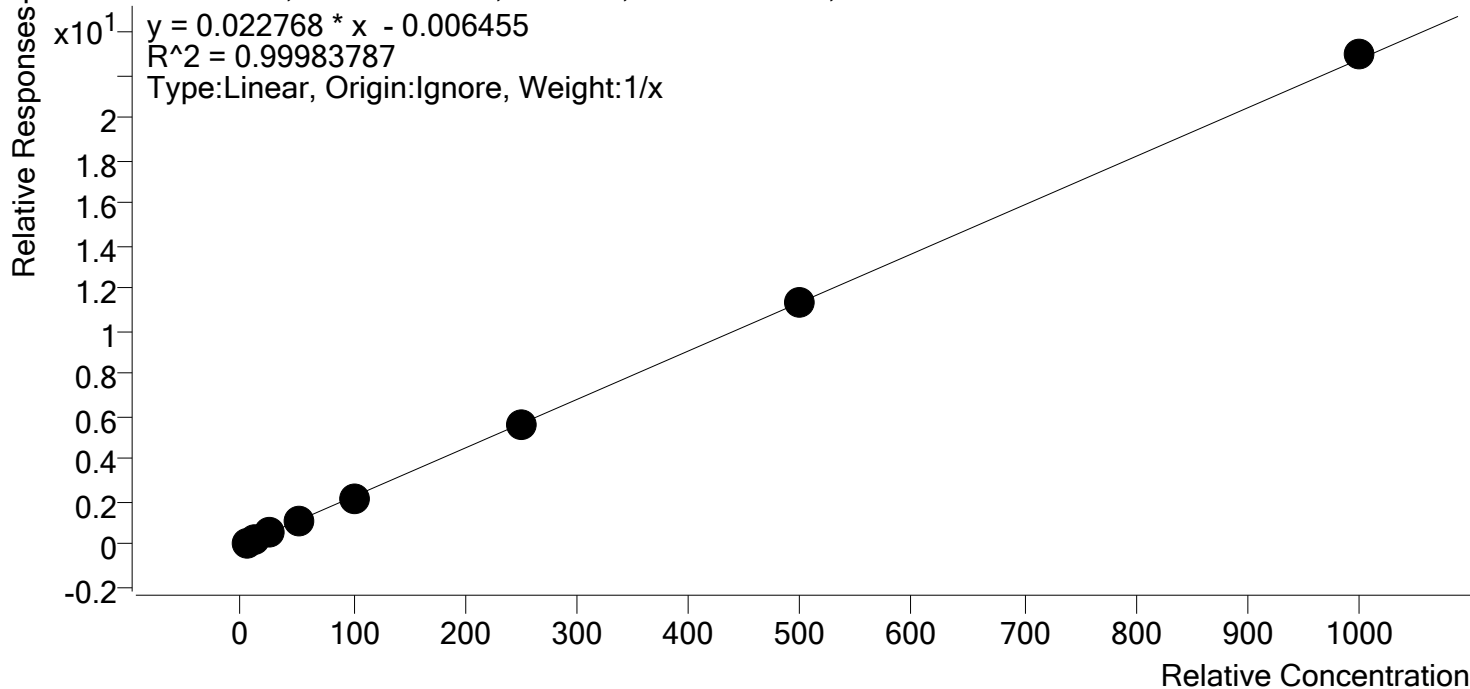
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.2
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.7
p1 Cal 3 -25ng	3	✓	25.0	24.0	95.9
p1 Cal 4-50ng	4	✓	50.0	47.7	95.4
p1 Cal 5-100ng	5	✓	100.0	97.8	97.8
p1 Cal 6-250ng	6	✓	250.0	270.2	108.1
p1 Cal 7-500ng	7	✓	500.0	505.0	101.0
p1 Cal 8-1000ng	8	✓	1000.0	980.1	98.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 11/25/2019 12:42 PM
Analyst Name ISP\datastor
Analyte alpha-PVP **Internal Standard** alpha-PVP-d8

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

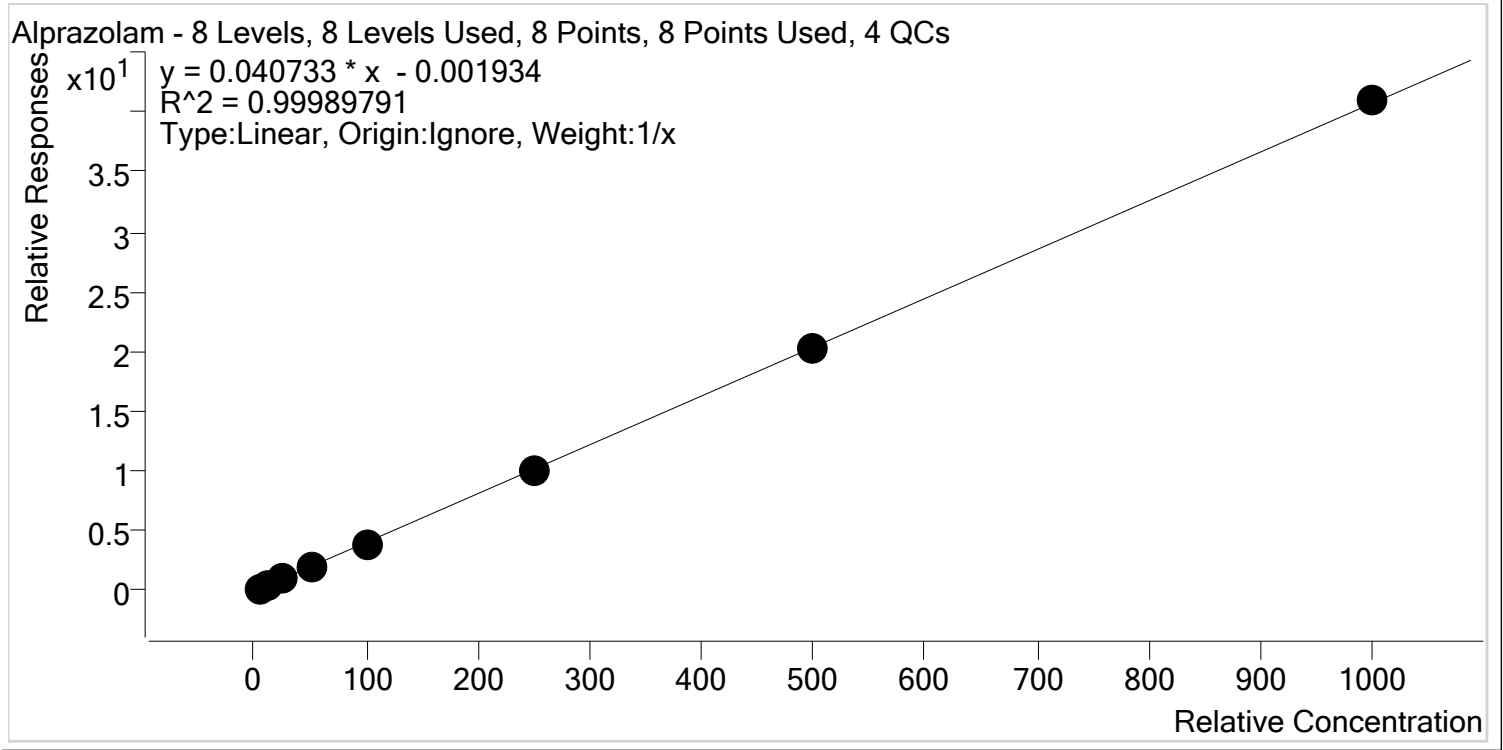


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	106.0
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.3
p1 Cal 4-50ng	4	✓	50.0	49.6	99.2
p1 Cal 5-100ng	5	✓	100.0	97.0	97.0
p1 Cal 6-250ng	6	✓	250.0	246.1	98.4
p1 Cal 7-500ng	7	✓	500.0	497.6	99.5
p1 Cal 8-1000ng	8	✓	1000.0	1009.8	101.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 11/25/2019 12:42 PM
Analyst Name ISP\datastor
Analyte Alprazolam **Internal Standard** Alprazolam-D5

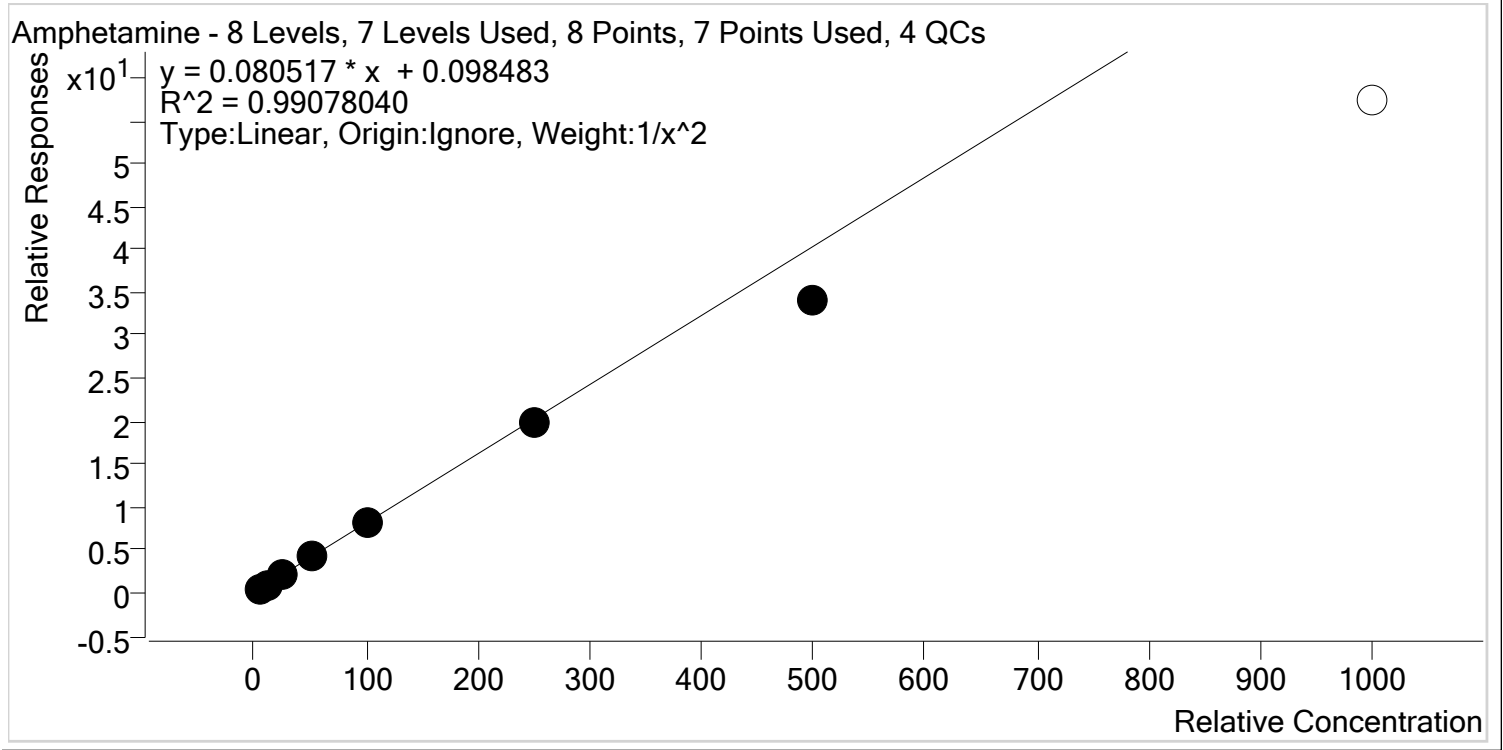


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.8
p1 Cal 2- 10ng	2	✓	10.0	10.3	102.6
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.7
p1 Cal 4-50ng	4	✓	50.0	51.2	102.4
p1 Cal 5-100ng	5	✓	100.0	96.9	96.9
p1 Cal 6-250ng	6	✓	250.0	248.8	99.5
p1 Cal 7-500ng	7	✓	500.0	497.6	99.5
p1 Cal 8-1000ng	8	✓	1000.0	1005.6	100.6



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 11/25/2019 12:42 PM
Analyst Name ISP\datastor
Analyte Amphetamine **Internal Standard** Amphetamine-D11



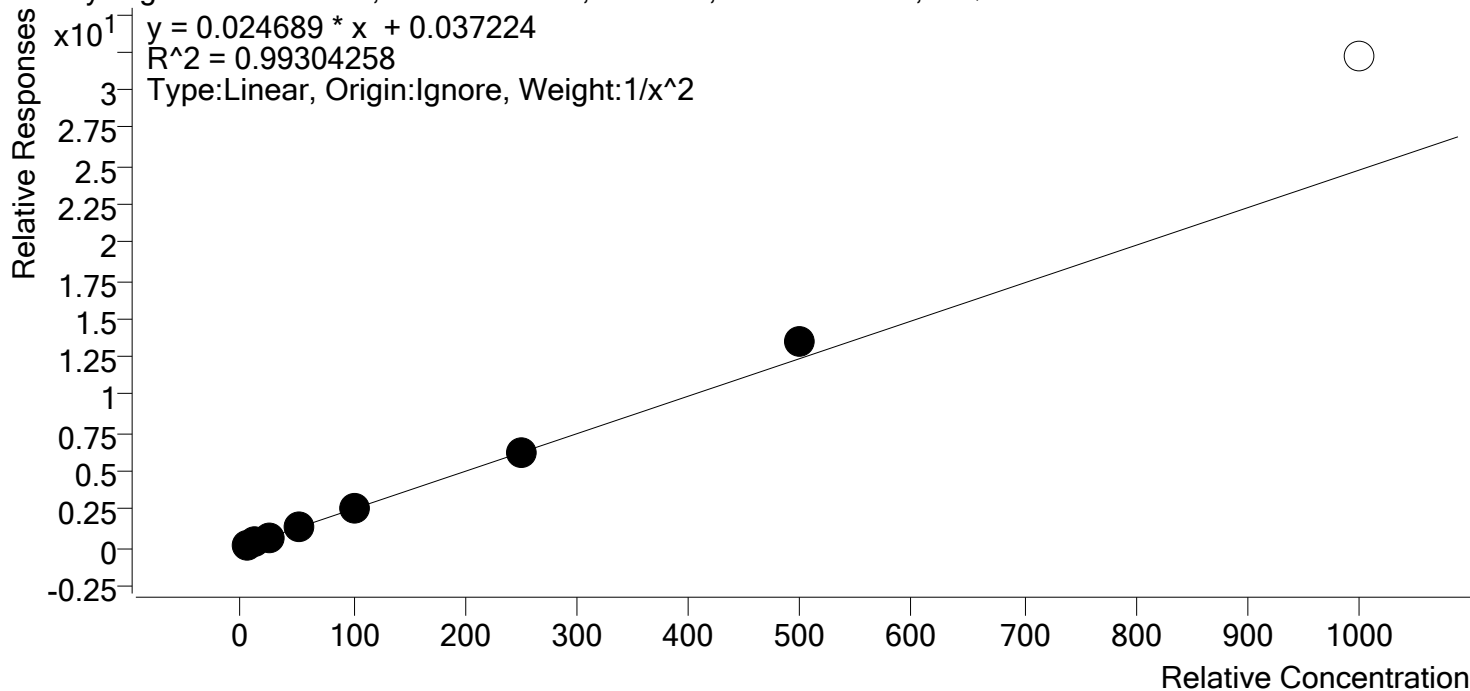
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.4
p1 Cal 2- 10ng	2	✓	10.0	10.3	103.0
p1 Cal 3 -25ng	3	✓	25.0	26.6	106.3
p1 Cal 4-50ng	4	✓	50.0	54.7	109.4
p1 Cal 5-100ng	5	✓	100.0	102.8	102.8
p1 Cal 6-250ng	6	✓	250.0	243.7	97.5
p1 Cal 7-500ng	7	✓	500.0	423.3	84.7
p1 Cal 8-1000ng	8	✗	1000.0	710.7	71.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 11/25/2019 12:42 PM
Analyst Name ISP\datastor
Analyte Benzoylecgonine **Internal Standard** Benzoylecgonine-d8

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



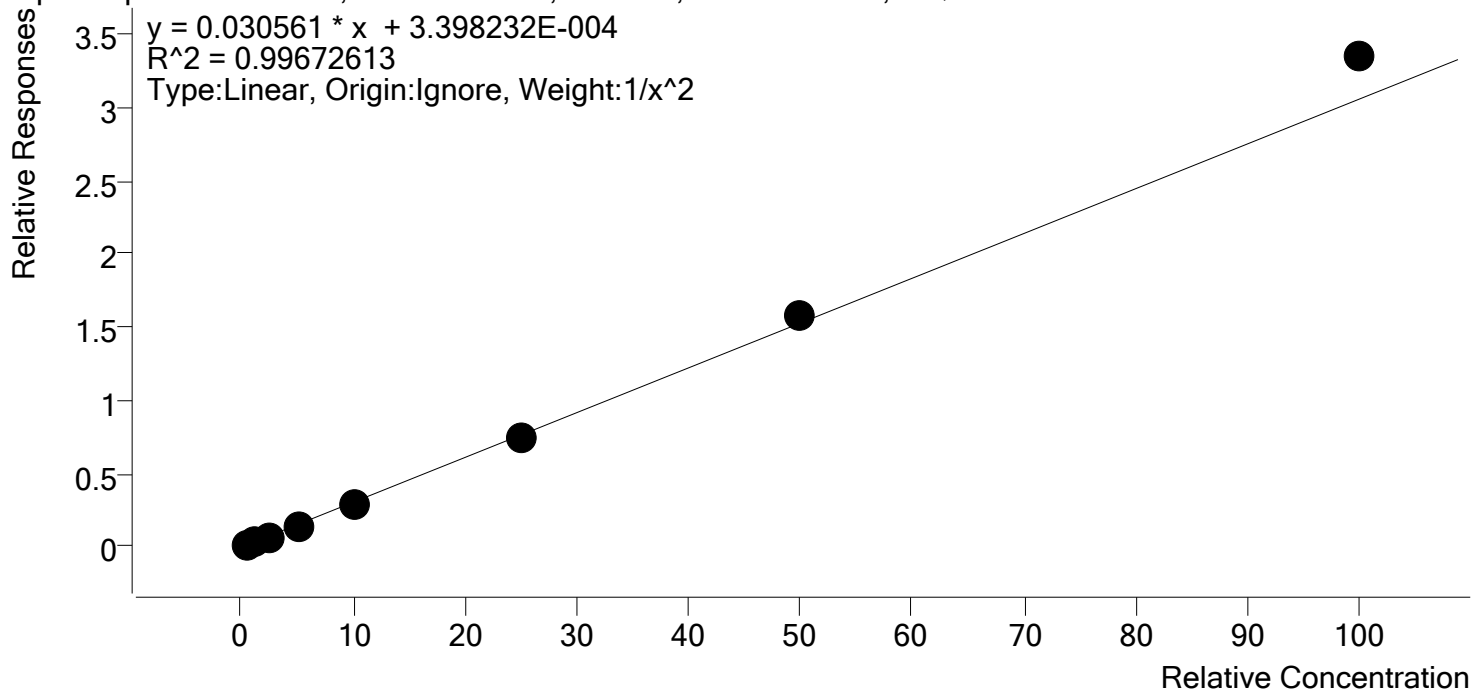
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	106.8
p1 Cal 2- 10ng	2	✓	10.0	8.9	88.6
p1 Cal 3 -25ng	3	✓	25.0	23.4	93.4
p1 Cal 4-50ng	4	✓	50.0	50.8	101.7
p1 Cal 5-100ng	5	✓	100.0	99.3	99.3
p1 Cal 6-250ng	6	✓	250.0	254.1	101.7
p1 Cal 7-500ng	7	✓	500.0	543.1	108.6
p1 Cal 8-1000ng	8	✗	1000.0	1301.4	130.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 11/25/2019 12:42 PM
Analyst Name ISP\datastor
Analyte Buprenorphine **Internal Standard** Buprenorphine-D4

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

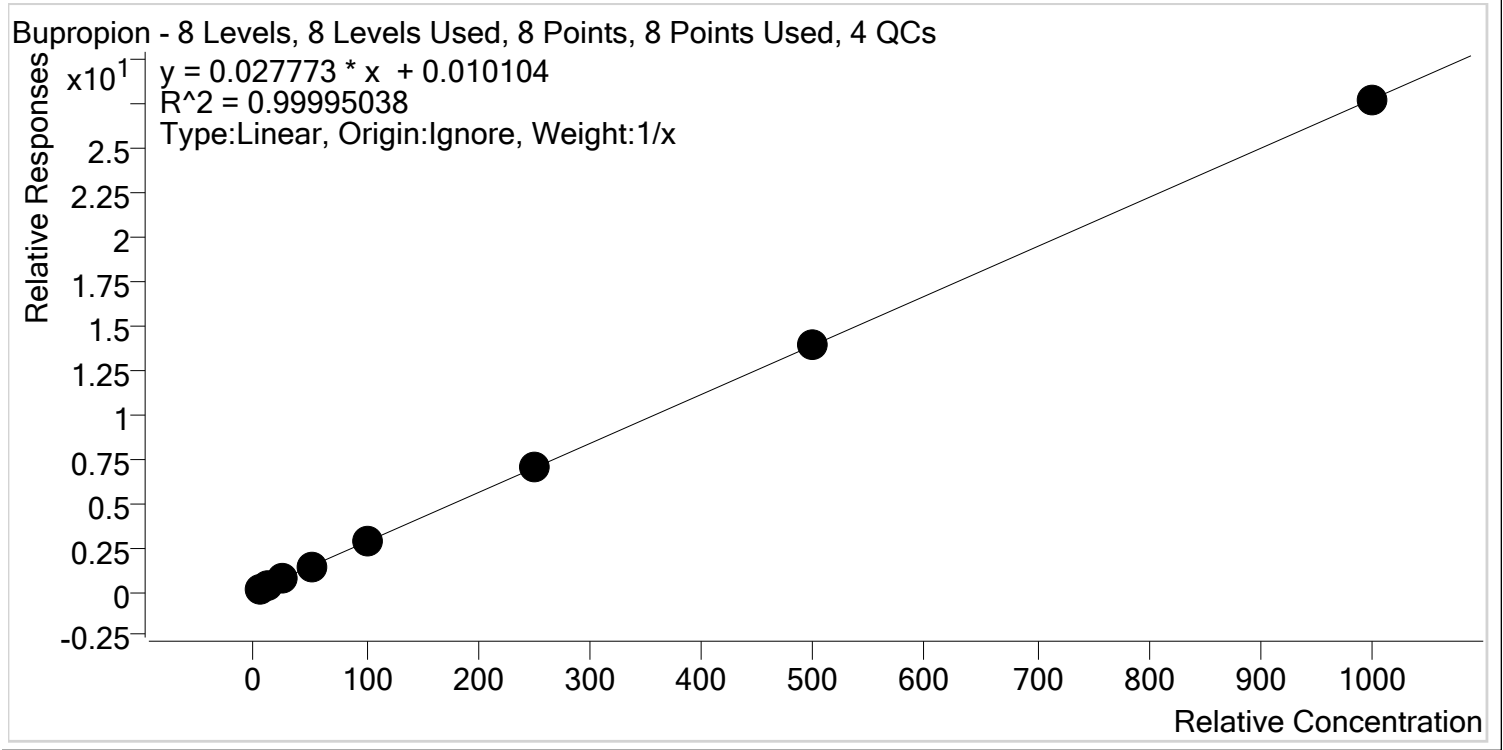


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	103.0
p1 Cal 2- 10ng	2	✓	1.0	1.0	96.6
p1 Cal 3 -25ng	3	✓	2.5	2.4	96.3
p1 Cal 4-50ng	4	✓	5.0	4.7	94.7
p1 Cal 5-100ng	5	✓	10.0	9.8	97.9
p1 Cal 6-250ng	6	✓	25.0	24.6	98.4
p1 Cal 7-500ng	7	✓	50.0	51.8	103.6
p1 Cal 8-1000ng	8	✓	100.0	109.5	109.5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 11/25/2019 12:42 PM
Analyst Name ISP\datastor
Analyte Bupropion **Internal Standard** Bupropion-D9

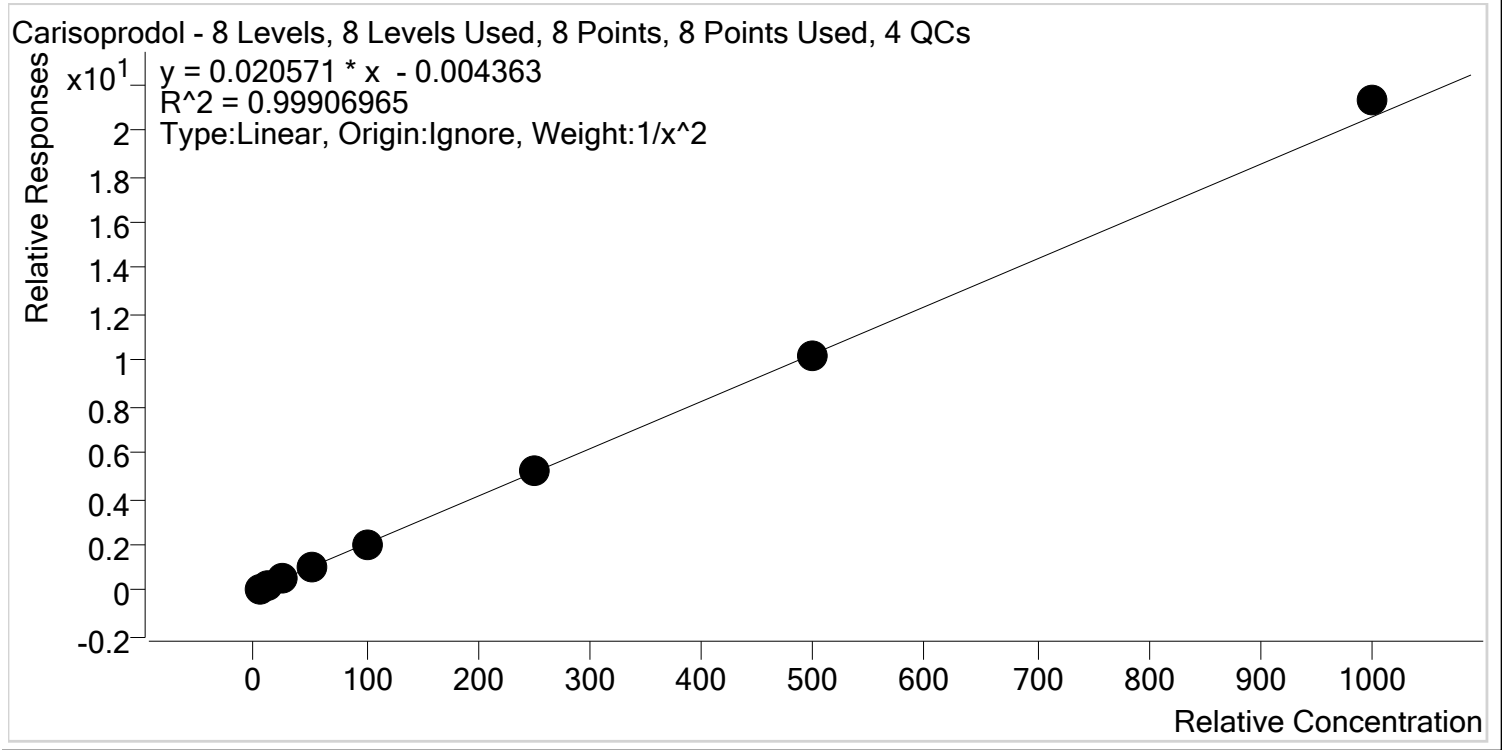


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.7
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.0
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.6
p1 Cal 4-50ng	4	✓	50.0	51.1	102.2
p1 Cal 5-100ng	5	✓	100.0	101.1	101.1
p1 Cal 6-250ng	6	✓	250.0	252.9	101.1
p1 Cal 7-500ng	7	✓	500.0	498.0	99.6
p1 Cal 8-1000ng	8	✓	1000.0	997.3	99.7



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 11/25/2019 12:42 PM
Analyst Name ISP\datastor
Analyte Carisoprodol **Internal Standard** Carisoprodol-D7

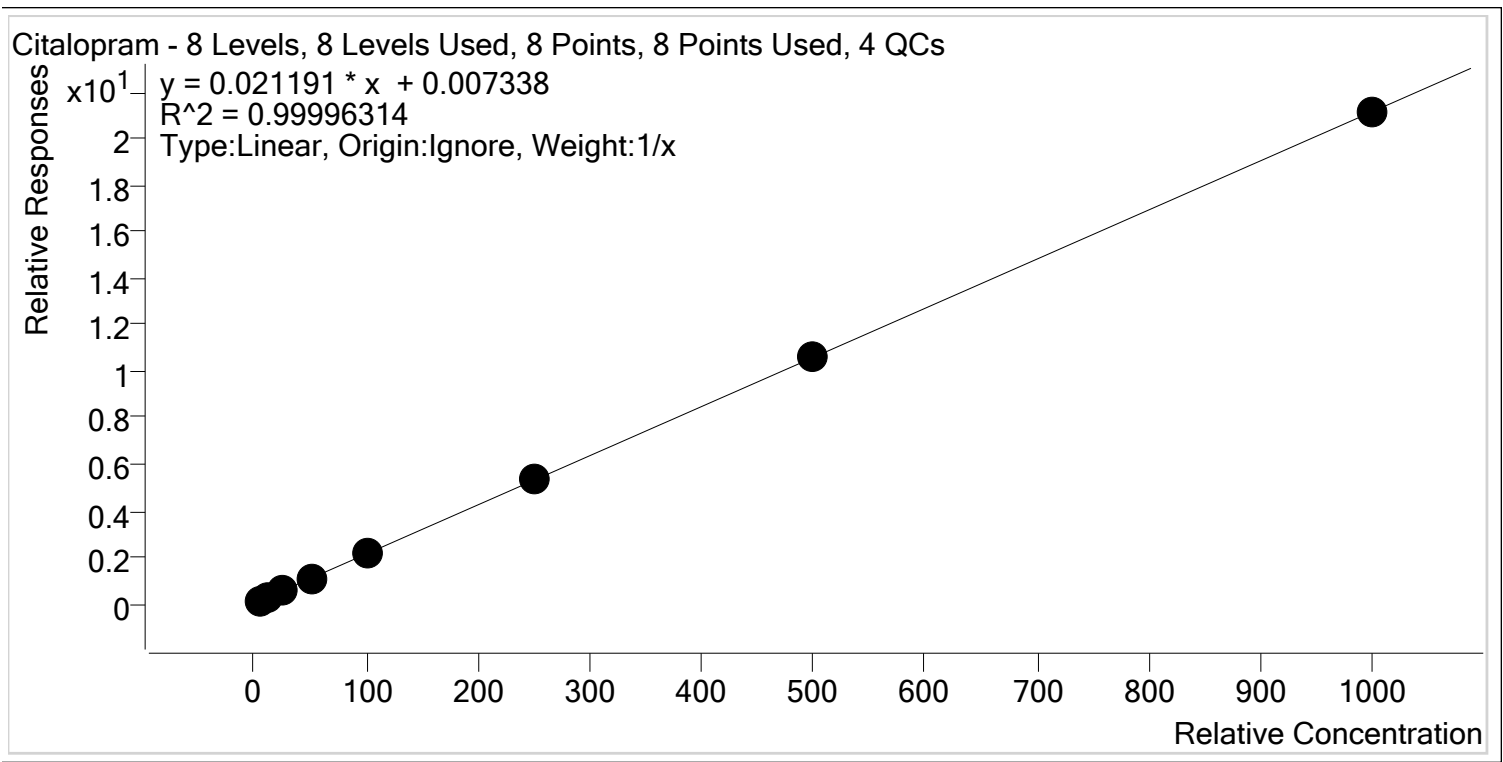


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.1
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.1
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.0
p1 Cal 4-50ng	4	✓	50.0	50.3	100.7
p1 Cal 5-100ng	5	✓	100.0	94.4	94.4
p1 Cal 6-250ng	6	✓	250.0	251.4	100.6
p1 Cal 7-500ng	7	✓	500.0	498.5	99.7
p1 Cal 8-1000ng	8	✓	1000.0	1034.4	103.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 11/25/2019 12:42 PM
Analyst Name ISP\datastor
Analyte Citalopram **Internal Standard** Citalopram-D6



