

4/1/2021

REVIEWED

By Britany Wylie at 1:19 pm, Apr 05, 2021

Worklist: 4877

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
C2021-0535	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2021-0565	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2021-0574	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
C2021-0577	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2021-0582	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2021-0605	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
C2021-0614	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2021-0623	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
C2021-0632	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
C2021-0634	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2021-0652	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2021-0662	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2021-0668	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ	
C2021-0678	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2021-0699	4	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

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

Extraction Date 3/30/21 Analyst: Anne Nord
Plate lot#: 201207 (part IDP-121) Plate Expiration: 06/07/21

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: 20J20793 **Urine Blank lot:** 2121

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

LCMS-QQQ ID: 69679

Pre-Analytic:

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

Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Urine hydrolysis pipette 250 ul urine in blank well, add 40 ul BG Turbo, add 100 ul 500 mm sodium phosphate buffer, mix for at least 5 minutes at ambient temperature. Pipette 250µL blood (calibrated pipette) Pipette ID: 1926134 or 250µL hydrolyzed urine in wells of analytical (standards) plate.
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 4. Pipette 250µL 0.5M ammonium hydroxide in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer 300µL of blood+base/urine+base mixture to corresponding wells of SLE+ plate.
- 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent).
(Load at 85-100 PSI- Selector to the right) Manifold ID: 66792
- 8. Wait 5 minutes.
- 9. Add 900uL ethyl acetate.
- 10. Wait 5 minutes.
- 11. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left).*
- 12. Add 900uL ethyl acetate.
- 13. Wait 5 minutes.
- 14. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left).*
- 15. Remove plate containing eluate. Add 50 ul 1% HCl in MeOH, Place on SPE Dry and evaporate to dryness at approx. 35°C.
SPE Dry ID: 66819
- 16. Reconstitute in 100µL 20% MeOH and heat seal plate with foil.

Post-Analytic

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

COMMENTS:

Levetiracetam not evaluated in urine, retention time shifted outside accepted window in the urine control and it does not have a matched internal standard to compare.

*Curve limits: Amphetamine 5-250, Benzoylcegonine 10-1000, buprenorphine 2.5-100, lorazepam 10-1000, MDA 5-500
Methamphetamine 5-500, Metoprolol 5-500, norbuprenorphine 2.5-100, quetiapine 5-500, trazodone 5-500, dihydrocodeine 5-500
Hydromorphone- used morphine-D6 as internal standard – report qualitative only.*

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	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1	634-1	574-1								
B	IS + Cal. 2	IS + QC_2	582-1	605-1								
C	IS + Cal. 3	qc3	678-1	623-1								
D	IS + Cal. 4	IS + QC_4	614-1	632-1								
E	IS + Cal. 5	Qc 2 urine	652-1	668-1								
F	IS + Cal. 6	535-1	662-1	negative blood								
G	IS + Cal. 7	577-1	699-4									
H	IS + Cal. 8	565-1	negative urine									

Run blanks before

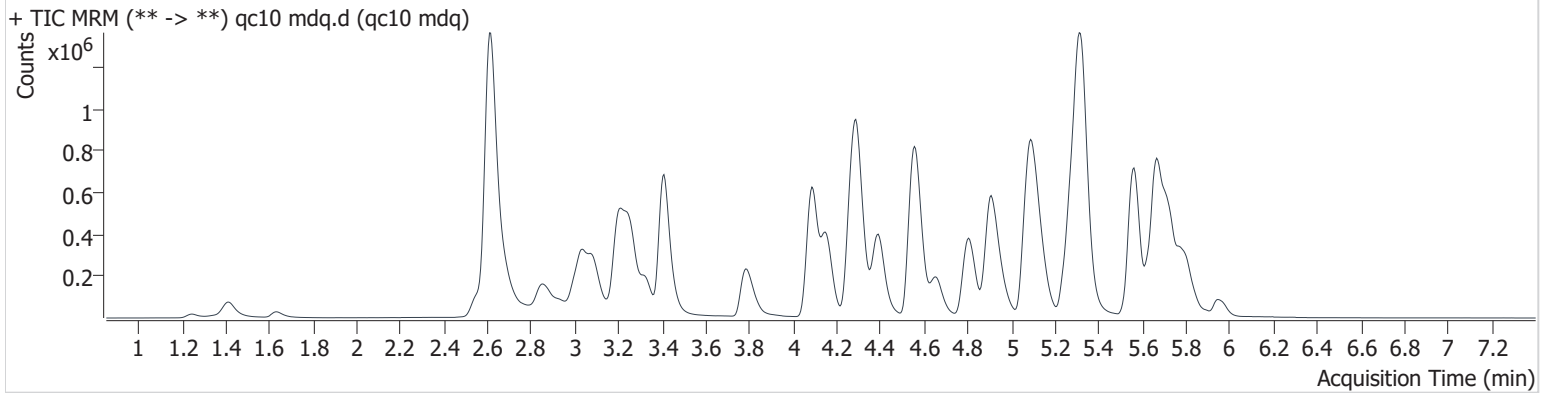
c2021-0__-__

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin
Calibration Last Update 4/1/2021 3:32:13 PM

Instrument	69679	Data File	qc10 mdq.d
Type	QC	Sample	qc10 mdq
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P2-A2	Comment	
Injection Volume	3		
Acq. Date-Time	3/30/2021 4:59:30 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.181	3646	∞	136.6	5915.6	95075	1.030 ng/ml
7-aminoclonazepam	4.313	46753	177651.3	72.8	27962.5	177728	9.730 ng/ml
a-hydroxyalprazolam	5.717	3893	∞	47.0	∞	14122	11.439 ng/ml
alpha-PHP	4.961	184415	20704.0	38.7	6116.5	1174085	9.848 ng/ml
alpha-PVP	4.403	237255	25190.3	52.9	17035.6	1008272	10.287 ng/ml
Alprazolam	5.791	84361	5003.3	87.6	1320.2	289436	10.209 ng/ml
Amphetamine	3.088	364292	3690.6	44.5	2055.0	619659	9.890 ng/ml
Benzoylcegonine	3.921	3190	∞	18.7	∞	11391	10.107 ng/ml
Buprenorphine	5.695	2911	35963.7	9.8 Low	1437.5	114800	1.157 ng/ml ocr
Bupropion	4.821	242597	39171.6	66.8	42260.4	1174085	9.797 ng/ml
Carisoprodol	5.746	51504	∞	58.0	690.1	204189	9.809 ng/ml
Citalopram	5.253	172784	5325.9	40.0	17120.0	808809	9.421 ng/ml
Clonazepam	5.639	8104	702575.0	30.8	6277.6	14122	10.291 ng/ml
Clonazepam	5.581	18970	∞	36.2	∞	289436	10.488 ng/ml
Cocaine	4.296	183201	∞	46.7	5940.6	1547333	9.872 ng/ml
Codeine	2.628	26261	25502.0	87.3	2579.0	124926	10.268 ng/ml
Cyclobenzaprine	5.647	216711	2260.6	10.3	31683.9	773886	9.801 ng/ml
Dextromethorphan	5.297	137640	12349.8	75.8	2282.8	652242	10.050 ng/ml
Dextrophan	4.154	173263	22445.3	44.9	12513.1	950581	10.125 ng/ml
Diazepam	5.958	44287	∞	87.0	2051.6	216942	9.907 ng/ml
Dihydrocodeine	2.587	68993	2433.7	56.5	122.1	410405	10.392 ng/ml
Diphenhydramine	5.329	561616	43533.0	31.1	196909.6	2895325	9.877 ng/ml
Doxylamine	4.571	588955	13387.3	81.5	8091.6	2396211	9.422 ng/ml
EDDP	5.291	262306	8814.6	43.1	124863.7	1317674	9.652 ng/ml
Etizolam	5.831	41716	∞	24.0	∞	216942	8.187 ng/ml
Fentanyl	5.123	17788	4150.2	130.5	34536.3	857408	1.004 ng/ml
Flualprazolam	5.727	33353	∞	92.1	787.4	289436	10.025 ng/ml
Fluoxetine	5.723	226204	4127.9	7.6	78636.8	888930	9.823 ng/ml
Hydrocodone	3.064	73023	9162.2	38.7	∞	887651	8.968 ng/ml
Hydromorphone	1.633	63648	1435.2	68.1	2231.1	14515	9.488 ng/ml
Ketamine	4.093	160575	142339.0	38.1	6838.0	837600	9.457 ng/ml
Lamotrigine	4.329	15966	77041.5	89.2	3702.4	888930	11.163 ng/ml
Levetiracetam	2.692	66103	4847.1	221.4	9540.8	619659	9.228 ng/ml

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AM #28 Multi-Drug Quant. Results

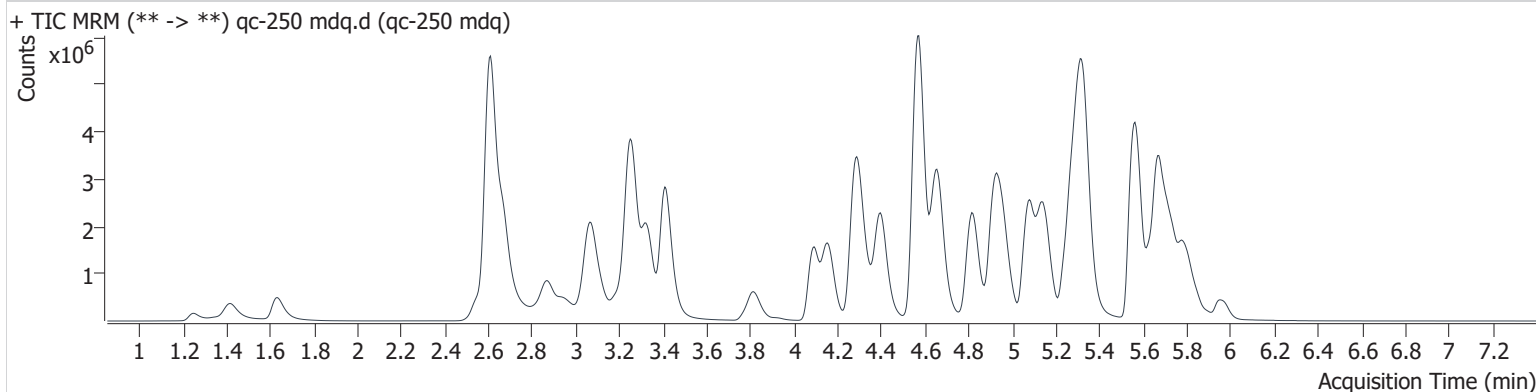
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.759	2517	1228.5	49.8	33.1	10881	10.874 ng/ml
MDA	3.240	187353	5181.2	25.8	1026.6	622775	10.140 ng/ml
MDMA	3.333	168305	21781.0	98.0	7757375.4	189739	9.991 ng/ml
Meprobamate	4.951	18875	435885.4	29.5	766.8	66948	9.830 ng/ml
Methadone	5.676	304760	116120.5	55.1	2752.3	1586424	9.345 ng/ml
Methamphetamine	3.262	493241	1534.1	40.2	2201.3	1478795	8.611 ng/ml
Metoprolol	4.360	51249	37130.8	94.3	∞	4457687	10.940 ng/ml
Mirtazapine	4.660	416657	11204.1	47.8	6806.8	1586424	11.609 ng/ml
Mitragynine	5.252	70977	36468.2	30.7	19242.1	888930	8.935 ng/ml
Morphine	1.251	11193	∞	17.4	12366.1	14515	8.381 ng/ml ^{4/2/21} ★
Norbuprenorphine	5.034	199	1677.2	100.5	20.5	13838	0.887 ng/ml ocr
Nordiazepam	5.912	9562	78361.5	65.3	8844.1	37669	9.367 ng/ml
Norfentanyl	4.119	11135	2020.5	37.1	∞	1388031	0.948 ng/ml
Norhydrocodone	3.106	7838	∞	23.4	∞	187234	8.856 ng/ml
Noroxycodone	2.951	50266	2047.2	43.3	543.5	186029	9.271 ng/ml
O-desmethyl-tramadol	3.414	392887	42284.1	6.1	10550.0	2016422	9.686 ng/ml
Oxazepam	5.771	3099	4527.0	73.9	215.8	10881	10.973 ng/ml
Oxycodone	2.878	143930	∞	29.1	∞	597229	9.679 ng/ml
Oxymorphone	1.414	72893	∞	43.6	∞	299791	9.480 ng/ml
Phentermine	3.816	69510	825.4	9.9	1062.8	852153	10.332 ng/ml
Promethazine	5.568	277547	11357.1	39.7	3292.1	1466332	10.160 ng/ml
Pseudoephedrine	2.621	929432	10597.8	24.7	12188.1	4457687	10.041 ng/ml
Quetiapine	5.554	294648	56235.9	59.8	∞	426256	10.242 ng/ml
Sertraline	5.791	84927	175187.6	94.3	27914.1	369397	9.661 ng/ml
Temazepam	5.838	30717	1769.4	32.1	1551.7	145039	10.197 ng/ml
Tramadol	4.282	379957	10537.7	3.5	339.4	1784825	10.013 ng/ml
Trazodone	5.144	225028	12250.4	78.5	5900.3	983805	9.619 ng/ml
Venlafaxine	5.078	273729	14600.1	41.4	5397.2	1834349	9.187 ng/ml
Zolpidem	4.922	393082	41773.3	29.7	20022.0	1814139	9.322 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin
Calibration Last Update 4/1/2021 3:32:13 PM

Instrument	69679	Data File	qc-250 mdq.d
Type	QC	Sample	qc-250 mdq
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P2-C2	Comment	
Injection Volume	3		
Acq. Date-Time	3/30/2021 5:08:33 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.176	65697	105639.7	142.1	149771.9	72410	24.445 ng/ml
7-aminoclonazepam	4.313	509047	46681.3	78.3	23622.3	82566	236.429 ng/ml
a-hydroxyalprazolam	5.717	48476	1250.2	55.3	823.5	9773	248.516 ng/ml
alpha-PHP	4.966	3420074	∞	39.5	291871.9	961755	249.477 ng/ml
alpha-PVP	4.401	4662872	897734.5	53.0	63093.9	795249	239.444 ng/ml
Alprazolam	5.786	1232372	4083.7	87.4	2985.5	178601	248.137 ng/ml
Amphetamine	3.073	5389719	82688.9	44.4	38513.0	488693	217.300 ng/ml
Benzoylcegonine	3.926	70963	833345.1	16.2	58661.4	10966	231.480 ng/ml
Buprenorphine	5.700	43109	∞	16.8	16894.0	71907	22.733 ng/ml
Bupropion	4.821	5093870	7611177.9	65.8	51072.1	961755	245.445 ng/ml
Carisoprodol	5.746	708825	68808639.3	57.2	186404.2	109363	249.974 ng/ml
Citalopram	5.253	2762262	49184.2	42.6	35394.2	509715	247.389 ng/ml
Clonazepam	5.634	132244	∞	31.1	540234.6	9773	248.428 ng/ml
Clonazepam	5.591	303254	180532.7	38.6	∞	178601	280.036 ng/ml
Cocaine	4.296	3135061	336354.2	45.9	162624.6	1066231	249.571 ng/ml
Codeine	2.583	389347	21366.7	90.8	65138.9	82792	250.645 ng/ml
Cyclobenzaprine	5.636	3720070	217321.8	9.8	721506.8	530835	245.715 ng/ml
Dextromethorphan	5.297	2197573	240001.1	74.0	∞	410227	249.071 ng/ml
Dextrophan	4.159	3388683	625447.8	45.1	115226.7	742633	243.293 ng/ml
Diazepam	5.958	809812	14211.7	84.3	7870.1	155383	250.094 ng/ml
Dihydrocodeine	2.551	1248239	8727.7	59.0	7985.9	323742	264.197 ng/ml
Diphenhydramine	5.329	9795283	221167.0	29.7	64099.0	1911708	235.650 ng/ml
Doxylamine	4.570	12438716	1095467.9	83.5	4599382.6	1991203	255.138 ng/ml
EDDP	5.286	5371424	∞	42.4	1795771.8	1050324	243.593 ng/ml
Etizolam	5.831	674365	24710.9	24.6	∞	155383	260.001 ng/ml
Fentanyl	5.123	342656	∞	137.6	66674.5	651073	23.031 ng/ml
Flualprazolam	5.722	533976	3727.3	95.3	∞	178601	265.767 ng/ml
Fluoxetine	5.728	3168427	98180.3	7.6	248355.0	495324	247.875 ng/ml
Hydrocodone	3.059	1434608	1089.9	39.2	2290.4	725730	247.753 ng/ml
Hydromorphone	1.633	1242309	21151.7	71.9	4813.0	11272	245.288 ng/ml
Ketamine	4.093	3083714	540074.5	39.1	19894.3	669722	254.924 ng/ml
Lamotrigine	4.329	220263	83080.9	89.3	1729148.8	495324	242.025 ng/ml
Levetiracetam	2.671	1362715	131960.3	222.9	1598077.5	488693	249.008 ng/ml

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AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.769	39136	∞	44.6	∞	8035	244.164 ng/ml
MDA	3.230	2517268	128161.0	26.3	10135.1	381642	237.792 ng/ml
MDMA	3.328	3125908	97754.7	97.8	962137.3	138240	246.690 ng/ml
Meprobamate	4.951	306780	∞	29.0	14194.7	47384	232.357 ng/ml
Methadone	5.676	6175868	191730.6	49.9	∞	1183833	248.472 ng/ml
Methamphetamine	3.259	6938412	19957.8	40.5	22294.4	1281801	242.039 ng/ml
Metoprolol	4.360	747091	1144532.5	96.5	∞	3057745	233.441 ng/ml
Mirtazapine	4.654	8037045	1784110.0	47.0	∞	1183833	241.793 ng/ml
Mitragynine	5.252	1308578	143939.0	33.5	59655.3	495324	265.689 ng/ml
Morphine	1.251	224281	∞	17.0	∞	11272	271.937 ng/ml
Norbuprenorphine	5.029	4829	7158.9	84.8	∞	11595	23.872 ng/ml
Nordiazepam	5.912	179421	∞	62.2	∞	26589	255.477 ng/ml
Norfentanyl	4.119	199514	18015.6	34.7	96582.3	977389	25.565 ng/ml
Norhydrocodone	3.100	165756	1343.8	25.3	∞	133796	253.322 ng/ml
Noroxycodone	2.946	914143	∞	45.0	40069.5	134899	261.086 ng/ml
O-desmethyl-tramadol	3.415	8071057	458493.3	6.1	90576.0	1650167	239.470 ng/ml
Oxazepam	5.771	53047	2488.3	69.9	412.8	8035	243.406 ng/ml
Oxycodone	2.868	2973422	∞	28.7	∞	500840	251.653 ng/ml
Oxymorphone	1.414	1321410	∞	43.9	∞	220476	259.006 ng/ml
Phentermine	3.816	1234747	∞	8.4	4669.8	681867	245.666 ng/ml
Promethazine	5.568	5528130	317392.3	37.5	125975.6	1102103	237.139 ng/ml
Pseudoephedrine	2.610	16516287	∞	24.3	∞	3057745	235.541 ng/ml
Quetiapine	5.549	4698122	∞	61.7	∞	301437	240.347 ng/ml
Sertraline	5.786	1178490	1790872.9	93.7	275104.5	206205	242.052 ng/ml
Temazepam	5.838	481172	5083.8	30.8	2302.7	90073	240.774 ng/ml
Tramadol	4.281	7138336	291787.6	3.4	4730.0	1443918	243.144 ng/ml
Trazodone	5.144	4394671	92096.3	78.1	216794.7	717967	244.640 ng/ml
Venlafaxine	5.077	5882849	448017.0	39.1	44815.3	1437316	245.190 ng/ml
Zolpidem	4.921	7620071	509050.8	29.7	146838.0	1433395	258.436 ng/ml