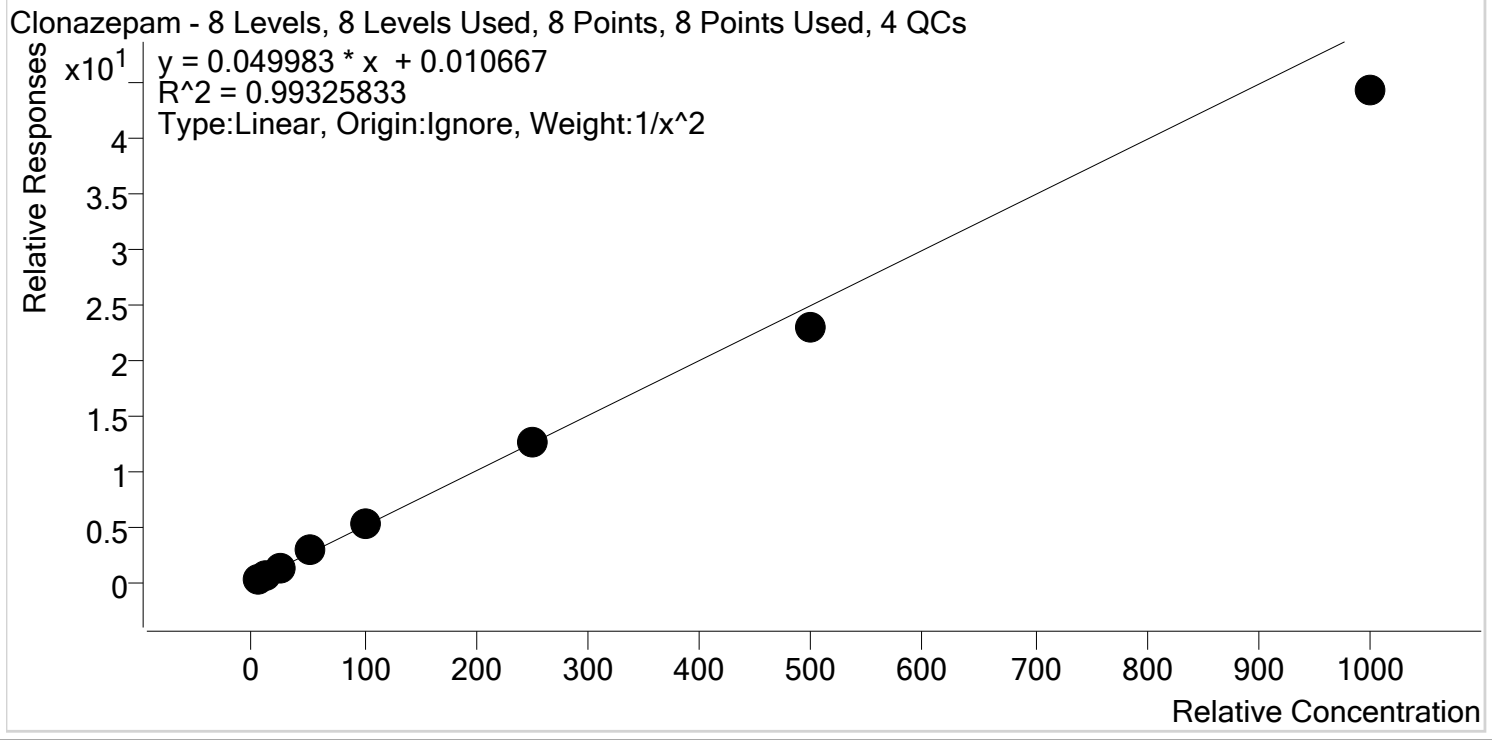
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.1
p1 Cal 2- 10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.1
p1 Cal 4-50ng	4	✓	50.0	50.8	101.5
p1 Cal 5-100ng	5	✓	100.0	99.8	99.8
p1 Cal 6-250ng	6	✓	250.0	253.2	101.3
p1 Cal 7-500ng	7	✓	500.0	498.1	99.6
p1 Cal 8-1000ng	8	✓	1000.0	998.2	99.8

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 11/25/2019 12:42 PM
Analyst Name ISP\datastor
Analyte Clonazepam **Internal Standard** Clonazepam-D4

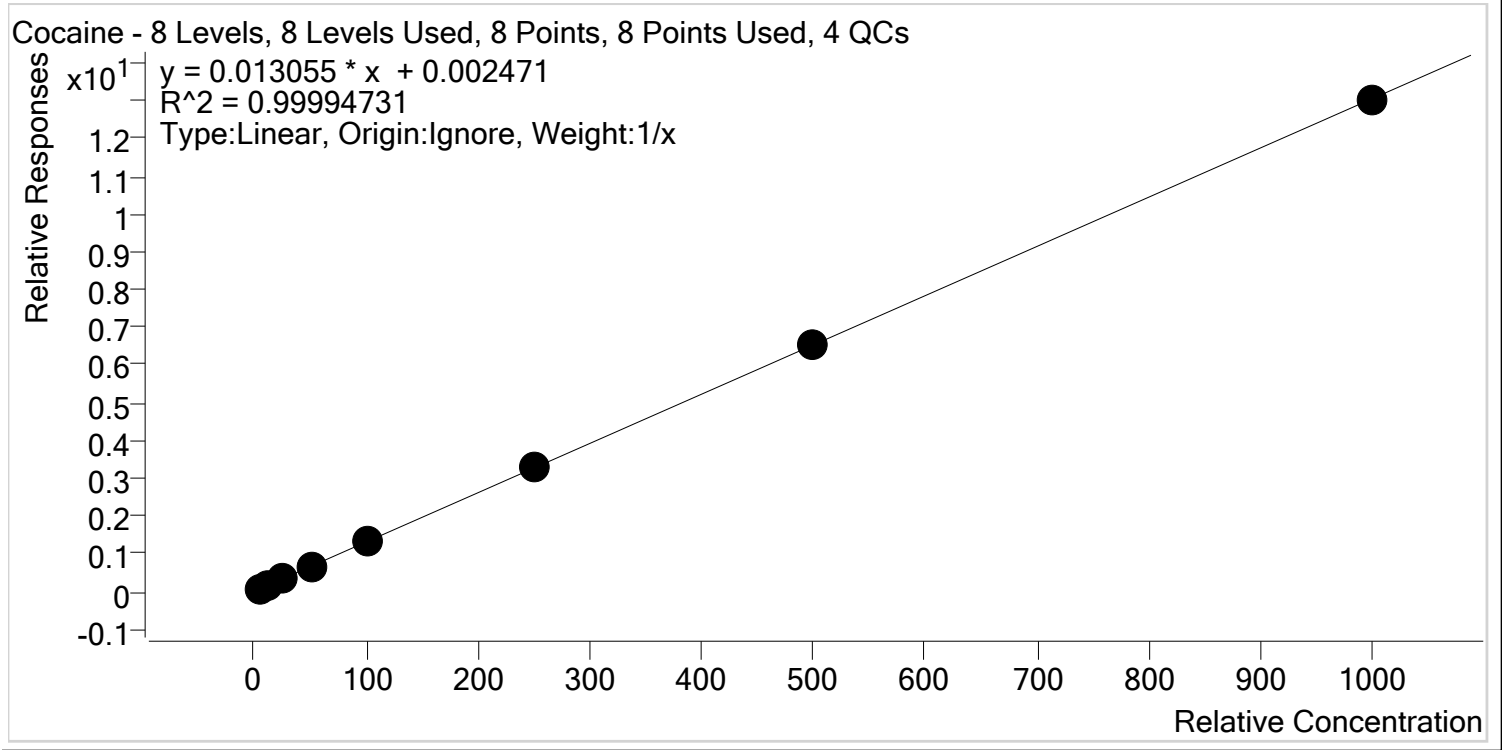


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.7
p1 Cal 2- 10ng	2	✓	10.0	10.6	106.2
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.5
p1 Cal 4-50ng	4	✓	50.0	54.4	108.8
p1 Cal 5-100ng	5	✓	100.0	106.8	106.8
p1 Cal 6-250ng	6	✓	250.0	251.2	100.5
p1 Cal 7-500ng	7	✓	500.0	463.3	92.7
p1 Cal 8-1000ng	8	✓	1000.0	888.8	88.9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 11/25/2019 12:42 PM
Analyst Name ISP\datastor
Analyte Cocaine **Internal Standard** Cocaine-d3

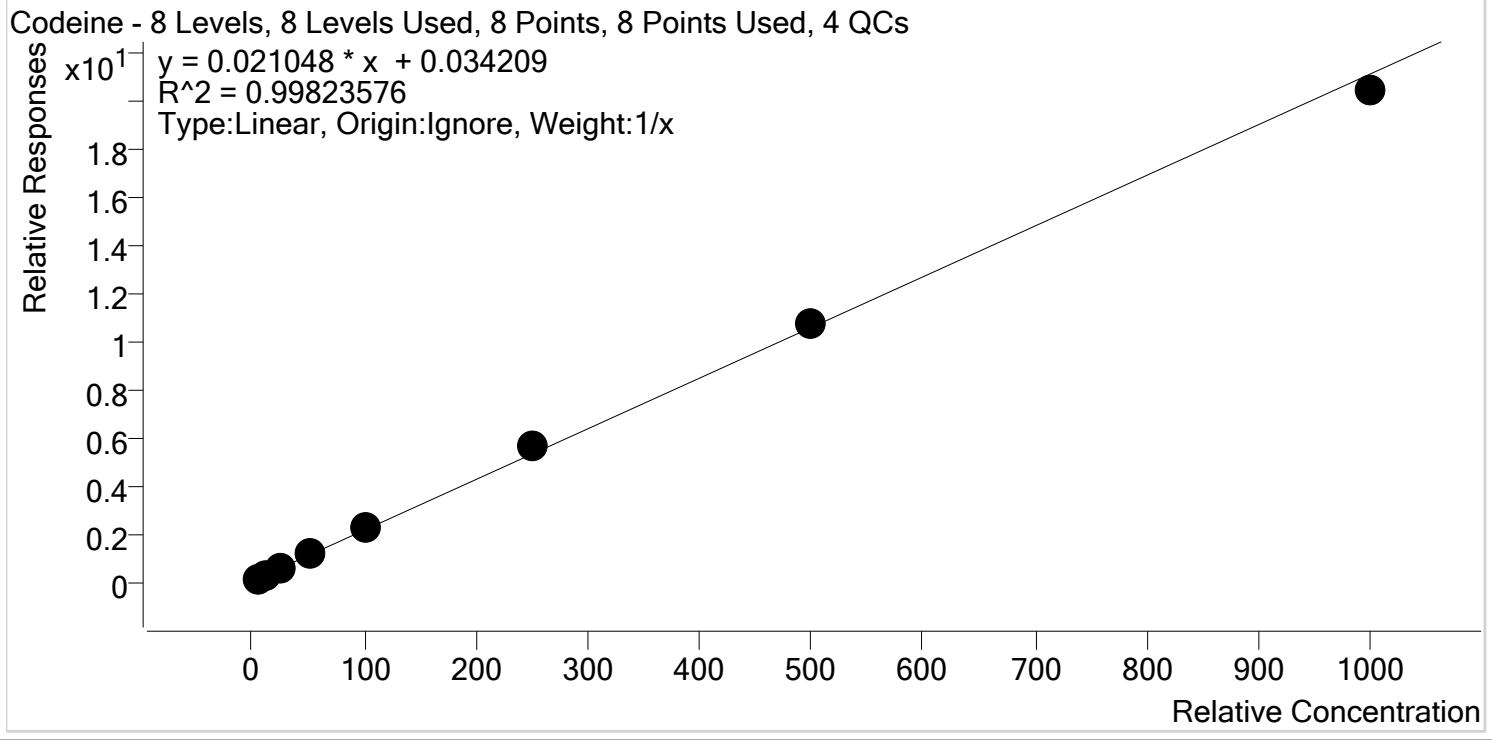


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.4
p1 Cal 2- 10ng	2	✓	10.0	9.9	98.5
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.8
p1 Cal 4-50ng	4	✓	50.0	50.4	100.7
p1 Cal 5-100ng	5	✓	100.0	98.4	98.4
p1 Cal 6-250ng	6	✓	250.0	253.0	101.2
p1 Cal 7-500ng	7	✓	500.0	502.2	100.4
p1 Cal 8-1000ng	8	✓	1000.0	996.2	99.6



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 11/25/2019 12:42 PM
Analyst Name ISP\datastor
Analyte Codeine **Internal Standard** Codeine-D6



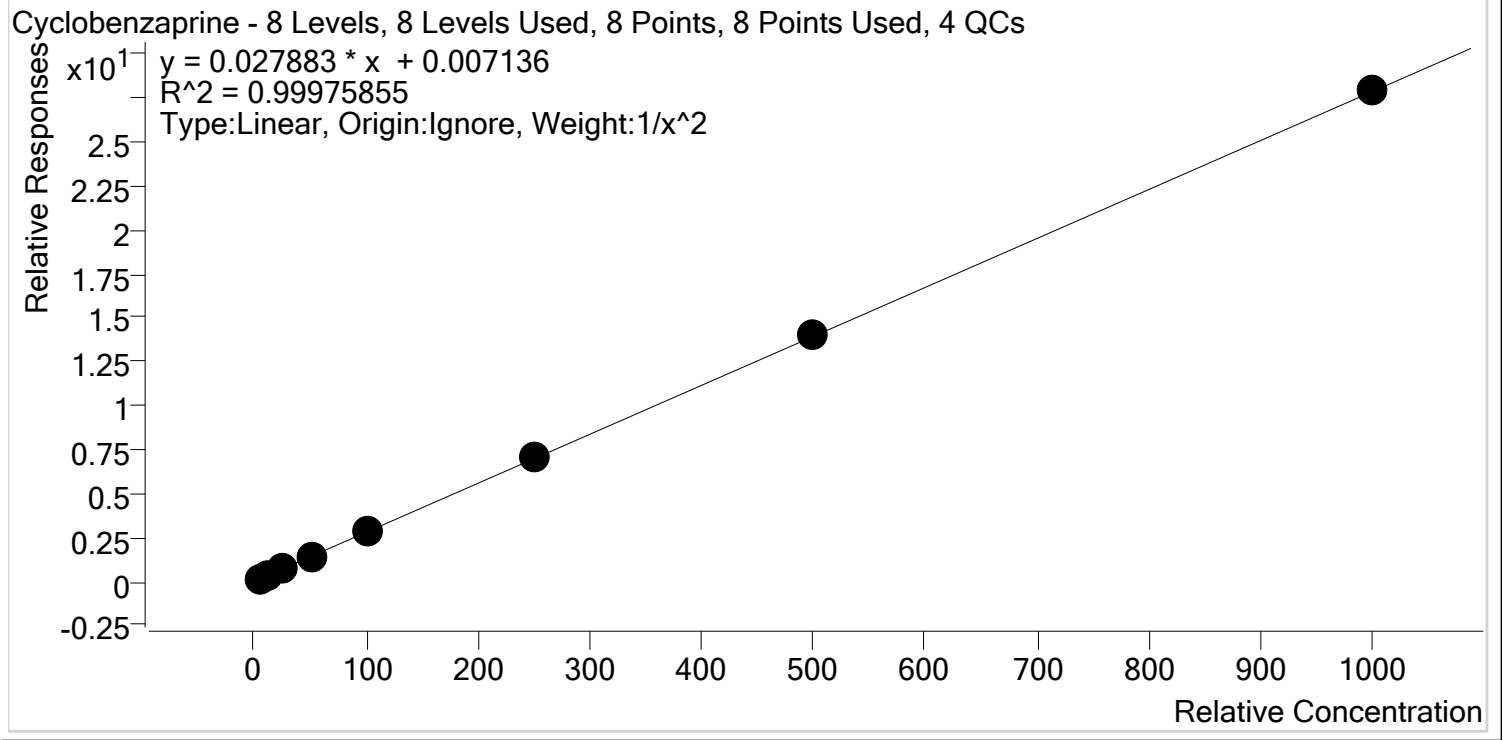
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.3	86.1
p1 Cal 2- 10ng	2	✓	10.0	9.3	92.7
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.6
p1 Cal 4-50ng	4	✓	50.0	53.0	106.0
p1 Cal 5-100ng	5	✓	100.0	106.8	106.8
p1 Cal 6-250ng	6	✓	250.0	267.0	106.8
p1 Cal 7-500ng	7	✓	500.0	506.4	101.3
p1 Cal 8-1000ng	8	✓	1000.0	967.3	96.7

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 11/25/2019 12:42 PM
Analyst Name ISP\datastor
Analyte Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

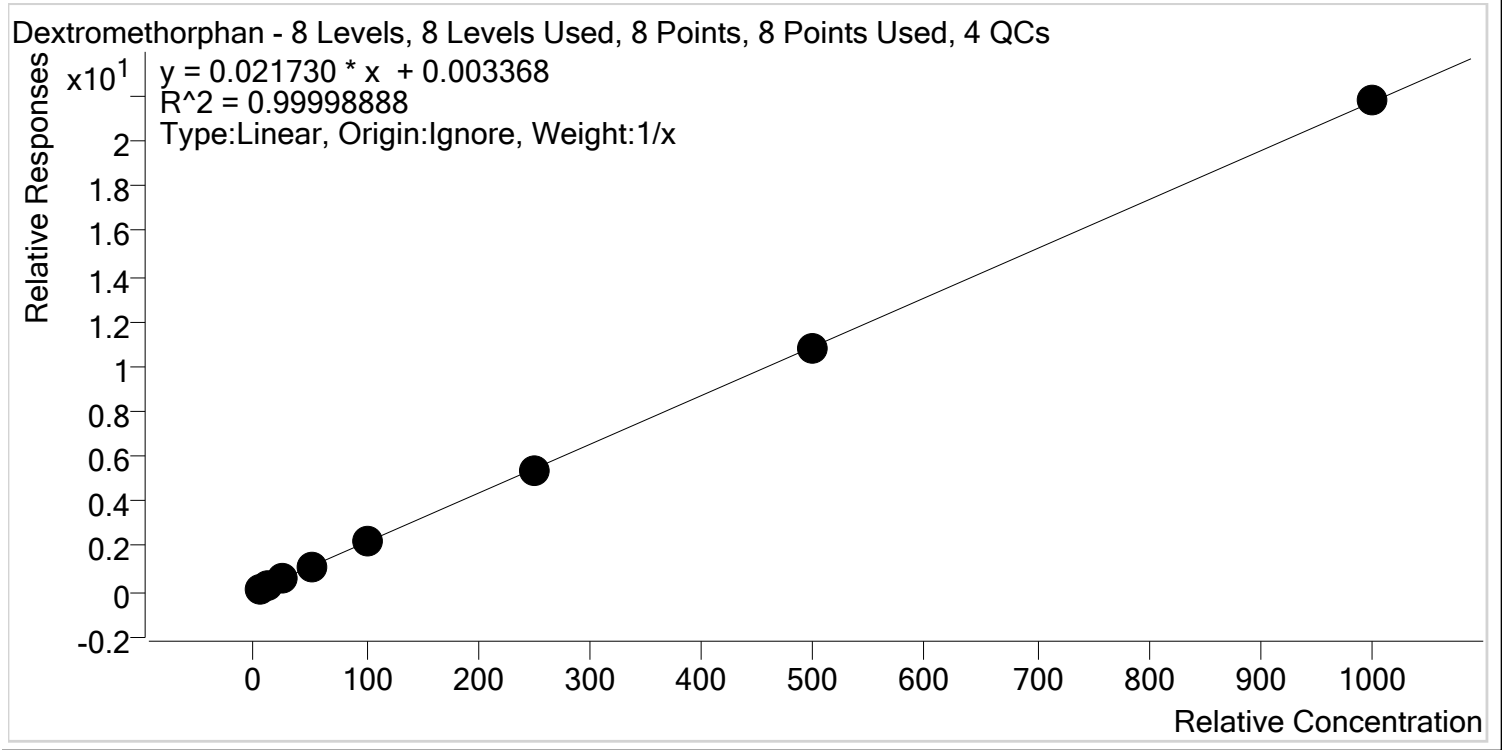


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.2
p1 Cal 2- 10ng	2	✓	10.0	9.8	97.9
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.8
p1 Cal 4-50ng	4	✓	50.0	50.7	101.4
p1 Cal 5-100ng	5	✓	100.0	99.0	99.0
p1 Cal 6-250ng	6	✓	250.0	253.7	101.5
p1 Cal 7-500ng	7	✓	500.0	500.3	100.1
p1 Cal 8-1000ng	8	✓	1000.0	1002.2	100.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 11/25/2019 12:42 PM
Analyst Name ISP\datastor
Analyte Dextromethorphan **Internal Standard** Dextromethorphan-D3

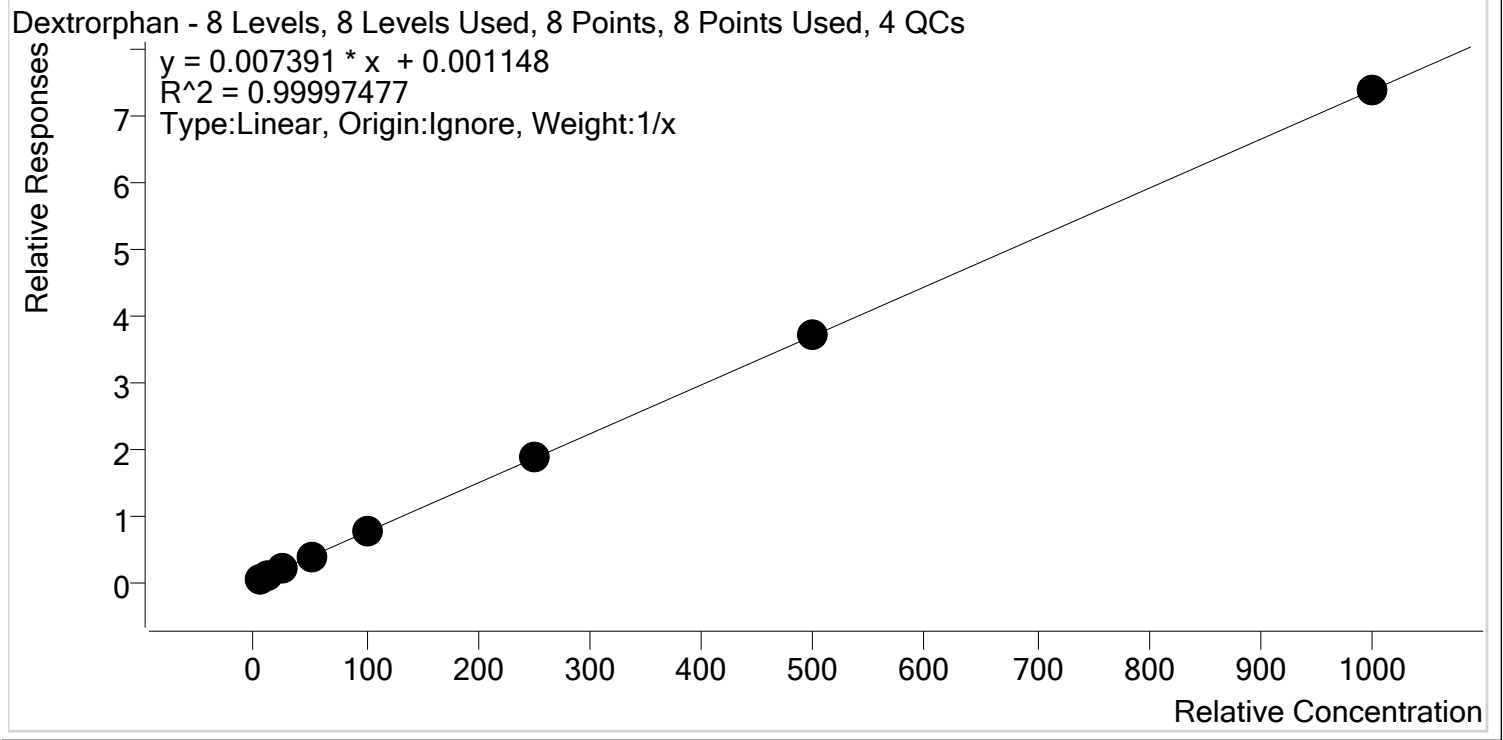


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.9
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	25.0	99.9
p1 Cal 4-50ng	4	✓	50.0	50.0	99.9
p1 Cal 5-100ng	5	✓	100.0	99.4	99.4
p1 Cal 6-250ng	6	✓	250.0	249.5	99.8
p1 Cal 7-500ng	7	✓	500.0	498.2	99.6
p1 Cal 8-1000ng	8	✓	1000.0	1002.9	100.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 11/25/2019 12:42 PM
Analyst Name ISP\datastor
Analyte Dextrorphan **Internal Standard** Dextrorphan-D3

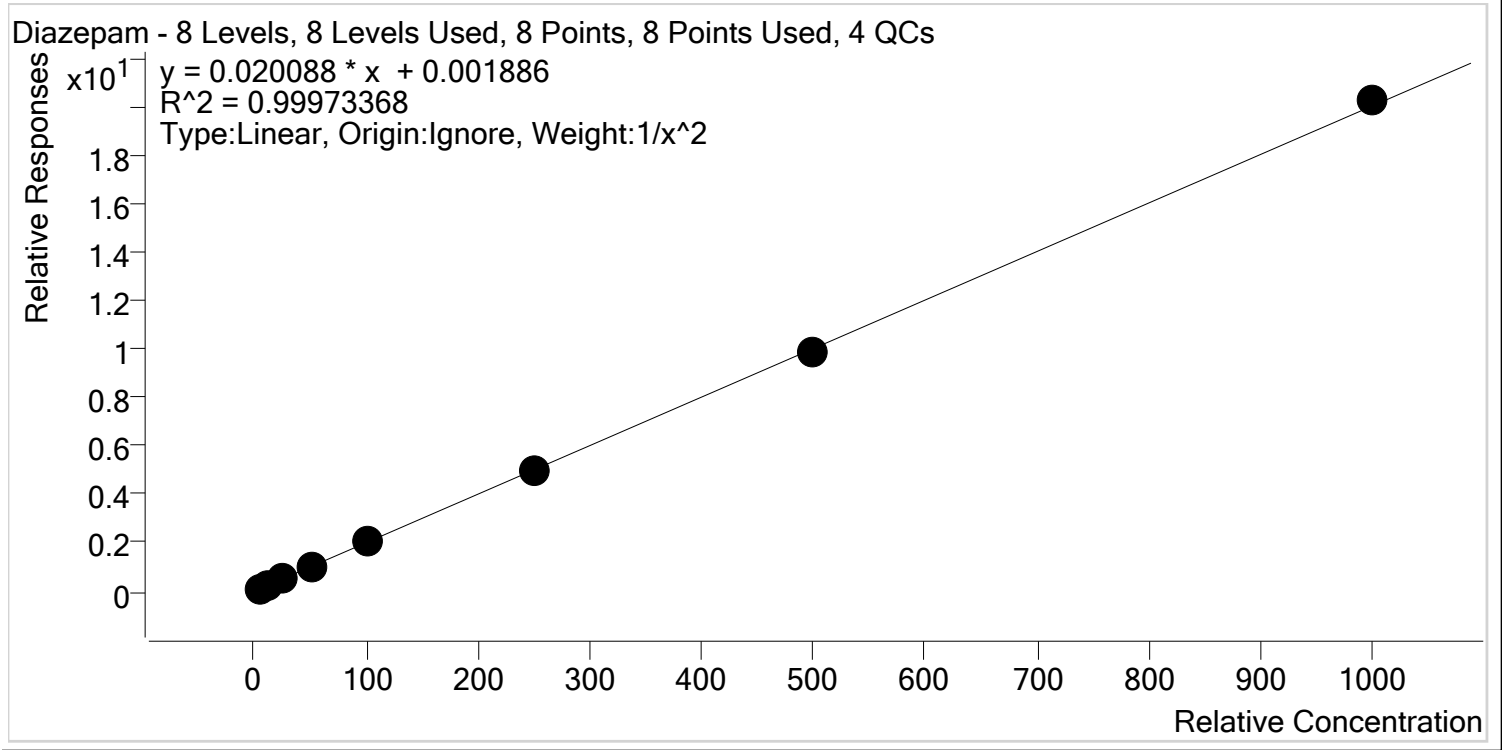


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.2
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.7
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.8
p1 Cal 4-50ng	4	✓	50.0	50.8	101.6
p1 Cal 5-100ng	5	✓	100.0	98.5	98.5
p1 Cal 6-250ng	6	✓	250.0	250.3	100.1
p1 Cal 7-500ng	7	✓	500.0	501.4	100.3
p1 Cal 8-1000ng	8	✓	1000.0	999.4	99.9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 11/25/2019 12:42 PM
Analyst Name ISP\datastor
Analyte Diazepam **Internal Standard** Diazepam-D5

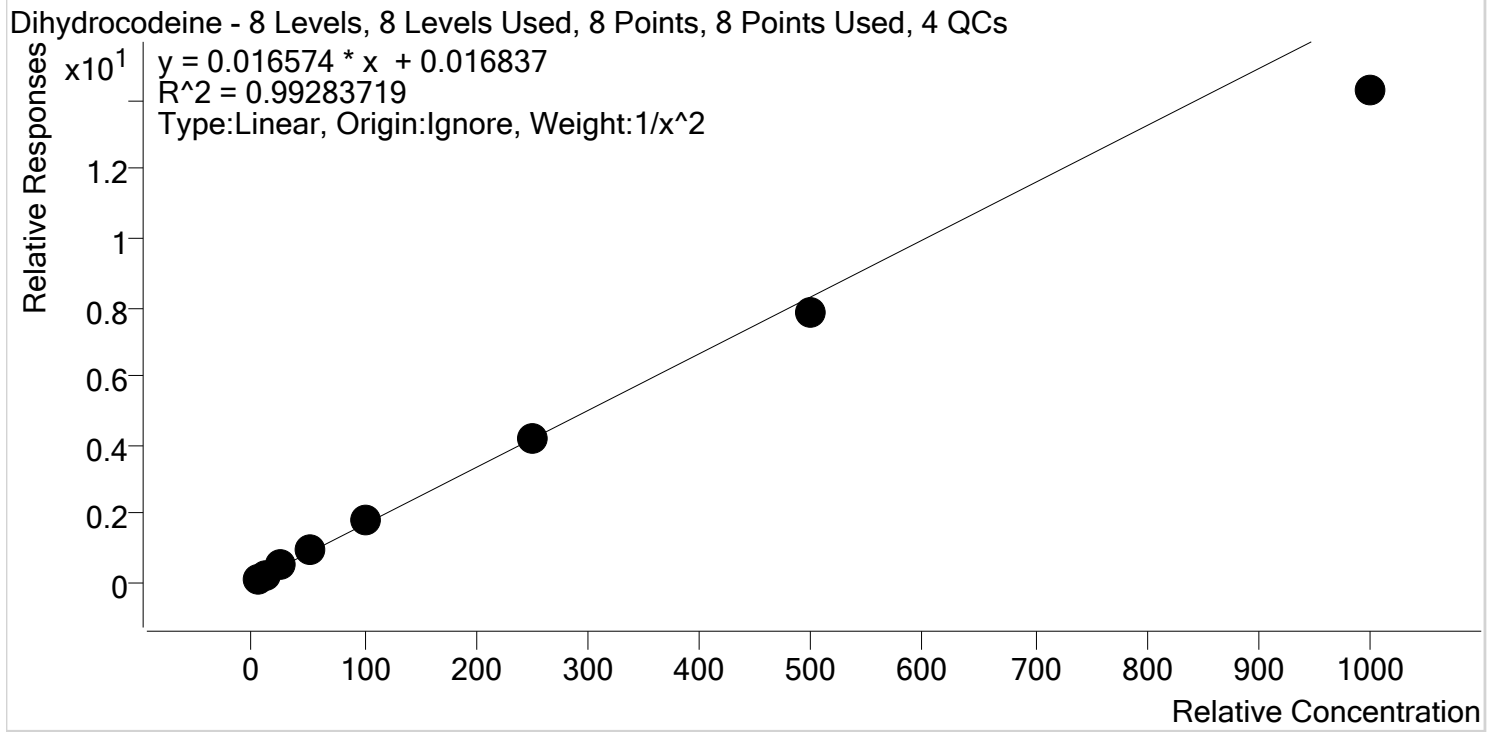


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.3
p1 Cal 2- 10ng	2	✓	10.0	9.7	97.3
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.6
p1 Cal 4-50ng	4	✓	50.0	50.7	101.5
p1 Cal 5-100ng	5	✓	100.0	99.8	99.8
p1 Cal 6-250ng	6	✓	250.0	251.4	100.6
p1 Cal 7-500ng	7	✓	500.0	494.3	98.9
p1 Cal 8-1000ng	8	✓	1000.0	1011.2	101.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 11/25/2019 12:42 PM
Analyst Name ISP\datastor
Analyte Dihydrocodeine **Internal Standard** Dihydrocodeine-D6

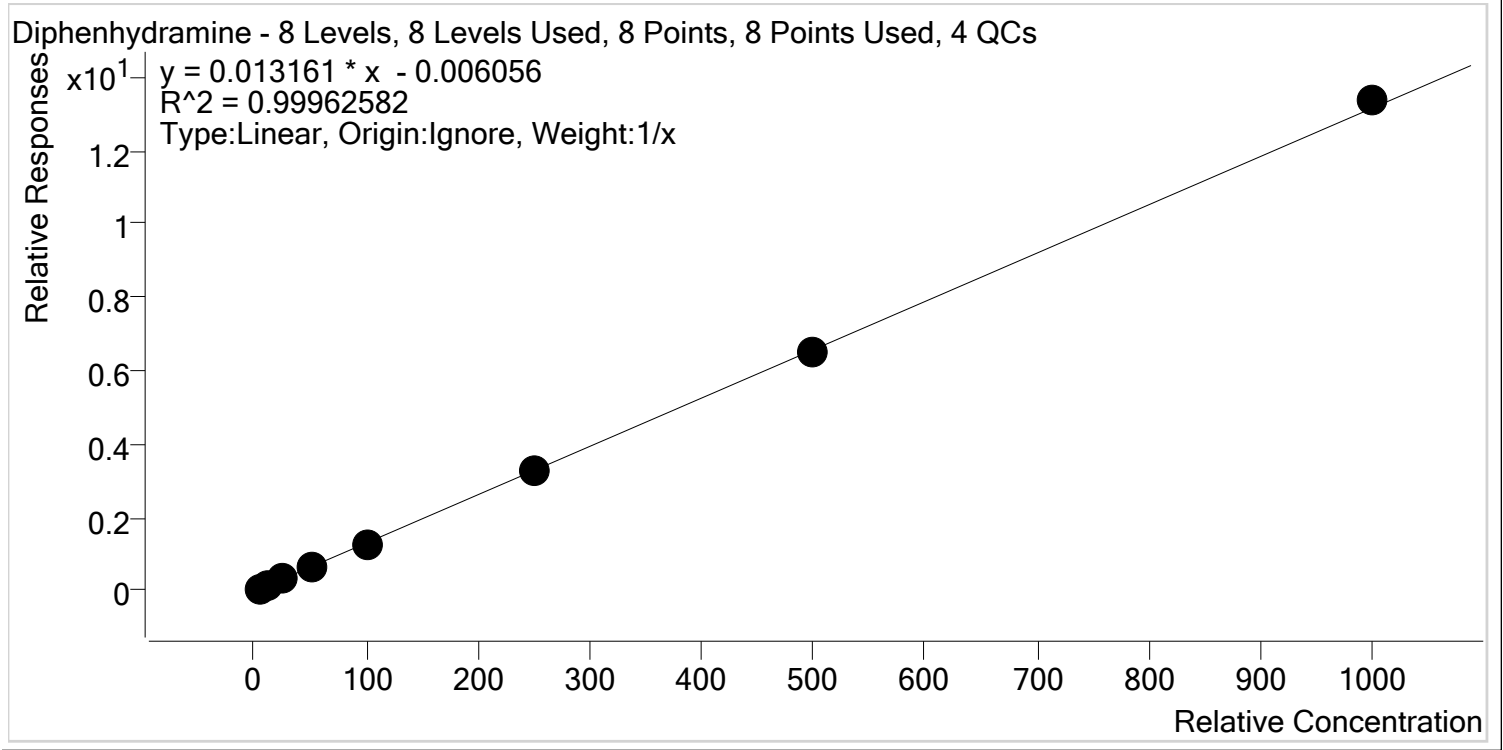


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.9
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.1
p1 Cal 3 -25ng	3	✓	25.0	26.9	107.5
p1 Cal 4-50ng	4	✓	50.0	54.2	108.5
p1 Cal 5-100ng	5	✓	100.0	105.0	105.0
p1 Cal 6-250ng	6	✓	250.0	253.1	101.3
p1 Cal 7-500ng	7	✓	500.0	472.7	94.5
p1 Cal 8-1000ng	8	✓	1000.0	861.7	86.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 11/25/2019 12:42 PM
Analyst Name ISP\datastor
Analyte Diphenhydramine **Internal Standard** Diphenhydramine-D3