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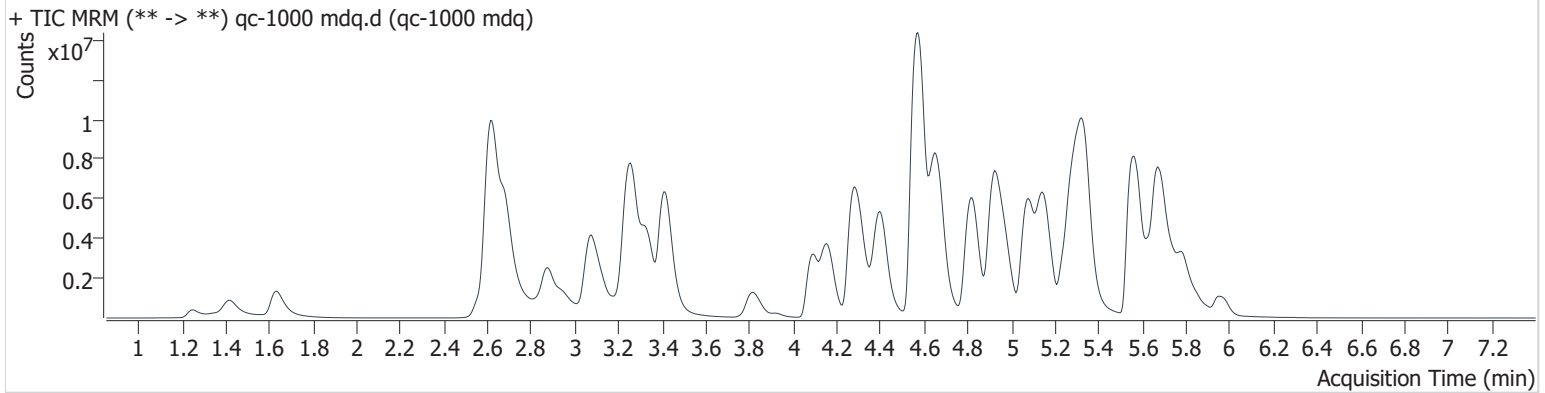
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin
Calibration Last Update 4/1/2021 3:32:13 PM

Instrument	69679	Data File	qc-1000 mdq.d
Type	QC	Sample	qc-1000 mdq
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P2-D2	Comment	
Injection Volume	3		
Acq. Date-Time	3/30/2021 5:17:35 PM		

Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.181	203714	958900.6	138.0	1742904.2	53835	101.966 ng/ml
7-aminoclonazepam	4.318	738393	30986.7	78.2	34299.0	27154	1044.049 ng/ml
a-hydroxyalprazolam	5.727	104259	5603.9	54.5	916.8	6017	874.453 ng/ml
alpha-PHP	4.970	8553037	52873.8	39.3	102098.6	723175	832.580 ng/ml
alpha-PVP	4.403	13510321	1260889.4	52.4	294911.0	544266	1011.412 ng/ml
Alprazolam	5.786	2681980	1393.6	88.1	4136.8	96296	1002.431 ng/ml
Amphetamine	3.083	10738488	321729.7	45.8	∞	376177	565.288 ng/ml
Benzoylcegonine	3.926	296923	1398587.6	15.9	17814.3	11026	962.990 ng/ml
Buprenorphine	5.700	74149	∞	16.0	16710.8	27900	100.079 ng/ml
Bupropion	4.820	15804795	510638.1	63.3	196105.7	723175	1012.059 ng/ml
Carisoprodol	5.751	1180182	1150519.7	55.5	28378.5	46233	984.262 ng/ml
Citalopram	5.243	5330807	246405.3	42.9	95692.2	250128	973.925 ng/ml
Clonazepam	5.634	275189	1073439.5	32.1	172455.5	6017	840.321 ng/ml
Clonazepam	5.596	579924	9197.8	38.3	25728.9	96296	994.086 ng/ml
Cocaine	4.296	7438434	249299.0	44.7	1465771.3	629997	1002.730 ng/ml
Codeine	2.634	806876	37222.1	93.6	24351.8	48740	884.812 ng/ml
Cyclobenzaprine	5.631	8025075	578440.7	9.5	37836.1	279009	1008.545 ng/ml
Dextromethorphan	5.302	4261806	65168.7	72.8	222299.9	199105	994.471 ng/ml
Dextrophan	4.159	9592469	527440.4	44.0	582621.8	510353	1000.830 ng/ml
Diazepam	5.963	2266761	43422.3	87.4	∞	111370	976.355 ng/ml
Dihydrocodeine	2.567	3193292	7823.5	59.8	4266.3	273427	802.643 ng/ml
Diphenhydramine	5.339	21447555	23563241.6	29.5	64487.4	999085	984.127 ng/ml
Doxylamine	4.571	34839162	872165.7	89.3	883401.0	1509627	944.297 ng/ml
EDDP	5.291	16147316	∞	41.5	∞	754807	1018.409 ng/ml
Etizolam	5.836	1691940	89305.8	24.7	∞	111370	918.837 ng/ml
Fentanyl	5.128	958934	∞	142.8	1059118.0	423956	98.654 ng/ml
Flualprazolam	5.727	1078242	∞	93.8	∞	96296	995.963 ng/ml
Fluoxetine	5.733	5255253	81534.5	7.8	1522564.8	204109	997.839 ng/ml
Hydrocodone	3.059	4621831	7489.2	37.7	2203.7	596690	974.880 ng/ml
Hydromorphone	1.633	3860139	∞	72.0	5357.6	8993	956.143 ng/ml
Ketamine	4.093	8410605	∞	38.2	114739.5	487879	957.747 ng/ml
Lamotrigine	4.329	331418	157130.6	87.5	2356933.3	204109	879.903 ng/ml
Levetiracetam	2.686	4054410	112179.1	222.5	181976.4	376177	963.345 ng/ml

4/2/21 A

4/2/21 A

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AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.		
Lorazepam	5.764	121684	∞	50.1	2465.9	6529	936.464 ng/ml	✱	4/2/21
MDA	3.220	4565656	144415.5	26.2	30890.3	217097	759.801 ng/ml	ocr	
MDMA	3.333	7897966	919296.4	97.3	504838.1	84280	1021.322 ng/ml	✱	4/2/21
Meprobamate	4.951	547483	∞	28.7	11041.1	21697	906.481 ng/ml		
Methadone	5.676	17343890	433265.5	48.0	809183.5	813510	1014.811 ng/ml		
Methamphetamine	3.257	17259673	127345.0	38.5	2225001.5	1115560	704.290 ng/ml	✱	4/2/21
Metoprolol	4.354	1413384	3158280.7	96.0	∞	1745834	773.612 ng/ml	ocr	4/2/21
Mirtazapine	4.654	22739339	2422633.5	45.6	1745461.5	813510	988.212 ng/ml	✱	
Mitragynine	5.242	3005386	260146.1	34.1	43352.0	204109	1476.549 ng/ml		
Morphine	1.251	635844	∞	15.8	∞	8993	972.068 ng/ml		
Norbuprenorphine	5.024	13979	18097.3	96.0	23838.5	8289	96.472 ng/ml		
Nordiazepam	5.907	530230	∞	63.2	∞	20023	1003.354 ng/ml		
Norfentanyl	4.114	415299	62959.4	35.6	342657.9	538241	96.796 ng/ml		
Norhydrocodone	3.106	408365	∞	29.8	∞	80727	1033.425 ng/ml		
Noroxycodone	2.946	2488632	∞	45.0	4854.8	95455	1007.856 ng/ml		
O-desmethyl-tramadol	3.414	23941142	642229.6	5.9	130209.0	1194827	980.570 ng/ml		
Oxazepam	5.771	170514	10108.4	72.5	3172.2	6529	961.452 ng/ml		
Oxycodone	2.873	9768214	∞	28.7	∞	422039	982.706 ng/ml		
Oxymorphone	1.414	3598781	∞	46.1	∞	165681	941.491 ng/ml		
Phentermine	3.822	3412559	∞	7.4	∞	548351	846.159 ng/ml		
Promethazine	5.568	14824130	754387.7	35.9	108229.4	701110	995.561 ng/ml		
Pseudoephedrine	2.622	39543807	∞	23.4	∞	1745834	984.564 ng/ml		
Quetiapine	5.539	9513332	1744913.0	62.6	∞	195371	751.832 ng/ml	ocr	4/2/21
Sertraline	5.786	2073182	10399767.1	96.2	97243.5	89837	977.621 ng/ml		
Temazepam	5.849	1134368	3707557.7	31.2	26133.4	50278	1014.722 ng/ml		
Tramadol	4.272	18313276	1057479.3	3.3	27594.5	928589	971.382 ng/ml		
Trazodone	5.149	12311193	1704134.9	78.5	163959.3	400425	1226.817 ng/ml	ocr	4/2/21
Venlafaxine	5.078	18082170	417761.4	37.4	127306.0	982937	1101.130 ng/ml		
Zolpidem	4.917	21056636	∞	29.7	653934.9	1090079	942.382 ng/ml		

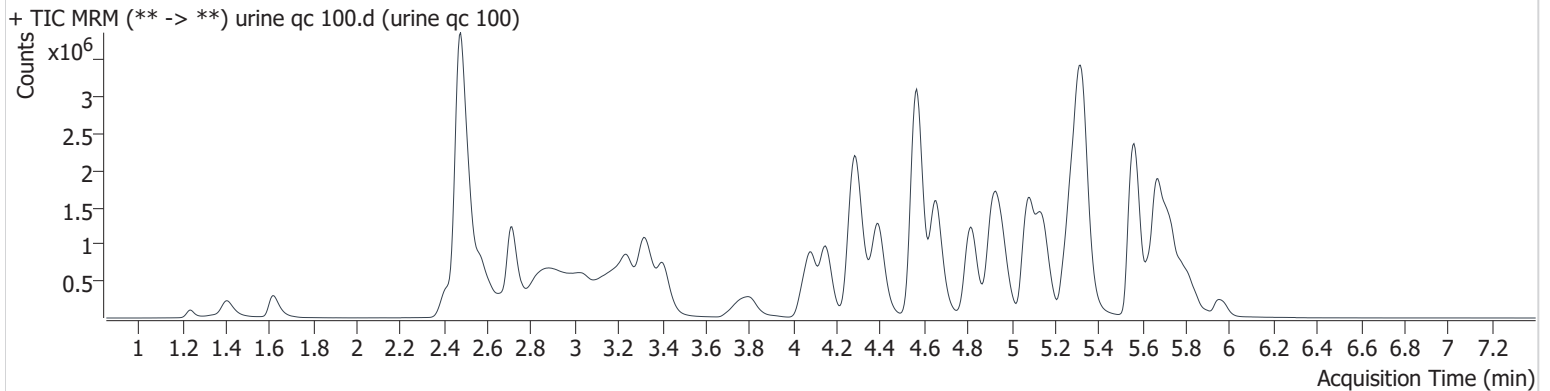
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AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin
Calibration Last Update 4/1/2021 3:32:13 PM

Instrument	69679	Data File	urine qc 100.d
Type	QC	Sample	urine qc 100
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P2-E2	Comment	
Injection Volume	3		
Acq. Date-Time	3/30/2021 5:26:38 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.165	13234	41.8	118.8	∞	27743	12.851 ng/ml
7-aminoclonazepam	4.308	354580	8329.6	74.6	16653.7	130628	103.883 ng/ml
a-hydroxyalprazolam	5.717	27632	∞	57.0	∞	10201	134.573 ng/ml
alpha-PHP	4.961	1669527	∞	39.2	20568.8	1081174	107.639 ng/ml
alpha-PVP	4.392	2313350	101724.1	52.8	23890.1	927187	102.295 ng/ml
Alprazolam	5.786	552211	14735.0	86.0	24242.3	185458	106.914 ng/ml
Amphetamine	3.037	1033691	∞	43.7	414.3	117921	172.347 ng/ml
Benzoylcegonine	3.916	38062	47359.9	16.5	11339.8	13312	102.331 ng/ml
Buprenorphine	5.705	23469	81322.6	17.2	26122.9	94051	9.581 ng/ml
Bupropion	4.821	2428629	114000.0	66.9	31285.6	1081174	104.229 ng/ml
Carisoprodol	5.746	384409	2008391.7	57.4	18602.4	145468	101.968 ng/ml
Citalopram	5.253	1551205	71395.4	41.7	14408.1	666869	105.990 ng/ml
Clonazepam	5.634	58550	361931.6	31.0	∞	10201	105.227 ng/ml
Clonazepam	5.586	74577	7523.5	38.4	3419.9	185458	66.065 ng/ml
Cocaine	4.291	1627212	54203.0	45.9	54141.0	1294066	106.625 ng/ml
Codeine	2.435 Low	210073	∞	92.4	756.6	100672	110.673 ng/ml
Cyclobenzaprine	5.641	1644069	62731.0	10.2	∞	553598	104.117 ng/ml
Dextromethorphan	5.297	1231759	90043.4	73.9	99787.8	532493	107.692 ng/ml
Dextrophan	4.149	1741068	42009.5	44.8	246600.1	894177	104.059 ng/ml
Diazepam	5.958	388715	2676.8	86.9	∞	178611	104.502 ng/ml
Dihydrocodeine	2.409 Low	619340	∞	59.6	1950.0	362476	116.423 ng/ml
Diphenhydramine	5.329	5205788	350480.7	30.5	44769.1	2418737	99.561 ng/ml
Doxylamine	4.566	5971782	231998.2	80.1	41446.1	2204134	110.294 ng/ml
EDDP	5.291	2171504	54224.3	43.7	152917.8	1041737	99.394 ng/ml
Etizolam	5.831	299752	37406.7	24.2	∞	178611	98.401 ng/ml
Fentanyl	5.128	173753	∞	136.7	140513.9	764733	10.000 ng/ml
Flualprazolam	5.722	278688	956.0	98.8	2290.7	185458	133.465 ng/ml
Fluoxetine	5.728	1722673	19806.3	7.6	366065.3	643397	103.730 ng/ml
Hydrocodone	3.044	261609	3350.4	35.4	647.8	166322	196.849 ng/ml
Hydromorphone	1.618	619023	5664.3	70.9	6683.9	14092	97.599 ng/ml
Ketamine	4.083	1619298	75229.1	39.4	5893.9	810133	109.980 ng/ml
Lamotrigine	4.324	132383	15565.8	82.5	∞	643397	112.762 ng/ml
Levetiracetam	2.518 Low	632955	11682.5	220.9	279132.2	117921	479.607 ng/ml

urine qc 100

Generated at 3:32 PM on 4/1/2021

codeine and dihydrocodeine evaluated as passing internal standard shifted proportionally.

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.769	22585	∞	44.5	197.3	10576	106.620 ng/ml
MDA	3.220	814808	∞	25.1	∞	245061	119.502 ng/ml
MDMA	3.317	756929	∞	93.7	∞	71955	114.938 ng/ml
Meprobamate	4.951	175090	∞	28.8	∞	59003	106.337 ng/ml
Methadone	5.676	2756756	84532.7	51.5	∞	1309892	100.359 ng/ml
Methamphetamine	3.247	1955160	∞	39.4	∞	476419	181.876 ng/ml
Metoprolol	4.354	433760	72959.2	96.5	∞	3906177	106.072 ng/ml
Mirtazapine	4.654	3910352	110812.6	47.2	56925.2	1309892	107.635 ng/ml
Mitragynine	5.252	715367	10316.9	32.4	9287.2	643397	112.359 ng/ml
Morphine	1.241	104868	∞	17.0	∞	14092	100.305 ng/ml
Norbuprenorphine	5.029	2499	4588.8	103.9	4491.2	15026	9.570 ng/ml
Nordiazepam	5.907	79942	∞	64.8	∞	27363	110.470 ng/ml
Norfentanyl	4.109	106740	5996.0	34.3	16239.2	1232707	10.811 ng/ml
Norhydrocodone	3.085	27347	∞	20.7	∞	64496	86.904 ng/ml
Noroxycodone	2.900	131959	710.2	39.6	∞	36494	138.761 ng/ml
O-desmethyl-tramadol	3.404	2017167	30776.1	6.3	12872.1	954665	103.539 ng/ml
Oxazepam	5.776	28762	849.4	69.4	220.6	10576	100.553 ng/ml
Oxycodone	2.807	103206	134.4	27.7	70.1	115191	37.503 ng/ml
Oxymorphone	1.404	629860	∞	44.1	∞	241451	112.128 ng/ml
Phentermine	3.806	682644	2185.8	9.7	1470.6	802685	114.968 ng/ml
Promethazine	5.568	2511034	38413.3	38.6	67175.5	1207293	99.067 ng/ml
Pseudoephedrine	2.478 Low	8788593	364744.3	24.5	∞	3906177	98.688 ng/ml
Quetiapine	5.549	2541957	122555.3	60.7	51610.9	358361	109.147 ng/ml
Sertraline	5.786	364736	65818.7	97.4	6654.0	155712	99.159 ng/ml
Temazepam	5.838	301926	4572.7	32.0	548.1	128106	106.606 ng/ml
Tramadol	4.272	3803788	726618.8	3.4	5831.9	1719430	108.539 ng/ml
Trazodone	5.144	2208945	62588.2	77.8	57326.0	855059	103.538 ng/ml
Venlafaxine	5.073	2891075	65000.0	39.1	10180.8	1714115	101.190 ng/ml
Zolpidem	4.922	3820009	66975.5	29.7	60112.5	1657969	111.292 ng/ml

pseudoephedrine evaluated as passing internal standard shifted proportionally.

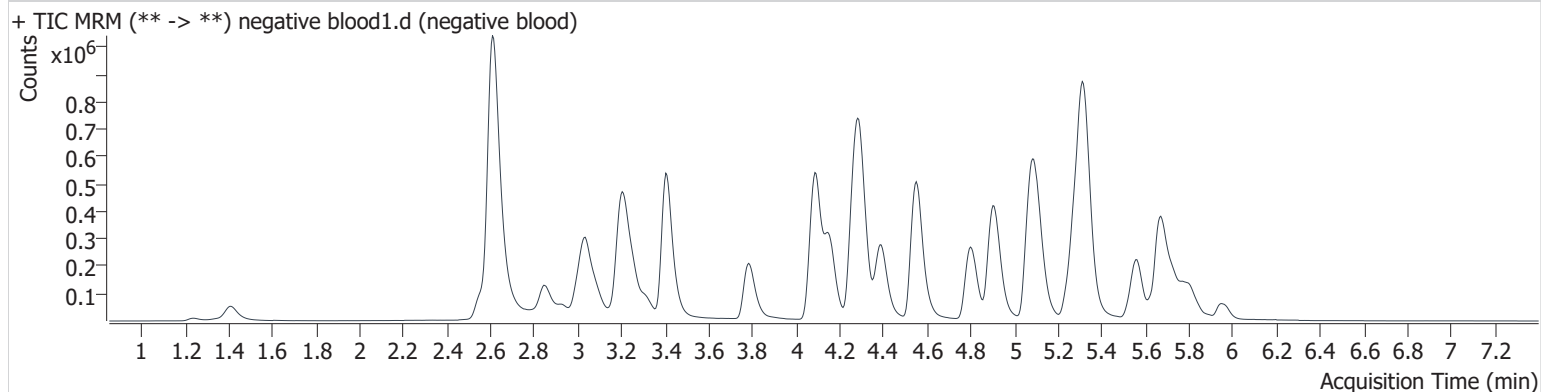
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AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin
Calibration Last Update 4/1/2021 3:32:13 PM

Instrument	69679	Data File	negative blood1.d
Type	Sample	Sample	negative blood
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P2-F4	Comment	
Injection Volume	3		
Acq. Date-Time	3/30/2021 5:35:40 PM		
Sample Info.			

Sample Chromatogram



GA

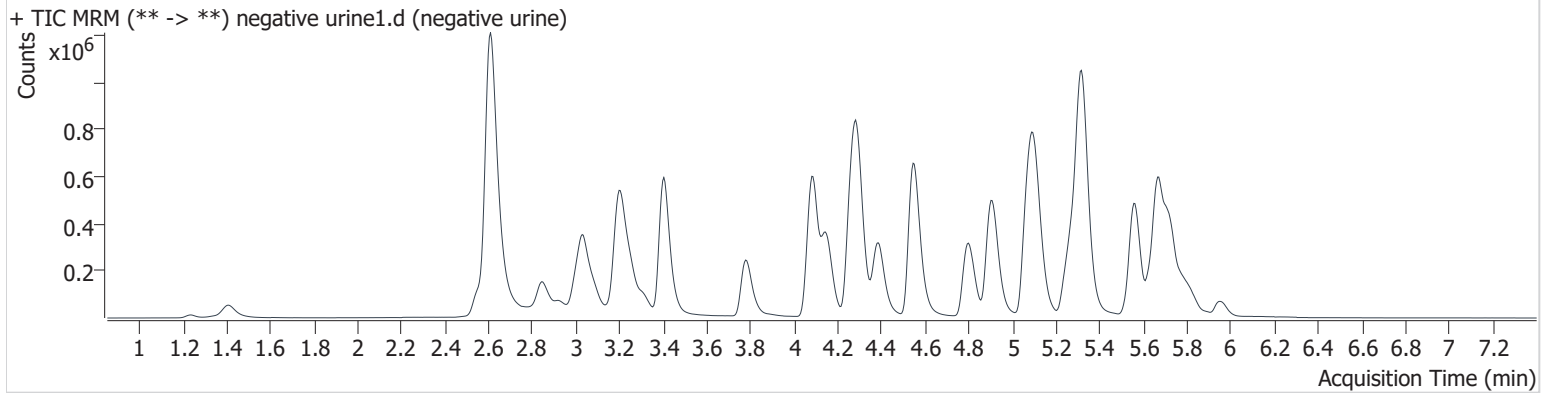
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin
Calibration Last Update 4/1/2021 3:32:13 PM

Instrument	69679	Data File	negative urine1.d
Type	Sample	Sample	negative urine
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P2-H3	Comment	
Injection Volume	3		
Acq. Date-Time	3/30/2021 7:59:44 PM		

Sample Info.