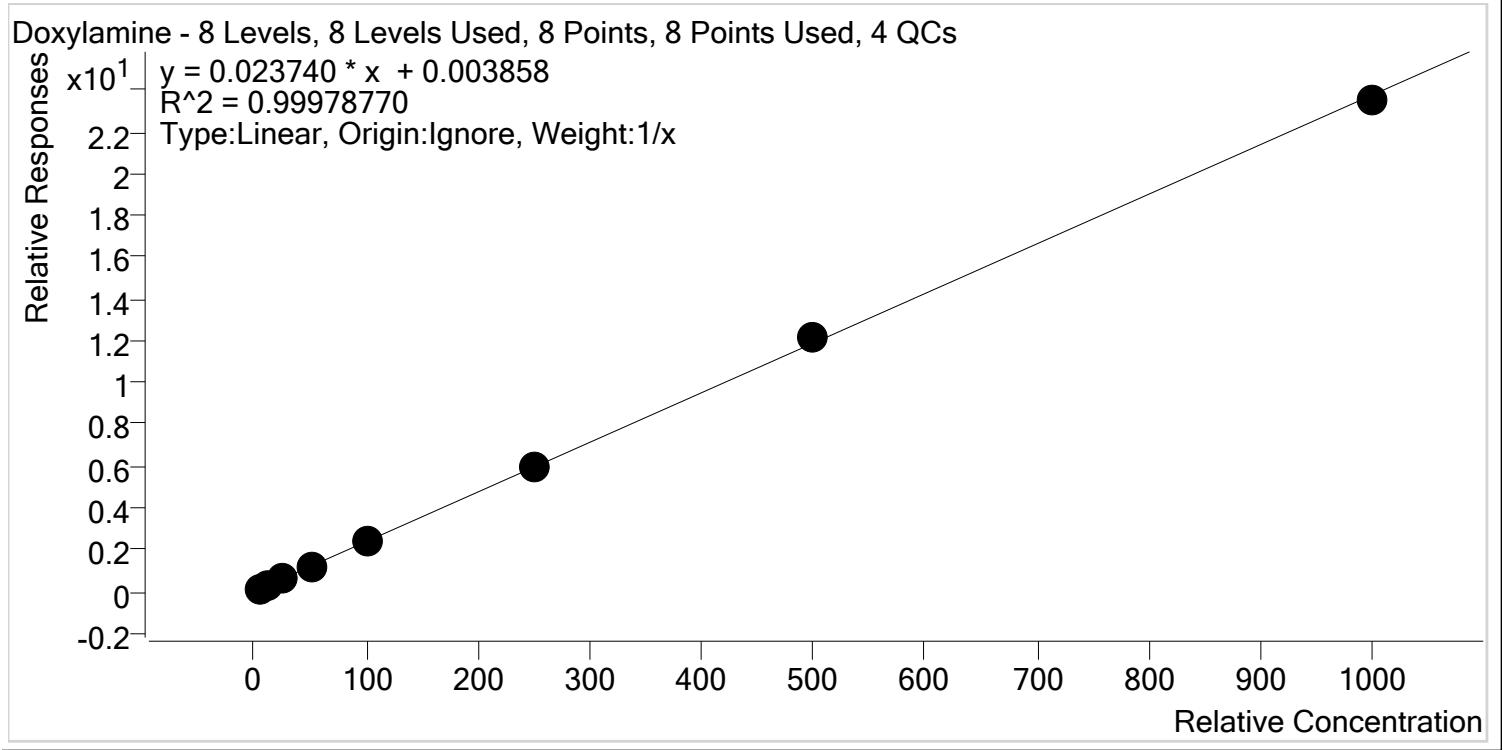


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.5	109.1
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.9
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.2
p1 Cal 4-50ng	4	✓	50.0	48.6	97.3
p1 Cal 5-100ng	5	✓	100.0	95.9	95.9
p1 Cal 6-250ng	6	✓	250.0	245.9	98.4
p1 Cal 7-500ng	7	✓	500.0	493.9	98.8
p1 Cal 8-1000ng	8	✓	1000.0	1015.8	101.6



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 11/25/2019 12:42 PM
Analyst Name ISP\datastor
Analyte Doxylamine **Internal Standard** Doxylamine-D5

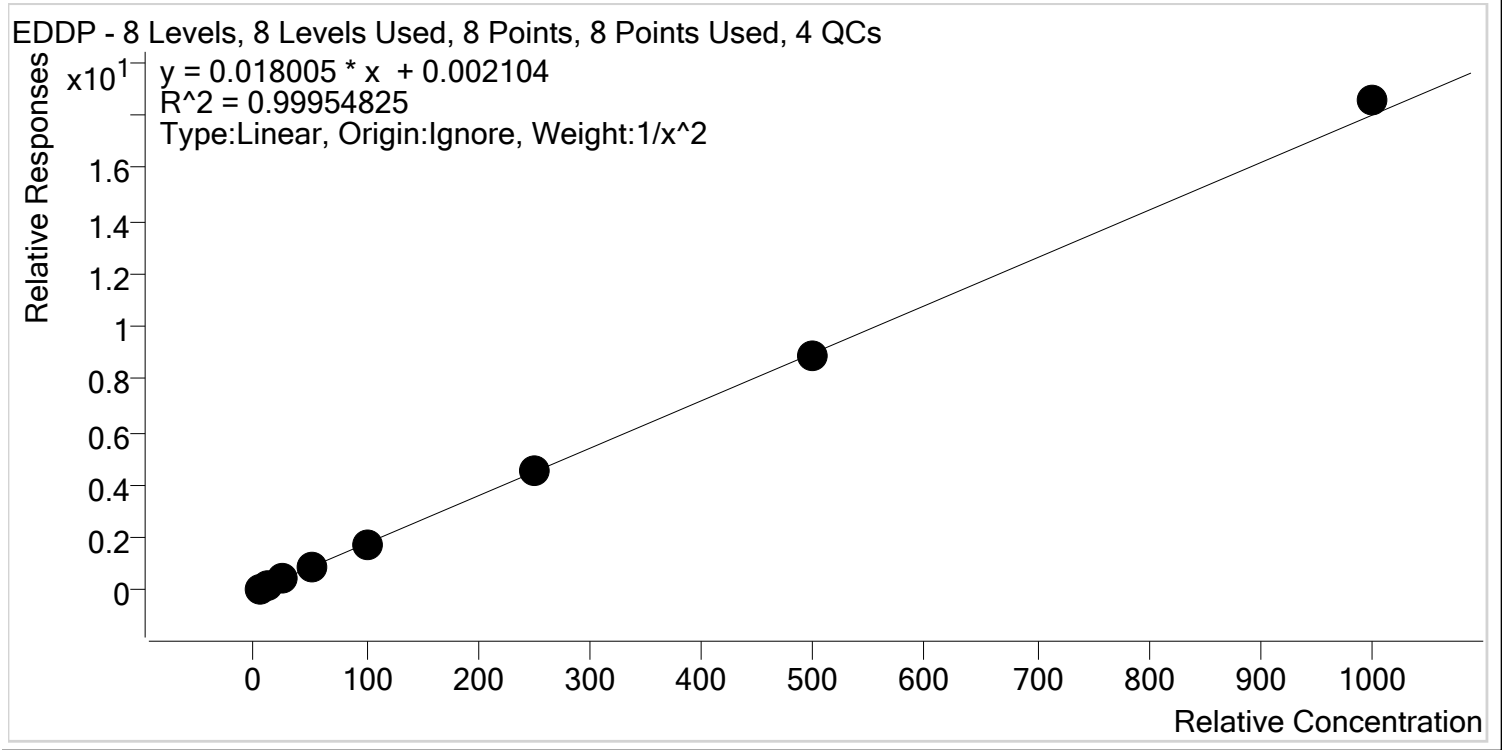


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.8
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.0
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.6
p1 Cal 4-50ng	4	✓	50.0	49.9	99.8
p1 Cal 5-100ng	5	✓	100.0	99.0	99.0
p1 Cal 6-250ng	6	✓	250.0	251.7	100.7
p1 Cal 7-500ng	7	✓	500.0	510.7	102.1
p1 Cal 8-1000ng	8	✓	1000.0	988.8	98.9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 11/25/2019 12:42 PM
Analyst Name ISP\datastor
Analyte EDDP **Internal Standard** EDDP-D3

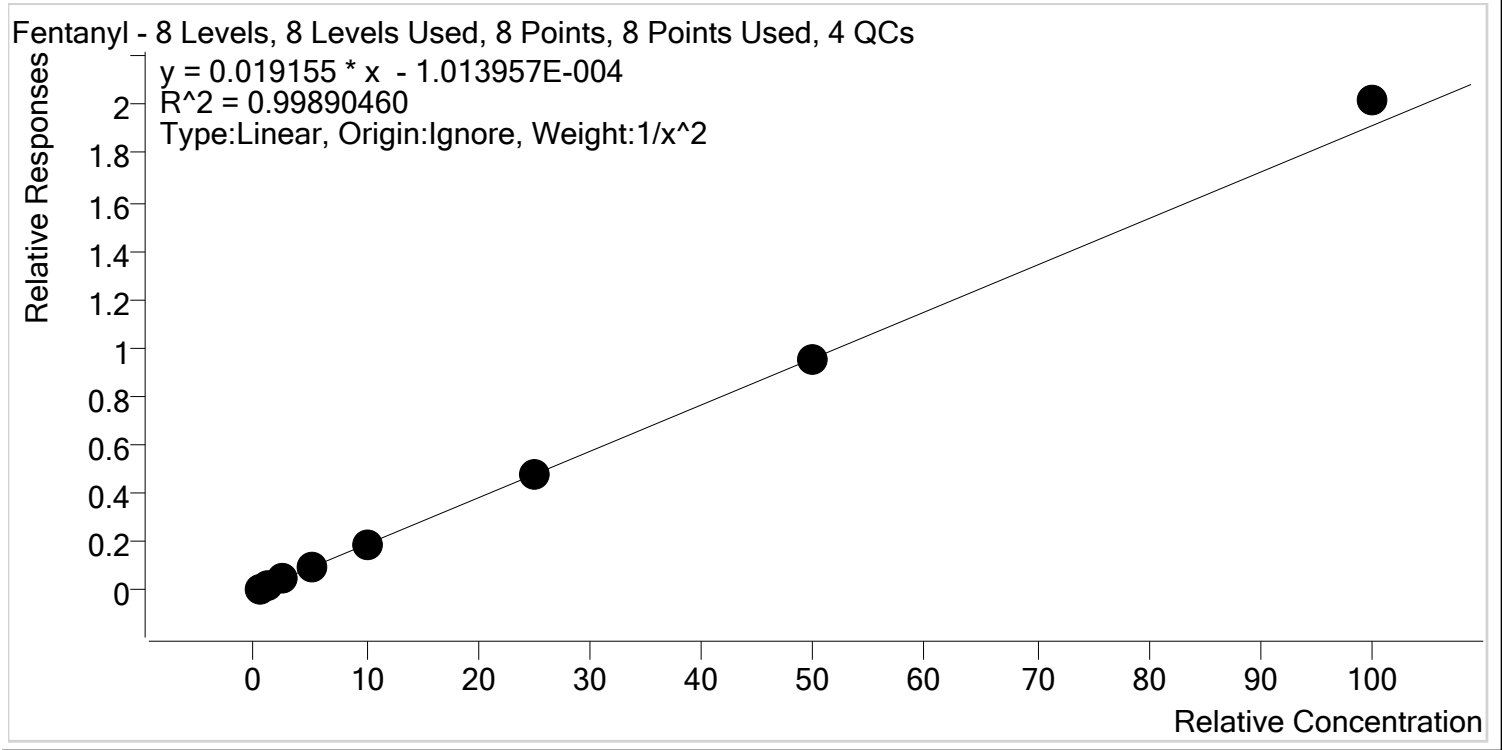


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.5
p1 Cal 2- 10ng	2	✓	10.0	9.8	97.6
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.1
p1 Cal 4-50ng	4	✓	50.0	50.5	100.9
p1 Cal 5-100ng	5	✓	100.0	98.7	98.7
p1 Cal 6-250ng	6	✓	250.0	251.6	100.6
p1 Cal 7-500ng	7	✓	500.0	497.0	99.4
p1 Cal 8-1000ng	8	✓	1000.0	1030.5	103.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 11/25/2019 12:42 PM
Analyst Name ISP\datastor
Analyte Fentanyl **Internal Standard** Fentanyl-D5

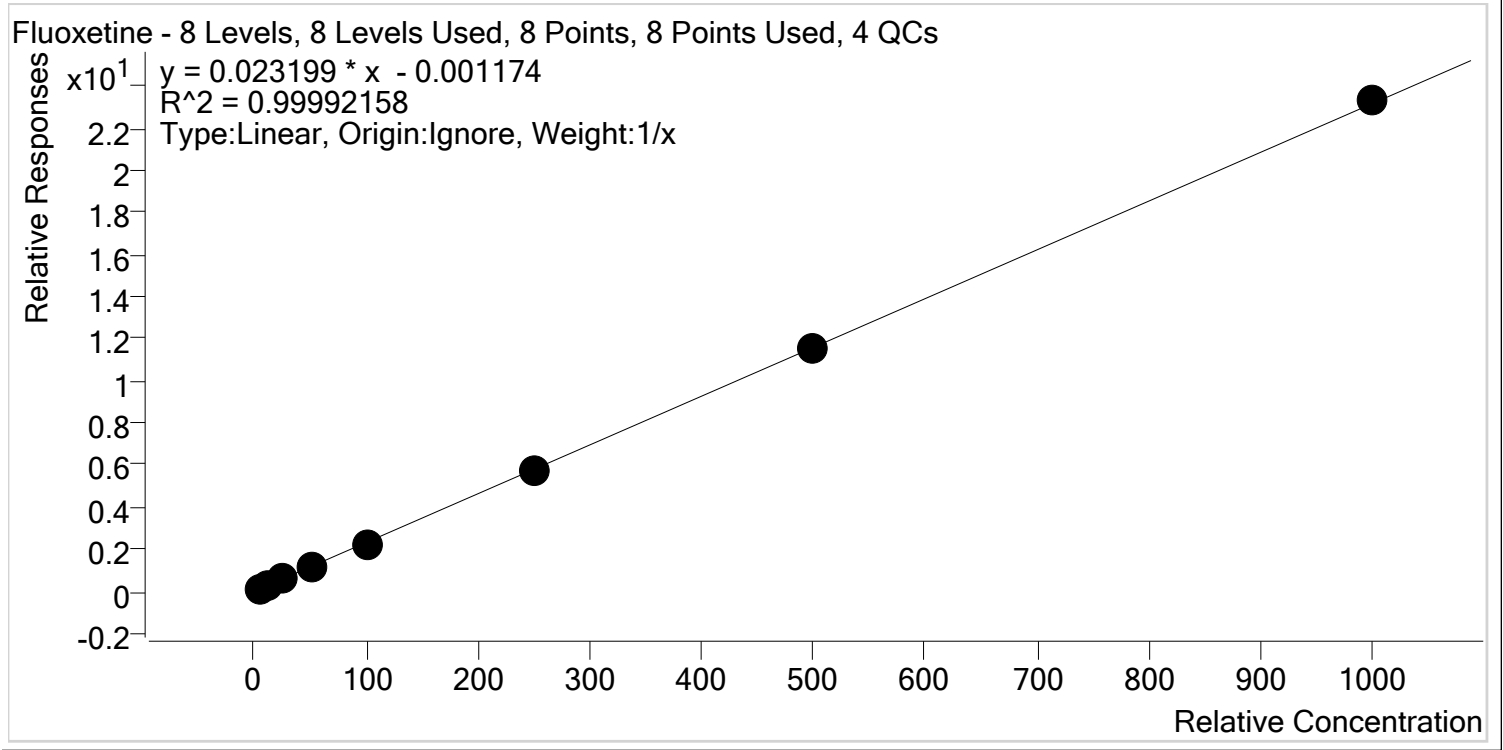


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	99.4
p1 Cal 2- 10ng	2	✓	1.0	1.0	103.0
p1 Cal 3 -25ng	3	✓	2.5	2.4	96.2
p1 Cal 4-50ng	4	✓	5.0	5.0	99.2
p1 Cal 5-100ng	5	✓	10.0	9.8	98.0
p1 Cal 6-250ng	6	✓	25.0	24.8	99.4
p1 Cal 7-500ng	7	✓	50.0	49.7	99.3
p1 Cal 8-1000ng	8	✓	100.0	105.4	105.4



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 11/25/2019 12:42 PM
Analyst Name ISP\datastor
Analyte Fluoxetine **Internal Standard** Fluoxetine-D6

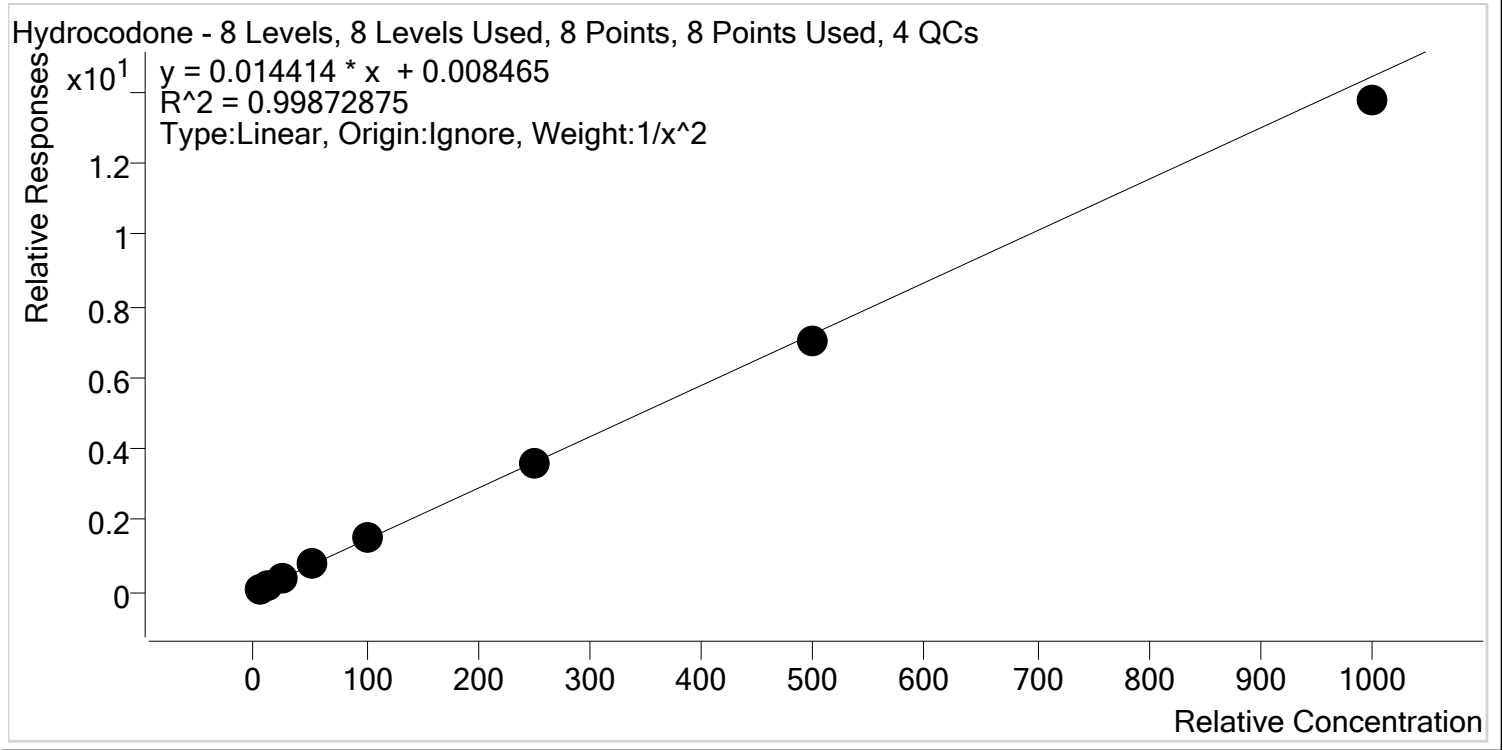


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.8
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.5
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.8
p1 Cal 4-50ng	4	✓	50.0	50.2	100.3
p1 Cal 5-100ng	5	✓	100.0	97.7	97.7
p1 Cal 6-250ng	6	✓	250.0	250.3	100.1
p1 Cal 7-500ng	7	✓	500.0	495.7	99.1
p1 Cal 8-1000ng	8	✓	1000.0	1006.3	100.6



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 11/25/2019 12:42 PM
Analyst Name ISP\datastor
Analyte Hydrocodone **Internal Standard** Hydrocodone-D6

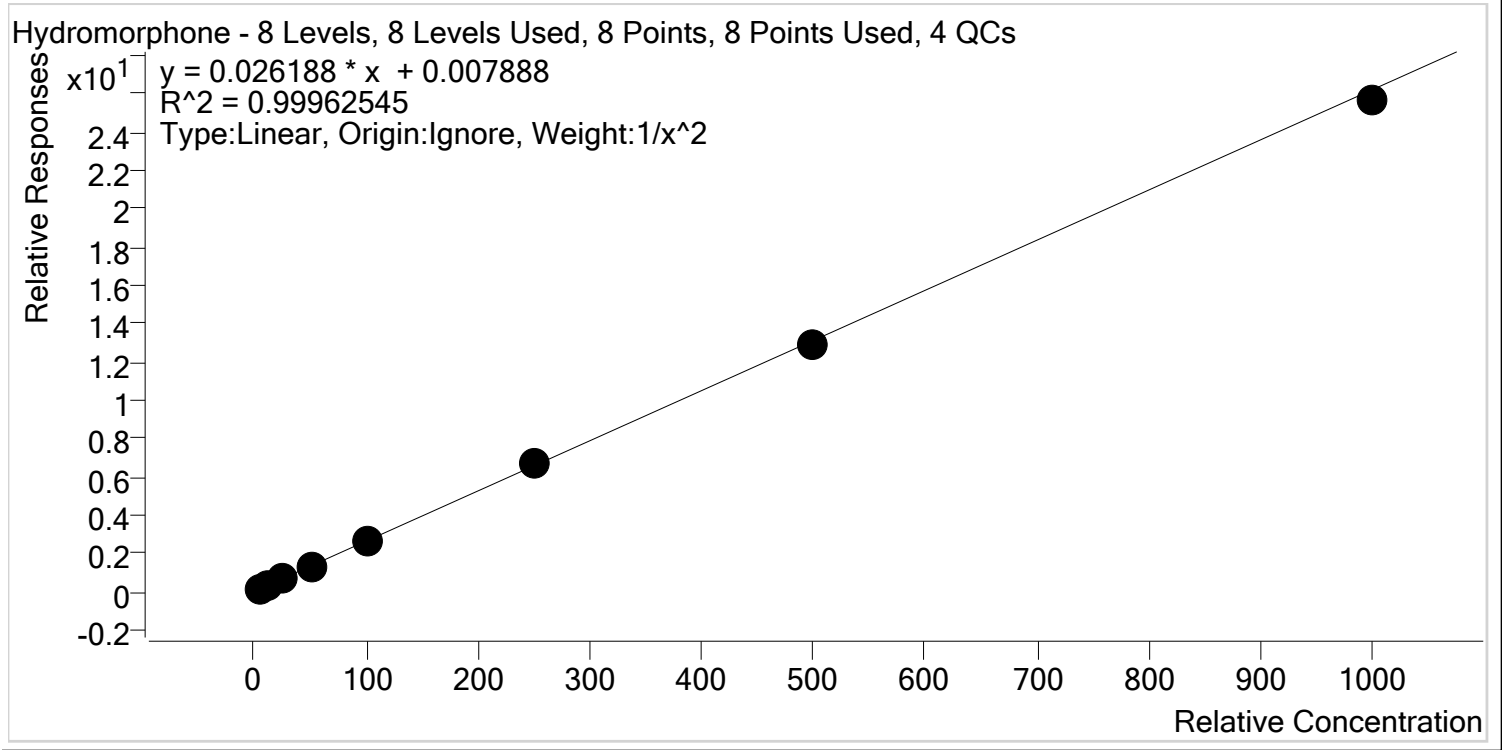


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.7
p1 Cal 2- 10ng	2	✓	10.0	10.3	102.6
p1 Cal 3 -25ng	3	✓	25.0	26.0	104.0
p1 Cal 4-50ng	4	✓	50.0	51.2	102.5
p1 Cal 5-100ng	5	✓	100.0	101.1	101.1
p1 Cal 6-250ng	6	✓	250.0	249.8	99.9
p1 Cal 7-500ng	7	✓	500.0	484.7	96.9
p1 Cal 8-1000ng	8	✓	1000.0	953.2	95.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 11/25/2019 12:42 PM
Analyst Name ISP\datastor
Analyte Hydromorphone **Internal Standard** Hydromorphone-D6

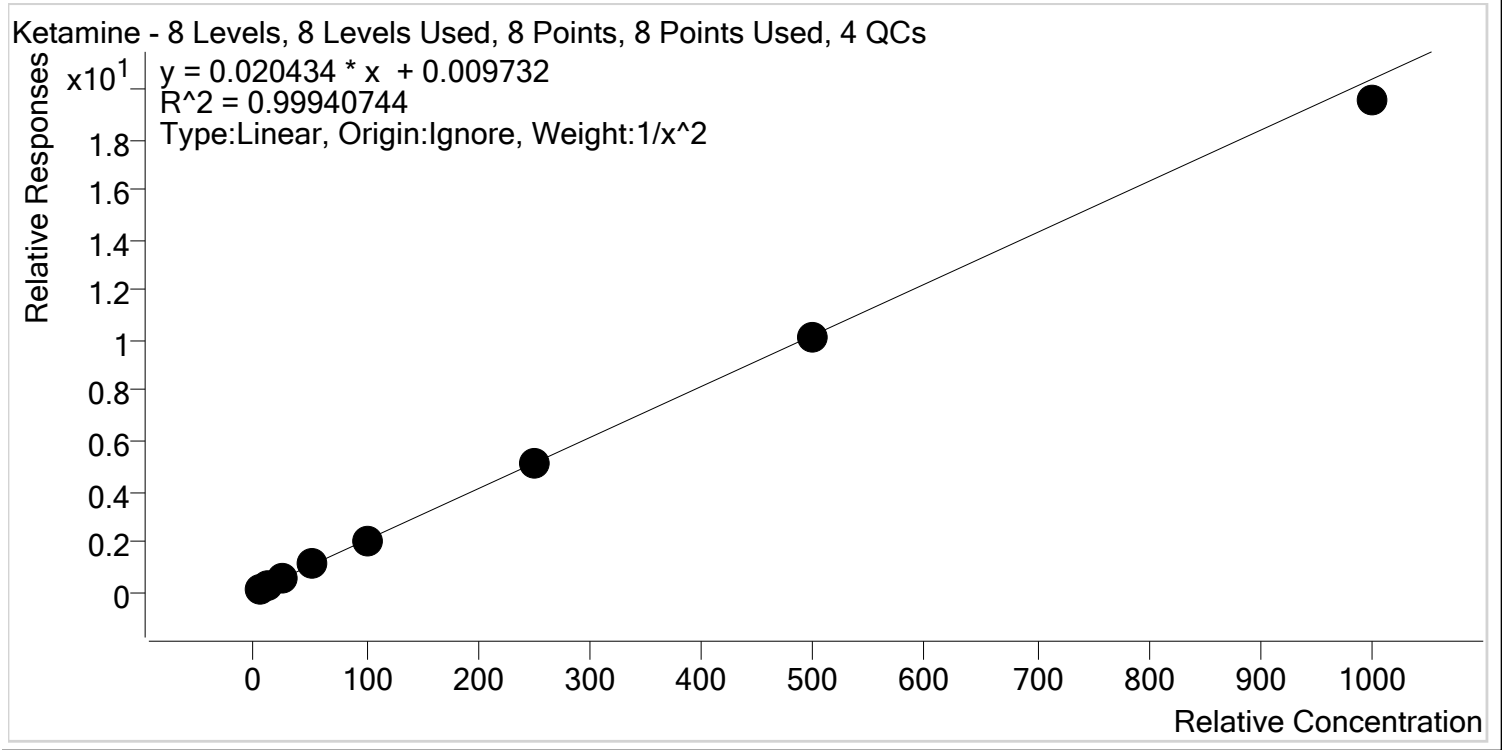


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.1
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.4
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.4
p1 Cal 4-50ng	4	✓	50.0	50.3	100.5
p1 Cal 5-100ng	5	✓	100.0	101.1	101.1
p1 Cal 6-250ng	6	✓	250.0	257.1	102.8
p1 Cal 7-500ng	7	✓	500.0	488.9	97.8
p1 Cal 8-1000ng	8	✓	1000.0	978.5	97.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 11/25/2019 12:42 PM
Analyst Name ISP\datastor
Analyte Ketamine **Internal Standard** Ketamine-D4



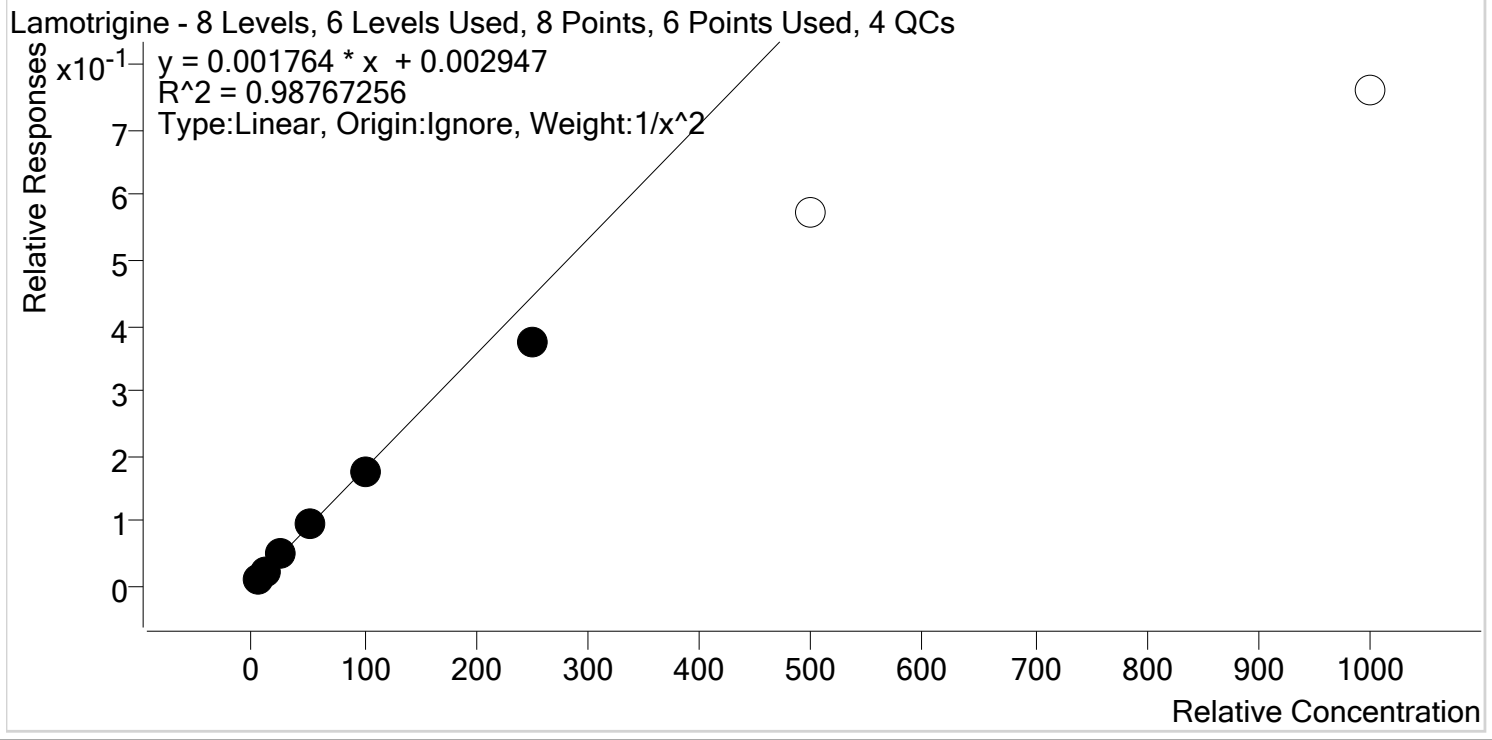
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.5
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.6
p1 Cal 3 -25ng	3	✓	25.0	25.5	101.9
p1 Cal 4-50ng	4	✓	50.0	51.4	102.7
p1 Cal 5-100ng	5	✓	100.0	100.7	100.7
p1 Cal 6-250ng	6	✓	250.0	251.9	100.8
p1 Cal 7-500ng	7	✓	500.0	494.8	99.0
p1 Cal 8-1000ng	8	✓	1000.0	957.9	95.8