Sample Chromatogram



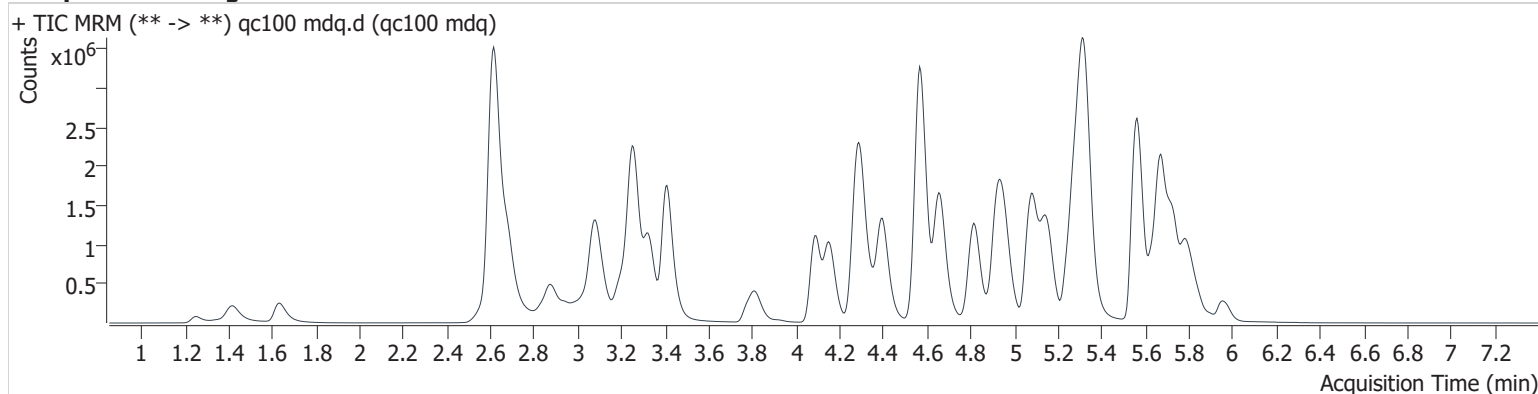


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin
Calibration Last Update 4/1/2021 3:32:13 PM

Instrument 69679 **Data File** qc100 mdq.d
Type QC **Sample** qc100 mdq
Acq. Method mdqp1 1-21-21long.m **Operator** Anne Nord
Sample Position P2-B2 **Comment**
Injection Volume 3
Acq. Date-Time 3/30/2021 9:56:30 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.176	33100	235409.2	141.1	8136.0	87672	10.170 ng/ml
7-aminoclonazepam	4.308	348833	18595.4	77.9	7238.9	133173	100.234 ng/ml
a-hydroxyalprazolam	5.712	28384	∞	52.5	3225.3	12570	111.768 ng/ml
alpha-PHP	4.961	1703872	∞	39.8	244384.1	1109896	107.003 ng/ml
alpha-PVP	4.397	2288718	80490.1	53.1	19928.6	941549	99.680 ng/ml
Alprazolam	5.791	670231	∞	89.2	14536.1	236997	101.531 ng/ml
Amphetamine	3.088	3026262	22708.3	44.5	41241.2	574589	102.837 ng/ml
Benzoylcegonine	3.921	34064	541367.1	16.4	245367.6	12244	99.570 ng/ml
Buprenorphine	5.705	24781	80968.0	15.1	∞	98840	9.626 ng/ml
Bupropion	4.821	2420529	1126283.0	66.3	33879.7	1109896	101.200 ng/ml
Carisoprodol	5.746	421772	∞	57.6	29987.4	158546	102.650 ng/ml
Citalopram	5.253	1545097	73048.3	42.0	274138.0	687310	102.421 ng/ml
Clonazepam	5.634	72853	94860.9	32.3	269265.8	12570	106.265 ng/ml
Clonazepam	5.586	163747	11704.9	38.6	∞	236997	113.753 ng/ml
Cocaine	4.296	1644350	∞	46.4	1613326.5	1358241	102.650 ng/ml
Codeine	2.628	203568	23327.7	90.6	∞	103365	104.397 ng/ml
Cyclobenzaprine	5.641	1979158	904012.3	9.9	220966.8	672912	103.114 ng/ml
Dextromethorphan	5.297	1203594	671048.6	74.7	∞	540694	103.643 ng/ml
Dextrophan	4.154	1664815	7559414.4	44.9	2028362.4	875633	101.619 ng/ml
Diazepam	5.958	414339	2587703111 1471.1	86.4	1669.0	192467	103.373 ng/ml
Dihydrocodeine	2.577	620467	5129.5	58.1	6704.0	383227	110.257 ng/ml
Diphenhydramine	5.328	5233672	470398.9	29.9	48969.6	2502399	96.776 ng/ml
Doxylamine	4.571	5951514	∞	80.8	302367.7	2254709	107.438 ng/ml
EDDP	5.291	2582521	∞	43.0	1149644.7	1267577	97.150 ng/ml
Etizolam	5.826	355438	3969.8	24.2	∞	192467	108.631 ng/ml
Fentanyl	5.123	171642	∞	137.1	318465.7	802891	9.415 ng/ml
Flualprazolam	5.722	283686	14507.7	96.5	1942.9	236997	106.268 ng/ml
Fluoxetine	5.728	1859719	1782199.5	7.5	152883.5	693571	103.882 ng/ml
Hydrocodone	3.064	740556	18739.7	37.0	3023.1	831644	110.834 ng/ml
Hydromorphone	1.633	617857	3410.6	71.8	7984.3	13002	105.598 ng/ml
Ketamine	4.093	1547432	465500.9	38.8	22797.0	785367	108.396 ng/ml
Lamotrigine	4.324	133245	11251.7	87.1	∞	693571	105.381 ng/ml

AM #28 Multi-Drug Quant. Results

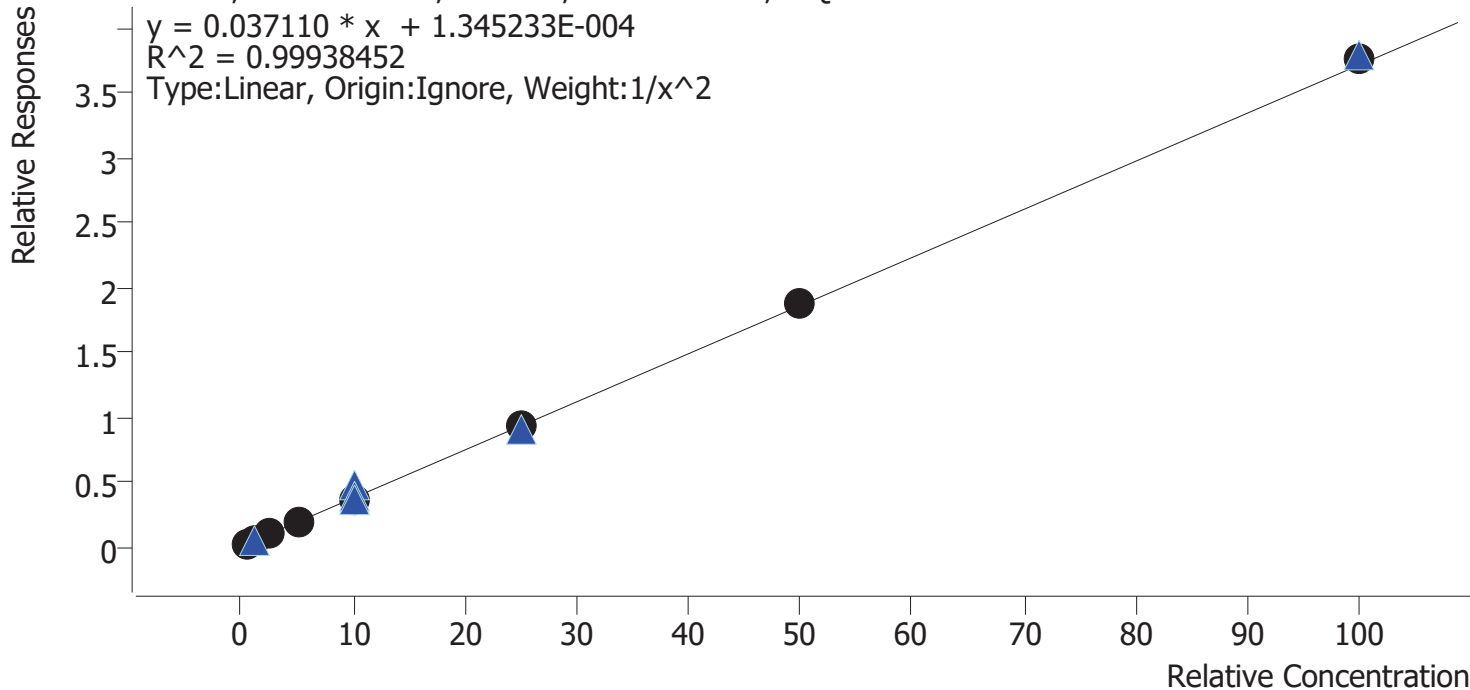
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Levetiracetam	2.686	686370	19980.9	219.7	187644.6	574589	106.494 ng/ml
Lorazepam	5.769	19695	∞	47.3	∞	9688	101.464 ng/ml
MDA	3.235	1477475	90597.5	25.8	61801.2	511495	103.721 ng/ml
MDMA	3.328	1575935	∞	99.7	76834.1	172414	99.912 ng/ml
Meprobamate	4.951	171938	286608.1	29.1	∞	61367	100.383 ng/ml
Methadone	5.676	2979923	358948.3	52.9	916902.0	1441778	98.563 ng/ml
Methamphetamine	3.257	3675913	23480.6	40.7	7588.7	1446164	110.093 ng/ml
Metoprolol	4.360	435837	786562.3	95.8	∞	3881626	107.254 ng/ml
Mirtazapine	4.660	3957900	8986057.3	47.9	7236931.7	1441778	99.167 ng/ml
Mitragynine	5.252	700584	12538.2	31.8	158304.7	693571	102.162 ng/ml
Morphine	1.251	106186	∞	17.6	∞	13002	110.293 ng/ml
Norbuprenorphine	5.029	2291	4111.5	95.7	4482.7	13727	9.603 ng/ml
Nordiazepam	5.907	92691	∞	63.6	∞	32865	106.634 ng/ml
Norfentanyl	4.114	103725	9002.8	34.2	247095.6	1220621	10.608 ng/ml
Norhydrocodone	3.100	83442	∞	25.3	∞	170854	100.049 ng/ml
Noroxycodone	2.946	472943	∞	43.5	∞	164554	110.050 ng/ml
O-desmethyl-tramadol	3.409	3935900	461650.5	6.1	128288.9	1936180	99.618 ng/ml
Oxazepam	5.776	27469	587.1	71.2	3223.4	9688	104.815 ng/ml
Oxycodone	2.873	1428371	∞	28.5	∞	570704	105.767 ng/ml
Oxymorphone	1.419	665040	∞	44.0	∞	265995	107.422 ng/ml
Phentermine	3.816	652796	2463.9	8.6	13124.6	802582	109.922 ng/ml
Promethazine	5.568	2729089	18189079.1	38.3	52911.2	1344136	96.738 ng/ml
Pseudoephedrine	2.621	8480620	105185.9	24.6	32577.1	3881626	95.861 ng/ml
Quetiapine	5.554	2650146	2306561.9	59.3	19912693.5	380273	107.228 ng/ml
Sertraline	5.791	689829	5440886.5	96.4	∞	296994	98.326 ng/ml
Temazepam	5.838	266510	5385.0	31.3	733.7	119408	100.991 ng/ml
Tramadol	4.277	3640439	687835.1	3.4	∞	1709122	104.487 ng/ml
Trazodone	5.149	2235081	2141374.7	76.9	1705657.2	897463	99.831 ng/ml
Venlafaxine	5.078	2836113	1978129.0	39.2	20695.3	1732512	98.219 ng/ml
Zolpidem	4.927	3740243	229884.4	30.4	∞	1670002	108.148 ng/ml

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin
Last Cal. Update 4/1/2021 3:02 PM
Analyst Name ISP\datastor
Analyte 6-MAM **Internal Standard** 6-MAM-D6

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

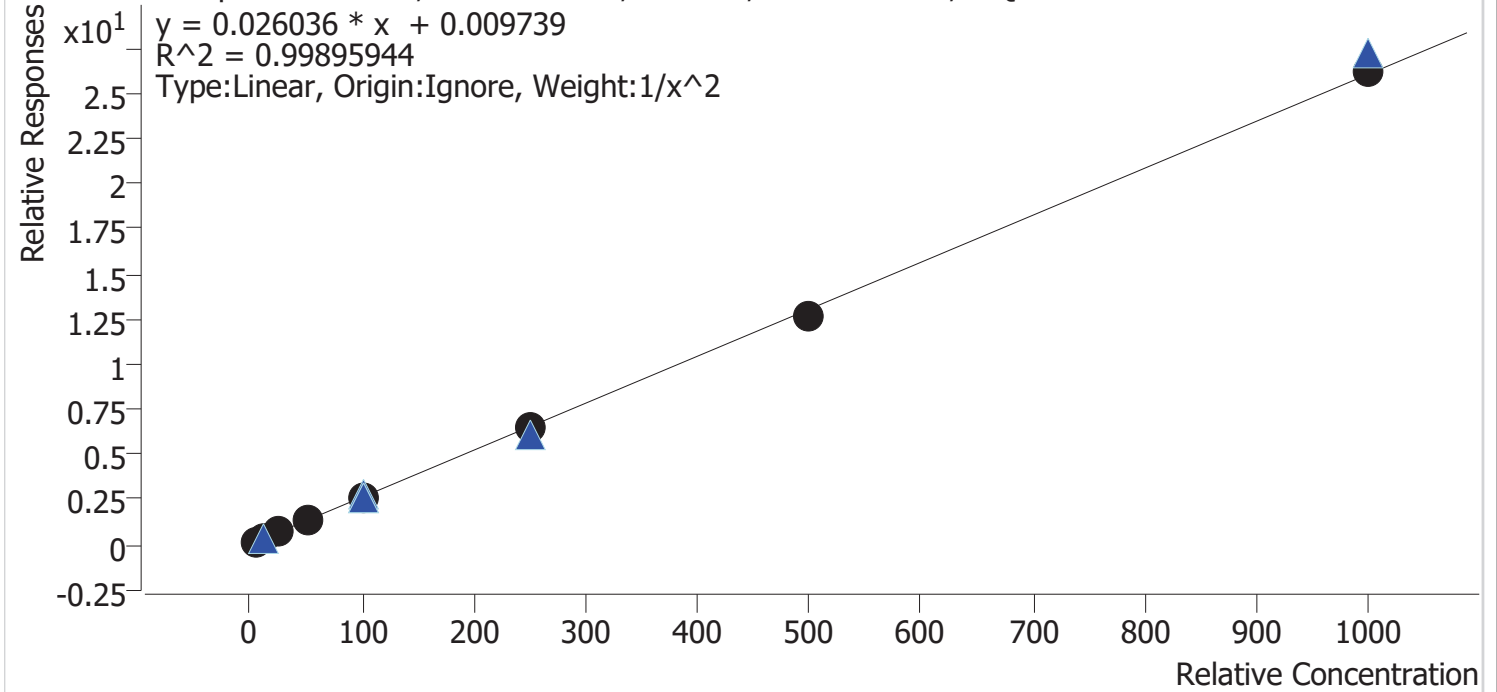


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	102.1
cal 2 mdq	2	✓	1.0	1.0	96.4
cal 3 mdq	3	✓	2.5	2.4	97.8
cal 4 mdq	4	✓	5.0	5.1	102.1
cal 5 mdq	5	✓	10.0	9.8	98.4
cal 6 mdq	6	✓	25.0	25.2	100.7
cal 7 mdq	7	✓	50.0	50.5	100.9
cal 8 mdq	8	✓	100.0	101.5	101.5

Compound Calibration Report

Batch results D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin
Last Cal. Update 4/1/2021 3:02 PM
Analyst Name ISP\datastor
Analyte 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4

7-aminoclonazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 6 QCs



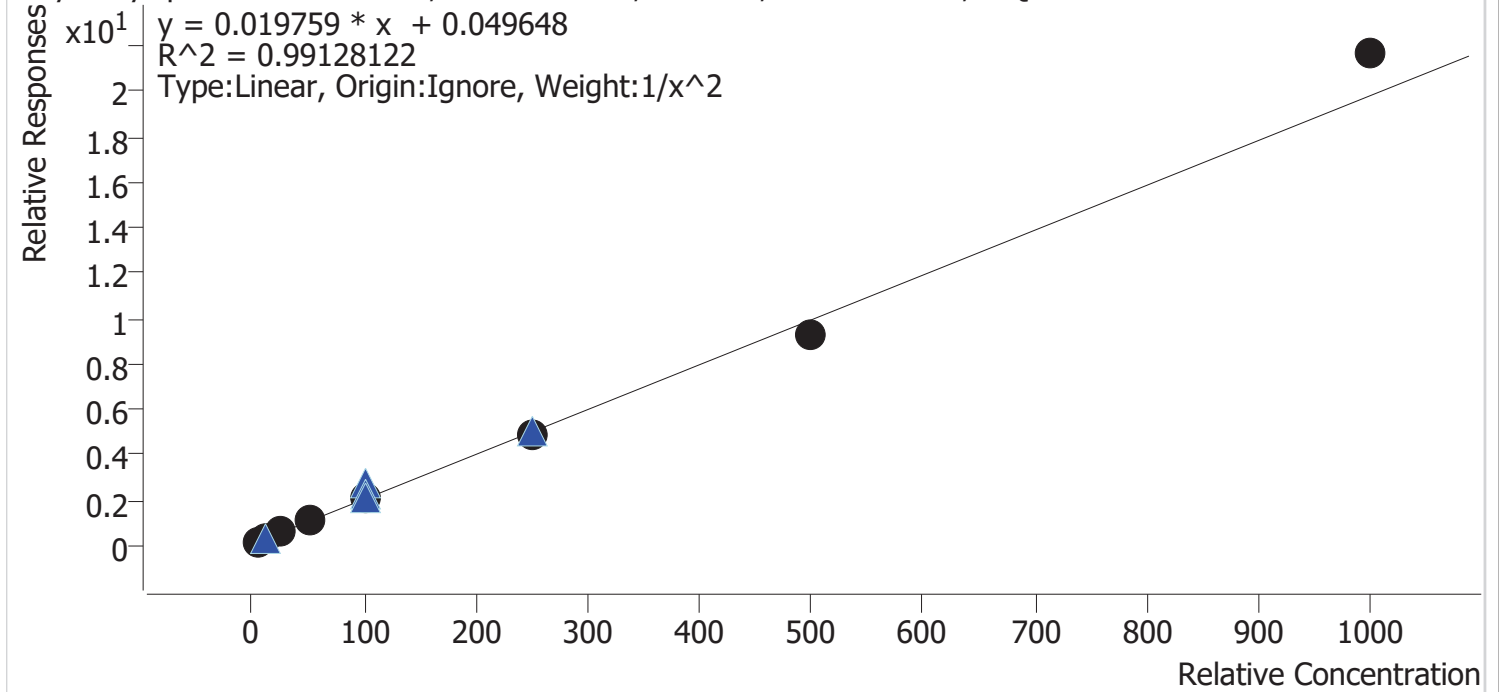
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.4
cal 2 mdq	2	✓	10.0	9.6	96.1
cal 3 mdq	3	✓	25.0	25.1	100.4
cal 4 mdq	4	✓	50.0	52.4	104.8
cal 5 mdq	5	✓	100.0	100.9	100.9
cal 6 mdq	6	✓	250.0	247.9	99.2
cal 7 mdq	7	✓	500.0	481.9	96.4
cal 8 mdq	8	✓	1000.0	1009.3	100.9

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin
Last Cal. Update 4/1/2021 3:02 PM
Analyst Name ISP\datastor
Analyte a-hydroxyalprazolam **Internal Standard** Clonazepam-D4

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



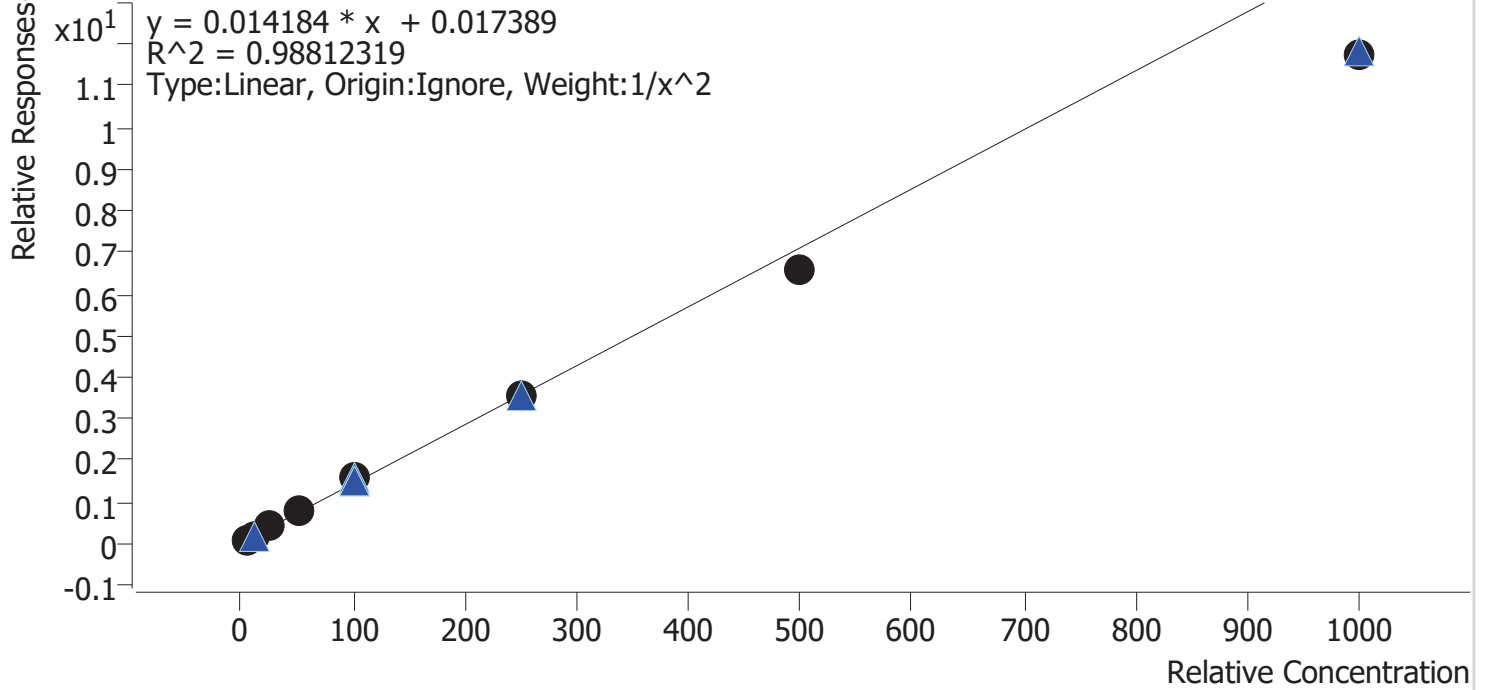
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.3	106.4
cal 2 mdq	2	✓	10.0	8.5	85.4
cal 3 mdq	3	✓	25.0	25.3	101.1
cal 4 mdq	4	✓	50.0	54.2	108.4
cal 5 mdq	5	✓	100.0	99.0	99.0
cal 6 mdq	6	✓	250.0	241.0	96.4
cal 7 mdq	7	✓	500.0	469.6	93.9
cal 8 mdq	8	✓	1000.0	1093.9	109.4

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin
Last Cal. Update 4/1/2021 3:02 PM
Analyst Name ISP\datastor
Analyte alpha-PHP **Internal Standard** Bupropion-D9

alpha-PHP - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 6 QCs



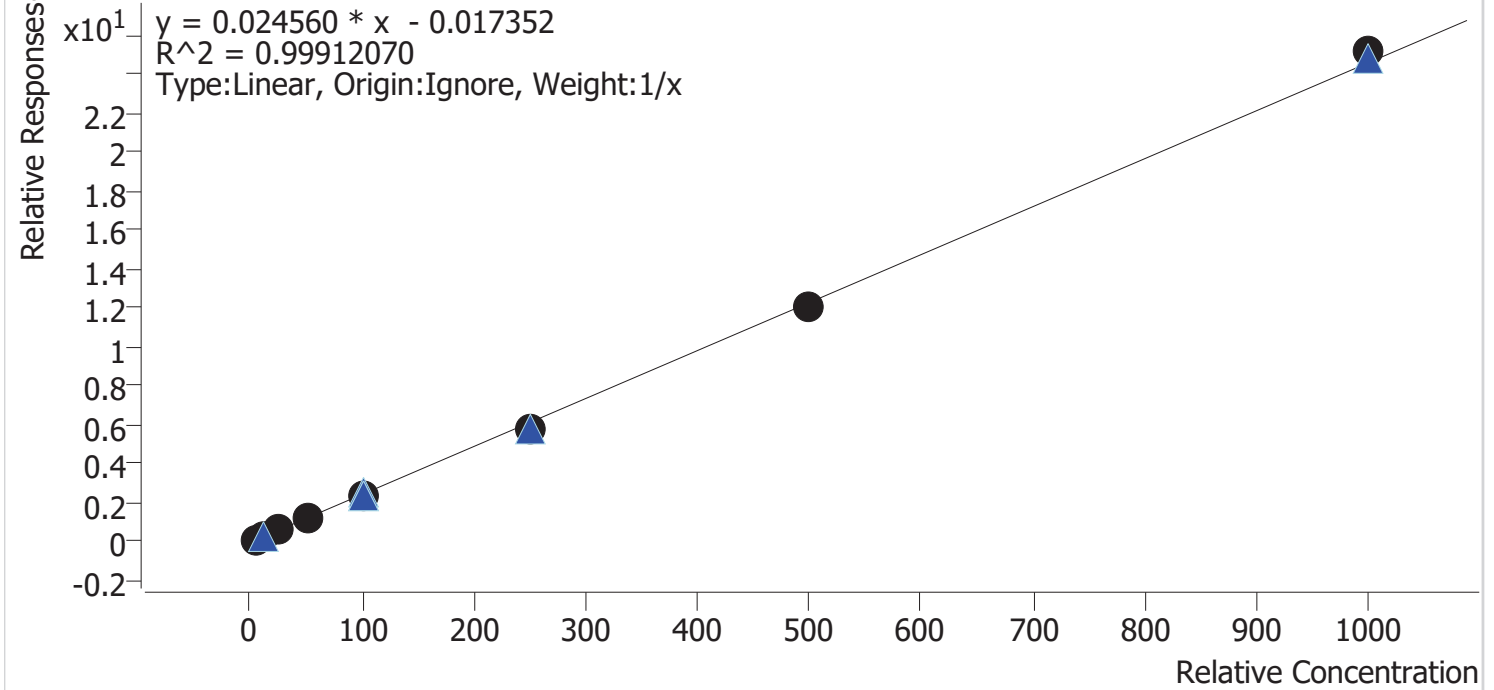
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.9
cal 2 mdq	2	✓	10.0	9.9	99.0
cal 3 mdq	3	✓	25.0	26.1	104.5
cal 4 mdq	4	✓	50.0	56.8	113.7
cal 5 mdq	5	✓	100.0	108.7	108.7
cal 6 mdq	6	✓	250.0	251.1	100.4
cal 7 mdq	7	✓	500.0	464.2	92.8
cal 8 mdq	8	✓	1000.0	828.6	82.9

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin
Last Cal. Update 4/1/2021 3:02 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, 6 QCs



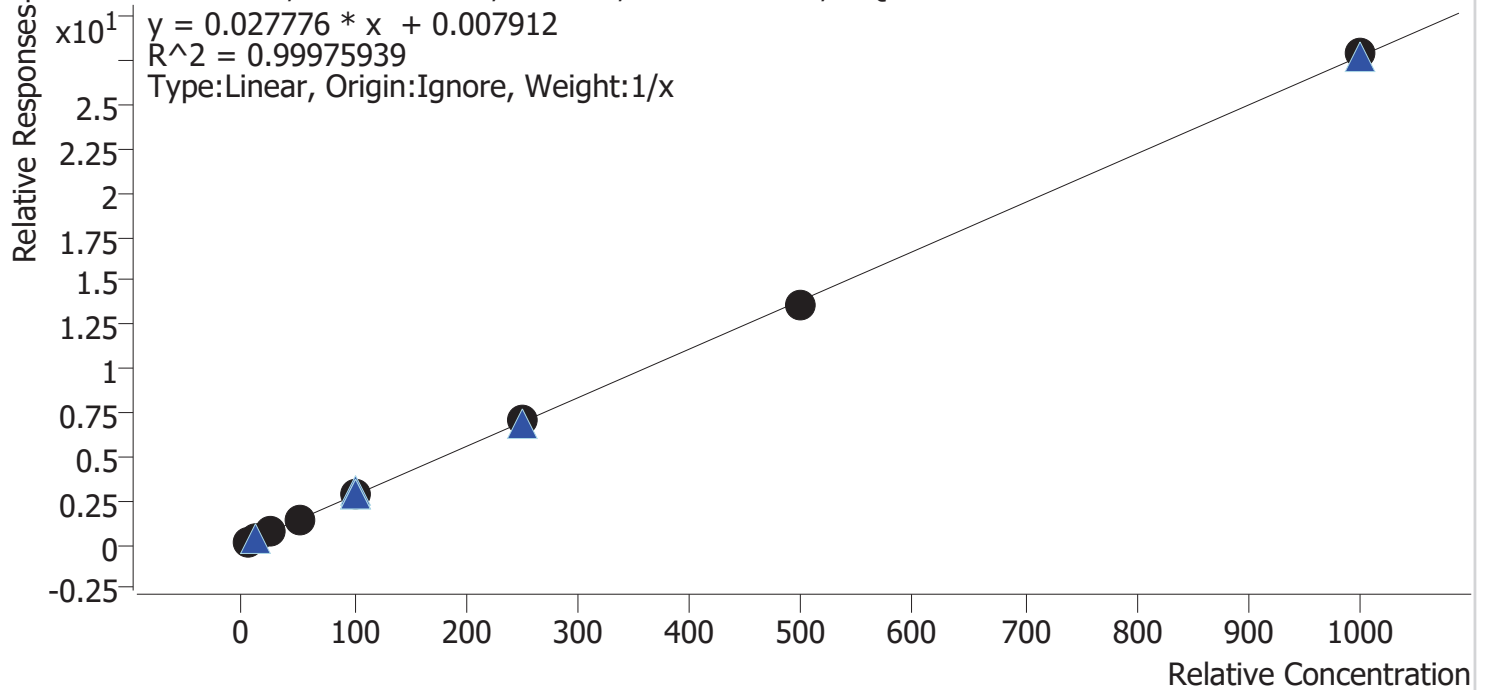
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.5	109.8
cal 2 mdq	2	✓	10.0	10.2	101.6
cal 3 mdq	3	✓	25.0	23.8	95.2
cal 4 mdq	4	✓	50.0	50.8	101.5
cal 5 mdq	5	✓	100.0	95.9	95.9
cal 6 mdq	6	✓	250.0	237.5	95.0
cal 7 mdq	7	✓	500.0	493.0	98.6
cal 8 mdq	8	✓	1000.0	1023.4	102.3

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin
Last Cal. Update 4/1/2021 3:02 PM
Analyst Name ISP\datastor
Analyte Alprazolam **Internal Standard** Alprazolam-D5

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

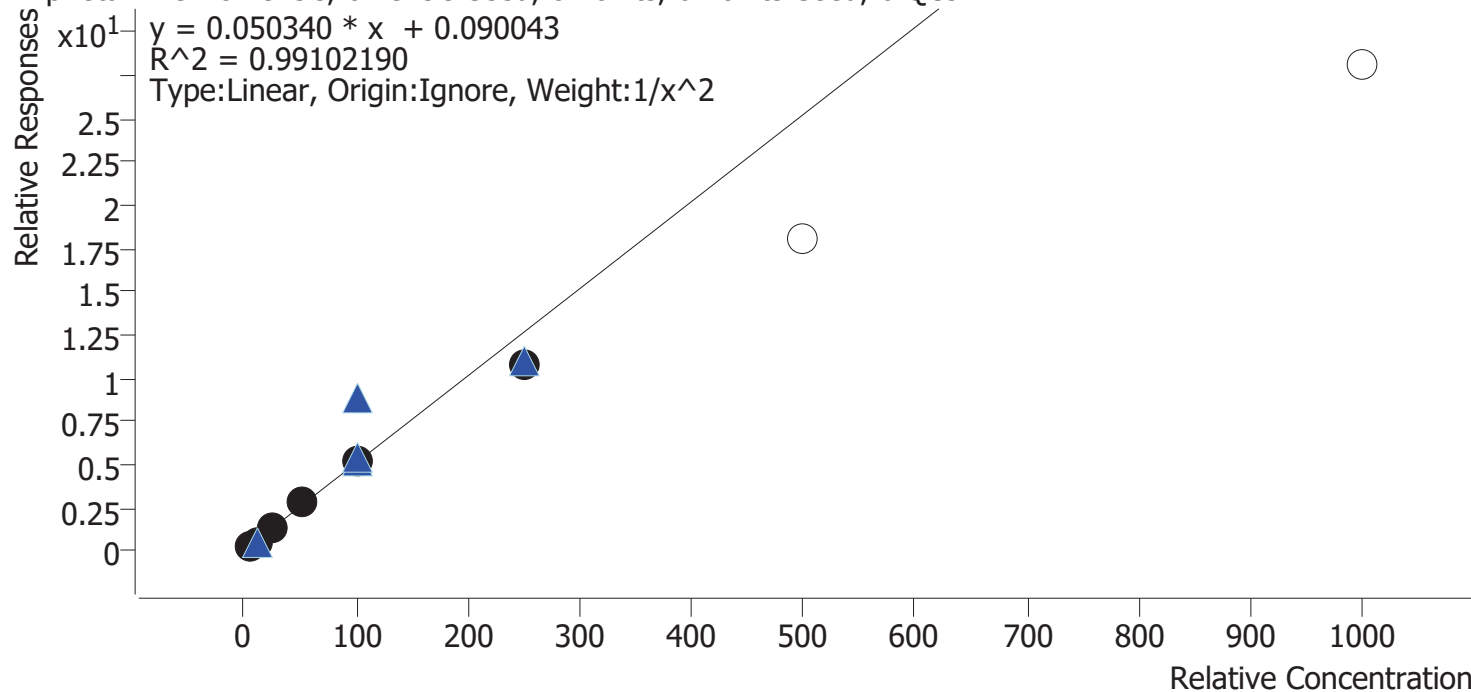


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.0
cal 2 mdq	2	✓	10.0	9.4	94.3
cal 3 mdq	3	✓	25.0	24.9	99.7
cal 4 mdq	4	✓	50.0	52.4	104.7
cal 5 mdq	5	✓	100.0	100.9	100.9
cal 6 mdq	6	✓	250.0	252.3	100.9
cal 7 mdq	7	✓	500.0	489.5	97.9
cal 8 mdq	8	✓	1000.0	1005.5	100.5



Batch results D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin
Last Cal. Update 4/1/2021 3:02 PM
Analyst Name ISP\datastor
Analyte Amphetamine **Internal Standard** Amphetamine-D11

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.1
cal 2 mdq	2	✓	10.0	10.1	101.3
cal 3 mdq	3	✓	25.0	25.6	102.5
cal 4 mdq	4	✓	50.0	54.4	108.8
cal 5 mdq	5	✓	100.0	103.5	103.5
cal 6 mdq	6	✓	250.0	214.7	85.9
cal 7 mdq	7	×	500.0	357.9	71.6
cal 8 mdq	8	×	1000.0	557.0	55.7

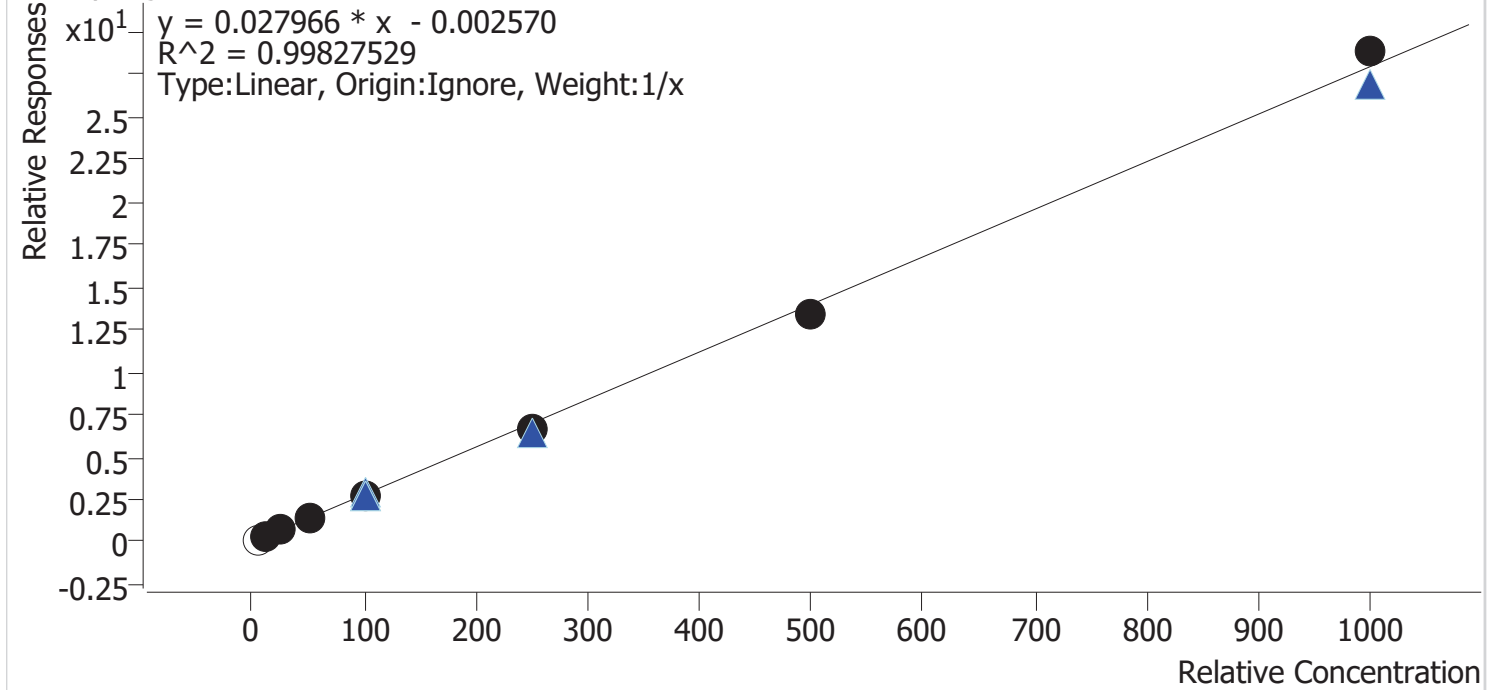
dropped cal 7 and cal 8 they do not meet accuracy requirements

Compound Calibration Report



Batch results	D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin		
Last Cal. Update	4/1/2021 3:02 PM		
Analyst Name	ISP\datastor		
Analyte	Benzoylecgonine	Internal Standard	Benzoylecgonine-d8

Benzoylecgonine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 6 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	×	5.0	5.0	100.8
cal 2 mdq	2	✓	10.0	9.7	97.5
cal 3 mdq	3	✓	25.0	25.8	103.3
cal 4 mdq	4	✓	50.0	52.5	105.0
cal 5 mdq	5	✓	100.0	100.8	100.8
cal 6 mdq	6	✓	250.0	236.6	94.6
cal 7 mdq	7	✓	500.0	477.9	95.6
cal 8 mdq	8	✓	1000.0	1031.6	103.2