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 11/25/2019 12:42 PM
Analyst Name ISP\datastor
Analyte Lamotrigine **Internal Standard** Ketamine-D4

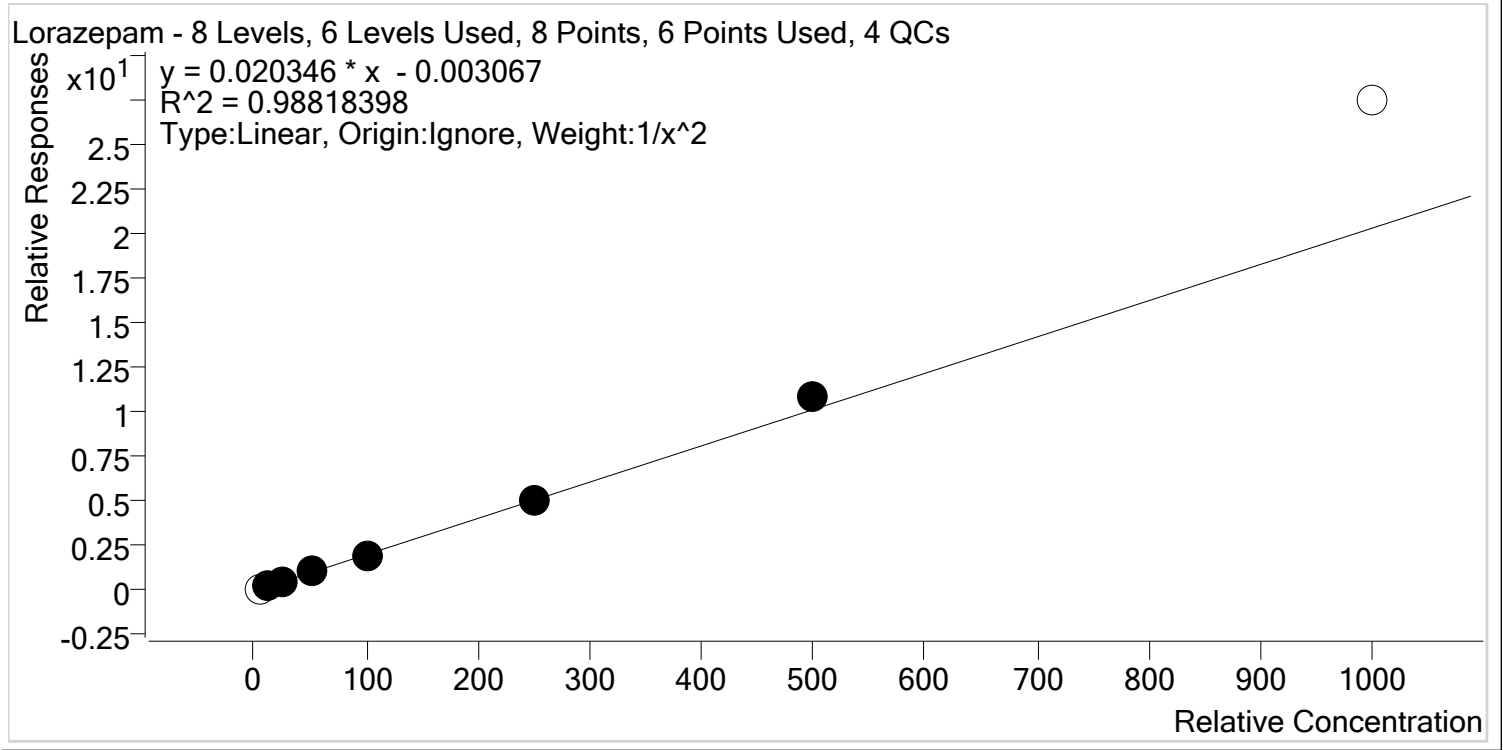


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.1
p1 Cal 2- 10ng	2	✓	10.0	10.3	103.3
p1 Cal 3 -25ng	3	✓	25.0	27.4	109.5
p1 Cal 4-50ng	4	✓	50.0	53.8	107.5
p1 Cal 5-100ng	5	✓	100.0	99.1	99.1
p1 Cal 6-250ng	6	✓	250.0	211.3	84.5
p1 Cal 7-500ng	7	x	500.0	322.4	64.5
p1 Cal 8-1000ng	8	x	1000.0	429.4	42.9



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 11/25/2019 12:42 PM
Analyst Name ISP\datastor
Analyte Lorazepam **Internal Standard** Clonazepam-D4

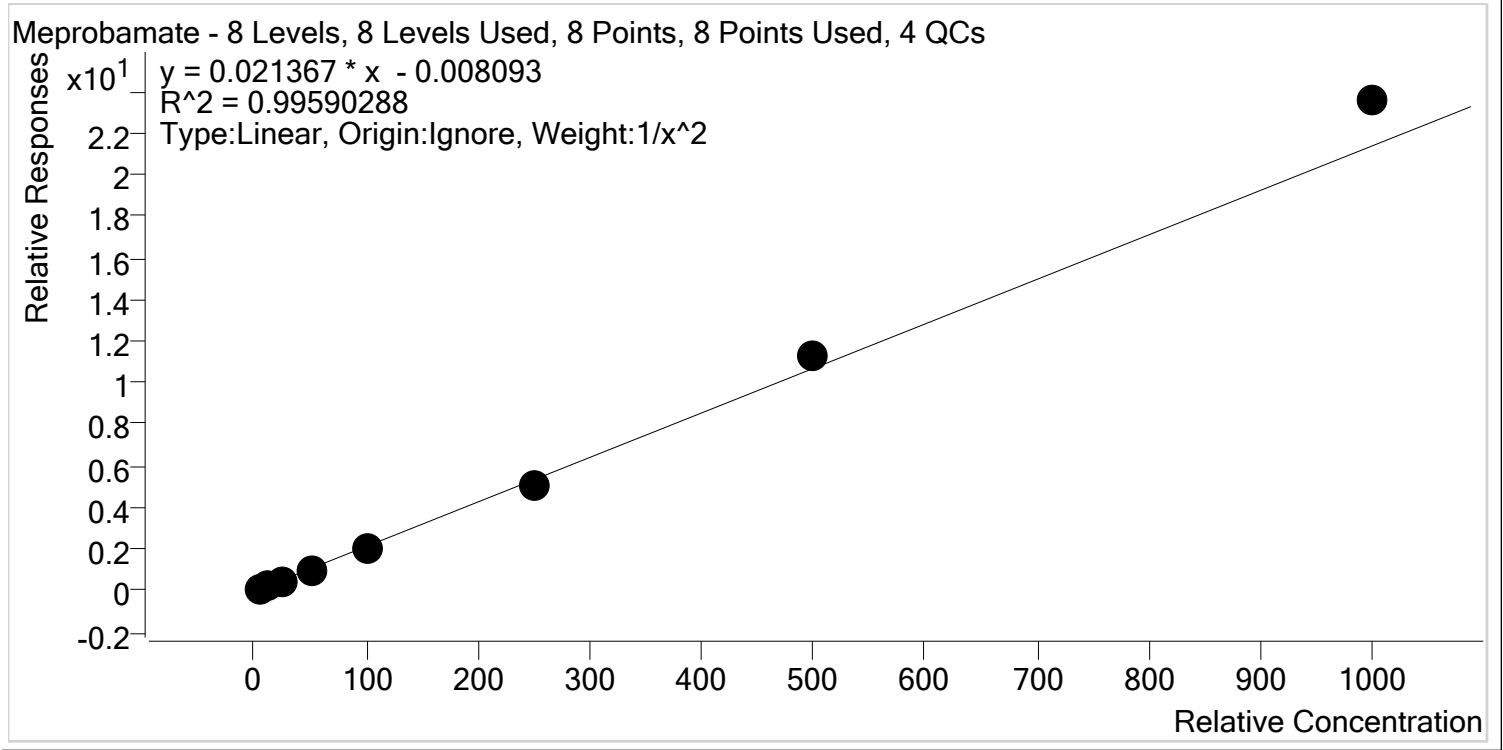


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	x	5.0	6.2	124.4
p1 Cal 2- 10ng	2	✓	10.0	10.6	105.5
p1 Cal 3 -25ng	3	✓	25.0	20.8	83.2
p1 Cal 4-50ng	4	✓	50.0	52.9	105.8
p1 Cal 5-100ng	5	✓	100.0	99.6	99.6
p1 Cal 6-250ng	6	✓	250.0	245.3	98.1
p1 Cal 7-500ng	7	✓	500.0	539.0	107.8
p1 Cal 8-1000ng	8	x	1000.0	1351.6	135.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 11/25/2019 12:42 PM
Analyst Name ISP\datastor
Analyte Meprobamate **Internal Standard** Meprobamate-D7



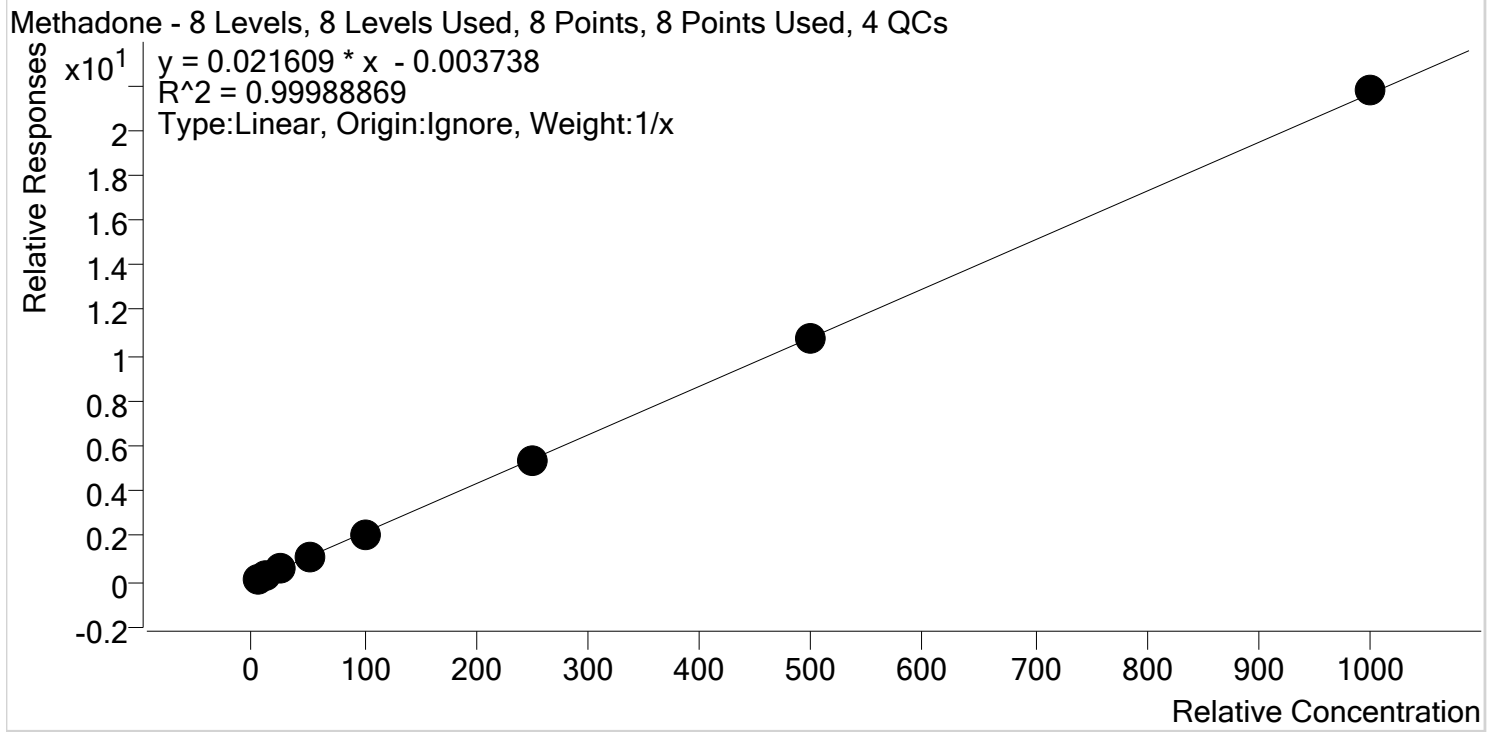
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.0
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.5
p1 Cal 3 -25ng	3	✓	25.0	23.5	94.0
p1 Cal 4-50ng	4	✓	50.0	48.5	97.0
p1 Cal 5-100ng	5	✓	100.0	95.4	95.4
p1 Cal 6-250ng	6	✓	250.0	241.1	96.4
p1 Cal 7-500ng	7	✓	500.0	527.6	105.5
p1 Cal 8-1000ng	8	✓	1000.0	1101.8	110.2

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 11/25/2019 12:42 PM
Analyst Name ISP\datastor
Analyte Methadone **Internal Standard** Methadone-D9

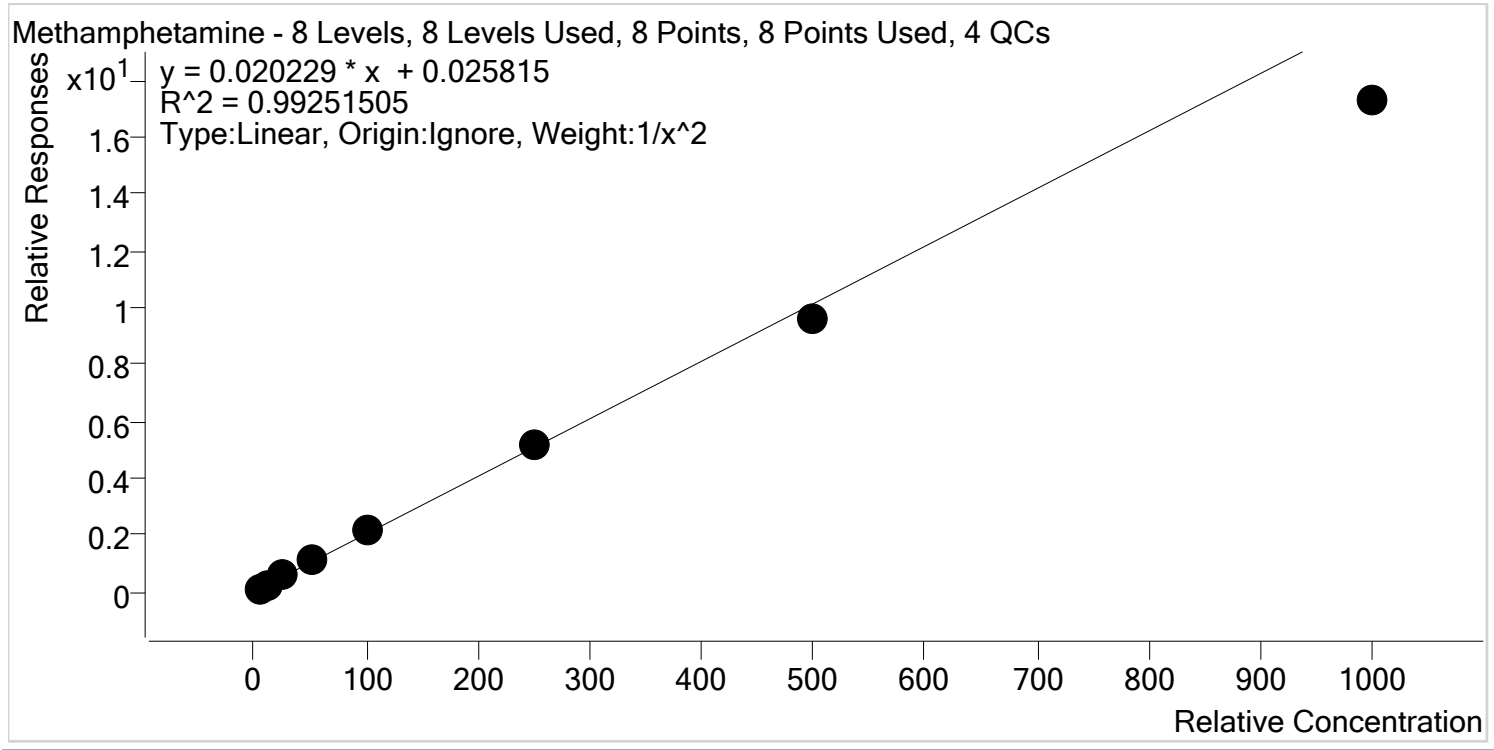


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	105.6
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.4
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.7
p1 Cal 4-50ng	4	✓	50.0	50.2	100.4
p1 Cal 5-100ng	5	✓	100.0	98.1	98.1
p1 Cal 6-250ng	6	✓	250.0	245.3	98.1
p1 Cal 7-500ng	7	✓	500.0	500.2	100.0
p1 Cal 8-1000ng	8	✓	1000.0	1006.5	100.7



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 11/25/2019 12:42 PM
Analyst Name ISP\datastor
Analyte Methamphetamine **Internal Standard** Methamphetamine-D11



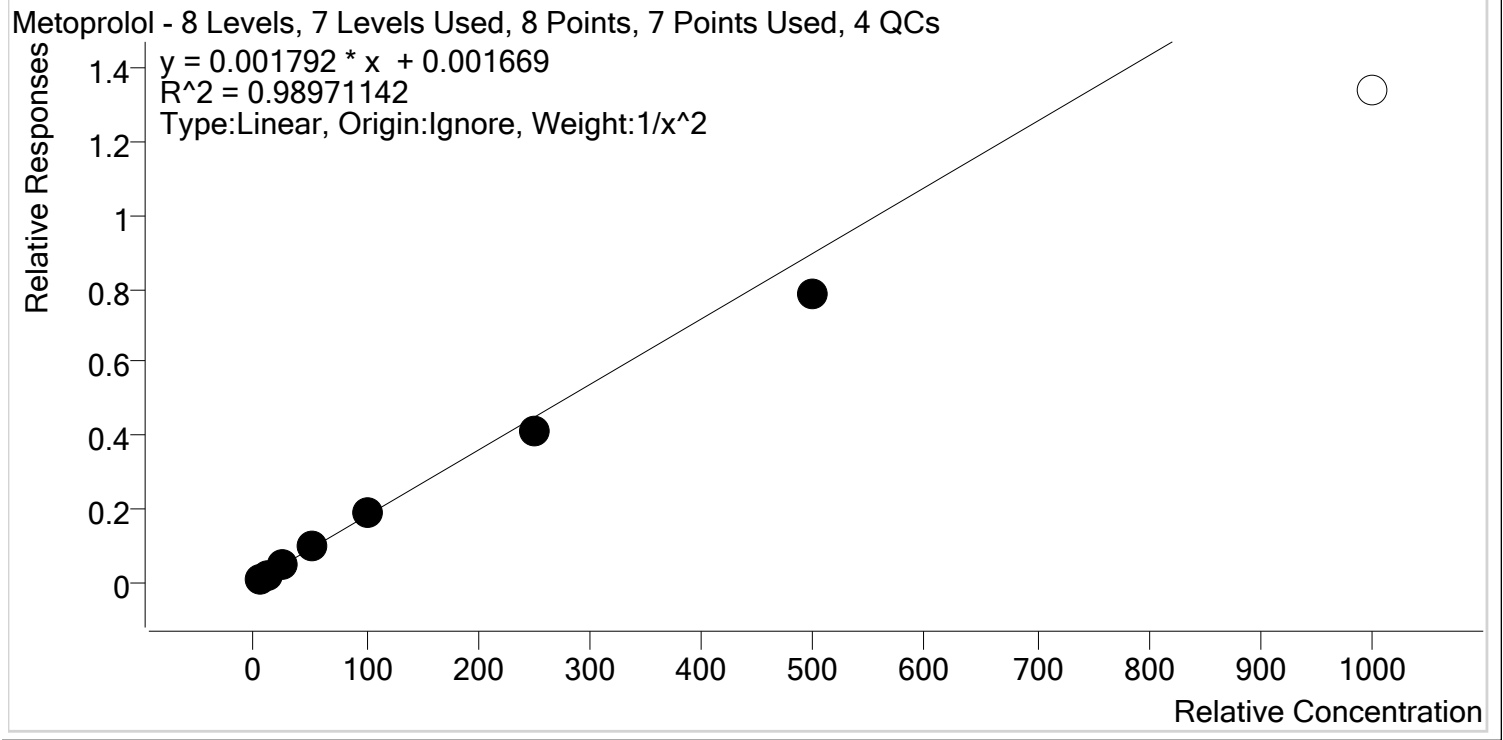
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.9
p1 Cal 2- 10ng	2	✓	10.0	10.4	104.1
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.6
p1 Cal 4-50ng	4	✓	50.0	53.9	107.7
p1 Cal 5-100ng	5	✓	100.0	105.1	105.1
p1 Cal 6-250ng	6	✓	250.0	254.0	101.6
p1 Cal 7-500ng	7	✓	500.0	473.3	94.7
p1 Cal 8-1000ng	8	✓	1000.0	853.0	85.3

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 11/25/2019 12:42 PM
Analyst Name ISP\datastor
Analyte Metoprolol **Internal Standard** Tramadol-13C-D3

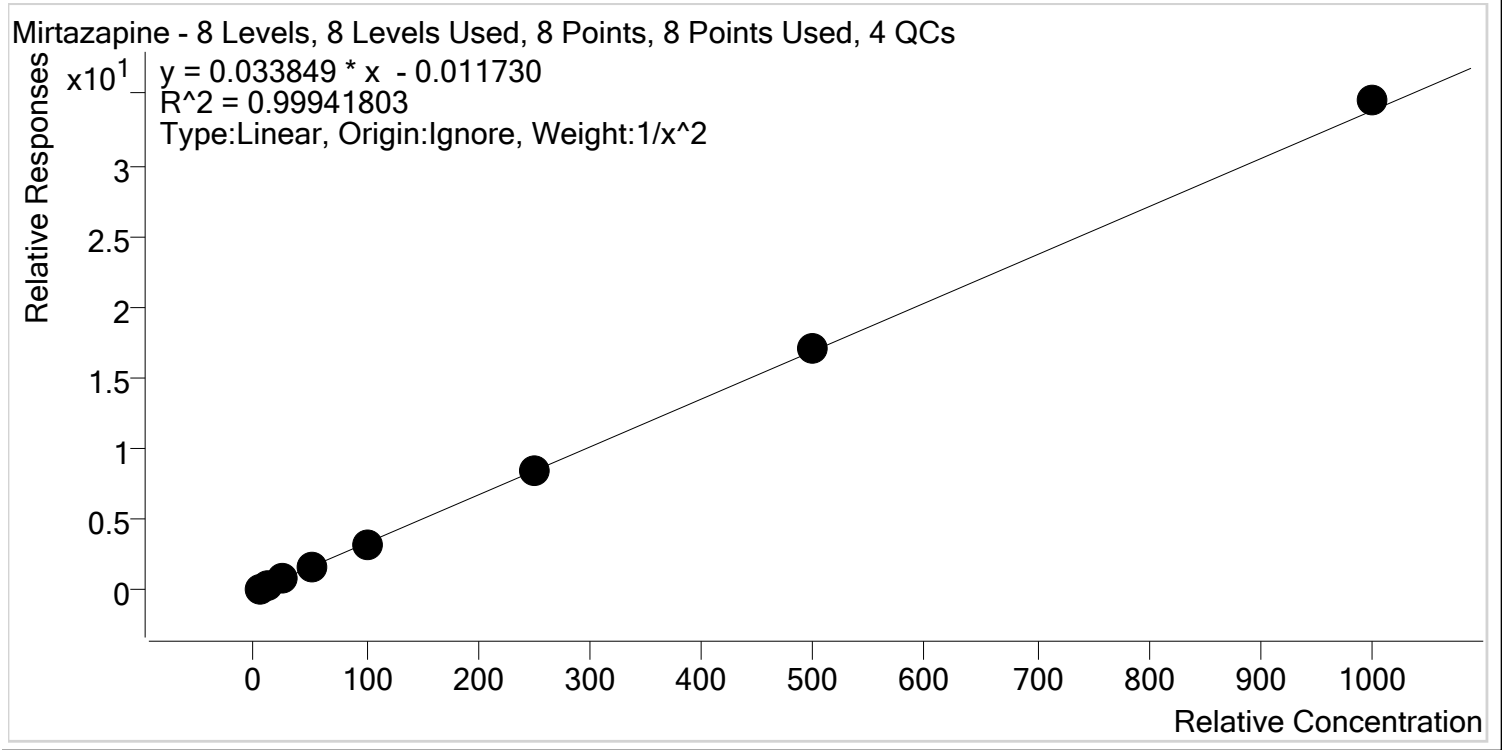


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.8
p1 Cal 2- 10ng	2	✓	10.0	10.6	105.7
p1 Cal 3 -25ng	3	✓	25.0	26.9	107.8
p1 Cal 4-50ng	4	✓	50.0	54.8	109.7
p1 Cal 5-100ng	5	✓	100.0	102.7	102.7
p1 Cal 6-250ng	6	✓	250.0	231.0	92.4
p1 Cal 7-500ng	7	✓	500.0	435.2	87.0
p1 Cal 8-1000ng	8	✗	1000.0	747.1	74.7



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 11/25/2019 12:42 PM
Analyst Name ISP\datastor
Analyte Mirtazapine **Internal Standard** alpha-PVP-d8

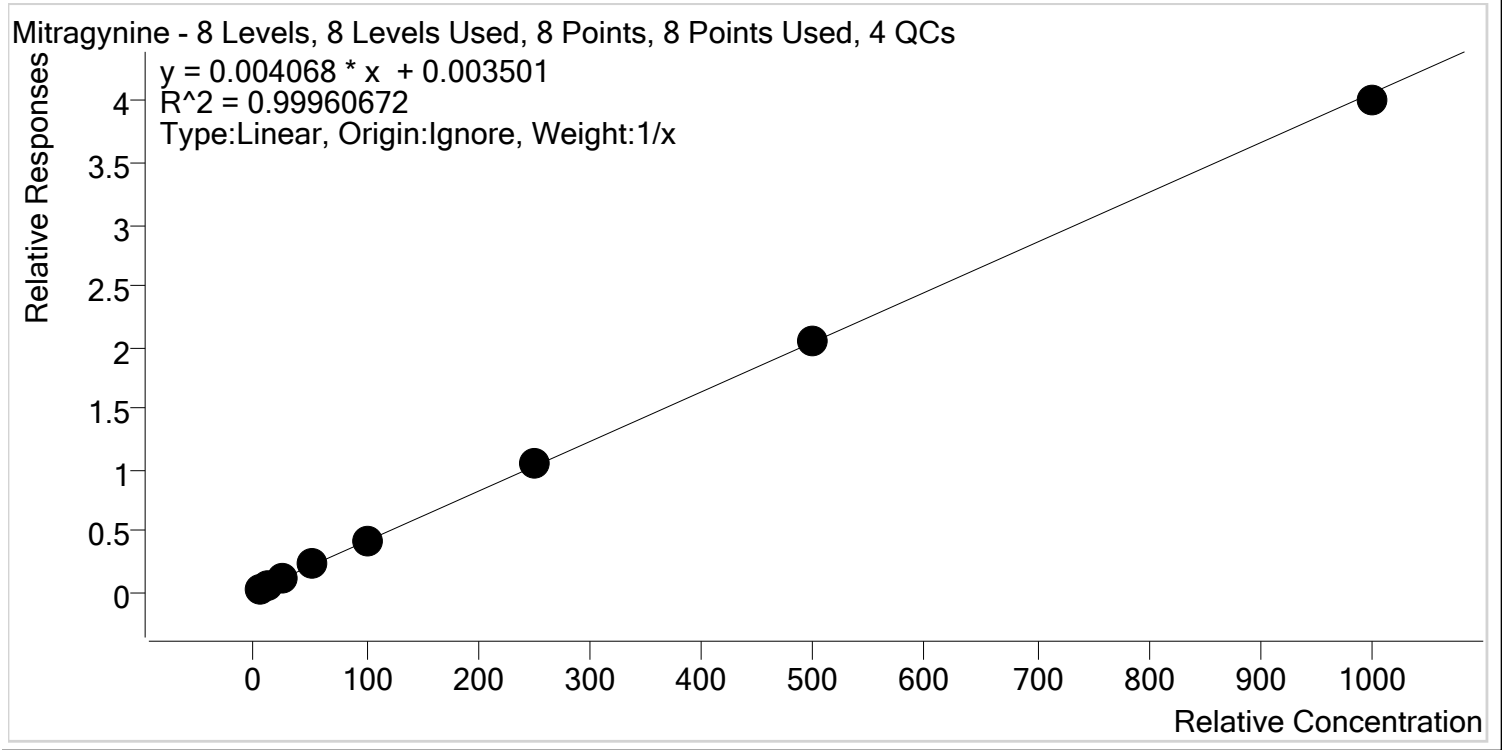


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.0
p1 Cal 2- 10ng	2	✓	10.0	9.7	96.8
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.6
p1 Cal 4-50ng	4	✓	50.0	49.2	98.3
p1 Cal 5-100ng	5	✓	100.0	98.8	98.8
p1 Cal 6-250ng	6	✓	250.0	253.8	101.5
p1 Cal 7-500ng	7	✓	500.0	509.1	101.8
p1 Cal 8-1000ng	8	✓	1000.0	1021.1	102.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 11/25/2019 12:42 PM
Analyst Name ISP\datastor
Analyte Mitragynine **Internal Standard** Methadone-D9

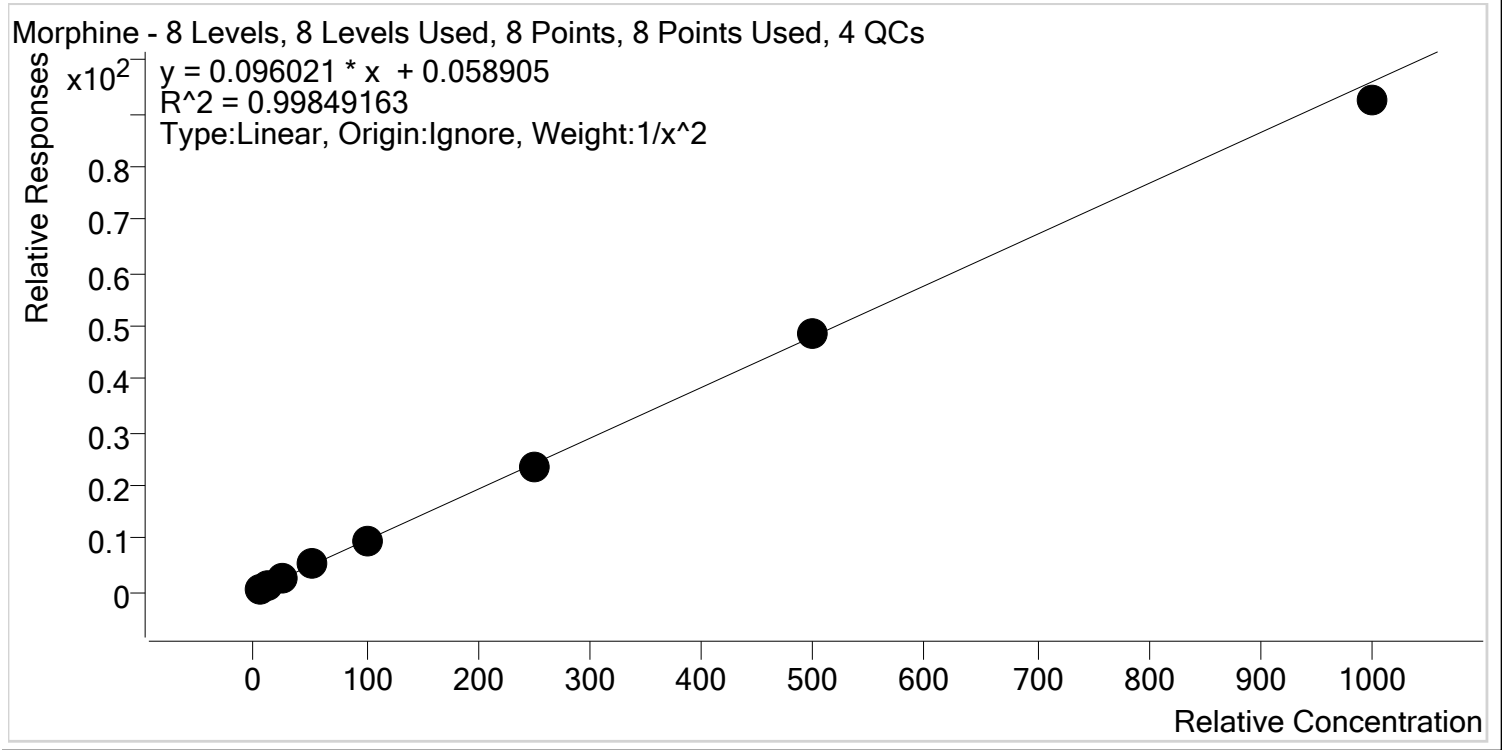


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.6	92.7
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.2
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.5
p1 Cal 4-50ng	4	✓	50.0	52.8	105.5
p1 Cal 5-100ng	5	✓	100.0	100.6	100.6
p1 Cal 6-250ng	6	✓	250.0	257.6	103.0
p1 Cal 7-500ng	7	✓	500.0	505.0	101.0
p1 Cal 8-1000ng	8	✓	1000.0	984.7	98.5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 11/25/2019 12:42 PM
Analyst Name ISP\datastor
Analyte Morphine **Internal Standard** Morphine-D6

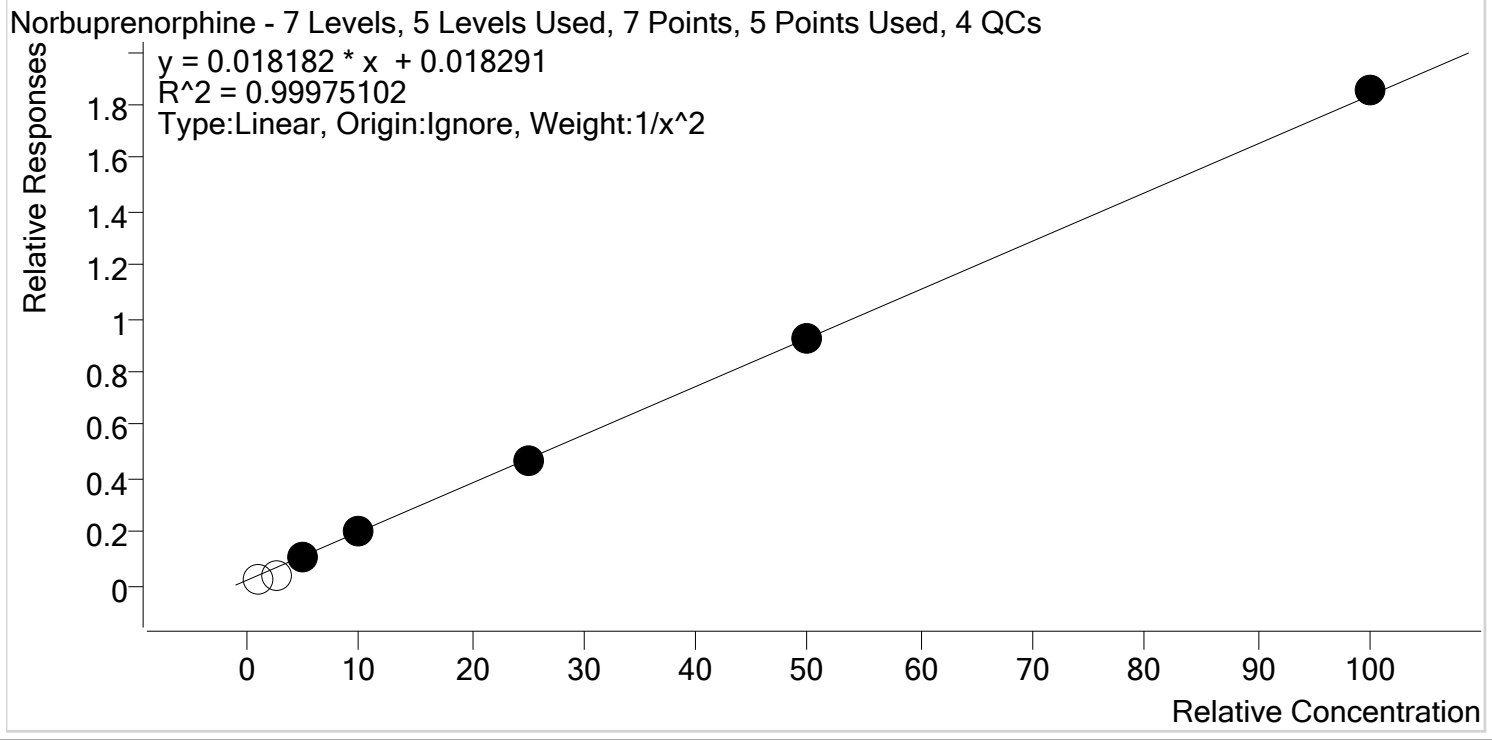


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.1
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.1
p1 Cal 3 -25ng	3	✓	25.0	26.6	106.3
p1 Cal 4-50ng	4	✓	50.0	51.3	102.6
p1 Cal 5-100ng	5	✓	100.0	97.1	97.1
p1 Cal 6-250ng	6	✓	250.0	244.1	97.6
p1 Cal 7-500ng	7	✓	500.0	503.9	100.8
p1 Cal 8-1000ng	8	✓	1000.0	962.9	96.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 11/25/2019 12:42 PM
Analyst Name ISP\datastor
Analyte Norbuprenorphine **Internal Standard** Norbuprenorphine-D3



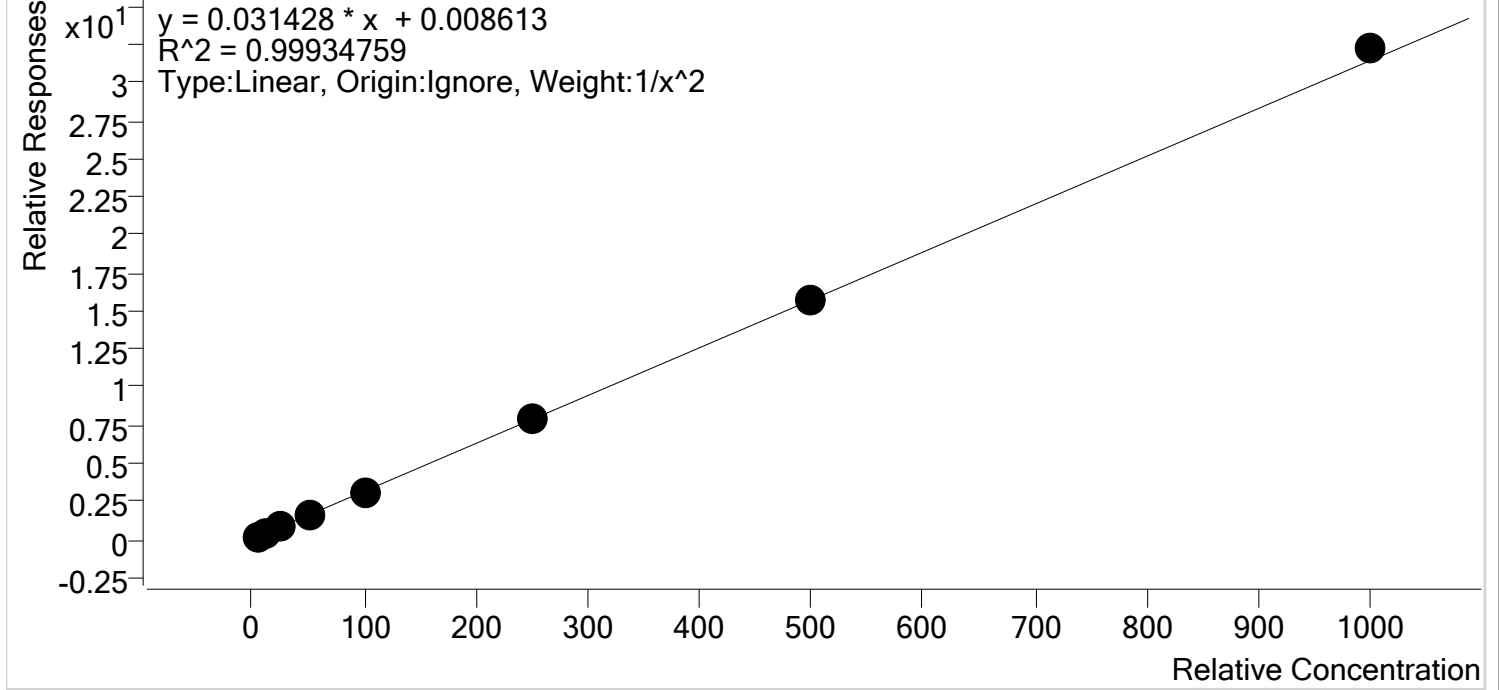
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 2- 10ng	2	x	1.0	0.3	31.9
p1 Cal 3 -25ng	3	x	2.5	1.2	47.0
p1 Cal 4-50ng	4	✓	5.0	5.0	100.9
p1 Cal 5-100ng	5	✓	10.0	9.8	98.0
p1 Cal 6-250ng	6	✓	25.0	25.0	100.0
p1 Cal 7-500ng	7	✓	50.0	50.0	100.0
p1 Cal 8-1000ng	8	✓	100.0	101.0	101.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 11/25/2019 12:42 PM
Analyst Name ISP\datastor
Analyte Nordiazepam **Internal Standard** Nordiazepam-D5

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

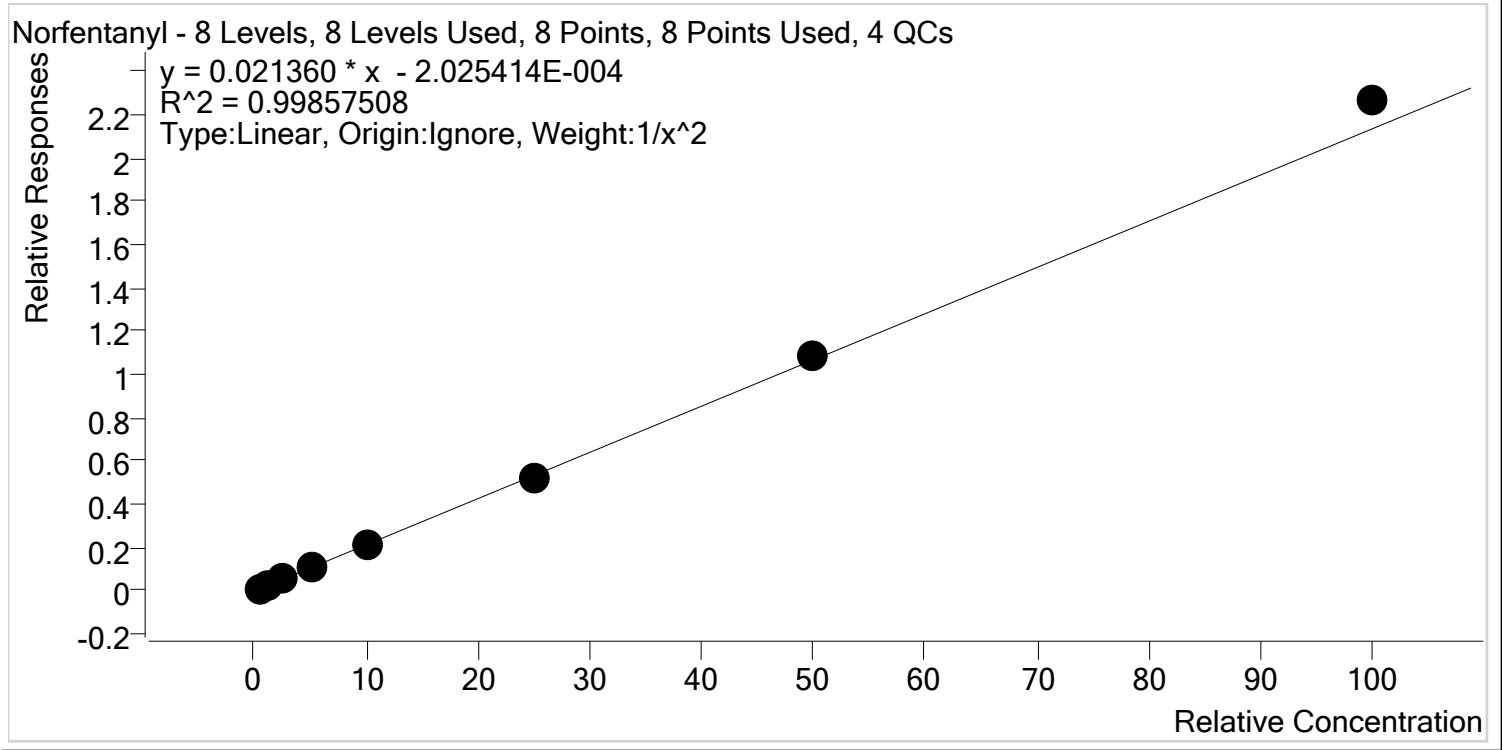


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.3
p1 Cal 2- 10ng	2	✓	10.0	9.8	97.8
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.2
p1 Cal 4-50ng	4	✓	50.0	51.4	102.7
p1 Cal 5-100ng	5	✓	100.0	96.8	96.8
p1 Cal 6-250ng	6	✓	250.0	250.8	100.3
p1 Cal 7-500ng	7	✓	500.0	501.9	100.4
p1 Cal 8-1000ng	8	✓	1000.0	1025.2	102.5



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 11/25/2019 12:42 PM
Analyst Name ISP\datastor
Analyte Norfentanyl Internal Standard Norfentanyl-D5

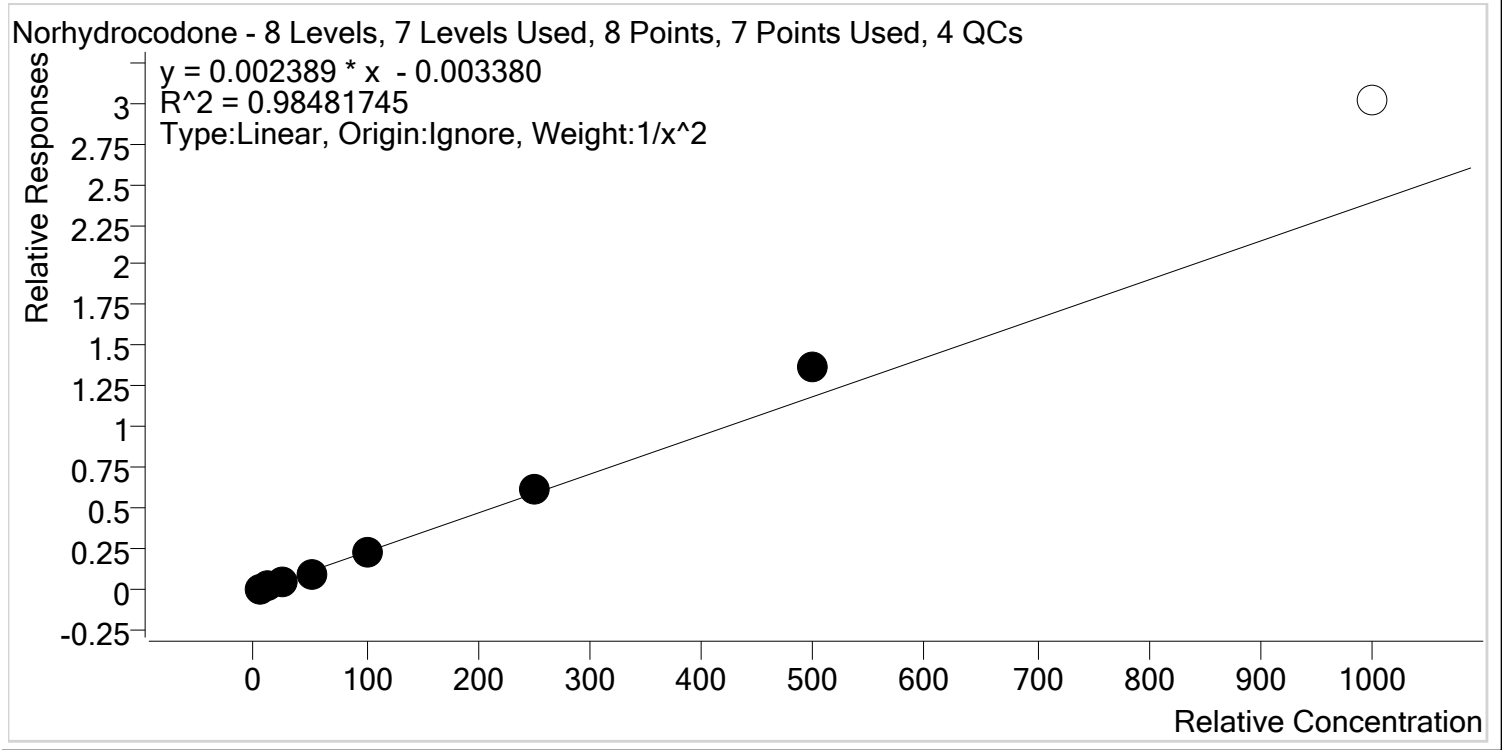


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	101.0
p1 Cal 2- 10ng	2	✓	1.0	1.0	100.4
p1 Cal 3 -25ng	3	✓	2.5	2.4	95.4
p1 Cal 4-50ng	4	✓	5.0	4.9	98.6
p1 Cal 5-100ng	5	✓	10.0	9.7	97.2
p1 Cal 6-250ng	6	✓	25.0	24.8	99.1
p1 Cal 7-500ng	7	✓	50.0	51.1	102.2
p1 Cal 8-1000ng	8	✓	100.0	106.1	106.1



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 11/25/2019 12:42 PM
Analyst Name ISP\datastor
Analyte Norhydrocodone **Internal Standard** Norhydrocodone-D3

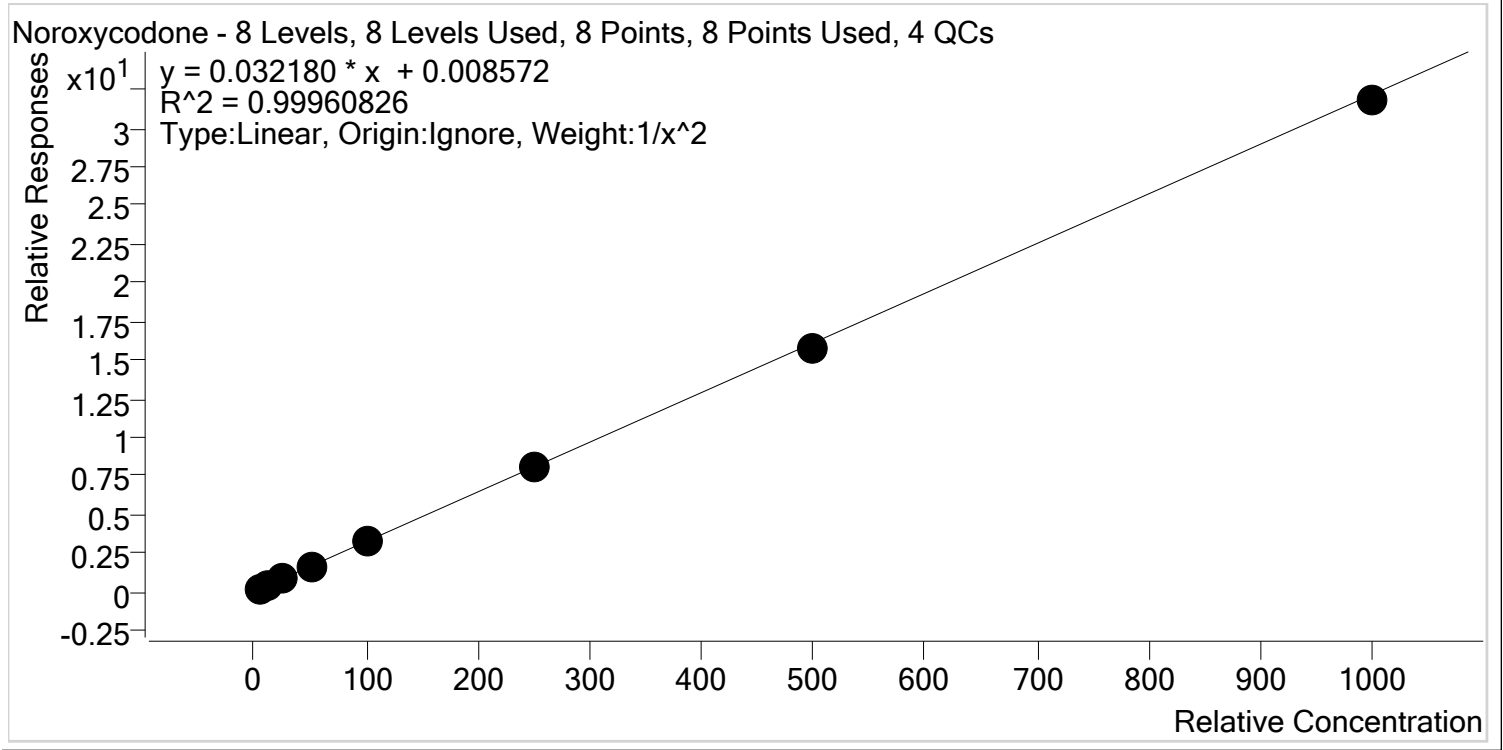


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	107.0
p1 Cal 2- 10ng	2	✓	10.0	9.2	92.2
p1 Cal 3 -25ng	3	✓	25.0	22.1	88.4
p1 Cal 4-50ng	4	✓	50.0	44.5	89.0
p1 Cal 5-100ng	5	✓	100.0	101.1	101.1
p1 Cal 6-250ng	6	✓	250.0	266.1	106.4
p1 Cal 7-500ng	7	✓	500.0	579.4	115.9
p1 Cal 8-1000ng	8	✗	1000.0	1261.5	126.2



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 11/25/2019 12:42 PM
Analyst Name ISP\datastor
Analyte Noroxycodone **Internal Standard** Noroxycodone-D3

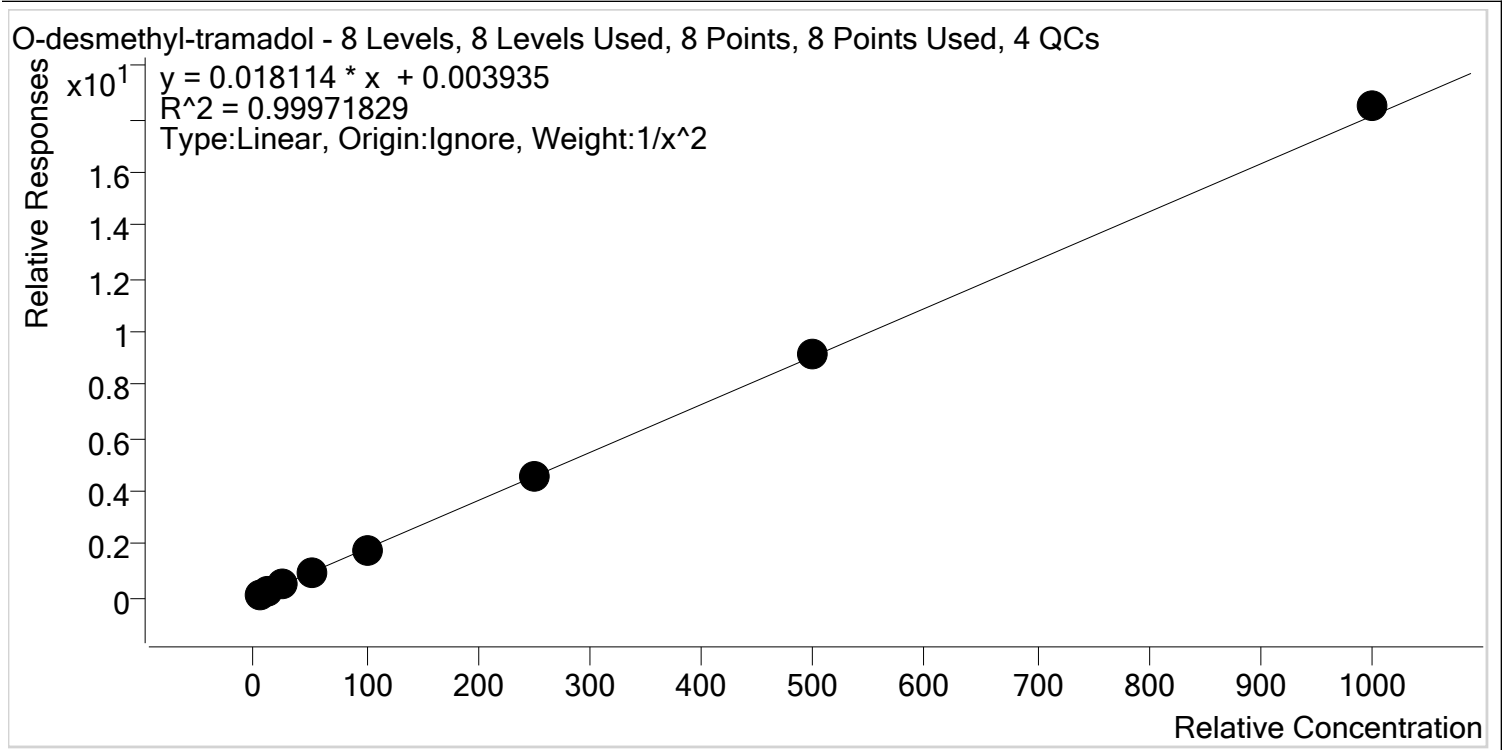


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.4
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.5
p1 Cal 4-50ng	4	✓	50.0	51.6	103.2
p1 Cal 5-100ng	5	✓	100.0	101.4	101.4
p1 Cal 6-250ng	6	✓	250.0	249.0	99.6
p1 Cal 7-500ng	7	✓	500.0	487.6	97.5
p1 Cal 8-1000ng	8	✓	1000.0	987.9	98.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 11/25/2019 12:42 PM
Analyst Name ISP\datastor
Analyte O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6

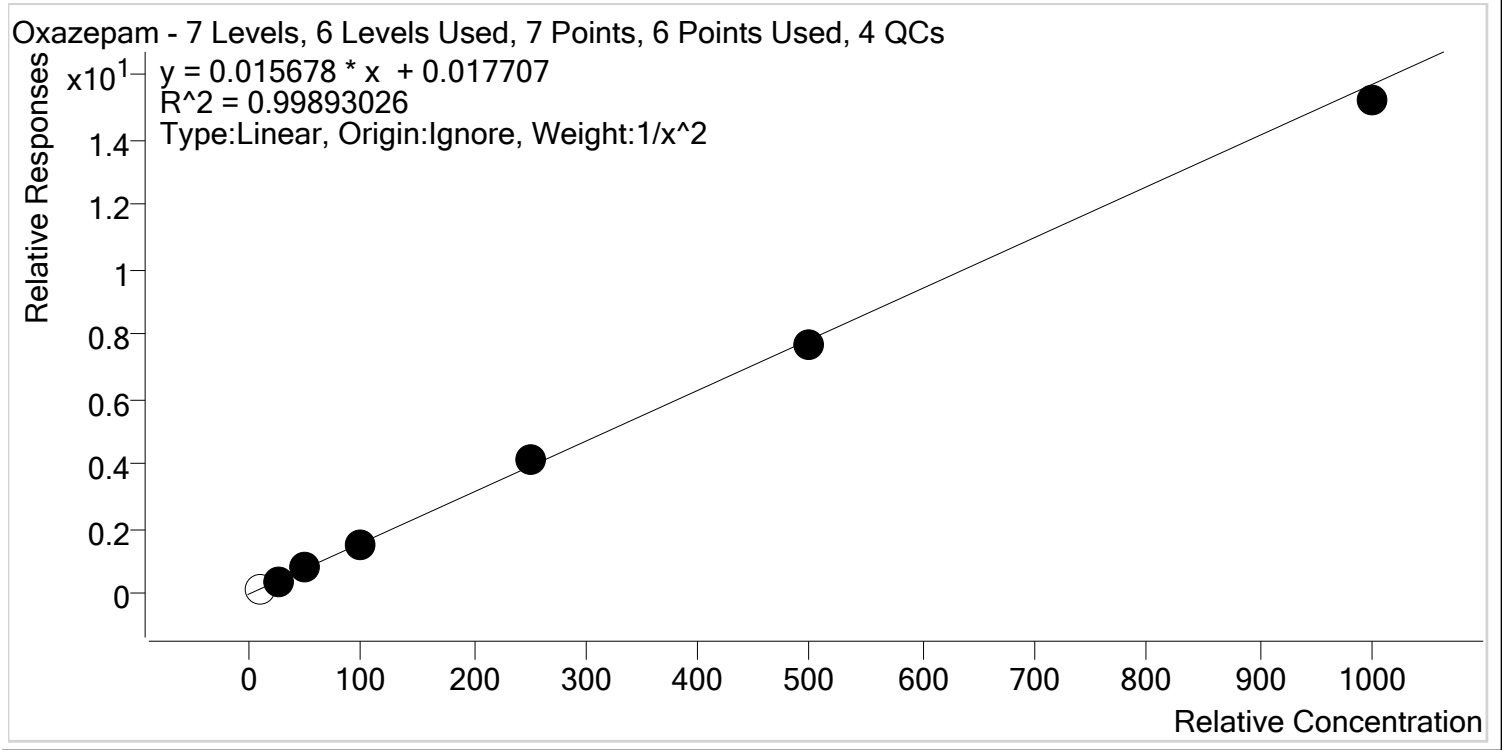


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.0
p1 Cal 2- 10ng	2	✓	10.0	9.9	98.9
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.7
p1 Cal 4-50ng	4	✓	50.0	50.1	100.1
p1 Cal 5-100ng	5	✓	100.0	98.7	98.7
p1 Cal 6-250ng	6	✓	250.0	251.6	100.6
p1 Cal 7-500ng	7	✓	500.0	505.0	101.0
p1 Cal 8-1000ng	8	✓	1000.0	1020.1	102.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 11/25/2019 12:42 PM
Analyst Name ISP\datastor
Analyte Oxazepam **Internal Standard** Oxazepam-D5

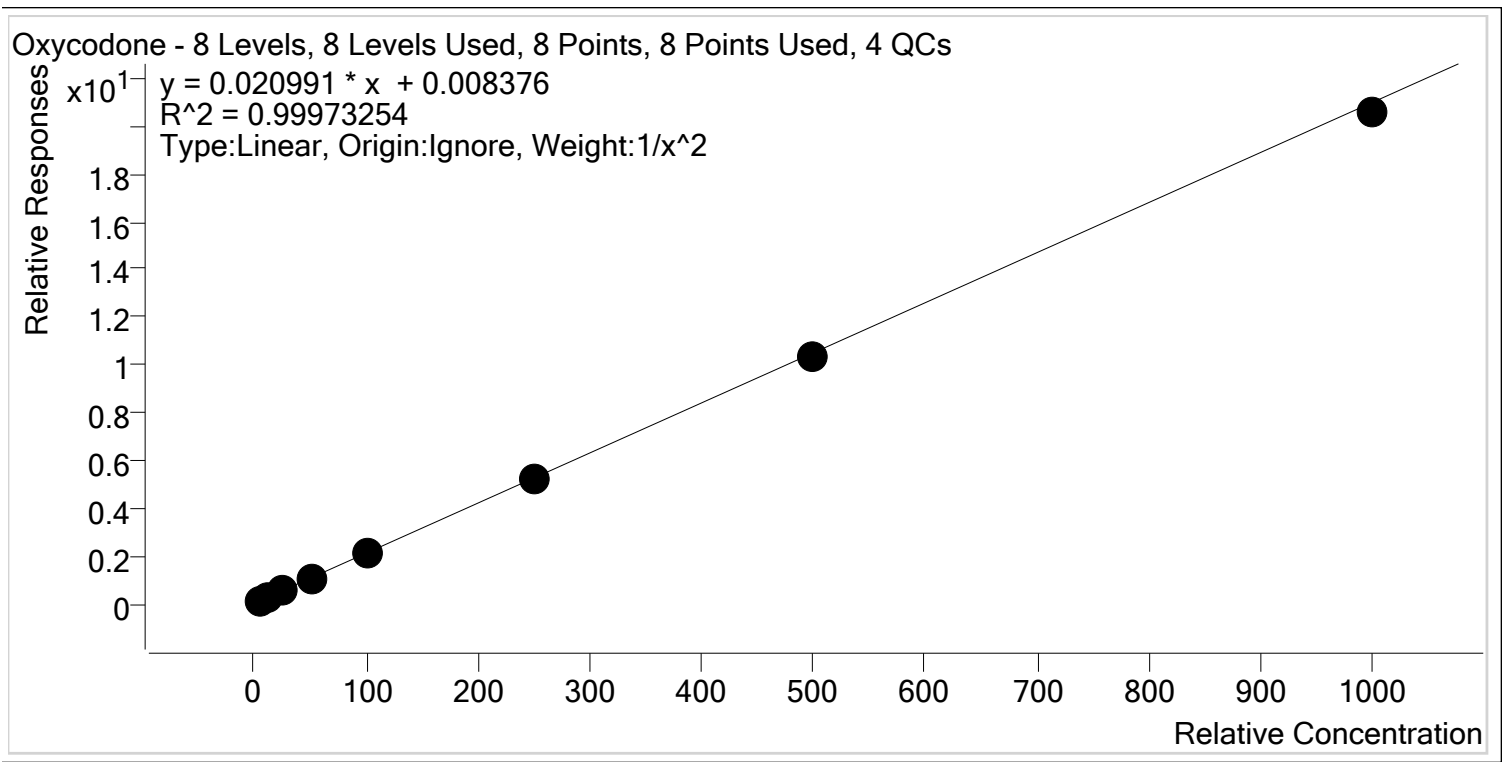


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 2- 10ng	2	x	10.0	10.6	106.0
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.0
p1 Cal 4-50ng	4	✓	50.0	50.7	101.3
p1 Cal 5-100ng	5	✓	100.0	100.2	100.2
p1 Cal 6-250ng	6	✓	250.0	260.8	104.3
p1 Cal 7-500ng	7	✓	500.0	491.7	98.3
p1 Cal 8-1000ng	8	✓	1000.0	968.2	96.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 11/25/2019 12:42 PM
Analyst Name ISP\datastor
Analyte Oxycodone **Internal Standard** Oxycodone-D6