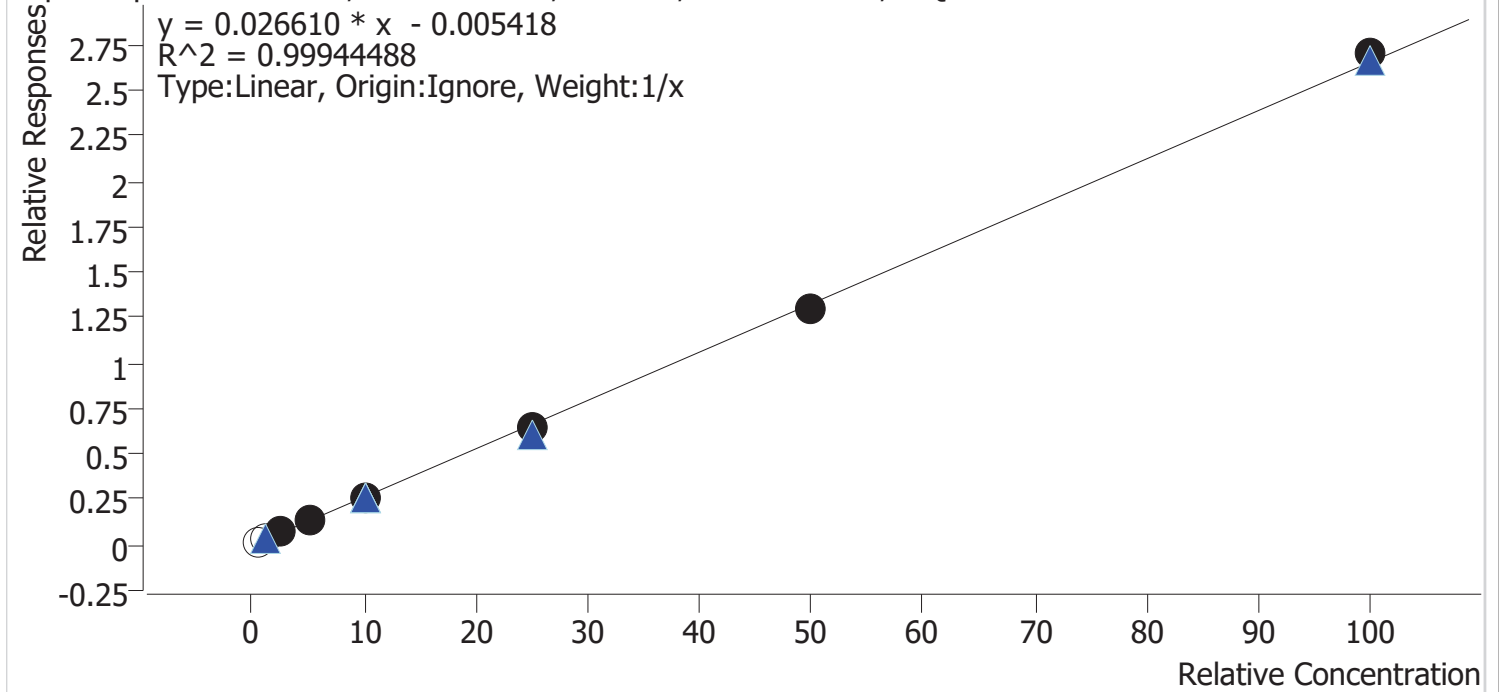
dropped cal 1 too much noise around 2nd transition

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin
Last Cal. Update 4/1/2021 3:02 PM
Analyst Name ISP\datastor
Analyte Buprenorphine **Internal Standard** Buprenorphine-D4

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	×	0.5	0.8	150.6
cal 2 mdq	2	×	1.0	1.2	119.6
cal 3 mdq	3	✓	2.5	2.6	102.5
cal 4 mdq	4	✓	5.0	5.1	101.3
cal 5 mdq	5	✓	10.0	9.9	98.8
cal 6 mdq	6	✓	25.0	24.6	98.3
cal 7 mdq	7	✓	50.0	48.6	97.3
cal 8 mdq	8	✓	100.0	101.8	101.8

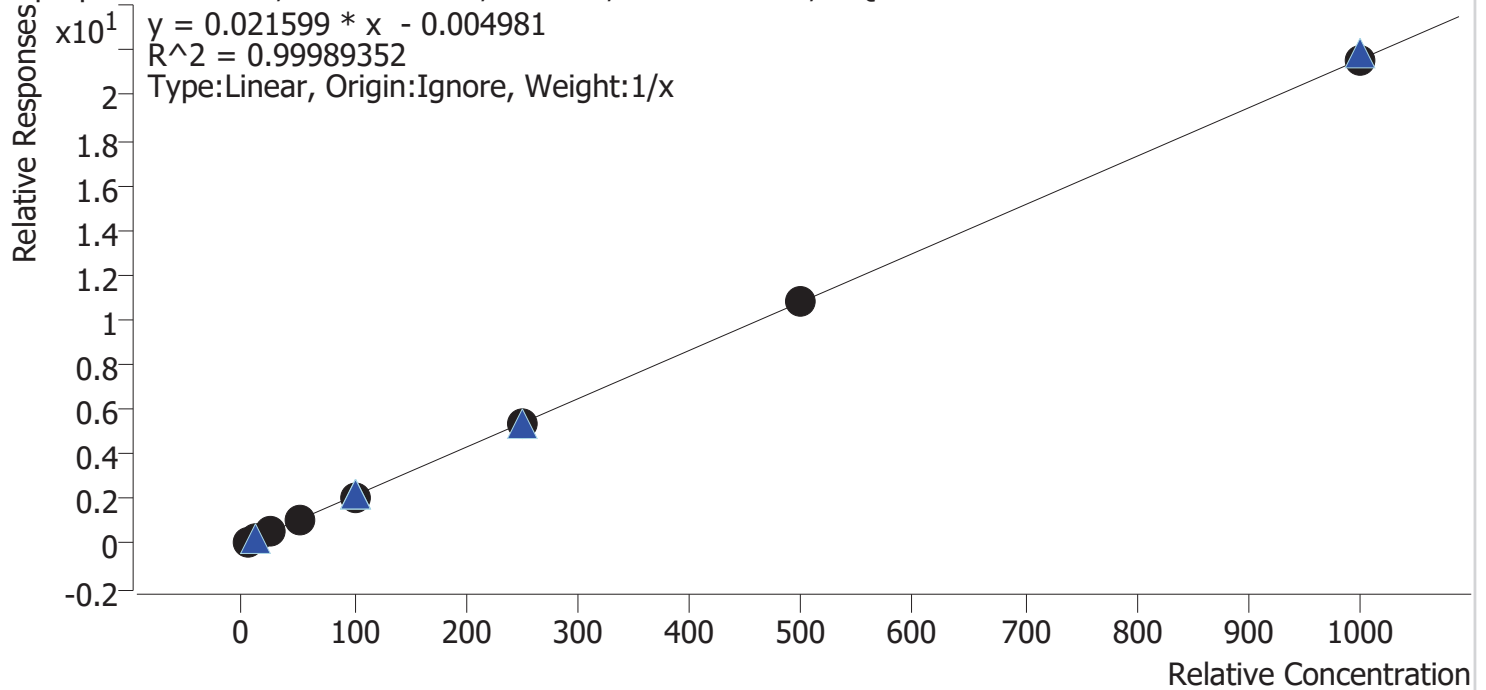
Dropped cal 1 and cal 2, 1 ng QC did not meet ratio requirement

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin
Last Cal. Update 4/1/2021 3:02 PM
Analyst Name ISP\datastor
Analyte Bupropion **Internal Standard** Bupropion-D9

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



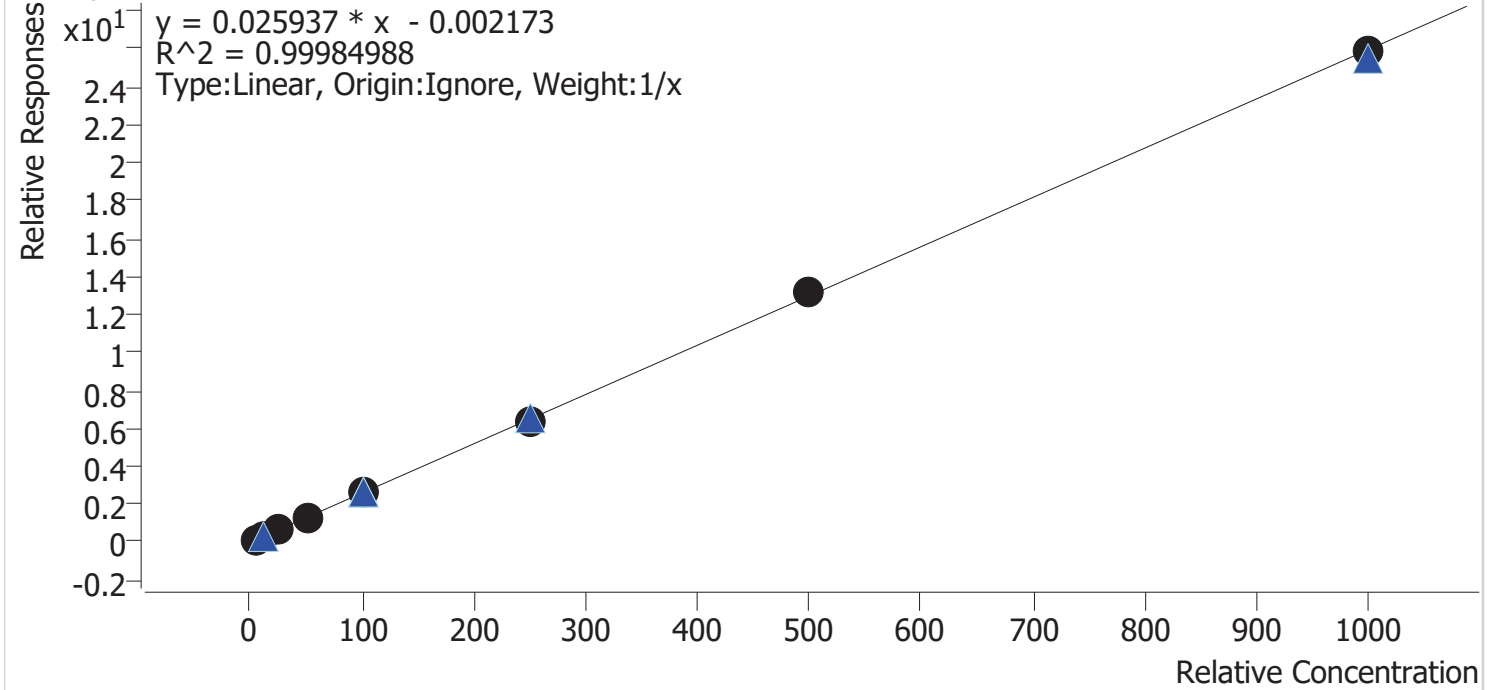
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.3	105.2
cal 2 mdq	2	✓	10.0	9.9	99.1
cal 3 mdq	3	✓	25.0	23.7	94.6
cal 4 mdq	4	✓	50.0	51.4	102.8
cal 5 mdq	5	✓	100.0	98.6	98.6
cal 6 mdq	6	✓	250.0	247.4	99.0
cal 7 mdq	7	✓	500.0	502.8	100.6
cal 8 mdq	8	✓	1000.0	1001.0	100.1

Compound Calibration Report



Batch results	D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin		
Last Cal. Update	4/1/2021 3:02 PM		
Analyst Name	ISP\datastor		
Analyte	Carisoprodol	Internal Standard	Carisoprodol-D7

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



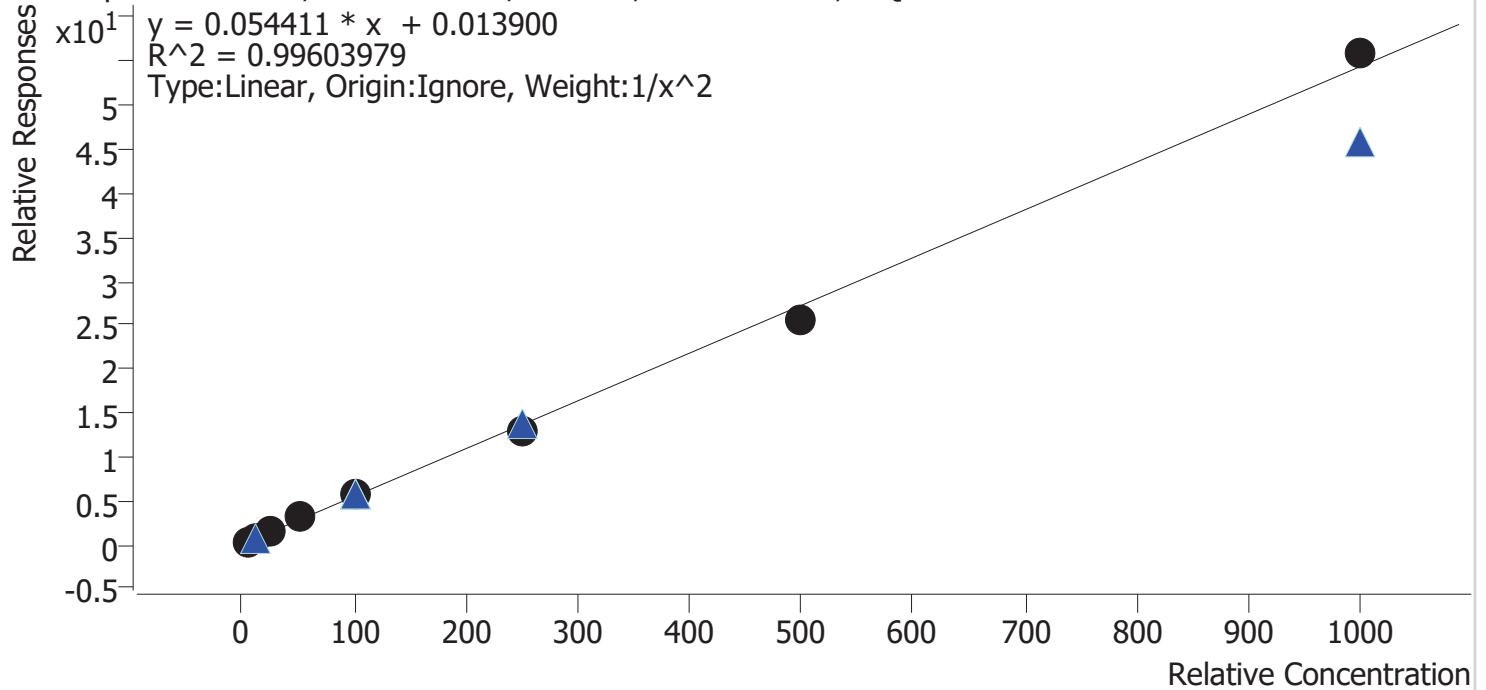
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.4
cal 2 mdq	2	✓	10.0	9.8	97.6
cal 3 mdq	3	✓	25.0	24.3	97.0
cal 4 mdq	4	✓	50.0	52.0	104.0
cal 5 mdq	5	✓	100.0	100.7	100.7
cal 6 mdq	6	✓	250.0	246.0	98.4
cal 7 mdq	7	✓	500.0	506.0	101.2
cal 8 mdq	8	✓	1000.0	996.1	99.6

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin
Last Cal. Update 4/1/2021 3:02 PM
Analyst Name ISP\datastor
Analyte Clonazepam **Internal Standard** Clonazepam-D4

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



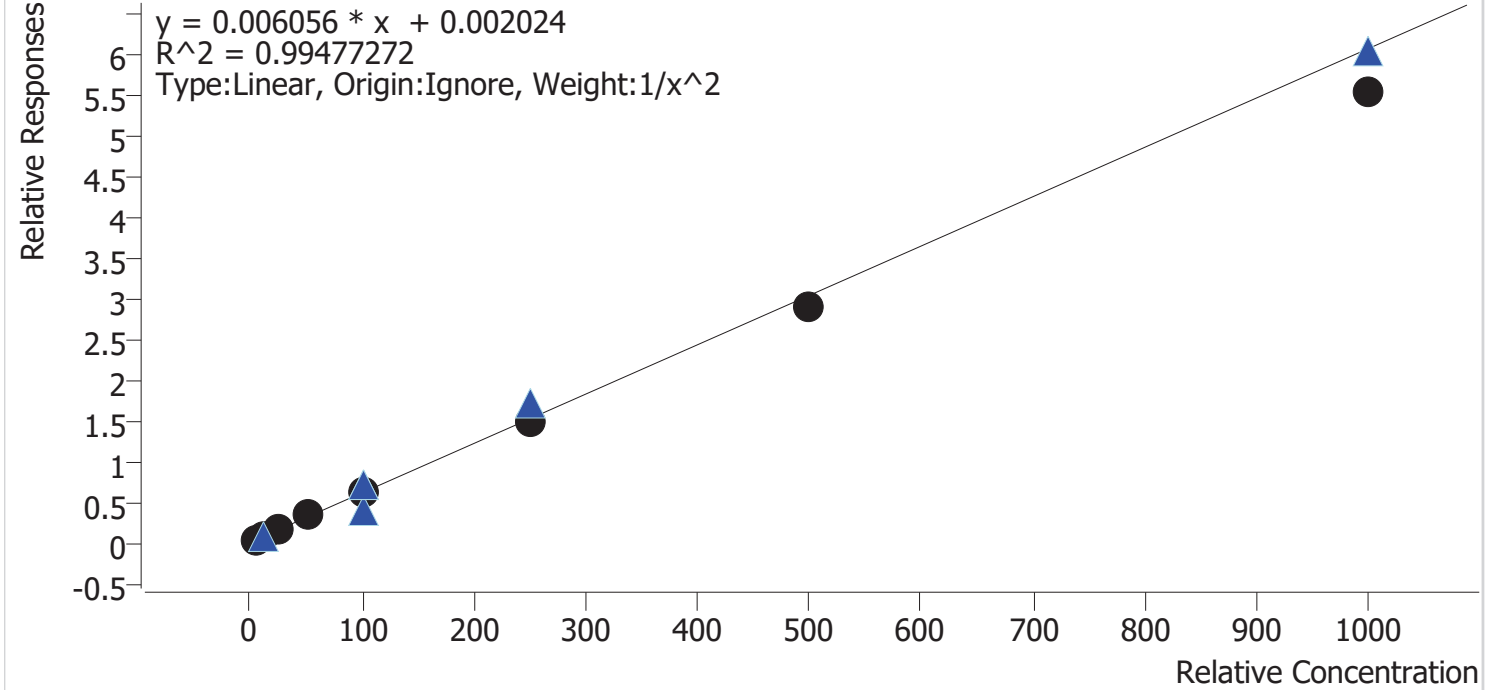
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.1
cal 2 mdq	2	✓	10.0	9.3	93.2
cal 3 mdq	3	✓	25.0	25.7	102.8
cal 4 mdq	4	✓	50.0	54.4	108.7
cal 5 mdq	5	✓	100.0	101.8	101.8
cal 6 mdq	6	✓	250.0	235.1	94.1
cal 7 mdq	7	✓	500.0	473.4	94.7
cal 8 mdq	8	✓	1000.0	1027.3	102.7

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin
Last Cal. Update 4/1/2021 3:02 PM
Analyst Name ISP\datastor
Analyte Clonazolam **Internal Standard** Alprazolam-D5