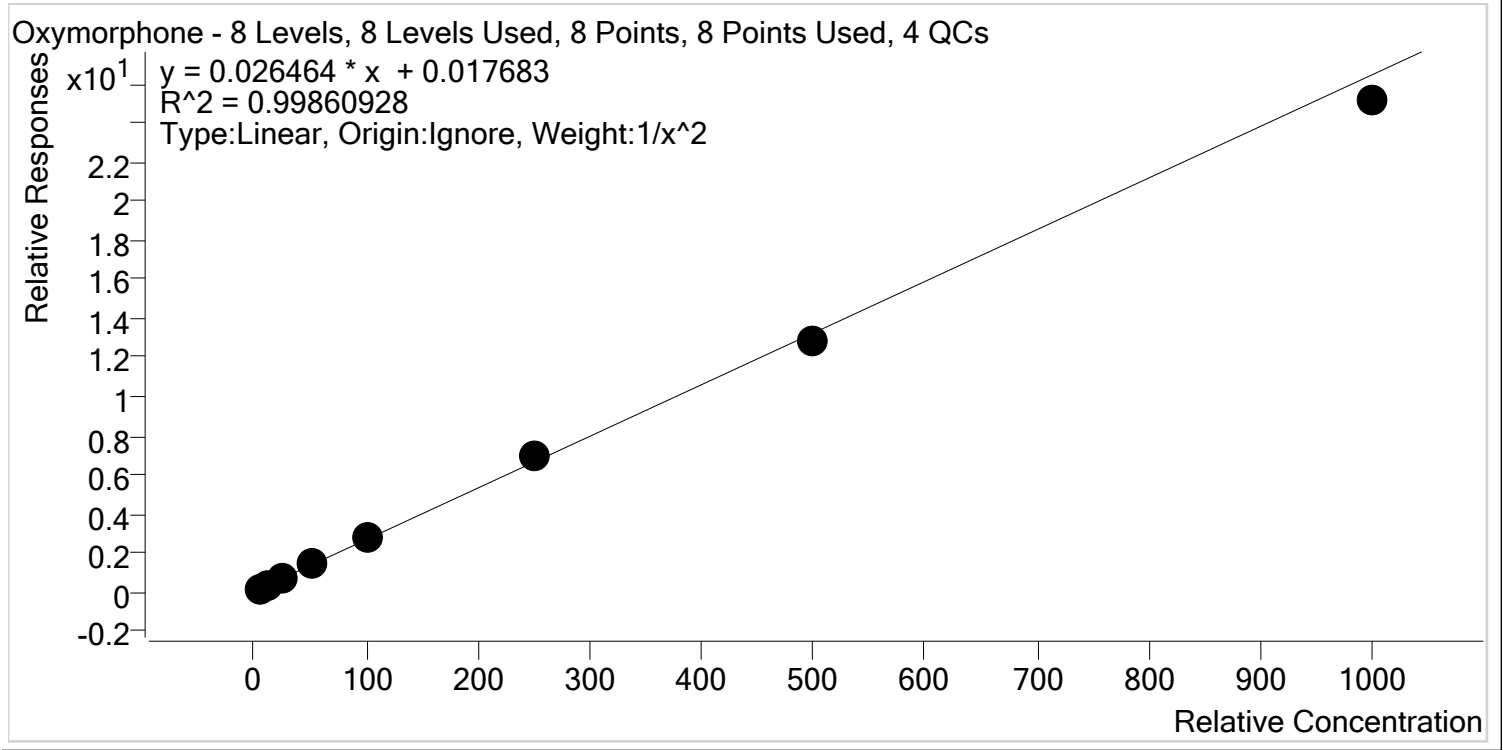


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.8
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.8
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.3
p1 Cal 4-50ng	4	✓	50.0	51.5	102.9
p1 Cal 5-100ng	5	✓	100.0	99.8	99.8
p1 Cal 6-250ng	6	✓	250.0	251.0	100.4
p1 Cal 7-500ng	7	✓	500.0	495.1	99.0
p1 Cal 8-1000ng	8	✓	1000.0	979.8	98.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 11/25/2019 12:42 PM
Analyst Name ISP\datastor
Analyte Oxymorphone **Internal Standard** Oxymorphone-D3

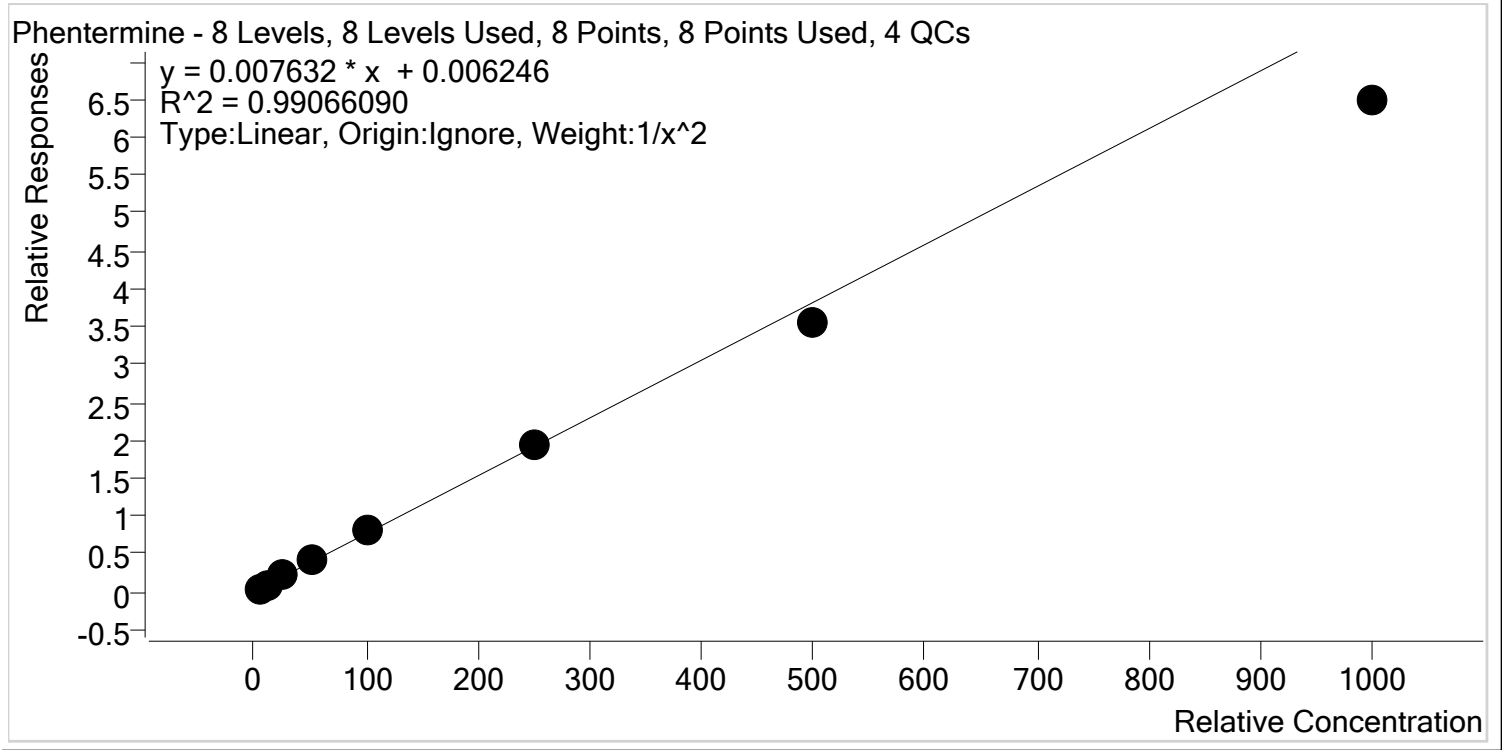


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.9
p1 Cal 2- 10ng	2	✓	10.0	9.8	97.5
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.2
p1 Cal 4-50ng	4	✓	50.0	50.6	101.1
p1 Cal 5-100ng	5	✓	100.0	103.2	103.2
p1 Cal 6-250ng	6	✓	250.0	261.9	104.7
p1 Cal 7-500ng	7	✓	500.0	486.4	97.3
p1 Cal 8-1000ng	8	✓	1000.0	950.0	95.0



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 11/25/2019 12:42 PM
Analyst Name ISP\datastor
Analyte Phentermine **Internal Standard** Phentermine-D5



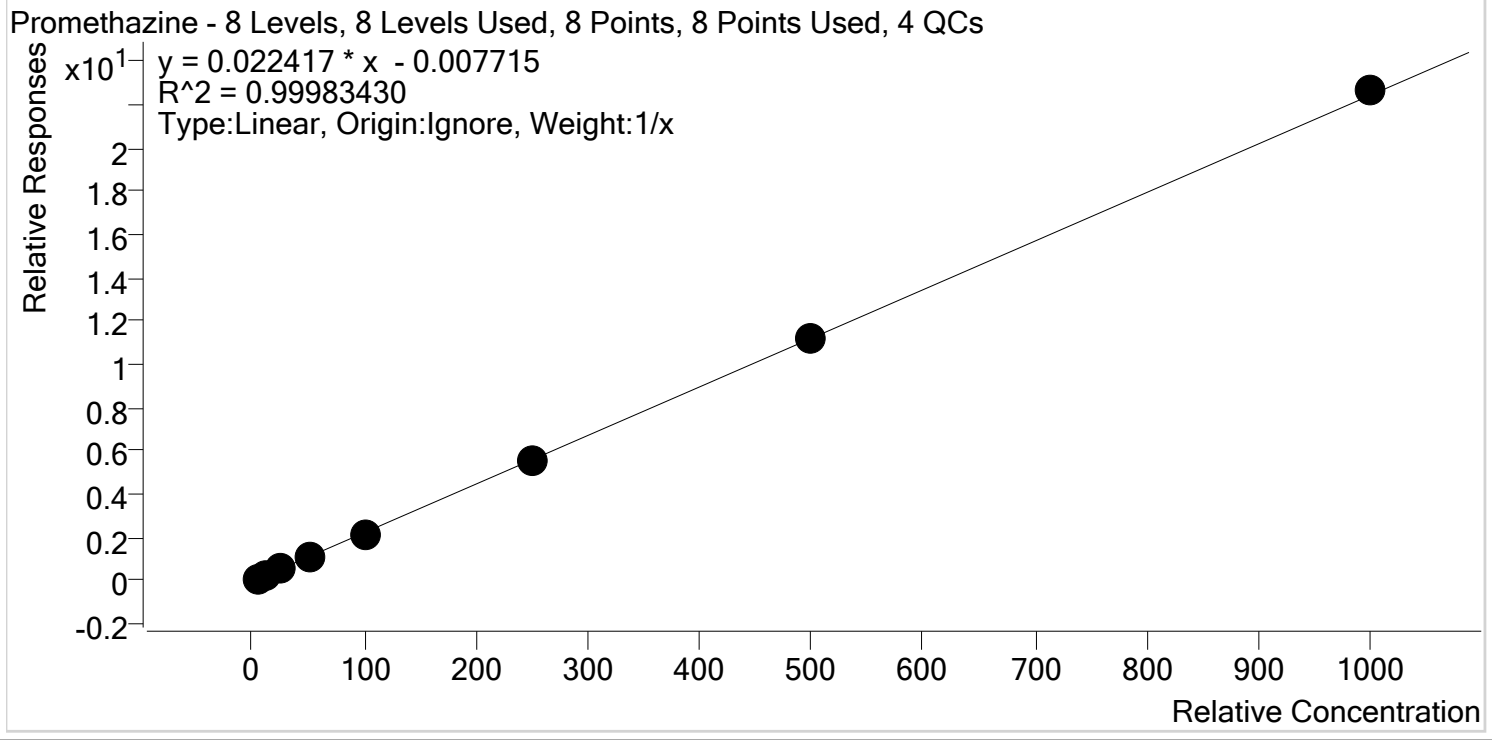
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.2
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.1
p1 Cal 3 -25ng	3	✓	25.0	27.1	108.4
p1 Cal 4-50ng	4	✓	50.0	55.0	109.9
p1 Cal 5-100ng	5	✓	100.0	105.0	105.0
p1 Cal 6-250ng	6	✓	250.0	252.1	100.8
p1 Cal 7-500ng	7	✓	500.0	463.3	92.7
p1 Cal 8-1000ng	8	✓	1000.0	848.7	84.9

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 11/25/2019 12:42 PM
Analyst Name ISP\datastor
Analyte Promethazine **Internal Standard** Promethazine-D3



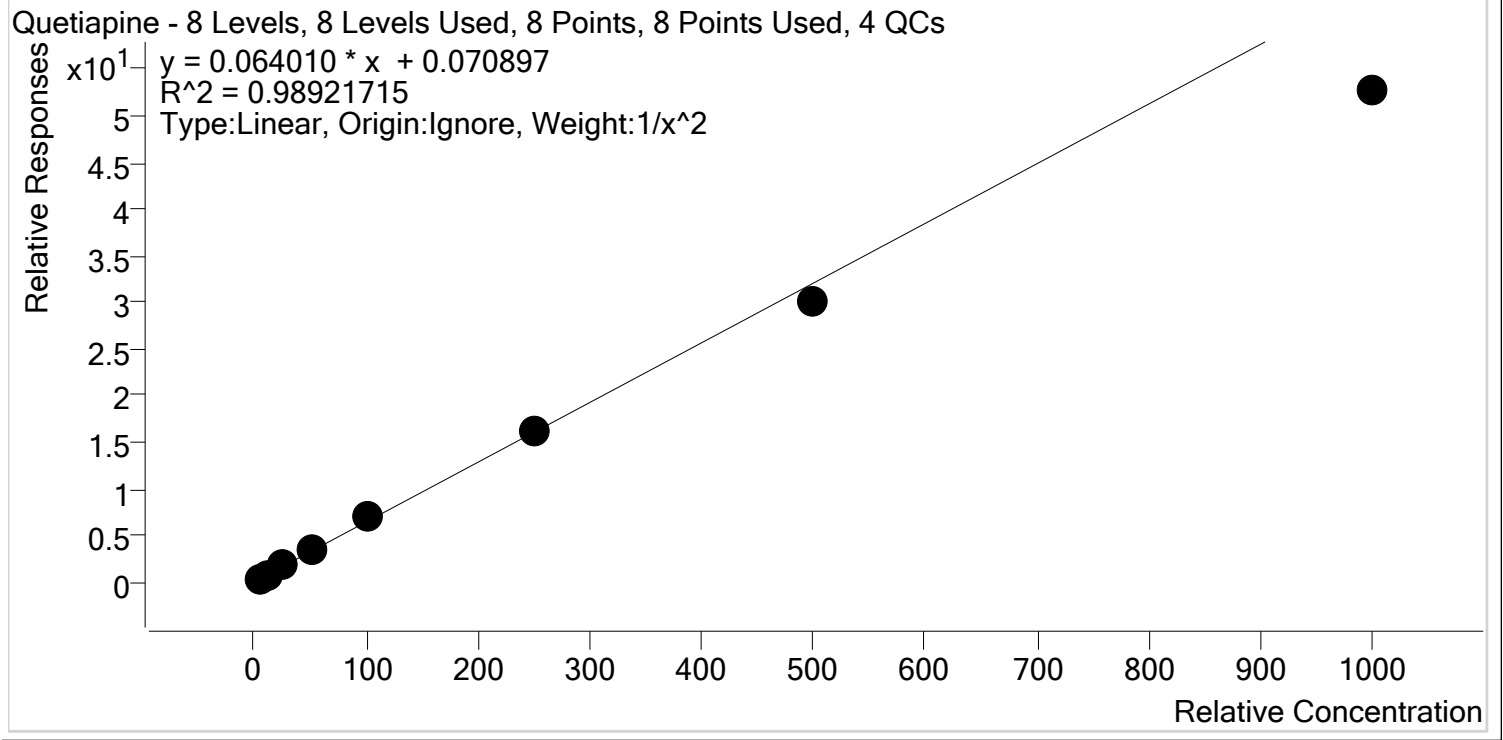
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	106.0
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.1
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.7
p1 Cal 4-50ng	4	✓	50.0	49.1	98.2
p1 Cal 5-100ng	5	✓	100.0	96.7	96.7
p1 Cal 6-250ng	6	✓	250.0	247.2	98.9
p1 Cal 7-500ng	7	✓	500.0	497.1	99.4
p1 Cal 8-1000ng	8	✓	1000.0	1009.8	101.0

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 11/25/2019 12:42 PM
Analyst Name ISP\datastor
Analyte Quetiapine **Internal Standard** Quetiapine-D8

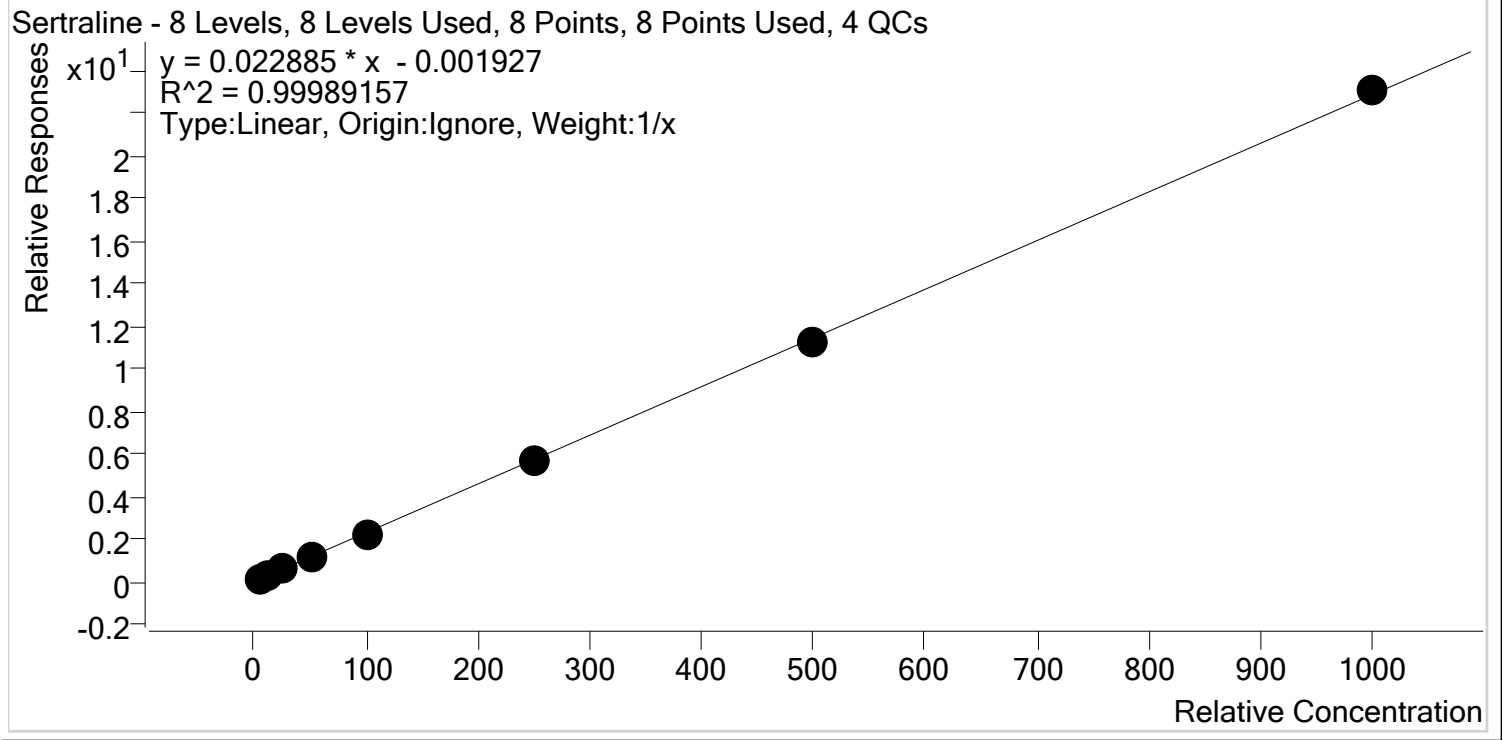


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.4
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.6
p1 Cal 3 -25ng	3	✓	25.0	27.1	108.4
p1 Cal 4-50ng	4	✓	50.0	54.8	109.6
p1 Cal 5-100ng	5	✓	100.0	106.5	106.5
p1 Cal 6-250ng	6	✓	250.0	253.6	101.5
p1 Cal 7-500ng	7	✓	500.0	469.3	93.9
p1 Cal 8-1000ng	8	✓	1000.0	822.6	82.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 11/25/2019 12:42 PM
Analyst Name ISP\datastor
Analyte Sertraline **Internal Standard** Sertraline-D3

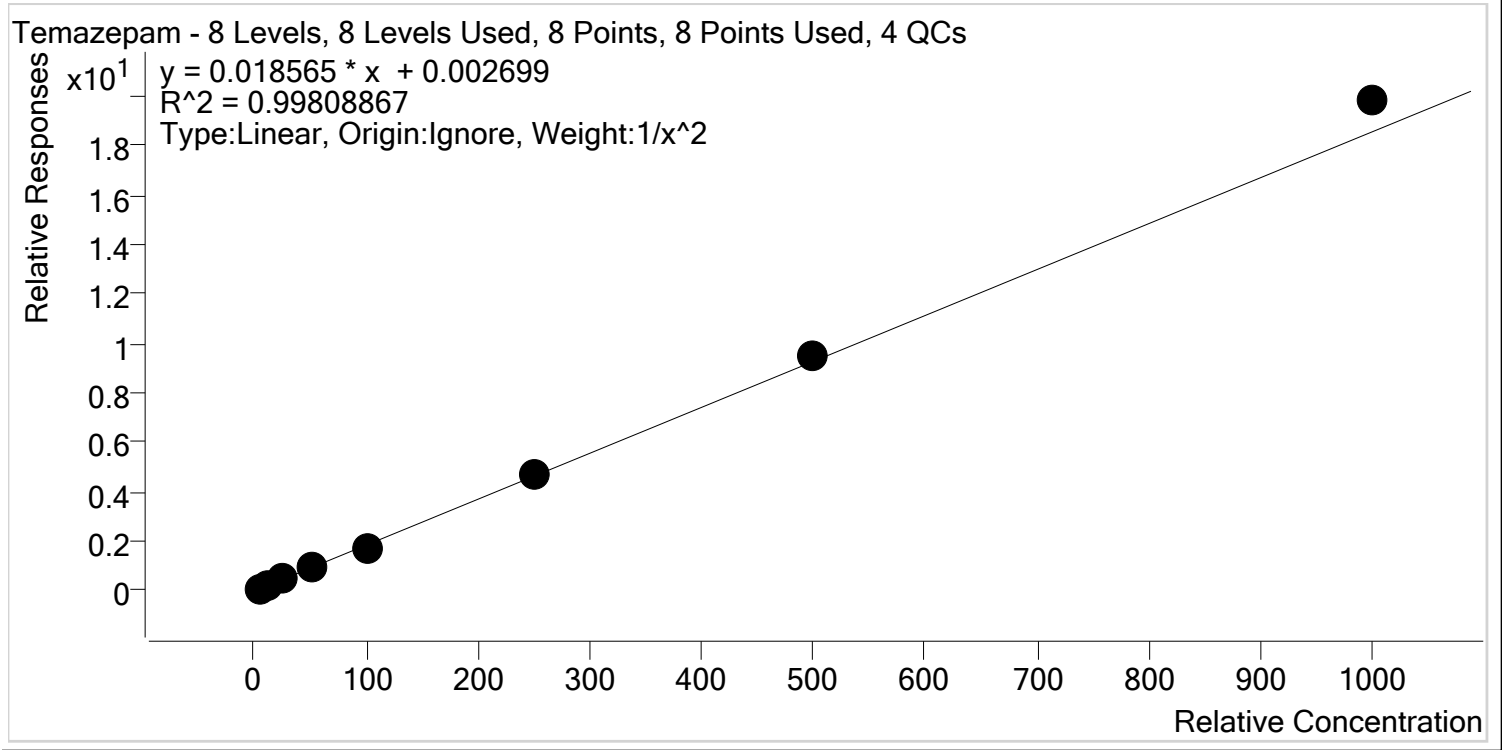


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.3
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.2
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.0
p1 Cal 4-50ng	4	✓	50.0	49.4	98.8
p1 Cal 5-100ng	5	✓	100.0	98.1	98.1
p1 Cal 6-250ng	6	✓	250.0	249.4	99.8
p1 Cal 7-500ng	7	✓	500.0	494.8	99.0
p1 Cal 8-1000ng	8	✓	1000.0	1008.5	100.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 11/25/2019 12:42 PM
Analyst Name ISP\datastor
Analyte Temazepam **Internal Standard** Temazepam-D5

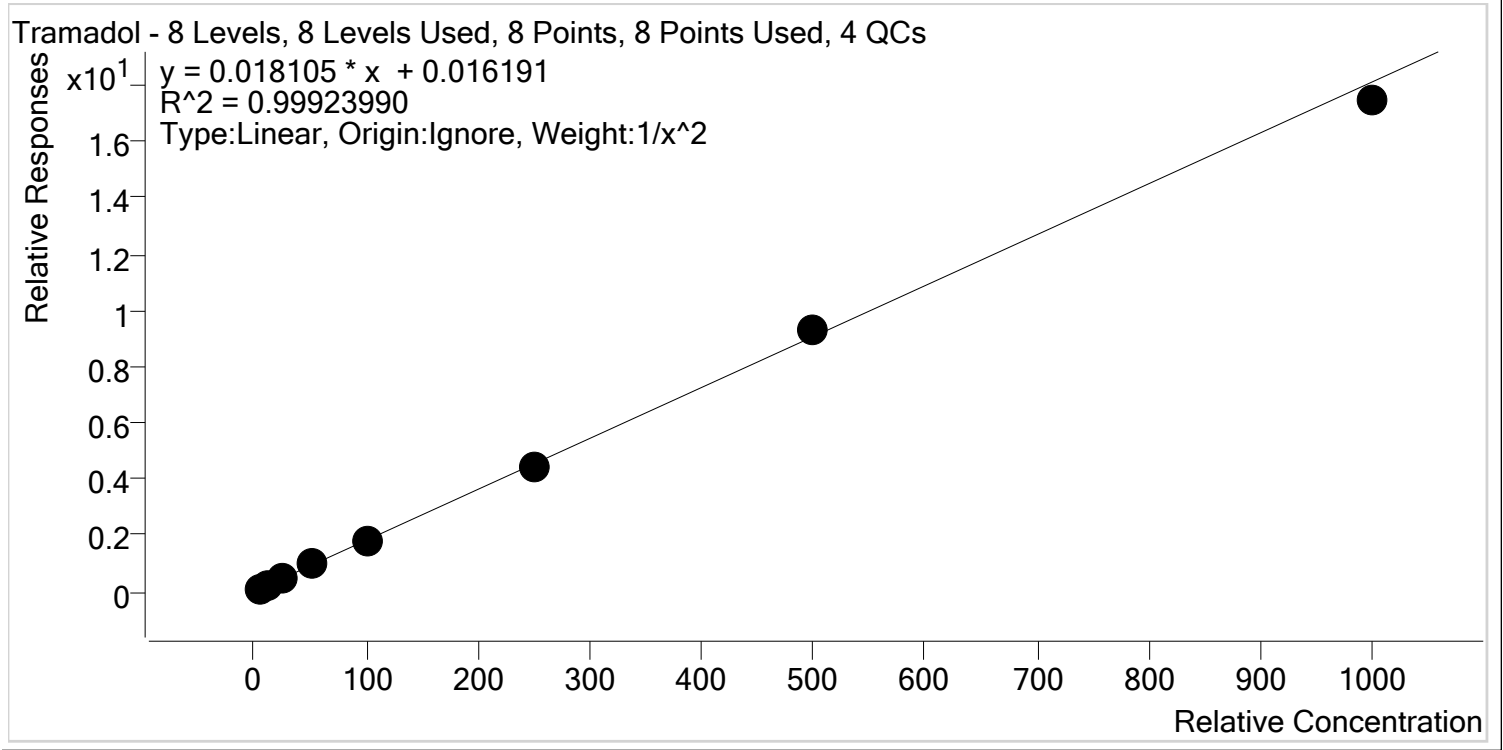


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.6
p1 Cal 2- 10ng	2	✓	10.0	9.6	96.3
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.5
p1 Cal 4-50ng	4	✓	50.0	48.6	97.1
p1 Cal 5-100ng	5	✓	100.0	95.8	95.8
p1 Cal 6-250ng	6	✓	250.0	251.3	100.5
p1 Cal 7-500ng	7	✓	500.0	511.9	102.4
p1 Cal 8-1000ng	8	✓	1000.0	1068.0	106.8



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 11/25/2019 12:42 PM
Analyst Name ISP\datastor
Analyte Tramadol **Internal Standard** Tramadol-13C-D3

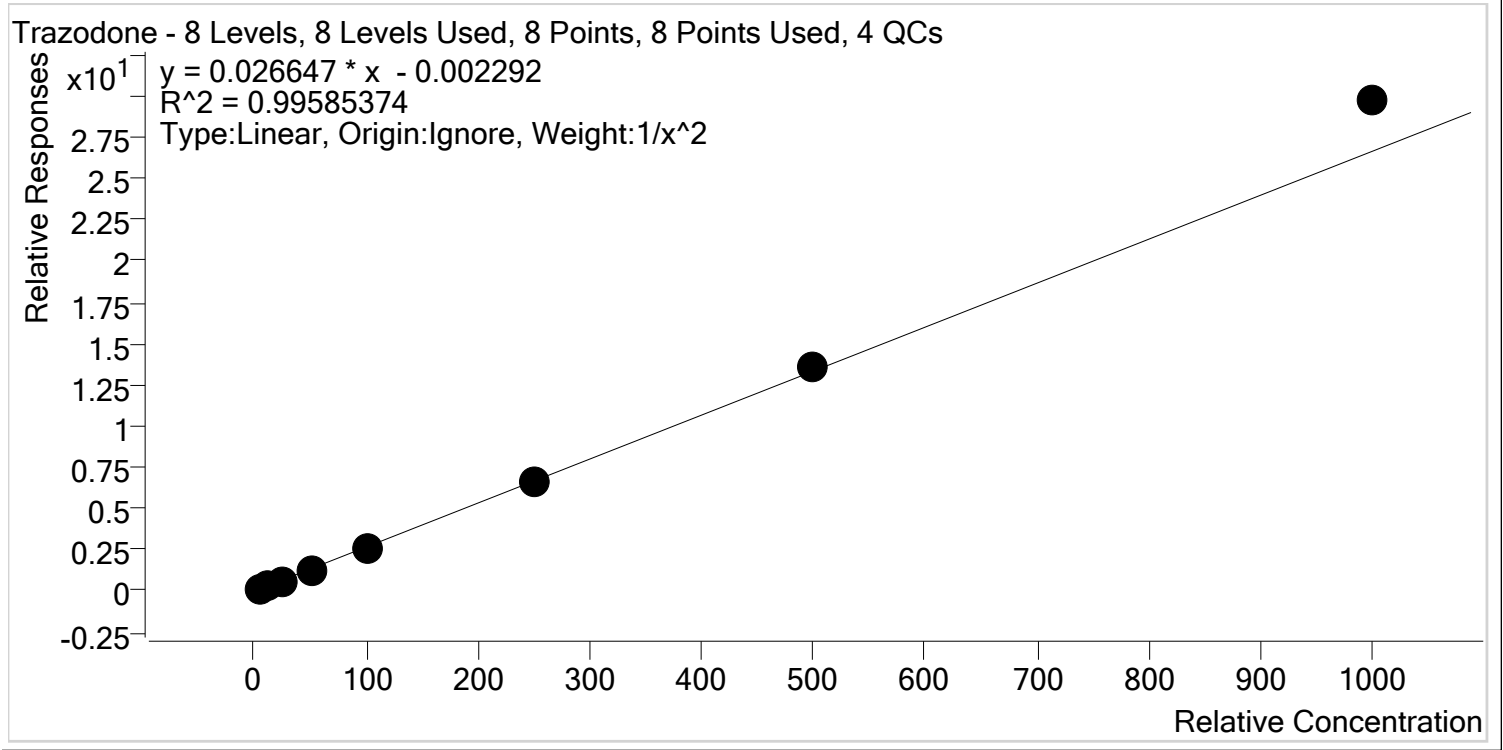


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.8
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.2
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.3
p1 Cal 4-50ng	4	✓	50.0	51.1	102.2
p1 Cal 5-100ng	5	✓	100.0	100.3	100.3
p1 Cal 6-250ng	6	✓	250.0	242.3	96.9
p1 Cal 7-500ng	7	✓	500.0	509.9	102.0
p1 Cal 8-1000ng	8	✓	1000.0	963.4	96.3



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 11/25/2019 12:42 PM
Analyst Name ISP\datastor
Analyte Trazodone **Internal Standard** Trazodone-D6



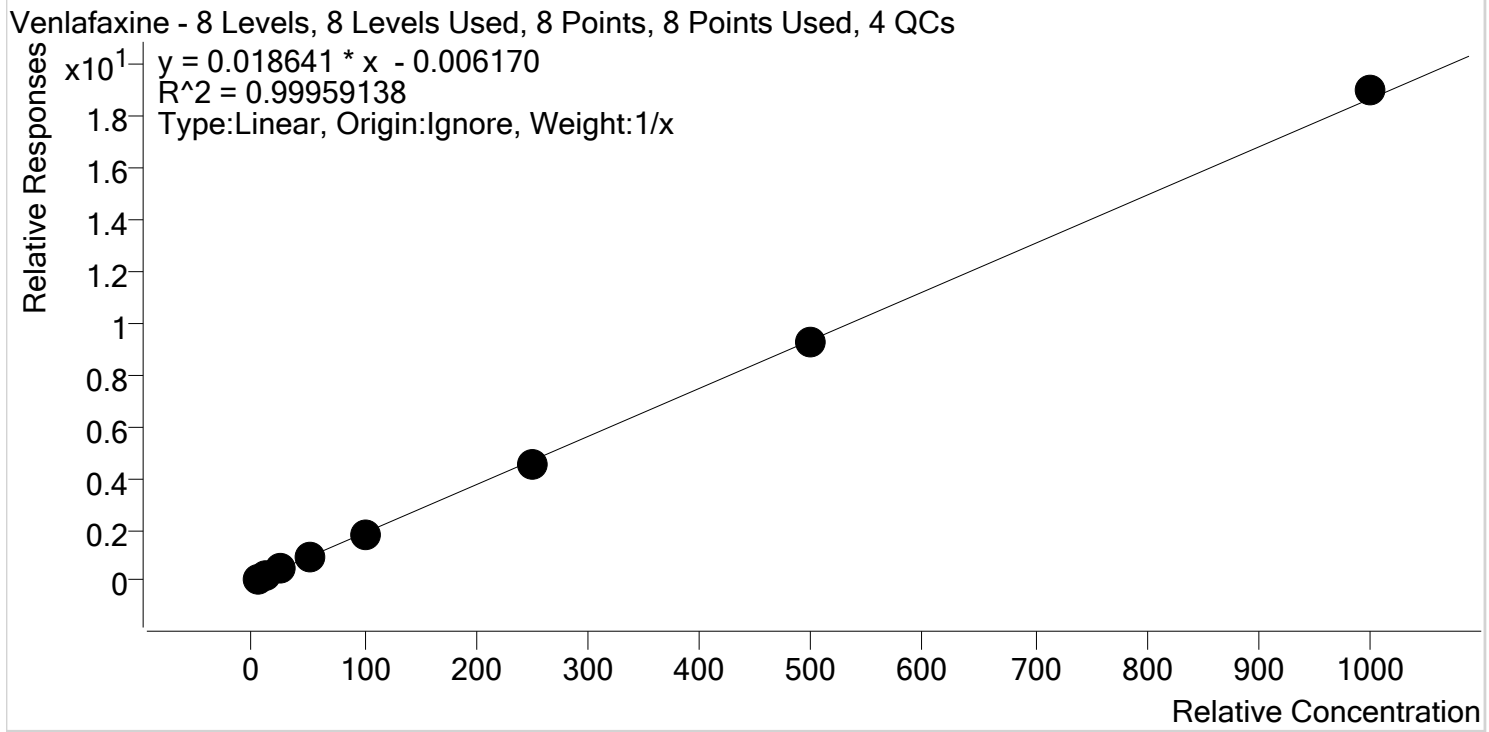
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	103.0
p1 Cal 2- 10ng	2	✓	10.0	9.7	97.5
p1 Cal 3 -25ng	3	✓	25.0	23.5	93.8
p1 Cal 4-50ng	4	✓	50.0	48.4	96.8
p1 Cal 5-100ng	5	✓	100.0	95.8	95.8
p1 Cal 6-250ng	6	✓	250.0	248.5	99.4
p1 Cal 7-500ng	7	✓	500.0	510.9	102.2
p1 Cal 8-1000ng	8	✓	1000.0	1115.4	111.5