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



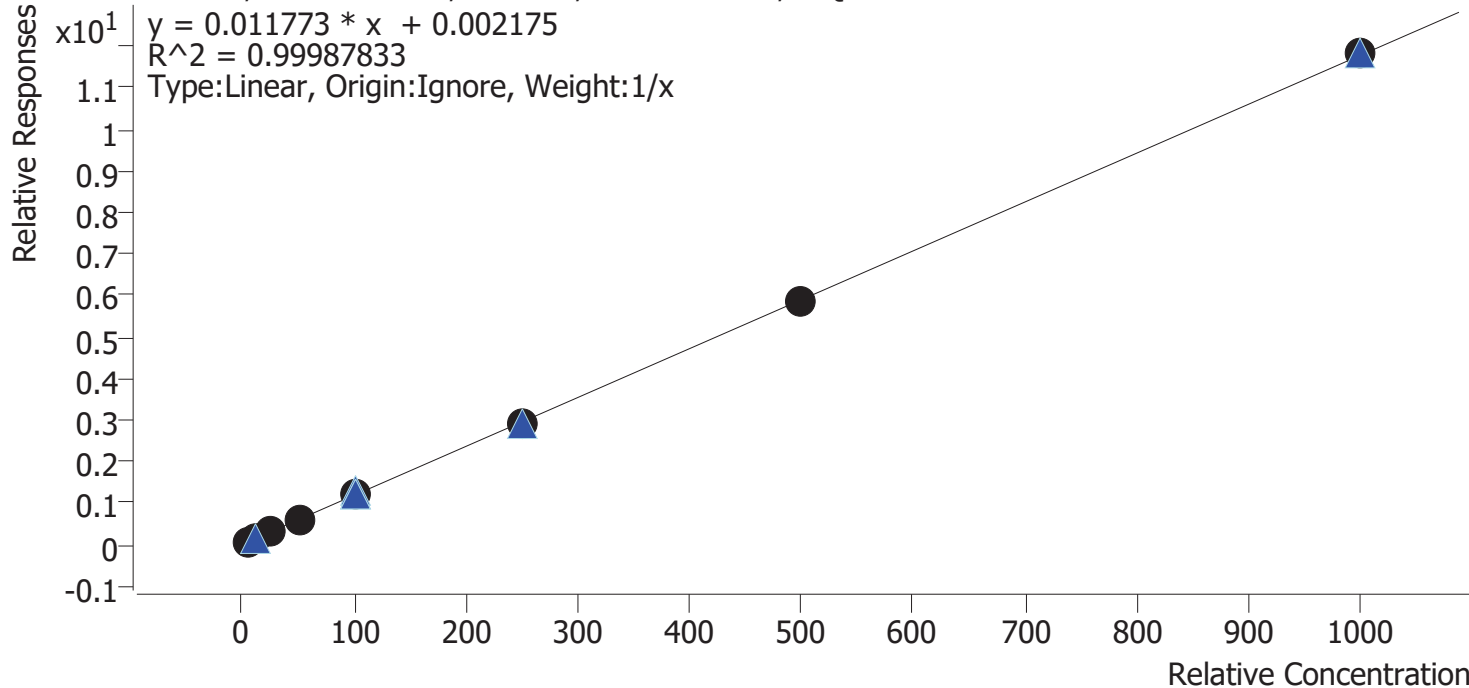
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.0
cal 2 mdq	2	✓	10.0	10.1	100.7
cal 3 mdq	3	✓	25.0	25.6	102.2
cal 4 mdq	4	✓	50.0	56.3	112.6
cal 5 mdq	5	✓	100.0	102.1	102.1
cal 6 mdq	6	✓	250.0	244.0	97.6
cal 7 mdq	7	✓	500.0	479.2	95.8
cal 8 mdq	8	✓	1000.0	909.4	90.9

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin
Last Cal. Update 4/1/2021 3:02 PM
Analyst Name ISP\datastor
Analyte Cocaine **Internal Standard** Cocaine-d3

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



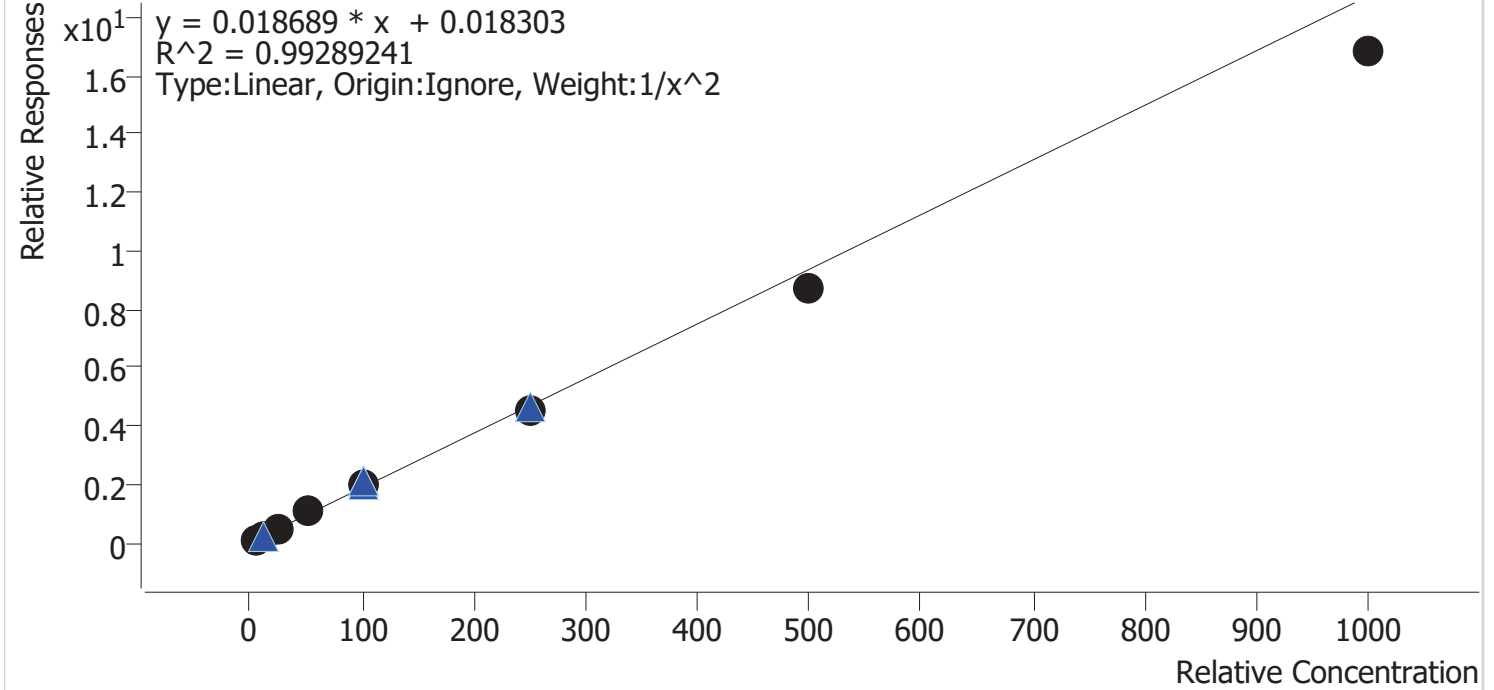
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.4
cal 2 mdq	2	✓	10.0	10.0	100.4
cal 3 mdq	3	✓	25.0	24.2	96.7
cal 4 mdq	4	✓	50.0	52.3	104.6
cal 5 mdq	5	✓	100.0	100.9	100.9
cal 6 mdq	6	✓	250.0	249.0	99.6
cal 7 mdq	7	✓	500.0	494.8	99.0
cal 8 mdq	8	✓	1000.0	1003.8	100.4

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin
Last Cal. Update 4/1/2021 3:02 PM
Analyst Name ISP\datastor
Analyte Codeine **Internal Standard** Codeine-D6

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



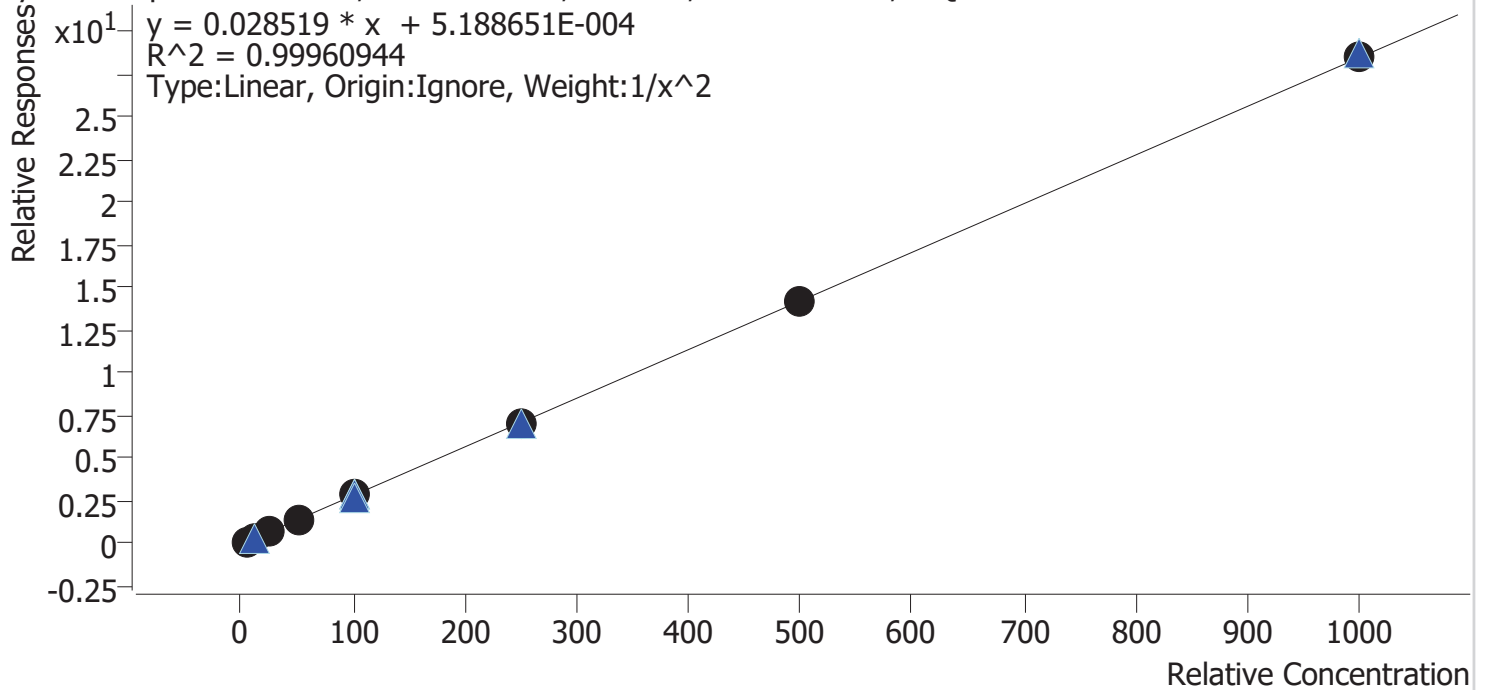
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.0
cal 2 mdq	2	✓	10.0	9.8	98.3
cal 3 mdq	3	✓	25.0	27.1	108.3
cal 4 mdq	4	✓	50.0	55.7	111.5
cal 5 mdq	5	✓	100.0	103.4	103.4
cal 6 mdq	6	✓	250.0	244.5	97.8
cal 7 mdq	7	✓	500.0	464.3	92.9
cal 8 mdq	8	✓	1000.0	898.5	89.8

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin
Last Cal. Update 4/1/2021 3:02 PM
Analyst Name ISP\datastor
Analyte Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

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



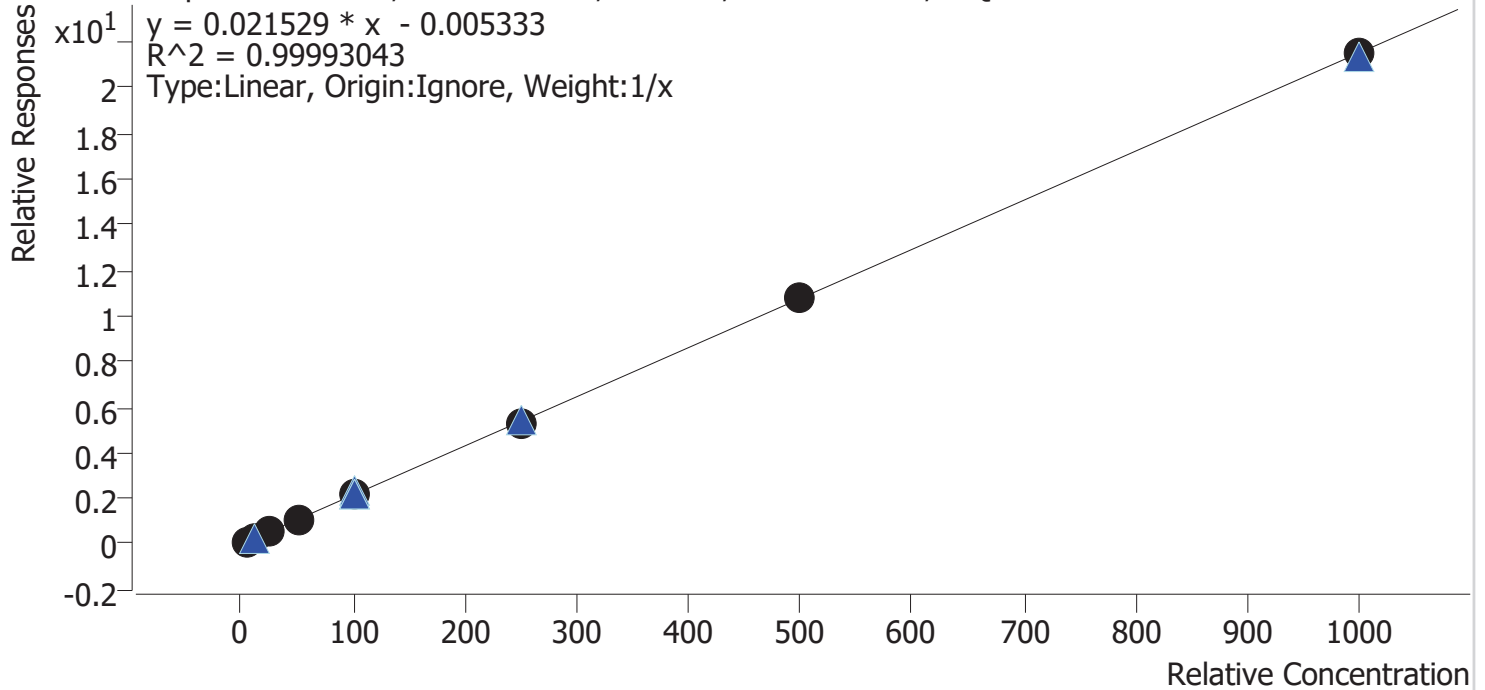
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.8
cal 2 mdq	2	✓	10.0	10.0	100.1
cal 3 mdq	3	✓	25.0	24.7	98.8
cal 4 mdq	4	✓	50.0	51.9	103.9
cal 5 mdq	5	✓	100.0	100.0	100.0
cal 6 mdq	6	✓	250.0	245.5	98.2
cal 7 mdq	7	✓	500.0	495.6	99.1
cal 8 mdq	8	✓	1000.0	1000.4	100.0

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin
Last Cal. Update 4/1/2021 3:02 PM
Analyst Name ISP\datastor
Analyte Dextromethorphan **Internal Standard** Dextromethorphan-D3

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



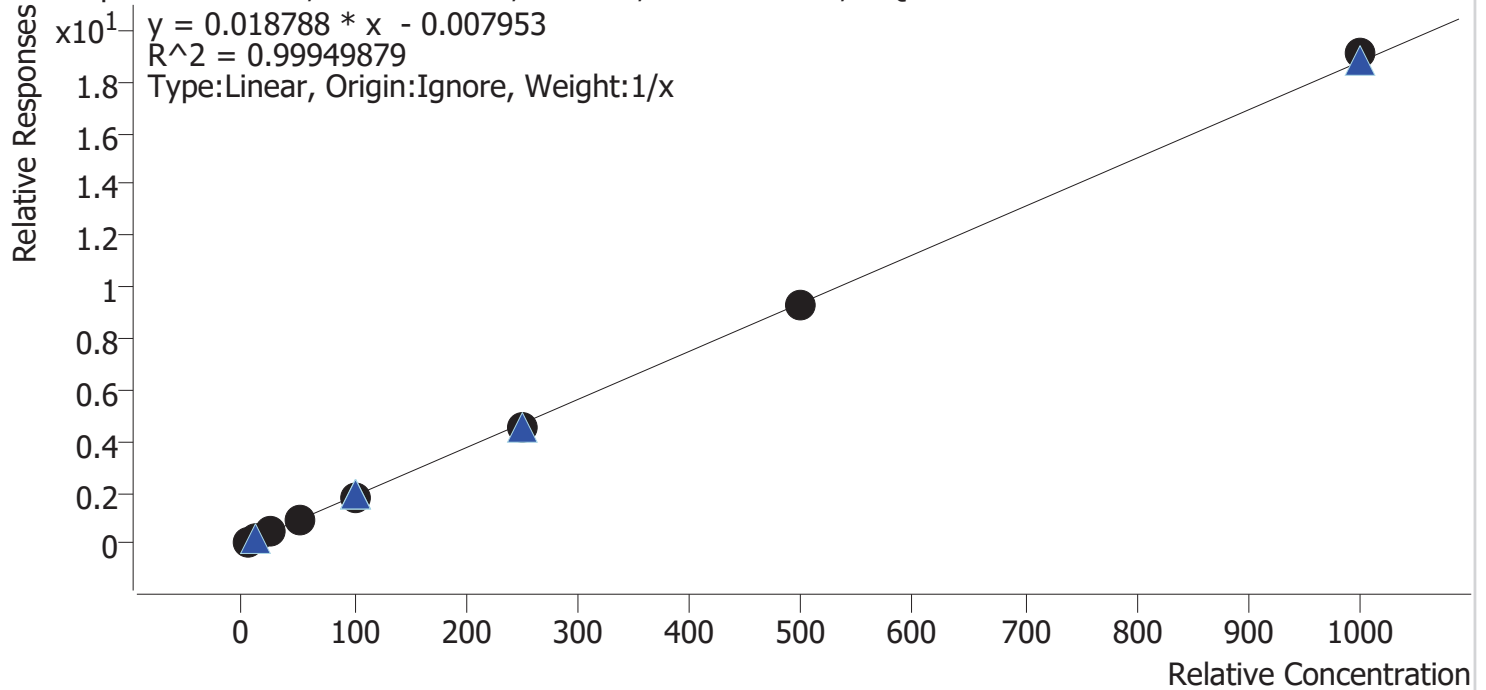
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.6
cal 2 mdq	2	✓	10.0	10.0	100.4
cal 3 mdq	3	✓	25.0	24.4	97.7
cal 4 mdq	4	✓	50.0	52.1	104.2
cal 5 mdq	5	✓	100.0	100.6	100.6
cal 6 mdq	6	✓	250.0	248.3	99.3
cal 7 mdq	7	✓	500.0	501.2	100.2
cal 8 mdq	8	✓	1000.0	998.5	99.8

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin
Last Cal. Update 4/1/2021 3:02 PM
Analyst Name ISP\datastor
Analyte Dextrorphan **Internal Standard** Dextrorphan-D3

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



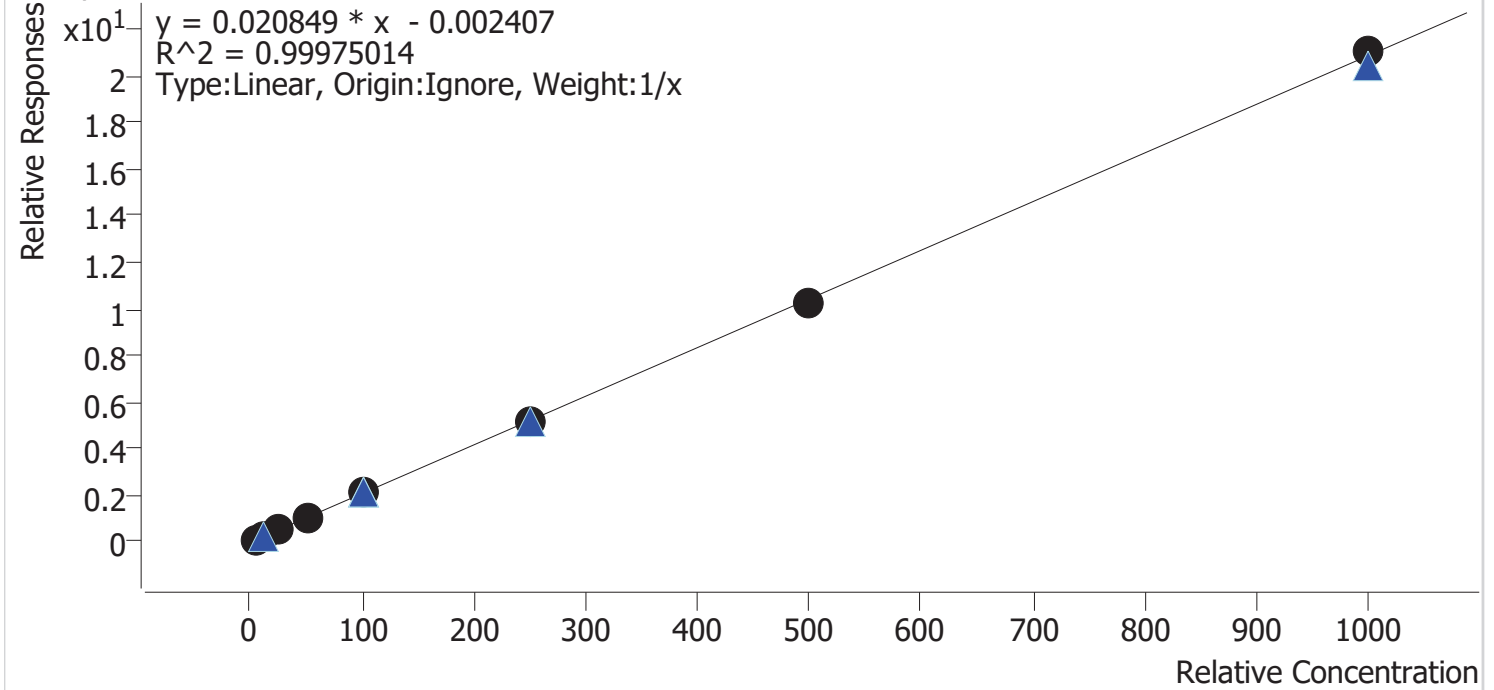
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.4	107.7
cal 2 mdq	2	✓	10.0	10.1	101.0
cal 3 mdq	3	✓	25.0	23.9	95.6
cal 4 mdq	4	✓	50.0	50.8	101.7
cal 5 mdq	5	✓	100.0	97.1	97.1
cal 6 mdq	6	✓	250.0	240.0	96.0
cal 7 mdq	7	✓	500.0	496.0	99.2
cal 8 mdq	8	✓	1000.0	1016.7	101.7