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AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 11/25/2019 12:42 PM
Analyst Name ISP\datastor
Analyte Venlafaxine **Internal Standard** Venlafaxine-D6

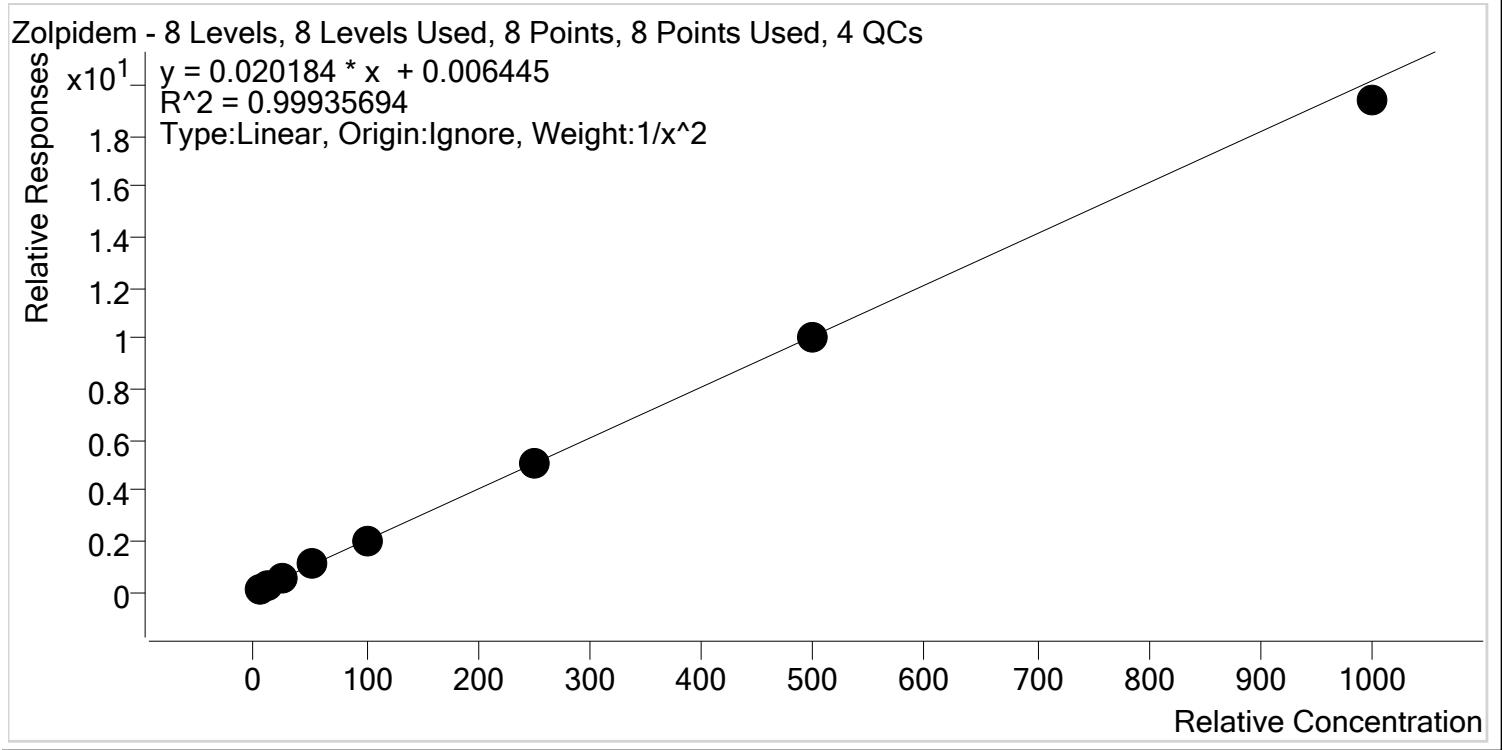


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	106.6
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.5
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.4
p1 Cal 4-50ng	4	✓	50.0	49.6	99.1
p1 Cal 5-100ng	5	✓	100.0	96.7	96.7
p1 Cal 6-250ng	6	✓	250.0	243.0	97.2
p1 Cal 7-500ng	7	✓	500.0	493.7	98.7
p1 Cal 8-1000ng	8	✓	1000.0	1017.1	101.7



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Last Cal. Update 11/25/2019 12:42 PM
Analyst Name ISP\datastor
Analyte Zolpidem **Internal Standard** Zolpidem-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.9
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.1
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.0
p1 Cal 4-50ng	4	✓	50.0	51.8	103.7
p1 Cal 5-100ng	5	✓	100.0	100.7	100.7
p1 Cal 6-250ng	6	✓	250.0	249.2	99.7
p1 Cal 7-500ng	7	✓	500.0	494.4	98.9
p1 Cal 8-1000ng	8	✓	1000.0	961.0	96.1

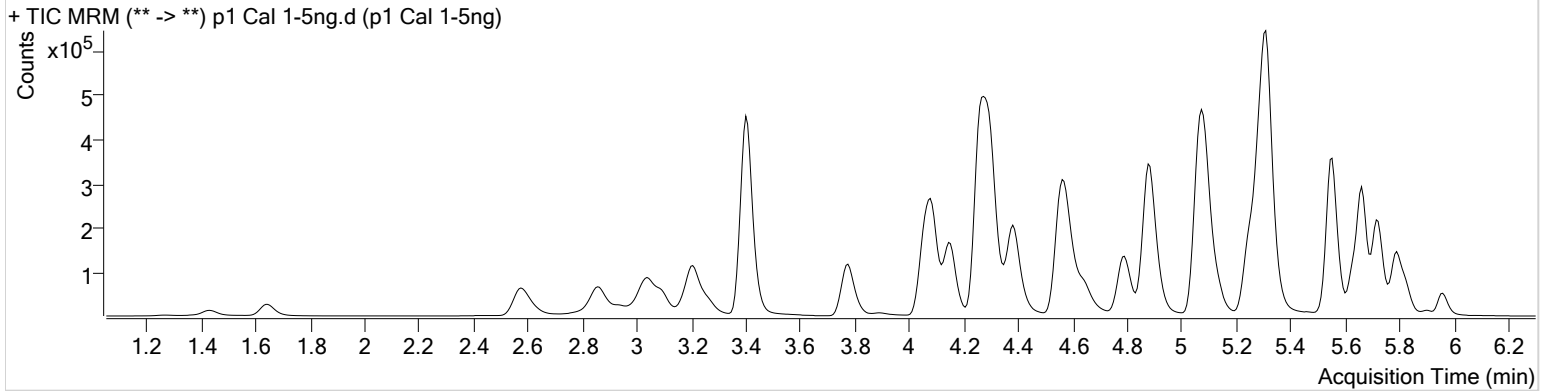
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Calibration Last Update 11/25/2019 12:42:18 PM

Instrument Falco **Data File** p1 Cal 1-5ng.d
Type Cal **Sample** p1 Cal 1-5ng
Acq. Method MDQ P1 Combined 092319.m **Operator** Sarah Pickle
Sample Position P2-H12 **Comment**
Injection Volume 2
Acq. Date-Time 11/24/2019 6:53:41 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.170	909	1121.89	67.9	145.97	36264	0.5161 ng/ml
7-aminoclonazepam	4.291	11376	2702.34	83.1	5138.89	82464	4.8276 ng/ml
a-hydroxyalprazolam	5.707	563	10.45	53.1	15.51	5407	5.1086 ng/ml
alpha-PVP	4.391	63638	454.18	51.2	2479.14	557304	5.2989 ng/ml
Alprazolam	5.790	18344	276.60	108.2	1239.20	91139	4.9889 ng/ml
Amphetamine	3.095	71393	538.12	55.2	∞	146737	4.8195 ng/ml
Benzoylcegonine	3.921	2137	35.13	6.6	36.47	12644	5.3390 ng/ml
Buprenorphine	5.767	1777	29.81	15.8	14.69	110492	0.5152 ng/ml
Bupropion	4.807	55311	6137.64	58.8	1640.96	379515	4.8838 ng/ml
Carisoprodol	5.733	10046	931.03	60.9	155.52	102918	4.9574 ng/ml
Citalopram	5.249	46256	4183.24	42.5	∞	411872	4.9533 ng/ml
Clonazepam	5.620	1710	60.73	34.7	558.47	6842	4.7859 ng/ml
Cocaine	4.297	65421	4026.54	43.4	2340.30	953000	5.0691 ng/ml
Codeine	2.630	6987	10226.41	96.1	10935.89	55968	4.3058 ng/ml
Cyclobenzaprine	5.637	35159	855.91	10.4	173.91	237210	5.0597 ng/ml
Dextromethorphan	5.292	27916	89.99	79.4	136.37	247054	5.0449 ng/ml
Dextrorphan	4.154	16649	38946.81	210.3	830.78	432093	5.0580 ng/ml
Diazepam	5.968	11138	201.57	88.5	180.15	107507	5.0636 ng/ml
Dihydrocodeine	2.608	19324	435.64	64.8	111.13	197196	4.8967 ng/ml
Diphenhydramine	5.313	99914	2582.77	33.3	984.27	1519788	5.4552 ng/ml
Doxylamine	4.581	139489	974.52	98.2	2731.83	1129032	5.0416 ng/ml
EDDP	5.284	47539	3102.25	41.6	1980.80	508554	5.0751 ng/ml
Fentanyl	5.106	3128	∞	77.8	7378.58	332006	0.4971 ng/ml
Fluoxetine	5.722	33655	422.28	8.9	6411.88	284918	5.1424 ng/ml
Hydrocodone	3.072	16212	108.93	43.2	265.89	205622	4.8826 ng/ml
Hydromorphone	1.654	11349	195.91	75.5	126.97	81674	5.0047 ng/ml
Ketamine	4.074	52318	32971.12	37.4	532.67	469591	4.9760 ng/ml
Lamotrigine	4.315	5363	725.41	78.8	957.59	469591	4.8034 ng/ml
Lorazepam	5.755	845	12.59	50.8	2.84 Low	6842	6.2193 ng/ml
Meprobamate	4.935	2525	96.43	27.2	36.20	25037	5.0979 ng/ml
Methadone	5.668	63204	8895.40	51.6	491.36	572801	5.2792 ng/ml
Methamphetamine	3.269	50755	344.31	42.5	137.01	413207	4.7961 ng/ml
Metoprolol	4.346	12283	20964.56	99.4	868.27	1208558	4.7403 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.650	89709	1147.16	49.3	768.76	557304	5.1020 ng/ml
Mitragynine	5.234	12811	26016.07	37.8	229.57	572801	4.6367 ng/ml
Morphine	1.280	1981	1428.52	23.4	∞	3737	4.9058 ng/ml
Nordiazepam	5.915	2651	63.58	57.8	752.62	15794	5.0670 ng/ml
Norfentanyl	4.108	6032	3617.18	40.6	116.27	570115	0.5048 ng/ml
Norhydrocodone	3.120	413	316.12	40.3	72.81	43951	5.3489 ng/ml
Noroxycodone	2.964	10828	545.72	47.1	609.24	64231	4.9719 ng/ml
O-desmethyl-tramadol	3.408	125408	6747.56	6.2	535.45	1314016	5.0515 ng/ml
Oxycodone	2.881	30831	554.27	30.9	6858.23	272645	4.9882 ng/ml
Oxymorphone	1.437	6613	118.54	45.9	74.45	43749	5.0438 ng/ml
Phentermine	3.812	17057	∞	2.5	∞	397248	4.8076 ng/ml
Promethazine	5.556	80155	21156.86	30.9	855.23	721494	5.3001 ng/ml
Quetiapine	5.551	64279	4271.08	59.4	1127.70	169464	4.8182 ng/ml
Sertraline	5.791	23020	1060.70	91.3	1702.76	196063	5.2147 ng/ml
Temazepam	5.832	9999	55.55	32.1	49.78	102107	5.1296 ng/ml
Tramadol	4.273	127617	955.69	3.4	∞	1208558	4.9380 ng/ml
Trazodone	5.133	61614	64820.86	78.1	∞	456738	5.1484 ng/ml
Venlafaxine	5.067	86435	368.57	36.6	200.48	927941	5.3279 ng/ml
Zolpidem	4.898	110558	9302.25	31.0	104.44	1040868	4.9432 ng/ml

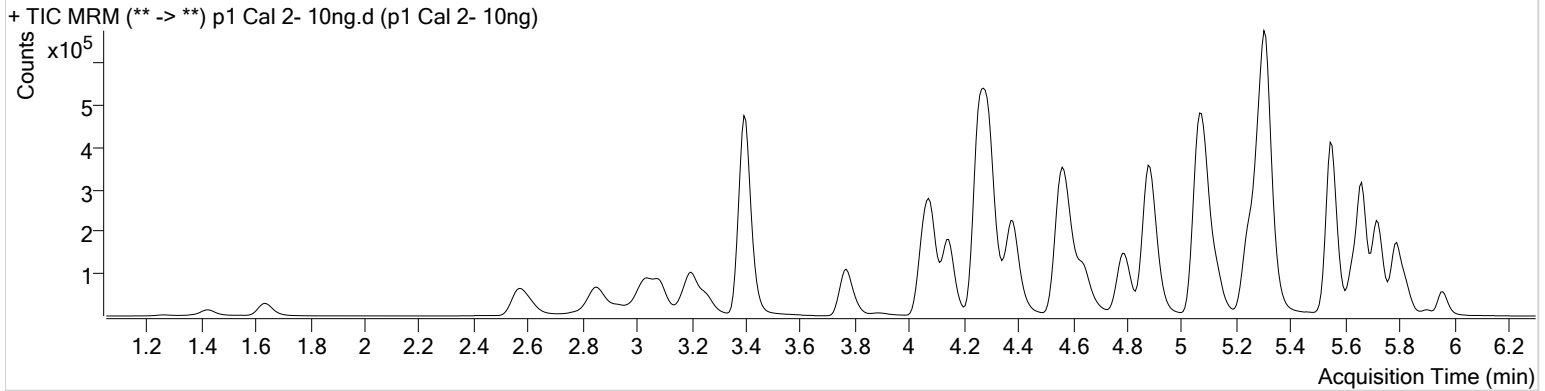
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Calibration Last Update 11/25/2019 12:42:18 PM

Instrument Falco **Data File** p1 Cal 2- 10ng.d
Type Cal **Sample** p1 Cal 2- 10ng
Acq. Method MDQ P1 Combined 092319.m **Operator** Sarah Pickle
Sample Position P2-G12 **Comment**
Injection Volume 2
Acq. Date-Time 11/24/2019 7:04:24 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.170	1648	4526.31	78.8	494.22	35240	0.9461 ng/ml
7-aminoclonazepam	4.285	21198	2737.84	82.2	3408.85	80845	10.1644 ng/ml
a-hydroxyalprazolam	5.707	1058	21.67	71.1	1854.96	5129	10.1674 ng/ml
alpha-PVP	4.391	121118	312.90	50.8	342.00	544365	10.0559 ng/ml
Alprazolam	5.784	36868	369.17	103.2	596.00	88653	10.2573 ng/ml
Amphetamine	3.088	129997	3131.72	56.9	179.72	140166	10.2955 ng/ml
Benzoylcegonine	3.914	3236	∞	8.9	75.06	12645	8.8577 ng/ml
Buprenorphine	5.767	3223	57.78	16.3	52.58	107989	0.9656 ng/ml
Bupropion	4.800	104618	8884.32	57.2	249.79	367020	9.8997 ng/ml
Carisoprodol	5.733	20434	5413.07	53.6	37.77	99378	10.2075 ng/ml
Citalopram	5.243	87798	4105.03	42.7	4039.13	405156	9.8796 ng/ml
Clonazepam	5.620	3887	519.26	26.9	∞	7181	10.6161 ng/ml
Cocaine	4.291	124387	6430.41	44.6	12285.55	949060	9.8501 ng/ml
Codeine	2.623	12759	773.90	102.3	114.07	55630	9.2716 ng/ml
Cyclobenzaprine	5.637	64547	231885.71	10.2	192.99	230543	9.7852 ng/ml
Dextromethorphan	5.292	52105	2096.71	79.2	1092.04	235813	10.0134 ng/ml
Dextrorphan	4.147	32272	955.21	211.7	939.19	431346	9.9673 ng/ml
Diazepam	5.968	21086	215.39	89.5	220.85	106815	9.7332 ng/ml
Dihydrocodeine	2.601	35160	3870.50	68.6	10793.68	194102	9.9136 ng/ml
Diphenhydramine	5.313	189790	7422.37	33.8	5948.80	1482285	10.1885 ng/ml
Doxylamine	4.574	268172	12482.95	97.1	13436.80	1123119	9.8952 ng/ml
EDDP	5.278	76933	3008.92	41.7	4669.28	432420	9.7646 ng/ml
Fentanyl	5.106	6354	170.20	68.5	∞	323646	1.0302 ng/ml
Fluoxetine	5.722	62635	743.28	8.5	7158.44	270104	10.0465 ng/ml
Hydrocodone	3.058	31465	347.10	40.5	30.39	201274	10.2585 ng/ml
Hydromorphone	1.648	21544	601.77	75.2	724.60	80343	9.9379 ng/ml
Ketamine	4.067	97758	1488.01	38.2	608.13	458355	9.9611 ng/ml
Lamotrigine	4.308	9699	∞	81.7	583.34	458355	10.3257 ng/ml
Lorazepam	5.762	1520	57.40	53.6	6.32 Low	7181	10.5539 ng/ml
Meprobamate	4.929	5004	132.31	23.1	84.39	24476	9.9476 ng/ml
Methadone	5.661	117677	388.72	52.5	3750.15	557585	9.9395 ng/ml
Methamphetamine	3.262	87711	536.98	42.9	189.79	371186	10.4053 ng/ml
Metoprolol	4.346	24450	25880.67	96.8	1584.07	1186899	10.5650 ng/ml

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AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.643	172039	7768.01	49.5	993.41	544365	9.6831 ng/ml
Mitragynine	5.234	24454	105.59	38.5	8365.78	557585	9.9194 ng/ml
Morphine	1.266	3626	2876.86	22.4	956.15	3521	10.1120 ng/ml
Norbuprenorphine	5.024	76	7.14 Low	74.8	3.76 Low	3153	0.3192 ng/ml
Nordiazepam	5.908	5020	218.87	58.9	268.89	15888	9.7786 ng/ml
Norfentanyl	4.108	11726	1829.67	38.1	∞	551969	1.0041 ng/ml
Norhydrocodone	3.093	819	63.16	43.2	39.68	43915	9.2204 ng/ml
Noroxycodone	2.950	20723	251.90	48.5	18.23	62335	10.0643 ng/ml
O-desmethyl-tramadol	3.401	235828	4516.16	6.1	∞	1287863	9.8918 ng/ml
Oxazepam	5.765	1910	9.65 Low	54.0 Low	2.82 Low	10384	10.6010 ng/ml
Oxycodone	2.874	58125	901.56	30.3	439.24	266801	9.9798 ng/ml
Oxymorphone	1.430	12245	832.89	47.7	1002.68	44407	9.7515 ng/ml
Phentermine	3.805	31407	343.81	2.1	22.31	373155	10.2101 ng/ml
Promethazine	5.556	151671	2281.87	30.1	1186.41	692473	10.1148 ng/ml
Quetiapine	5.551	123344	∞	59.3	4281.80	171045	10.1581 ng/ml
Sertraline	5.791	44589	337.74	86.7	4968.46	194077	10.1234 ng/ml
Temazepam	5.832	18245	91.48	34.2	17.63	100545	9.6288 ng/ml
Tramadol	4.267	236698	1409.30	3.0	132.58	1186899	10.1205 ng/ml
Trazodone	5.126	119412	34806.30	77.8	512476.43	463888	9.7461 ng/ml
Venlafaxine	5.061	168764	333.57	36.6	1327.99	912785	10.2495 ng/ml
Zolpidem	4.898	212473	11646.01	30.5	2991.72	1008910	10.1147 ng/ml

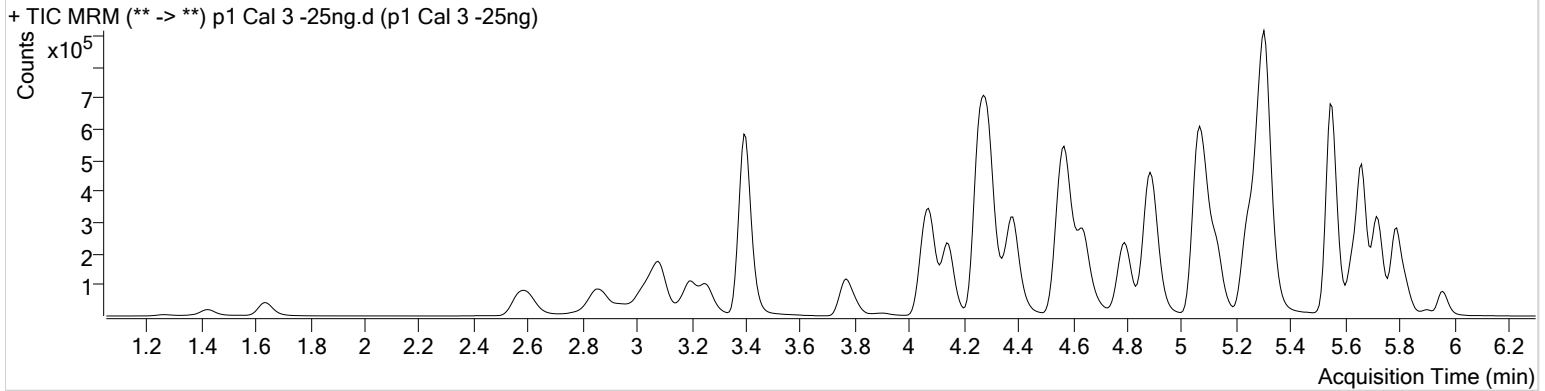
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Calibration Last Update 11/25/2019 12:42:18 PM

Instrument Falco **Data File** p1 Cal 3 -25ng.d
Type Cal **Sample** p1 Cal 3 -25ng
Acq. Method MDQ P1 Combined 092319.m **Operator** Sarah Pickle
Sample Position P2-F12 **Comment**
Injection Volume 2
Acq. Date-Time 11/24/2019 7:15:00 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.170	4247	30583.82	69.1	6331.73	34687	2.4446 ng/ml
7-aminoclonazepam	4.285	52520	192253.52	80.4	2537.46	80196	27.0311 ng/ml
a-hydroxyalprazolam	5.707	2684	84.51	67.7	∞	5533	23.9661 ng/ml
alpha-PVP	4.391	308952	6664.11	51.1	995.60	558369	24.5859 ng/ml
Alprazolam	5.784	89364	581.41	104.7	470.55	89048	24.6850 ng/ml
Amphetamine	3.088	330405	3563.72	56.4	3689.89	147659	26.5674 ng/ml
Benzoylcegonine	3.914	8003	58.19	8.0	5.02 Low	13040	23.3508 ng/ml
Buprenorphine	5.767	8877	144.95	17.3	∞	120097	2.4076 ng/ml
Bupropion	4.800	285259	1205.72	57.2	9004.66	406634	24.8951 ng/ml
Carisoprodol	5.733	49456	652.19	51.0	30.19	96985	25.0012 ng/ml
Citalopram	5.243	237125	11116.69	41.8	967.97	441244	25.0131 ng/ml
Clonazepam	5.620	9007	∞	33.9	271.78	7112	25.1263 ng/ml
Cocaine	4.291	306574	22473.38	43.7	129552.90	934173	24.9490 ng/ml
Codeine	2.623	31773	87.23	101.6	16485.59	54857	25.8925 ng/ml
Cyclobenzaprine	5.631	185890	357.40	10.2	441.96	267186	24.6956 ng/ml
Dextromethorphan	5.285	148788	223.37	78.6	748.43	272550	24.9676 ng/ml
Dextrorphan	4.147	81134	9182.66	211.3	526.77	441576	24.7040 ng/ml
Diazepam	5.968	52631	396.34	89.3	2360.63	104827	24.9002 ng/ml
Dihydrocodeine	2.601	89529	232.11	67.4	339.32	193688	26.8737 ng/ml
Diphenhydramine	5.313	510992	687.38	34.2	2794.96	1629358	24.2887 ng/ml
Doxylamine	4.574	693590	∞	97.8	7029.90	1165160	24.9119 ng/ml
EDDP	5.278	193583	912.20	41.7	1389.46	436175	24.5334 ng/ml
Fentanyl	5.106	17440	1867.21	72.4	∞	379231	2.4061 ng/ml
Fluoxetine	5.722	181107	2979.08	9.0	18935.73	316672	24.7029 ng/ml
Hydrocodone	3.058	77937	∞	41.9	∞	203282	26.0118 ng/ml
Hydromorphone	1.641	52254	1879.48	75.8	348.39	78528	25.1080 ng/ml
Ketamine	4.067	243311	1909.02	38.8	1256.10	458716	25.4809 ng/ml
Lamotrigine	4.308	23507	4218.27	76.6	2240.80	458716	27.3816 ng/ml
Lorazepam	5.755	2987	51.46	62.2	9.09 Low	7112	20.7920 ng/ml
Meprobamate	4.929	11981	1715.65	23.5	100.02	24258	23.4936 ng/ml
Methadone	5.661	335261	1027.59	51.9	985.60	639535	24.4323 ng/ml
Methamphetamine	3.262	219118	702.07	42.9	501.21	391483	26.3933 ng/ml
Metoprolol	4.346	60192	∞	97.5	8743.91	1205390	26.9377 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.643	459189	4648.48	49.4	2241.43	558369	24.6417 ng/ml
Mitragynine	5.234	66938	10188.87	39.8	3210.04	639535	24.8656 ng/ml
Morphine	1.266	9023	2299.90	21.6	332.26	3456	26.5792 ng/ml
Norbuprenorphine	5.010	143	11.26	108.1 High	9.09 Low	3596	1.1754 ng/ml
Nordiazepam	5.908	12399	478.69	57.6	867.99	15896	24.5451 ng/ml
Norfentanyl	4.108	28777	4871.64	37.8	348.98	566957	2.3857 ng/ml
Norhydrocodone	3.100	2250	123.56	40.2	127.34	45546	22.1002 ng/ml
Noroxycodone	2.950	51096	693.39	48.3	1795.71	63176	24.8668 ng/ml
O-desmethyl-tramadol	3.401	578246	2049.50	6.2	280.68	1295756	24.4189 ng/ml
Oxazepam	5.765	4321	133.19	68.8	5.62 Low	10646	24.7579 ng/ml
Oxycodone	2.874	144914	4326.72	31.2	1377.09	270901	25.0854 ng/ml
Oxymorphone	1.423	30175	685.84	47.5	315.62	44315	25.0621 ng/ml
Phentermine	3.805	81861	819.38	1.9	54.63	384051	27.1110 ng/ml
Promethazine	5.556	442092	7053.85	30.0	878.51	810434	24.6785 ng/ml
Quetiapine	5.551	316366	2148.16	58.8	∞	175161	27.1090 ng/ml
Sertraline	5.791	123216	4295.87	90.5	3165.49	220554	24.4960 ng/ml
Temazepam	5.832	46058	∞	31.7	∞	100195	24.6151 ng/ml
Tramadol	4.267	577838	26887.78	3.4	405.92	1205390	25.5830 ng/ml
Trazodone	5.126	318253	∞	78.2	26766.41	511087	23.4540 ng/ml
Venlafaxine	5.061	422394	2153.52	37.6	404.19	943076	24.3583 ng/ml
Zolpidem	4.898	529876	22185.60	30.9	∞	1026672	25.2513 ng/ml

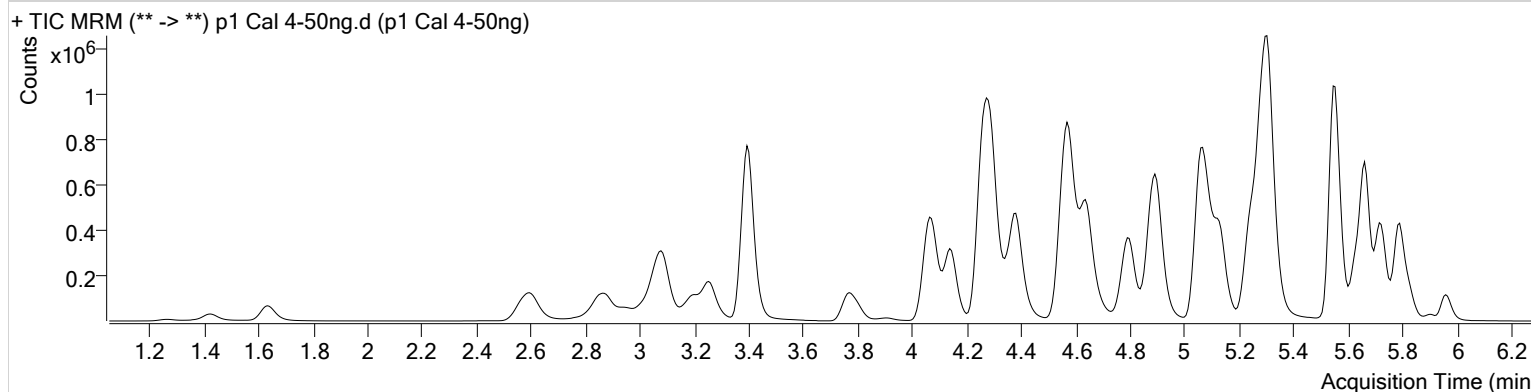
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Calibration Last Update 11/25/2019 12:42:18 PM

Instrument Falco **Data File** p1 Cal 4-50ng.d
Type Cal **Sample** p1 Cal 4-50ng
Acq. Method MDQ P1 Combined 092319.m **Operator** Sarah Pickle
Sample Position P2-E12 **Comment**
Injection Volume 2
Acq. Date-Time 11/24/2019 7:25:34 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.163	8769	6647.05	68.3	27089.85	34824	5.0059 ng/ml
7-aminoclonazepam	4.285	100056	24651.61	82.2	17737.14	77721	54.1971 ng/ml
a-hydroxyalprazolam	5.707	5080	76.34	69.3	232.72	5267	47.6903 ng/ml
alpha-PVP	4.384	639670	35540.10	50.5	805.89	569782	49.5924 ng/ml
Alprazolam	5.784	179539	862.09	102.0	2217.82	86190	51.1875 ng/ml
Amphetamine	3.088	647070	3758.27	56.1	34520.93	143713	54.6967 ng/ml
Benzoylcegonine	3.907	16191	1164.63	7.6	420.88	12528	50.8394 ng/ml
Buprenorphine	5.767	16895	269.34	17.2	73.46	116488	4.7348 ng/ml
Bupropion	4.800	576256	110024.77	57.3	2193.25	403322	51.0810 ng/ml
Carisoprodol	5.733	96017	24349.23	53.5	185.54	93114	50.3399 ng/ml
Citalopram	5.243	471730	363364.23	42.8	∞	435645	50.7514 ng/ml
Clonazepam	5.620	18580	2193.35	34.1	∞	6808	54.3900 ng/ml
Cocaine	4.291	613284	178926.95	43.5	16074.75	929498	50.3513 ng/ml
Codeine	2.617	62477	∞	101.4	208.26	54353	52.9863 ng/ml
Cyclobenzaprine	5.631	375555	19198.03	10.3	5788.87	264266	50.7109 ng/ml
Dextromethorphan	5.285	297212	259.99	80.4	17277.71	272854	49.9726 ng/ml
Dextrorphan	4.147	165746	359.19	210.1	541.43	440236	50.7832 ng/ml
Diazepam	5.961	106801	793.12	87.9	2861.44	104577	50.7457 ng/ml
Dihydrocodeine	2.595	178185	89538.95	66.3	19925.17	194573	54.2390 ng/ml
Diphenhydramine	5.313	1033089	19938.03	34.0	∞	1629559	48.6291 ng/ml
Doxylamine	4.574	1402101	6957.36	97.5	∞	1179395	49.9139 ng/ml
EDDP	5.278	506323	878.90	41.8	19313.20	556111	50.4517 ng/ml
Fentanyl	5.099	35999	1572.18	73.0	62110.92	379296	4.9601 ng/ml
Fluoxetine	5.716	381425	14591.81	8.9	∞	328176	50.1503 ng/ml
Hydrocodone	3.058	152612	222.30	43.3	∞	204312	51.2350 ng/ml
Hydromorphone	1.641	103760	1095.97	78.0	2693.68	78365	50.2582 ng/ml
Ketamine	4.067	496372	798.10	38.6	1982.30	468655	51.3552 ng/ml
Lamotrigine	4.308	45824	4735.29	77.6	6720.34	468655	53.7620 ng/ml
Lorazepam	5.755	7304	193.10	56.2	130.73	6808	52.8827 ng/ml
Meprobamate	4.929	24570	1936.55	25.3	114.52	23892	48.5093 ng/ml
Methadone	5.661	683504	807.45	51.3	36741.18	632280	50.1984 ng/ml
Methamphetamine	3.255	416189	3931.88	42.5	711.82	373059	53.8742 ng/ml
Metoprolol	4.340	120764	284943.15	94.7	8883.38	1208780	54.8261 ng/ml

AM #28 Multi-Drug Quant. Results

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Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.643	941547	23160.10	49.2	6953.02	569782	49.1649 ng/ml
Mitragynine	5.234	137967	12443.85	39.0	5968.98	632280	52.7729 ng/ml
Morphine	1.266	17818	3705.33	22.2	1924.89	3574	51.3031 ng/ml
Norbuprenorphine	5.010	405	42.70	61.8	10.72	3682	5.0472 ng/ml
Nordiazepam	5.908	25042	882.99	56.9	520.27	15435	51.3506 ng/ml
Norfentanyl	4.102	59730	3712.49	37.0	809.95	568369	4.9293 ng/ml
Norhydrocodone	3.100	4766	76.47	43.6	182.68	46332	44.4821 ng/ml
Noroxycodone	2.950	104376	1190.94	48.0	437.68	62561	51.5785 ng/ml
O-desmethyl-tramadol	3.401	1175625	1528.60	6.2	949.53	1291084	50.0515 ng/ml
Oxazepam	5.765	8568	109.21	72.7	56.60	10554	50.6542 ng/ml
Oxycodone	2.874	294973	1591.53	31.2	2786.76	270943	51.4666 ng/ml
Oxymorphone	1.423	59923	1325.26	48.0	952.58	44192	50.5685 ng/ml
Phentermine	3.798	160716	∞	2.1	74.28	377576	54.9555 ng/ml
Promethazine	5.556	889328	10826.48	30.2	921.68	814102	49.0754 ng/ml
Quetiapine	5.551	626797	53572.47	60.2	∞	175209	54.7809 ng/ml
Sertraline	5.791	241293	10553.18	91.5	20016.31	213715	49.4196 ng/ml
Temazepam	5.832	90717	1345.18	31.5	238.11	100304	48.5708 ng/ml
Tramadol	4.267	1137549	∞	3.3	2271.03	1208780	51.0835 ng/ml
Trazodone	5.126	649022	91526.30	78.7	54076.02	504119	48.3998 ng/ml
Venlafaxine	5.061	862719	874.75	37.0	497.45	939928	49.5699 ng/ml
Zolpidem	4.898	1071494	93377.36	31.1	378.02	1018056	51.8262 ng/ml

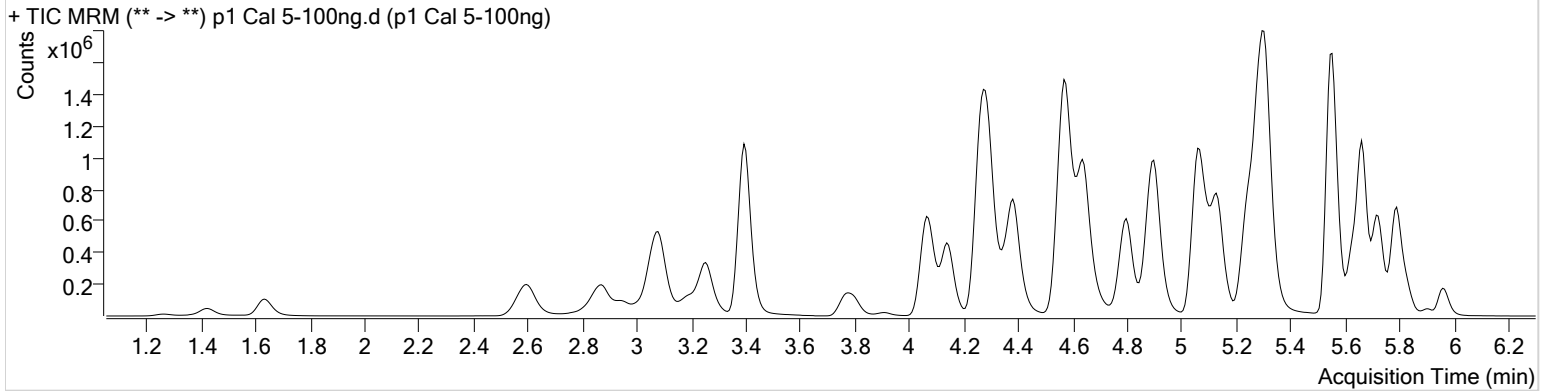
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Calibration Last Update 11/25/2019 12:42:18 PM

Instrument Falco **Data File** p1 Cal 5-100ng.d
Type Cal **Sample** p1 Cal 5-100ng
Acq. Method MDQ P1 Combined 092319.m **Operator** Sarah Pickle
Sample Position P2-D12 **Comment**
Injection Volume 2
Acq. Date-Time 11/24/2019 7:36:08 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.163	16522	66466.30	70.6	∞	33675	9.7348 ng/ml
7-aminoclonazepam	4.285	172141	19730.16	82.4	37287.13	69054	105.9735 ng/ml
a-hydroxyalprazolam	5.707	10022	317.92	68.1	∞	5067	97.8394 ng/ml
alpha-PVP	4.384	1213955	934.50	50.5	32669.03	551253	97.0063 ng/ml
Alprazolam	5.784	328417	7996.10	103.5	1277.90	83211	96.9424 ng/ml
Amphetamine	3.081	1186513	8644.76	55.9	845.28	141601	102.8449 ng/ml
Benzoylcegonine	3.907	30047	351.55	7.6	183.74	12075	99.2813 ng/ml
Buprenorphine	5.767	33736	663.89	15.8	631.78	112599	9.7926 ng/ml
Bupropion	4.800	1120419	716923.33	56.9	2006.88	397545	101.1142 ng/ml
Carisoprodol	5.733	171089	19471.65	55.4	207.70	88305	94.3965 ng/ml
Citalopram	5.243	888908	17418.70	42.8	9119.44	418646	99.8496 ng/ml
Clonazepam	5.620	34948	1290.22	32.7	488.48	6533	106.8192 ng/ml
Cocaine	4.291	1127959	74748.92	44.3	27459.64	876801	98.3522 ng/ml
Codeine	2.617	114903	132.73	101.0	197.43	50342	106.8148 ng/ml
Cyclobenzaprine	5.631	726820	∞	10.4	∞	262605	99.0052 ng/ml
Dextromethorphan	5.285	569708	890.95	79.7	55902.42	263300	99.4184 ng/ml
Dextrorphan	4.147	313578	69320.60	210.2	987.50	430195	98.4655 ng/ml
Diazepam	5.968	199163	1154.12	87.5	5656.57	99295	99.7558 ng/ml
Dihydrocodeine	2.595	328823	254.62	67.9	9250.84	187168	104.9851 ng/ml
Diphenhydramine	5.313	1968137	62022.82	33.8	18228.89	1567081	95.8853 ng/ml
Doxylamine	4.574	2720439	5930.60	97.9	3959.16	1155124	99.0403 ng/ml
EDDP	5.278	971672	21984.52	42.4	444.47	546013	98.7228 ng/ml
Fentanyl	5.106	70229	1705.82	72.4	349742.85	374134	9.8047 ng/ml
Fluoxetine	5.722	744905	13684.13	9.1	6690.80	328893	97.6797 ng/ml
Hydrocodone	3.058	289418	∞	43.4	∞	197507	101.0762 ng/ml
Hydromorphone	1.634	198284	767.61	76.2	772.81	74660	101.1115 ng/ml
Ketamine	4.067	926052	49971.14	38.8	2033.59	447844	100.7162 ng/ml
Lamotrigine	4.308	79608	9185.58	79.8	5510.37	447844	99.1058 ng/ml
Lorazepam	5.755	13218	227.30	57.0	97.49	6533	99.6030 ng/ml
Meprobamate	4.929	45592	469.75	25.7	424.25	22447	95.4368 ng/ml
Methadone	5.661	1338780	2045.41	51.2	1194.41	632891	98.0631 ng/ml
Methamphetamine	3.255	864855	718.12	42.9	2474.13	401765	105.1398 ng/ml
Metoprolol	4.346	216730	10557.74	96.5	∞	1166916	102.7242 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.643	1836436	5206.59	48.7	3984.28	551253	98.7645 ng/ml
Mitragynine	5.234	261189	84126.01	40.4	10577.82	632891	100.5762 ng/ml
Morphine	1.266	32675	740.28	22.6	1579.42	3481	97.1450 ng/ml
Norbuprenorphine	5.003	758	414.60	74.1	65.12	3857	9.7997 ng/ml
Nordiazepam	5.908	46627	960.46	58.1	272.62	15290	96.7587 ng/ml
Norfentanyl	4.102	114681	9625.16	37.7	174.07	553068	9.7170 ng/ml
Norhydrocodone	3.100	11180	147.34	38.8	94.94	46943	101.1268 ng/ml
Noroxycodone	2.943	196474	824.88	47.7	507.46	60059	101.3899 ng/ml
O-desmethyl-tramadol	3.394	2227583	64135.26	6.2	1638.02	1243820	98.6518 ng/ml
Oxazepam	5.765	15453	412.04	68.1	∞	9729	100.1754 ng/ml
Oxycodone	2.868	558323	12426.58	31.3	1023.92	265584	99.7526 ng/ml
Oxymorphone	1.423	110928	523.40	46.8	1168.65	40358	103.1927 ng/ml
Phentermine	3.798	306924	∞	2.0	452.72	380011	105.0120 ng/ml
Promethazine	5.548	1718650	2460.41	30.0	22000.63	795715	96.6948 ng/ml
Quetiapine	5.551	1174723	19441.36	59.8	37154.09	170580	106.4795 ng/ml
Sertraline	5.791	454085	36895.31	90.6	814.27	202474	98.0820 ng/ml
Temazepam	5.832	172295	8227.27	30.4	130.34	96732	95.7957 ng/ml
Tramadol	4.267	2138213	57804.17	3.4	402.82	1166916	100.3117 ng/ml
Trazodone	5.133	1256530	1168.52	78.3	197842.90	492581	95.8143 ng/ml
Venlafaxine	5.061	1645305	40745.55	37.4	1502.11	915564	96.7341 ng/ml
Zolpidem	4.898	2015426	166867.54	31.3	1973.23	988816	100.6640 ng/ml

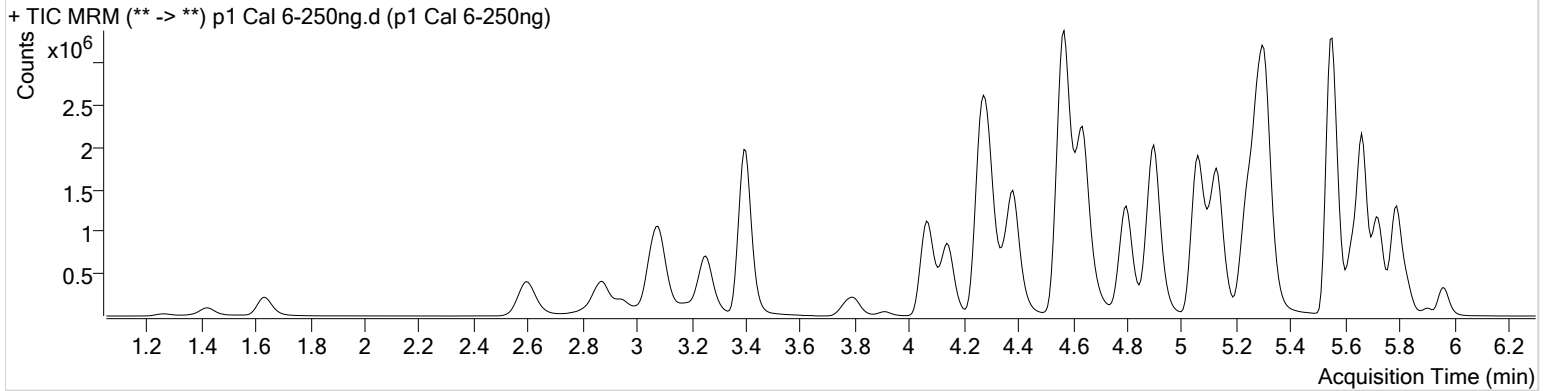
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Calibration Last Update 11/25/2019 12:42:18 PM

Instrument Falco **Data File** p1 Cal 6-250ng.d
Type Cal **Sample** p1 Cal 6-250ng
Acq. Method MDQ P1 Combined 092319.m **Operator** Sarah Pickle
Sample Position P2-C12 **Comment**
Injection Volume 2
Acq. Date-Time 11/24/2019 7:46:44 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.163	38479	∞	72.2	2236.09	30725	24.8182 ng/ml
7-aminoclonazepam	4.285	321538	20060.80	82.7	19138.29	54912	250.4076 ng/ml
a-hydroxyalprazolam	5.707	23700	899.58	64.1	74.45	4341	270.1666 ng/ml
alpha-PVP	4.384	2859664	138939.76	51.0	81787.25	510987	246.0840 ng/ml
Alprazolam	5.784	736427	∞	103.2	1599.84	72681	248.7988 ng/ml
Amphetamine	3.081	2570887	38416.84	54.1	22747.91	130362	243.7085 ng/ml
Benzoylcegonine	3.907	79290	321.56	7.4	379.92	12563	254.1413 ng/ml
Buprenorphine	5.767	71597	∞	17.1	2228.10	95227	24.5906 ng/ml
Bupropion	4.800	2631474	194380.58	57.4	21751.22	374185	252.8521 ng/ml
Carisoprodol	5.739	363204	∞	53.5	218.90	70286	251.4139 ng/ml
Citalopram	5.243	2016718	78863.98	42.2	854.21	375311	253.2214 ng/ml
Clonazepam	5.614	79439	4029.02	33.5	1641.22	6322	251.1908 ng/ml
Cocaine	4.291	2577588	207919.80	43.4	49814.46	779814	253.0022 ng/ml
Codeine	2.617	254674	∞	101.1	12137.46	45045	266.9880 ng/ml
Cyclobenzaprine	5.631	1669755	47398.58	10.2	911.45	235836	253.6646 ng/ml
Dextromethorphan	5.285	1285300	26537.18	78.6	30552.72	236902	249.5215 ng/ml
Dextrophan	4.140	744510	33553.43	210.0	42133.14	402256	250.2573 ng/ml
Diazepam	5.961	453397	3349.33	86.8	2214.38	89738	251.4232 ng/ml
Dihydrocodeine	2.595	752192	∞	67.2	13709.01	178576	253.1326 ng/ml
Diphenhydramine	5.313	4450517	395907.00	33.7	59446.94	1377806	245.8867 ng/ml
Doxylamine	4.568	6672449	172917.77	97.5	14873.12	1115892	251.7074 ng/ml
EDDP	5.278	2357056	134572.23	42.4	23219.02	520040	251.6208 ng/ml
Fentanyl	5.099	171634	7212.60	74.1	390.94	360657	24.8492 ng/ml
Fluoxetine	5.716	1771592	20047.70	9.0	383.86	305119	250.3319 ng/ml
Hydrocodone	3.052	686569	234.79	41.7	230.06	190255	249.7754 ng/ml
Hydromorphone	1.634	474396	4304.30	76.2	2357.29	70372	257.1127 ng/ml
Ketamine	4.067	2168661	993.30	39.2	∞	420531	251.8916 ng/ml
Lamotrigine	4.308	157972	14751.66	79.1	4918.76	420531	211.2972 ng/ml
Lorazepam	5.755	31531	1537.10	58.2	116.81	6322	245.3014 ng/ml
Meprobamate	4.929	104417	12731.00	25.7	4121.18	20301	241.0957 ng/ml
Methadone	5.661	3154833	73156.36	51.3	50623.35	595521	245.3265 ng/ml
Methamphetamine	3.255	1950436	2611.79	42.8	10006.80	377718	253.9937 ng/ml
Metoprolol	4.340	459492	∞	96.0	∞	1105886	230.9588 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.636	4384727	∞	49.2	8510.75	510987	253.8492 ng/ml
Mitragynine	5.234	626125	34990.18	39.2	24527.48	595521	257.5642 ng/ml
Morphine	1.266	76086	992.48	21.7	593.63	3238	244.0736 ng/ml
Norbuprenorphine	5.003	1832	167.33	80.9	205.76	3874	25.0025 ng/ml
Nordiazepam	5.908	109287	9012.50	57.7	1010.70	13849	250.8222 ng/ml
Norfentanyl	4.102	273254	17825.26	37.4	331.43	516576	24.7737 ng/ml
Norhydrocodone	3.100	28454	1083.84	40.0	454.76	45009	266.0930 ng/ml
Noroxycodone	2.943	447403	833.60	46.6	553.86	55781	248.9768 ng/ml
O-desmethyl-tramadol	3.401	5276664	99191.23	6.1	12345.89	1156996	251.5571 ng/ml
Oxazepam	5.765	38326	236.40	71.5	607.19	9332	260.8256 ng/ml
Oxycodone	2.868	1351178	5156.26	31.1	3990.02	256001	251.0477 ng/ml
Oxymorphone	1.423	264025	840.15	46.8	368.86	38000	261.8707 ng/ml
Phentermine	3.798	669799	6828.76	2.0	∞	347014	252.0956 ng/ml
Promethazine	5.548	4146673	2431.27	29.5	21322.19	749291	247.2174 ng/ml
Quetiapine	5.551	2602490	96949.13	58.8	67180.97	159599	253.6405 ng/ml
Sertraline	5.791	961933	40243.95	90.9	43370.49	168592	249.4032 ng/ml
Temazepam	5.832	411634	4648.81	30.9	∞	88165	251.3408 ng/ml
Tramadol	4.267	4868736	112121.38	3.4	1635.74	1105886	242.2706 ng/ml
Trazodone	5.126	3065161	140376.22	78.3	221891.61	462977	248.5356 ng/ml
Venlafaxine	5.061	3901932	4493.78	37.1	15676.69	862625	242.9872 ng/ml
Zolpidem	4.898	4771361	937286.56	31.1	1051.36	947417	249.1972 ng/ml

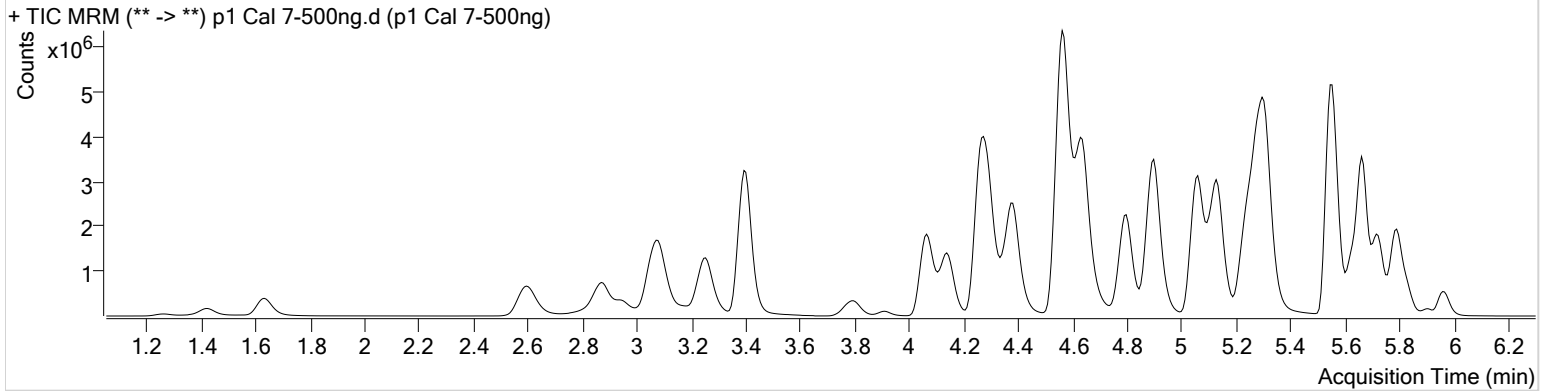
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Calibration Last Update 11/25/2019 12:42:18 PM

Instrument	Falco	Data File	p1 Cal 7-500ng.d
Type	Cal	Sample	p1 Cal 7-500ng
Acq. Method	MDQ P1 Combined 092319.m	Operator	Sarah Pickle
Sample Position	P2-B12	Comment	
Injection Volume	2		
Acq. Date-Time	11/24/2019 7:57:17 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.163	73522	1303.48	71.2	54894.72	28495	51.1105 ng/ml
7-aminoclonazepam	4.285	428850	∞	85.1	18789.07	39679	463.1206 ng/ml
a-hydroxyalprazolam	5.707	45134	1483.74	66.6	1244.76	4423	504.9714 ng/ml
alpha-PVP	4.384	5296544	144351.66	50.1	5615.89	467796	497.5784 ng/ml
Alprazolam	5.784	1264756	∞	103.3	15897.79	62409	497.5783 ng/ml
Amphetamine	3.081	4165074	40338.57	54.1	31603.11	121848	423.3136 ng/ml
Benzoylcegonine	3.907	171654	22871.06	7.3	1042.97	12766	543.1164 ng/ml
Buprenorphine	5.767	113489	2266.43	15.8	41031.83	71670	51.8035 ng/ml
Bupropion	4.800	4790724	337219.46	57.1	114759.98	346109	498.0226 ng/ml
Carisoprodol	5.739	595017	28478.40	53.2	428.21	58052	498.4751 ng/ml
Citalopram	5.236	3312370	136400.40	42.5	75881.50	313586	498.1035 ng/ml
Clonazepam	5.614	140486	7374.62	33.4	284.38	6064	463.3054 ng/ml
Cocaine	4.284	4473607	208693.34	43.1	69451.62	682063	502.2231 ng/ml
Codeine	2.617	440488	7071.81	100.8	∞	41193	506.4183 ng/ml
Cyclobenzaprine	5.631	2783785	294547.44	10.4	8472.85	199451	500.3033 ng/ml
Dextromethorphan	5.285	2106488	189169.80	79.3	45722.31	194526	498.1812 ng/ml
Dextrorphan	4.140	1351066	54387.39	210.1	65527.49	364460	501.3960 ng/ml
Diazepam	5.961	799729	7705.88	87.7	4755.29	80525	494.3061 ng/ml
Dihydrocodeine	2.588	1337787	28263.52	67.5	540.92	170383	472.7258 ng/ml
Diphenhydramine	5.313	7505491	464393.39	33.4	∞	1155689	493.9034 ng/ml
Doxylamine	4.561	13007065	187388.38	97.0	6026.99	1072528	510.6766 ng/ml
EDDP	5.278	4357825	1351.89	42.5	85938.65	486923	496.9608 ng/ml
Fentanyl	5.099	303922	57675.48	75.9	36705.04	319593	49.6501 ng/ml
Fluoxetine	5.716	3003560	275583.05	8.8	10944.68	261219	495.6897 ng/ml
Hydrocodone	3.052	1289034	213.47	42.0	236.75	184287	484.6924 ng/ml
Hydromorphone	1.634	867739	4788.93	79.3	3479.67	67733	488.8895 ng/ml
Ketamine	4.067	4018238	1967.03	38.4	4009.11	397002	494.8408 ng/ml
Lamotrigine	4.308	226949	19295.03	79.2	15309.24	397002	322.4201 ng/ml
Lorazepam	5.755	66481	1979.86	56.9	255.92	6064	539.0226 ng/ml
Meprobamate	4.929	185639	74003.64	25.6	1365.17	16480	527.5677 ng/ml
Methadone	5.661	5713425	84856.40	51.6	100618.82	528714	500.2471 ng/ml
Methamphetamine	3.255	3728758	29180.42	43.2	1820.37	388388	473.3307 ng/ml
Metoprolol	4.340	726034	22465.21	96.0	9900.09	929150	435.1686 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.636	8055551	281970.98	49.0	12117.73	467796	509.0782 ng/ml
Mitragynine	5.234	1088029	29466.53	39.6	49834.72	528714	504.9523 ng/ml
Morphine	1.266	141565	11037.16	21.7	1903.38	2922	503.8933 ng/ml
Norbuprenorphine	5.003	3374	84.20	79.9	84.87	3636	50.0238 ng/ml
Nordiazepam	5.908	203855	8423.22	57.7	833.36	12916	501.9164 ng/ml
Norfentanyl	4.102	499920	10914.52	37.6	5157.37	457917	51.1194 ng/ml
Norhydrocodone	3.100	54611	332.94	40.2	403.93	39555	579.4483 ng/ml
Noroxycodone	2.943	811875	1510.56	47.7	2854.32	51709	487.6384 ng/ml
O-desmethyl-tramadol	3.394	9856509	141052.01	6.0	67158.56	1077118	504.9598 ng/ml
Oxazepam	5.758	79763	357.97	68.2	107.22	10324	491.6707 ng/ml
Oxycodone	2.868	2605955	12456.20	31.3	16412.78	250577	495.0523 ng/ml
Oxymorphone	1.423	489693	∞	47.2	1270.67	37988	486.4218 ng/ml
Phentermine	3.798	1172220	∞	2.0	475.49	330917	463.3394 ng/ml
Promethazine	5.548	7239151	2733.52	29.3	3641.73	650058	497.1199 ng/ml
Quetiapine	5.551	4288644	1934.49	59.0	4745.02	142426	469.3105 ng/ml
Sertraline	5.791	1436501	28146.07	91.1	37096.92	126885	494.7881 ng/ml
Temazepam	5.832	787318	15552.28	30.4	3125.42	82819	511.9122 ng/ml
Tramadol	4.260	8592777	406065.82	3.3	∞	929150	509.8960 ng/ml
Trazodone	5.126	5540328	2616628.36	78.4	∞	406992	510.9375 ng/ml
Venlafaxine	5.061	7334252	2405.86	36.5	24886.33	797517	493.6745 ng/ml
Zolpidem	4.898	8949744	∞	30.7	∞	896235	494.4321 ng/ml

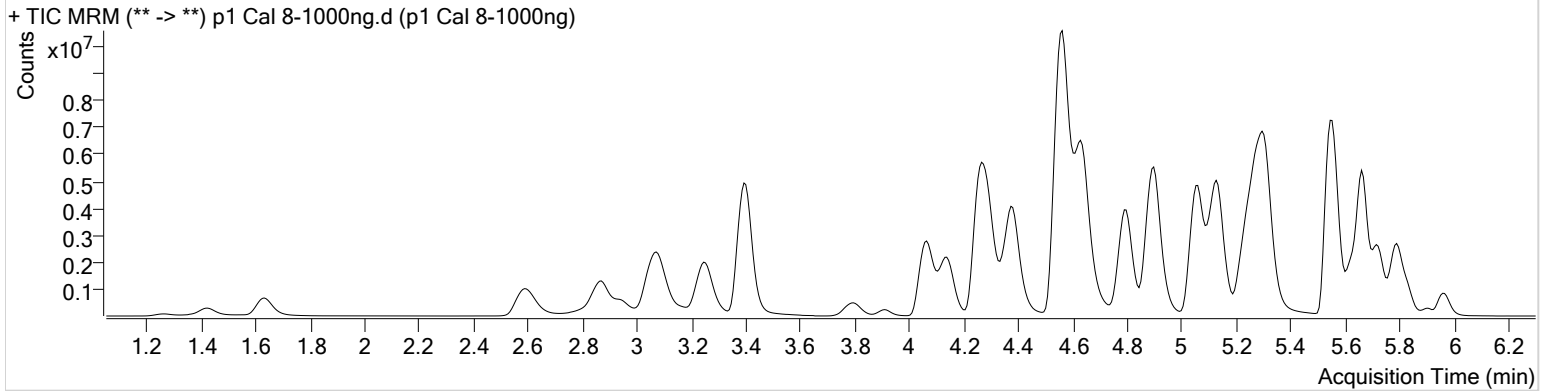
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2019\AM 28\112419 THCQ MDQ SP\QuantResults\MDQ.batch.bin
Calibration Last Update 11/25/2019 12:42:18 PM

Instrument Falco **Data File** p1 Cal 8-1000ng.d
Type Cal **Sample** p1 Cal 8-1000ng
Acq. Method MDQ P1 Combined 092319.m **Operator** Sarah Pickle
Sample Position P2-A12 **Comment**
Injection Volume 2
Acq. Date-Time 11/24/2019 8:07:53 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.163	135146	217275.77	71.7	348508.70	25390	105.4203 ng/ml
7-aminoclonazepam	4.285	492865	17536.43	82.9	32165.42	24436	865.2345 ng/ml
a-hydroxyalprazolam	5.707	85307	1345.13	65.4	678.16	4308	980.0902 ng/ml
alpha-PVP	4.384	9159074	125608.12	50.2	2154.02	398489	1009.7983 ng/ml
Alprazolam	5.790	1996091	∞	102.6	∞	48736	1005.5618 ng/ml
Amphetamine	3.081	5966279	35355.39	53.3	185314.24	104086	710.6840 ng/ml
Benzoylcegonine	3.907	398474	31882.19	7.6	∞	12388	1301.3791 ng/ml
Buprenorphine	5.767	154114	3274.69	15.7	14452.43	46047	109.5032 ng/ml
Bupropion	4.800	8783544	420634.25	57.0	125891.17	317019	997.2515 ng/ml
Carisoprodol	5.739	845710	61035.56	53.5	4675.95	39754	1034.3523 ng/ml
Citalopram	5.236	4764625	304772.56	42.3	560.87	225158	998.2280 ng/ml
Clonazepam	5.614	224980	12911.36	33.3	6723.20	5063	888.7824 ng/ml
Cocaine	4.284	6852081	467942.71	43.8	181183.79	526768	996.2030 ng/ml
Codeine	2.617	690930	524.54	104.2	8789.40	33878	967.3227 ng/ml
Cyclobenzaprine	5.631	4134308	1848.04	10.4	942.25	147911	1002.1820 ng/ml
Dextromethorphan	5.285	2970770	∞	79.2	48897.39	136299	1002.8803 ng/ml
Dextrorphan	4.140	2274917	108261.67	212.2	174073.88	307936	999.3687 ng/ml
Diazepam	5.968	1326382	16009.17	87.1	∞	65293	1011.1820 ng/ml
Dihydrocodeine	2.588	2222576	122570.50	67.5	40448.33	155437	861.7301 ng/ml
Diphenhydramine	5.313	11233327	198625.51	33.2	75199.86	840643	1015.7632 ng/ml
Doxylamine	4.561	22983558	263434.31	97.5	∞	978915	988.8130 ng/ml
EDDP	5.271	8141013	109414.42	41.6	62146.28	438720	1030.5206 ng/ml
Fentanyl	5.099	512669	4572.68	76.9	5392.18	253981	105.3822 ng/ml
Fluoxetine	5.716	4561577	89560.44	8.9	4741.88	195417	1006.2566 ng/ml
Hydrocodone	3.052	2297007	∞	42.0	215.67	167084	953.1965 ng/ml
Hydromorphone	1.634	1555208	∞	76.6	∞	60674	978.4549 ng/ml
Ketamine	4.067	6789612	14976.22	38.4	11022.61	346679	957.9469 ng/ml
Lamotrigine	4.308	263581	21617.91	81.6	7216.58	346679	429.3689 ng/ml
Lorazepam	5.755	139220	3179.03	57.0	∞	5063	1351.6457 ng/ml
Meprobamate	4.929	300795	15958.54	25.9	2742.83	12781	1101.8410 ng/ml
Methadone	5.661	9378572	696069.04	51.0	71652.02	431271	1006.5138 ng/ml
Methamphetamine	3.249	6055997	77603.36	42.7	32929.32	350447	853.0004 ng/ml
Metoprolol	4.340	1039455	4949.47	95.2	∞	775583	747.0529 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.636	13768828	865322.86	49.0	8331.60	398489	1021.1220 ng/ml
Mitragynine	5.227	1729295	57567.88	40.6	1017689.95	431271	984.7128 ng/ml
Morphine	1.266	251570	12519.04	21.5	2377.50	2719	962.8687 ng/ml
Norbuprenorphine	5.003	6608	390.16	80.7	189.17	3563	101.0006 ng/ml
Nordiazepam	5.908	371941	8006.49	56.9	9279.24	11540	1025.2170 ng/ml
Norfentanyl	4.102	851924	5875.07	37.7	7789.70	375878	106.1169 ng/ml
Norhydrocodone	3.100	96173	912.99	41.5	∞	31953	1261.5199 ng/ml
Noroxycodone	2.943	1394287	565.35	47.6	339.82	43848	987.8579 ng/ml
O-desmethyl-tramadol	3.394	16923529	371866.56	6.0	21887.20	915707	1020.0604 ng/ml
Oxazepam	5.758	166527	1940.22	70.4	206.55	10958	968.2009 ng/ml
Oxycodone	2.868	4886899	14666.94	31.0	7026.24	237513	979.8163 ng/ml
Oxymorphone	1.423	907640	∞	46.5	532.54	36077	949.9752 ng/ml
Phentermine	3.798	1856096	∞	2.0	1308.21	286272	848.7494 ng/ml
Promethazine	5.548	11400159	5963.14	29.4	15663.42	503789	1009.7991 ng/ml
Quetiapine	5.551	6325210	104131.40	59.1	171176.87	119964	822.6045 ng/ml
Sertraline	5.798	1909138	29023.86	90.8	993.35	82729	1008.4729 ng/ml
Temazepam	5.832	1440563	20572.57	30.1	7342.25	72641	1068.0439 ng/ml
Tramadol	4.260	13540444	49062.12	3.3	∞	775583	963.3770 ng/ml
Trazodone	5.126	9564739	∞	78.3	333987.30	321827	1115.3952 ng/ml
Venlafaxine	5.054	12665381	7710.05	36.2	12509.46	668237	1017.0985 ng/ml
Zolpidem	4.898	15527866	∞	30.5	3155.76	800262	961.0225 ng/ml