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin
Last Cal. Update 4/1/2021 3:02 PM
Analyst Name ISP\datastor
Analyte Diazepam **Internal Standard** Diazepam-D5

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

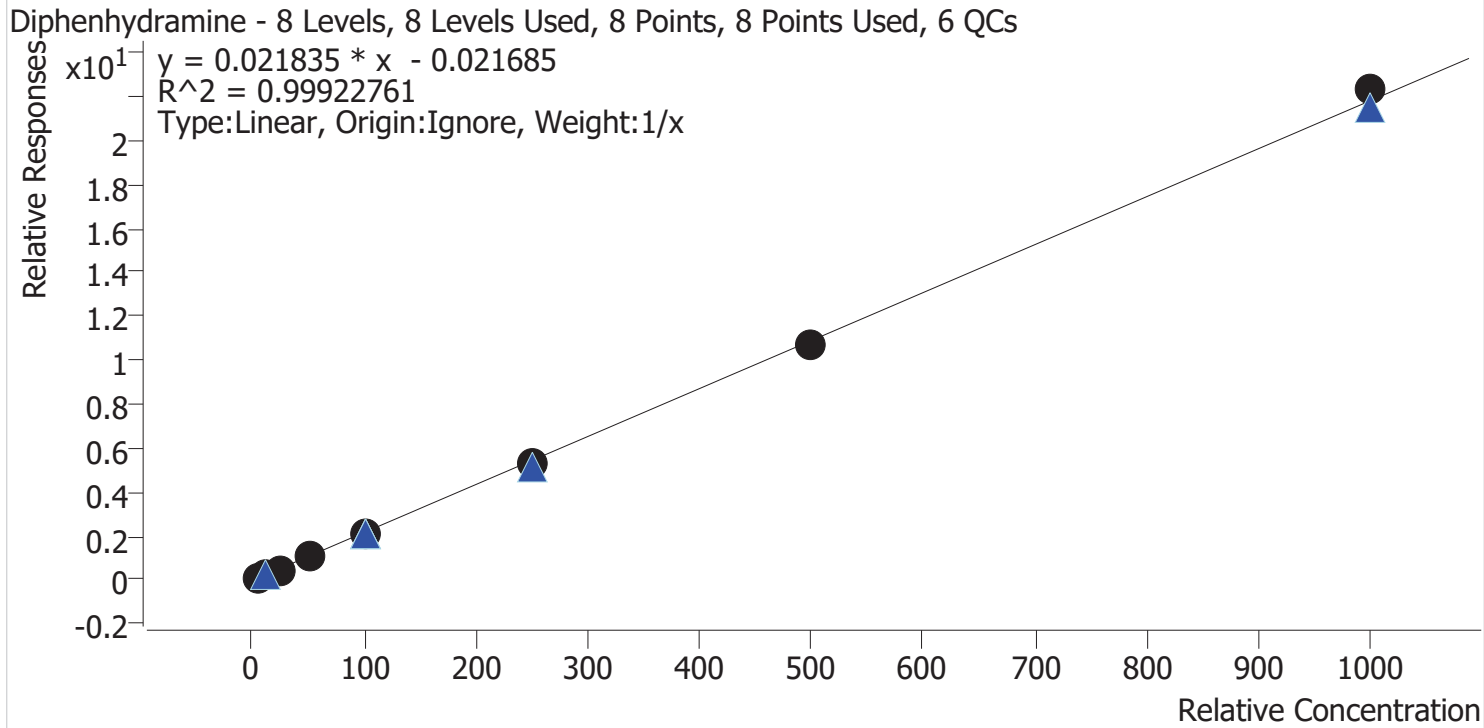


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.9
cal 2 mdq	2	✓	10.0	9.9	99.0
cal 3 mdq	3	✓	25.0	24.5	97.9
cal 4 mdq	4	✓	50.0	52.7	105.3
cal 5 mdq	5	✓	100.0	101.5	101.5
cal 6 mdq	6	✓	250.0	245.1	98.0
cal 7 mdq	7	✓	500.0	493.0	98.6
cal 8 mdq	8	✓	1000.0	1008.5	100.8

Compound Calibration Report



Batch results	D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin		
Last Cal. Update	4/1/2021 3:02 PM		
Analyst Name	ISP\datastor		
Analyte	Diphenhydramine	Internal Standard	Diphenhydramine-D3



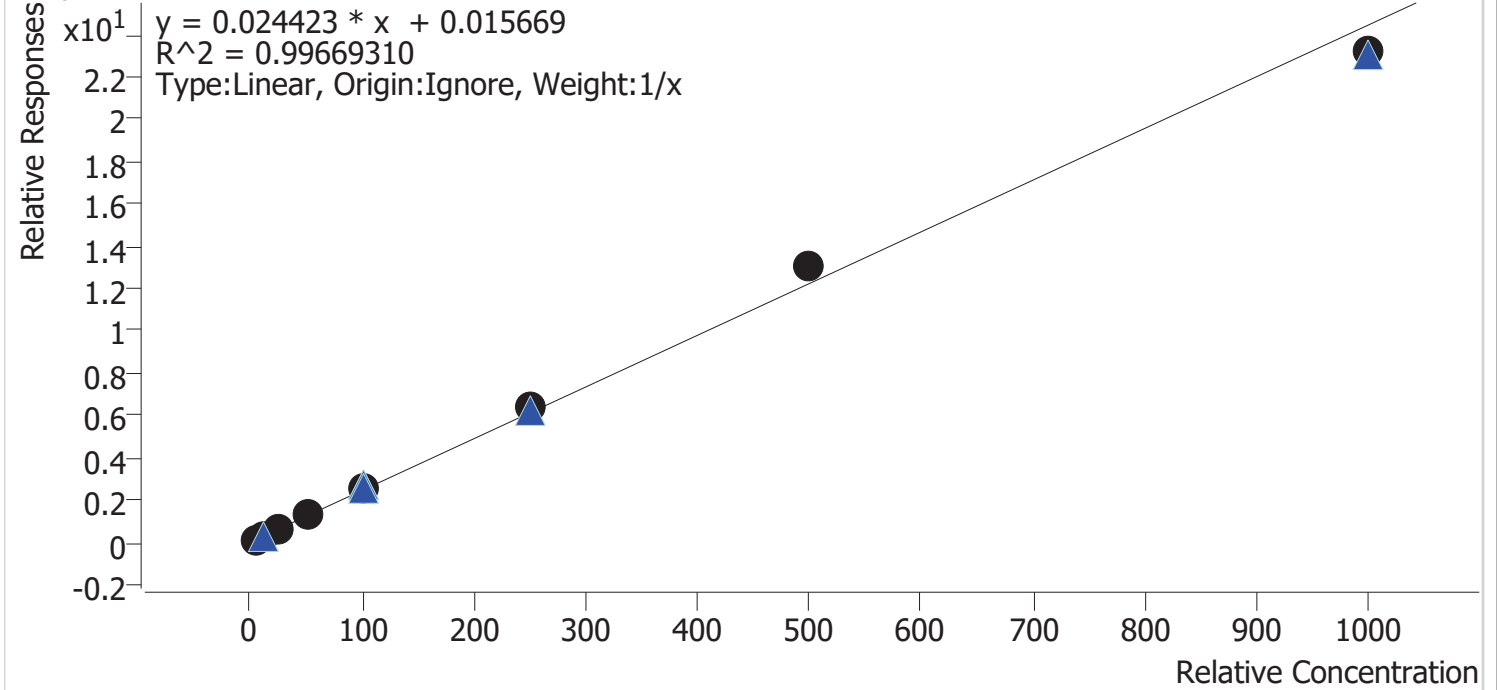
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.6	112.5
cal 2 mdq	2	✓	10.0	10.0	100.3
cal 3 mdq	3	✓	25.0	23.4	93.5
cal 4 mdq	4	✓	50.0	50.4	100.7
cal 5 mdq	5	✓	100.0	96.0	96.0
cal 6 mdq	6	✓	250.0	242.2	96.9
cal 7 mdq	7	✓	500.0	489.1	97.8
cal 8 mdq	8	✓	1000.0	1023.3	102.3

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin
Last Cal. Update 4/1/2021 3:02 PM
Analyst Name ISP\datastor
Analyte Doxylamine **Internal Standard** Doxylamine-D5

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



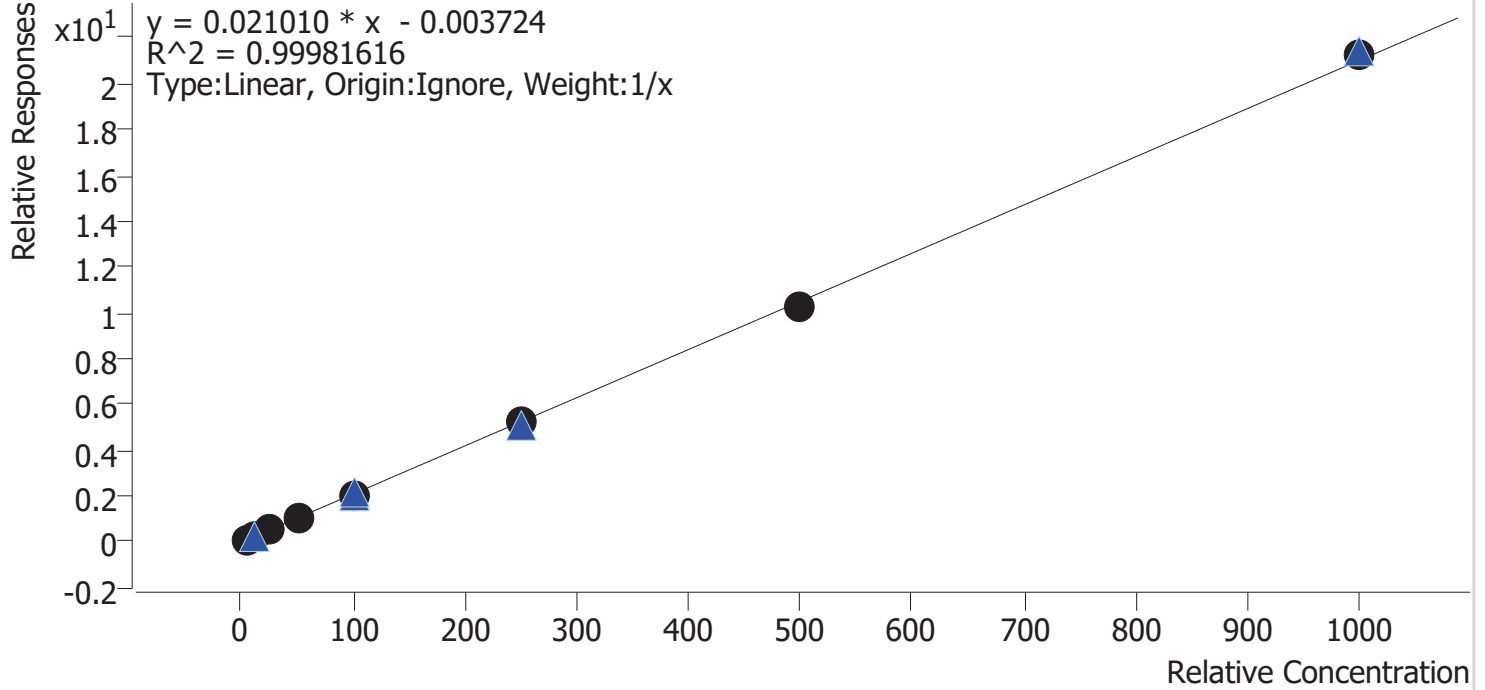
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.6	91.3
cal 2 mdq	2	✓	10.0	9.4	93.7
cal 3 mdq	3	✓	25.0	24.5	98.1
cal 4 mdq	4	✓	50.0	53.0	106.0
cal 5 mdq	5	✓	100.0	104.3	104.3
cal 6 mdq	6	✓	250.0	262.8	105.1
cal 7 mdq	7	✓	500.0	532.6	106.5
cal 8 mdq	8	✓	1000.0	948.7	94.9

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin
Last Cal. Update 4/1/2021 3:02 PM
Analyst Name ISP\datastor
Analyte EDDP **Internal Standard** EDDP-D3

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



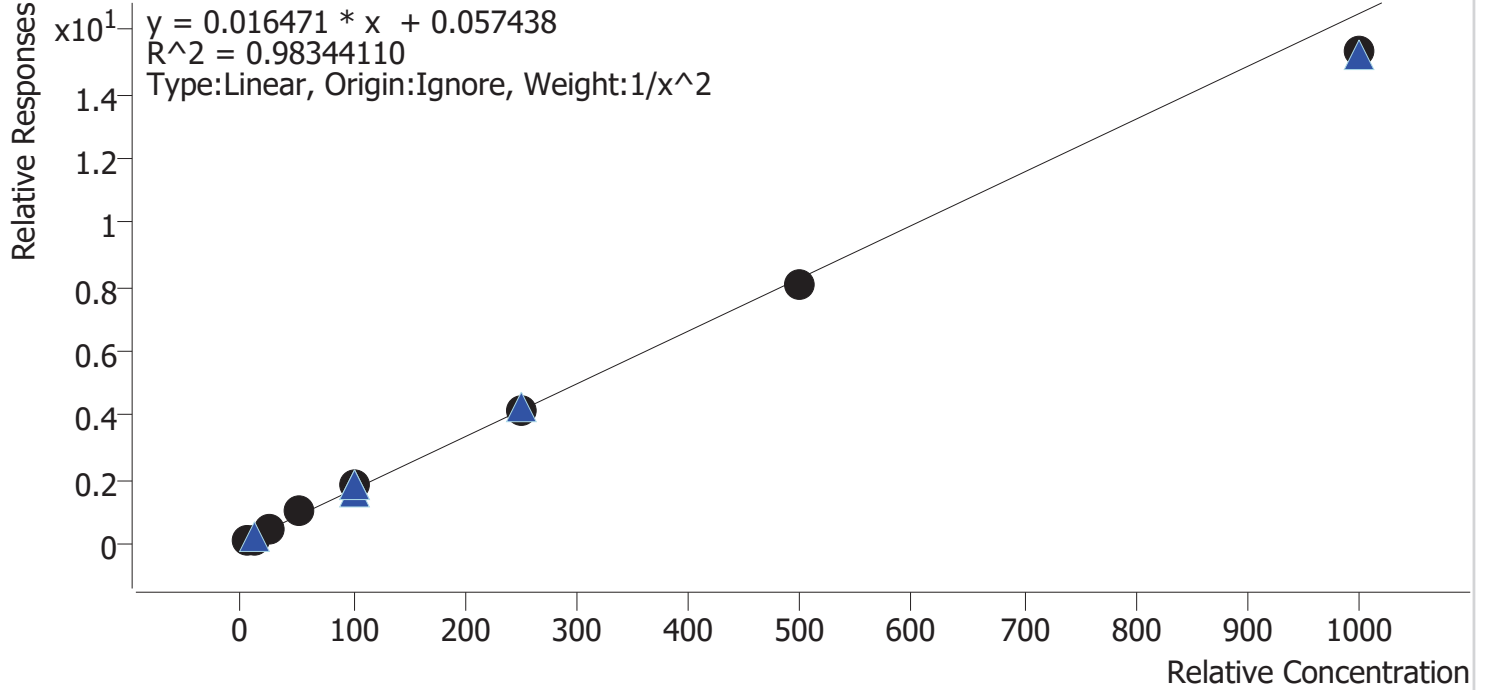
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	103.5
cal 2 mdq	2	✓	10.0	10.1	101.2
cal 3 mdq	3	✓	25.0	23.9	95.7
cal 4 mdq	4	✓	50.0	50.7	101.4
cal 5 mdq	5	✓	100.0	99.8	99.8
cal 6 mdq	6	✓	250.0	247.0	98.8
cal 7 mdq	7	✓	500.0	492.6	98.5
cal 8 mdq	8	✓	1000.0	1010.8	101.1

Compound Calibration Report



Batch results	D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin		
Last Cal. Update	4/1/2021 3:02 PM		
Analyst Name	ISP\datastor		
Analyte	Etizolam	Internal Standard	Diazepam-D5

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



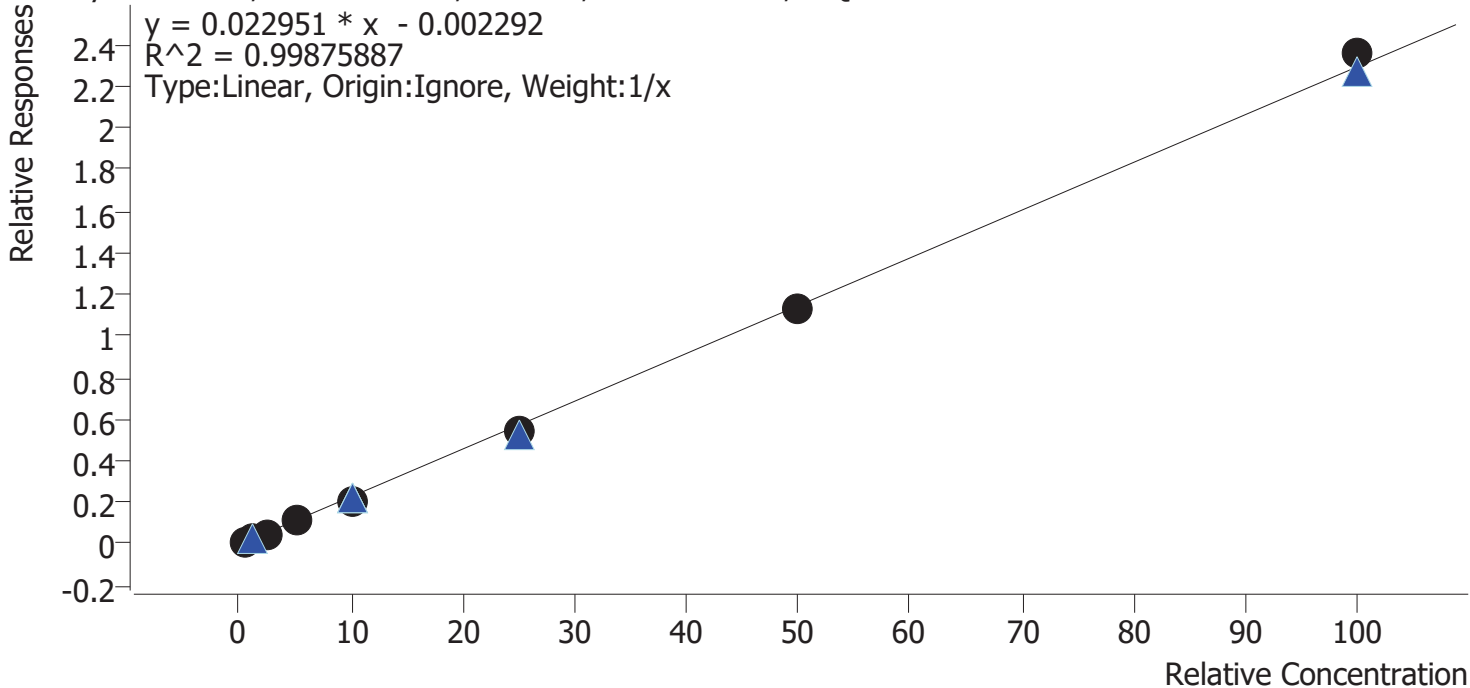
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.5	109.3
cal 2 mdq	2	✓	10.0	7.8	77.9
cal 3 mdq	3	✓	25.0	25.0	100.0
cal 4 mdq	4	✓	50.0	57.5	114.9
cal 5 mdq	5	✓	100.0	106.0	106.0
cal 6 mdq	6	✓	250.0	252.4	101.0
cal 7 mdq	7	✓	500.0	490.4	98.1
cal 8 mdq	8	✓	1000.0	928.1	92.8

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin
Last Cal. Update 4/1/2021 3:02 PM
Analyst Name ISP\datastor
Analyte Fentanyl **Internal Standard** Fentanyl-D5

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

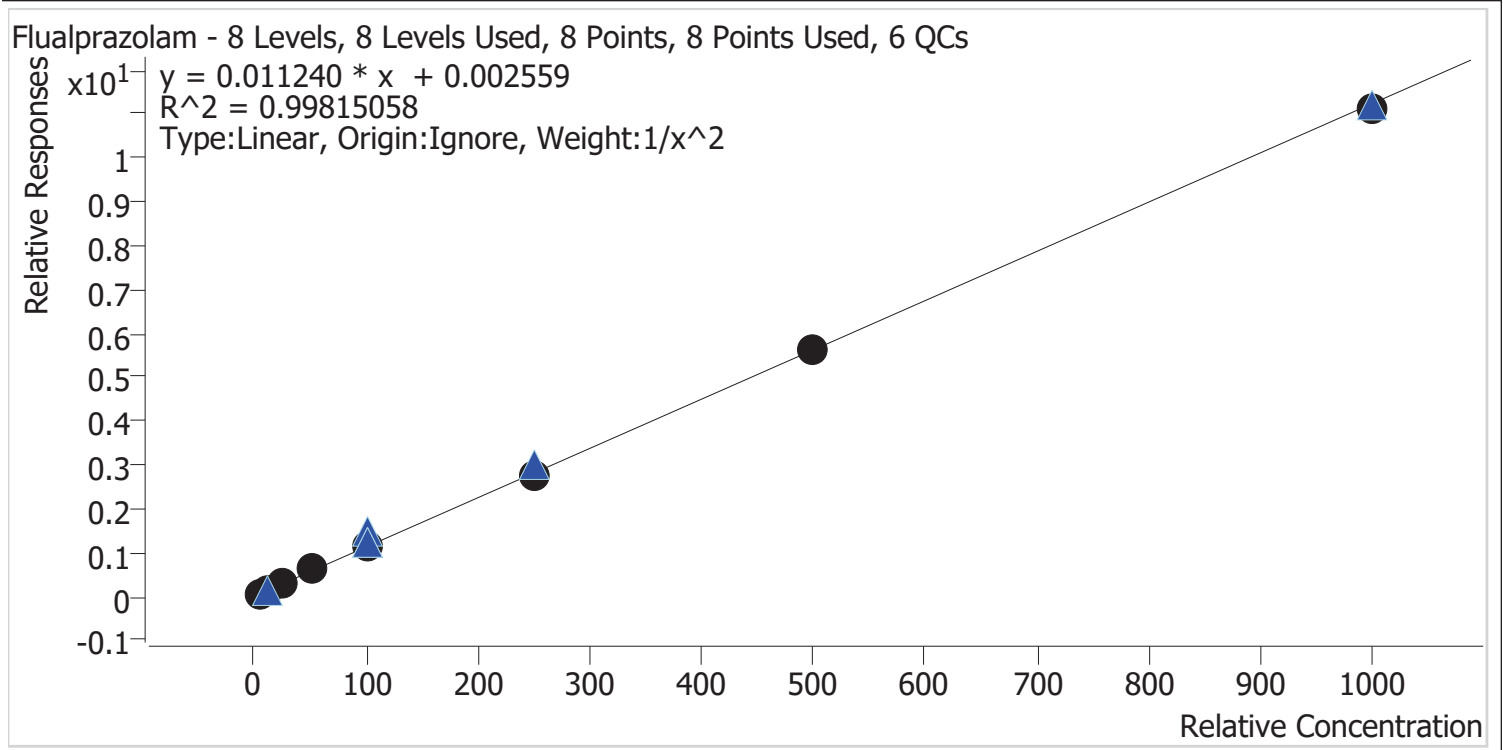


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.6	114.9
cal 2 mdq	2	✓	1.0	1.1	105.5
cal 3 mdq	3	✓	2.5	2.3	91.3
cal 4 mdq	4	✓	5.0	4.9	98.6
cal 5 mdq	5	✓	10.0	9.3	92.6
cal 6 mdq	6	✓	25.0	24.0	96.1
cal 7 mdq	7	✓	50.0	49.1	98.2
cal 8 mdq	8	✓	100.0	102.8	102.8

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin
Last Cal. Update 4/1/2021 3:02 PM
Analyst Name ISP\datastor
Analyte Flualprazolam **Internal Standard** Alprazolam-D5



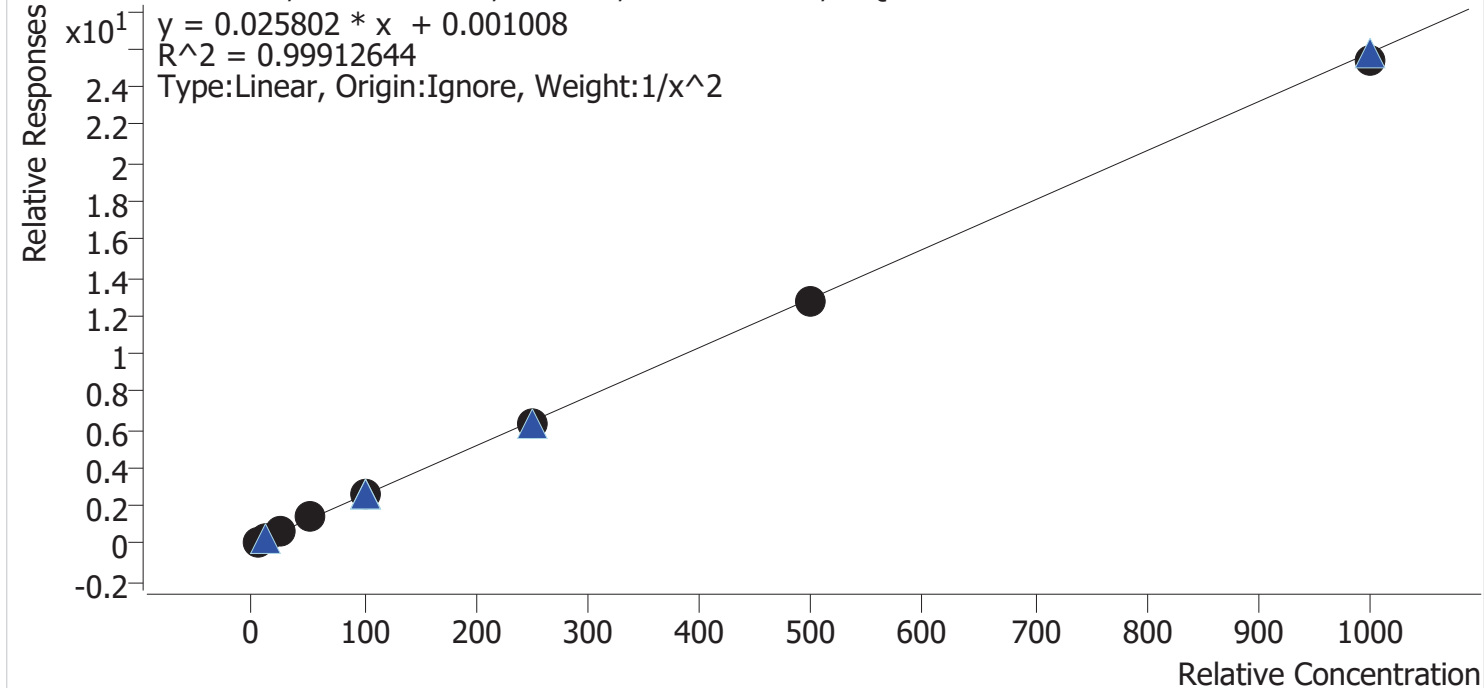
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.5
cal 2 mdq	2	✓	10.0	9.6	96.4
cal 3 mdq	3	✓	25.0	24.5	97.9
cal 4 mdq	4	✓	50.0	54.2	108.5
cal 5 mdq	5	✓	100.0	97.9	97.9
cal 6 mdq	6	✓	250.0	246.8	98.7
cal 7 mdq	7	✓	500.0	499.1	99.8
cal 8 mdq	8	✓	1000.0	992.5	99.2

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin
Last Cal. Update 4/1/2021 3:02 PM
Analyst Name ISP\datastor
Analyte Fluoxetine **Internal Standard** Fluoxetine-D6

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



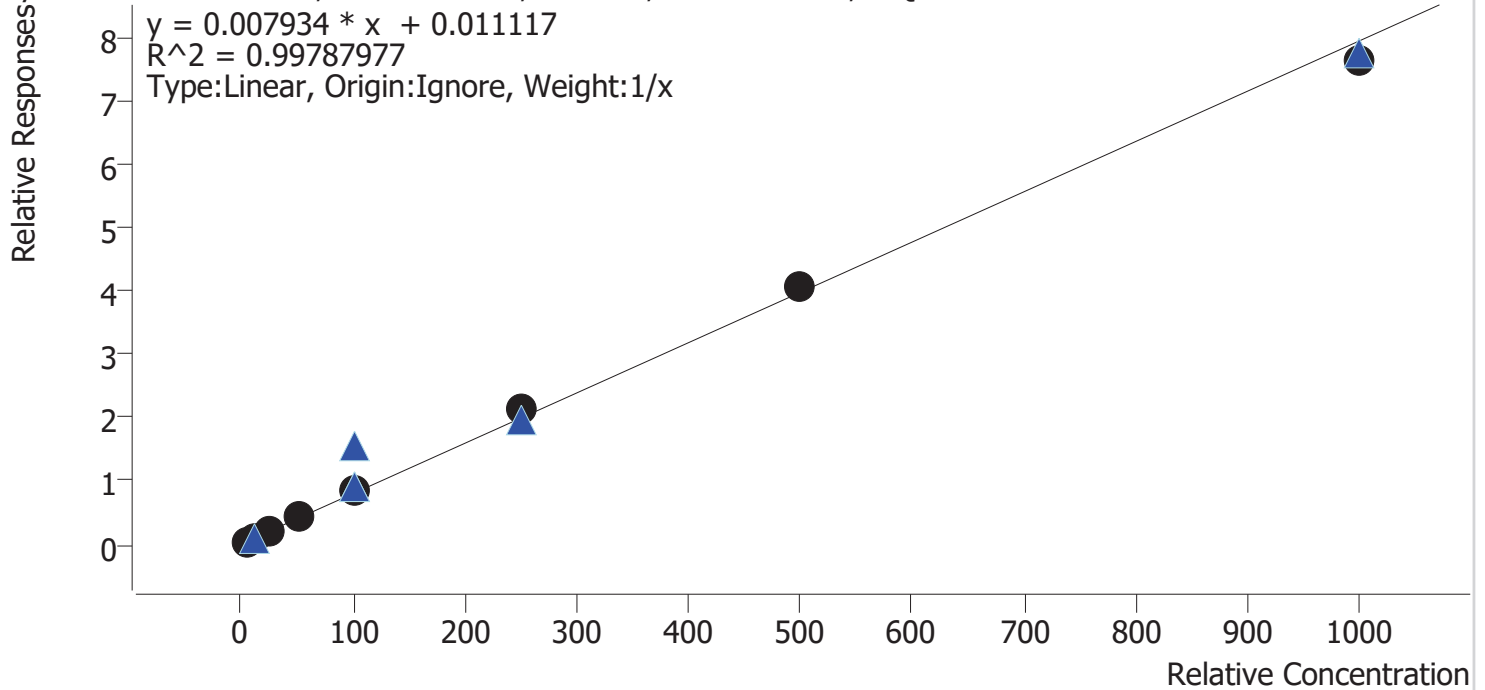
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.7
cal 2 mdq	2	✓	10.0	10.0	100.1
cal 3 mdq	3	✓	25.0	24.6	98.5
cal 4 mdq	4	✓	50.0	52.9	105.7
cal 5 mdq	5	✓	100.0	101.3	101.3
cal 6 mdq	6	✓	250.0	245.5	98.2
cal 7 mdq	7	✓	500.0	492.0	98.4
cal 8 mdq	8	✓	1000.0	981.1	98.1

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin
Last Cal. Update 4/1/2021 3:02 PM
Analyst Name ISP\datastor
Analyte Hydrocodone **Internal Standard** Hydrocodone-D6

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



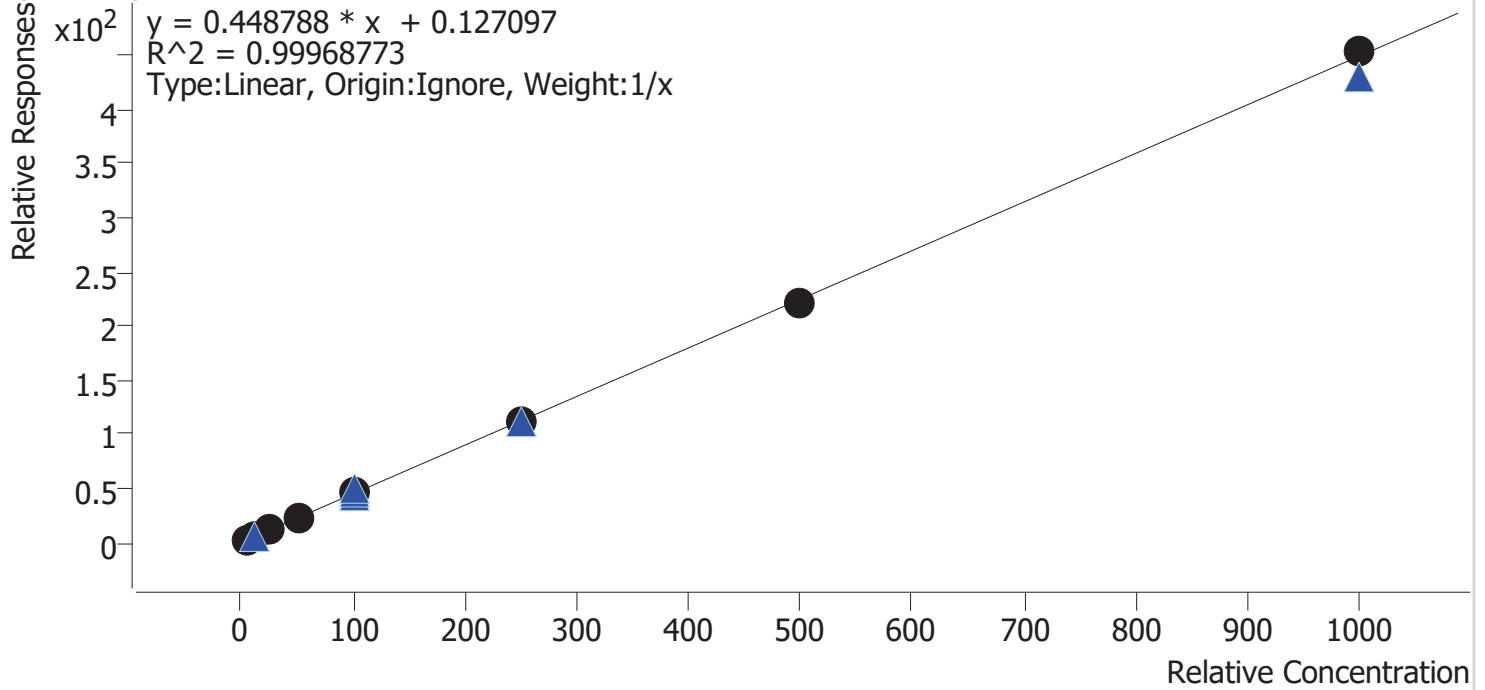
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.1	82.7
cal 2 mdq	2	✓	10.0	9.5	95.4
cal 3 mdq	3	✓	25.0	25.5	102.2
cal 4 mdq	4	✓	50.0	55.0	109.9
cal 5 mdq	5	✓	100.0	104.5	104.5
cal 6 mdq	6	✓	250.0	266.2	106.5
cal 7 mdq	7	✓	500.0	513.5	102.7
cal 8 mdq	8	✓	1000.0	961.7	96.2

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin
Last Cal. Update 4/1/2021 3:02 PM
Analyst Name ISP\datastor
Analyte Hydromorphone **Internal Standard** **Morphine-D6**

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



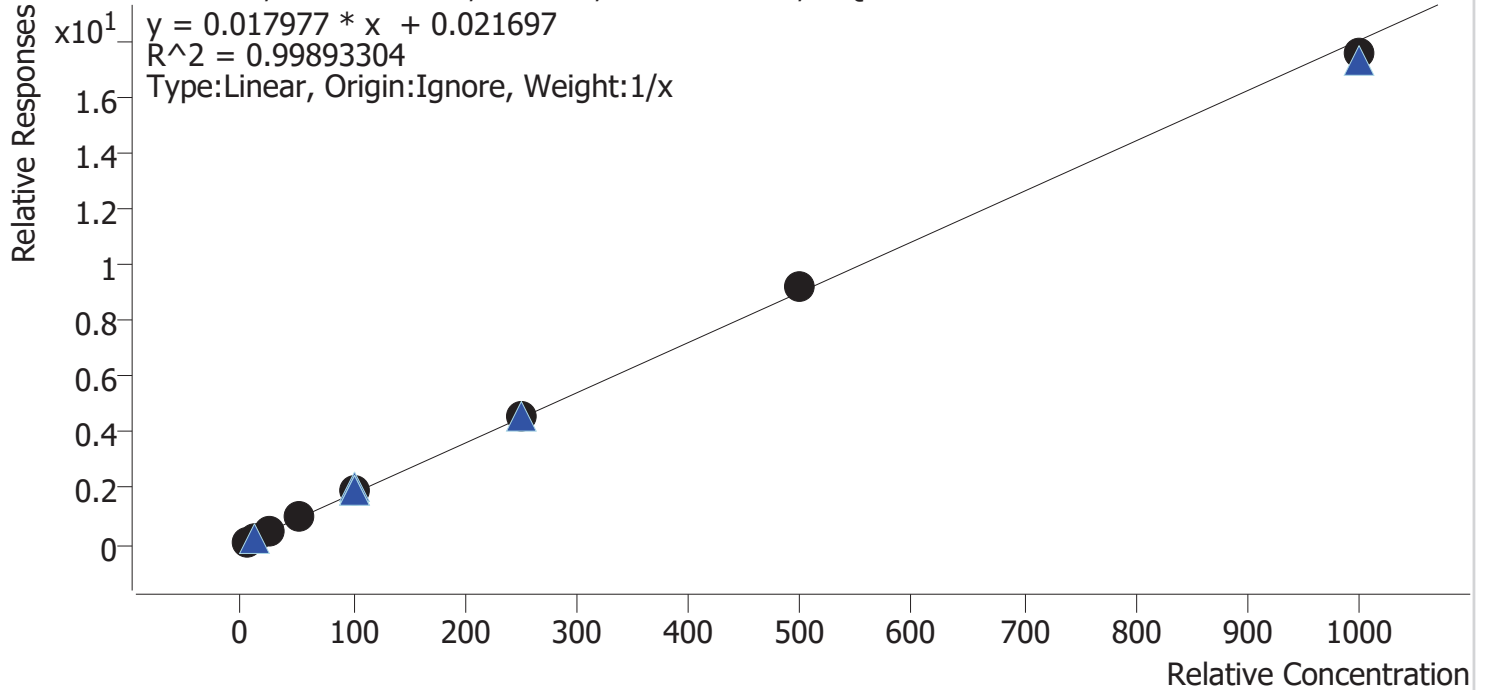
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.4	107.3
cal 2 mdq	2	✓	10.0	9.6	96.1
cal 3 mdq	3	✓	25.0	23.3	93.3
cal 4 mdq	4	✓	50.0	52.3	104.6
cal 5 mdq	5	✓	100.0	101.1	101.1
cal 6 mdq	6	✓	250.0	244.3	97.7
cal 7 mdq	7	✓	500.0	494.5	98.9
cal 8 mdq	8	✓	1000.0	1009.5	100.9

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin
Last Cal. Update 4/1/2021 3:02 PM
Analyst Name ISP\datastor
Analyte Ketamine **Internal Standard** Ketamine-D4

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



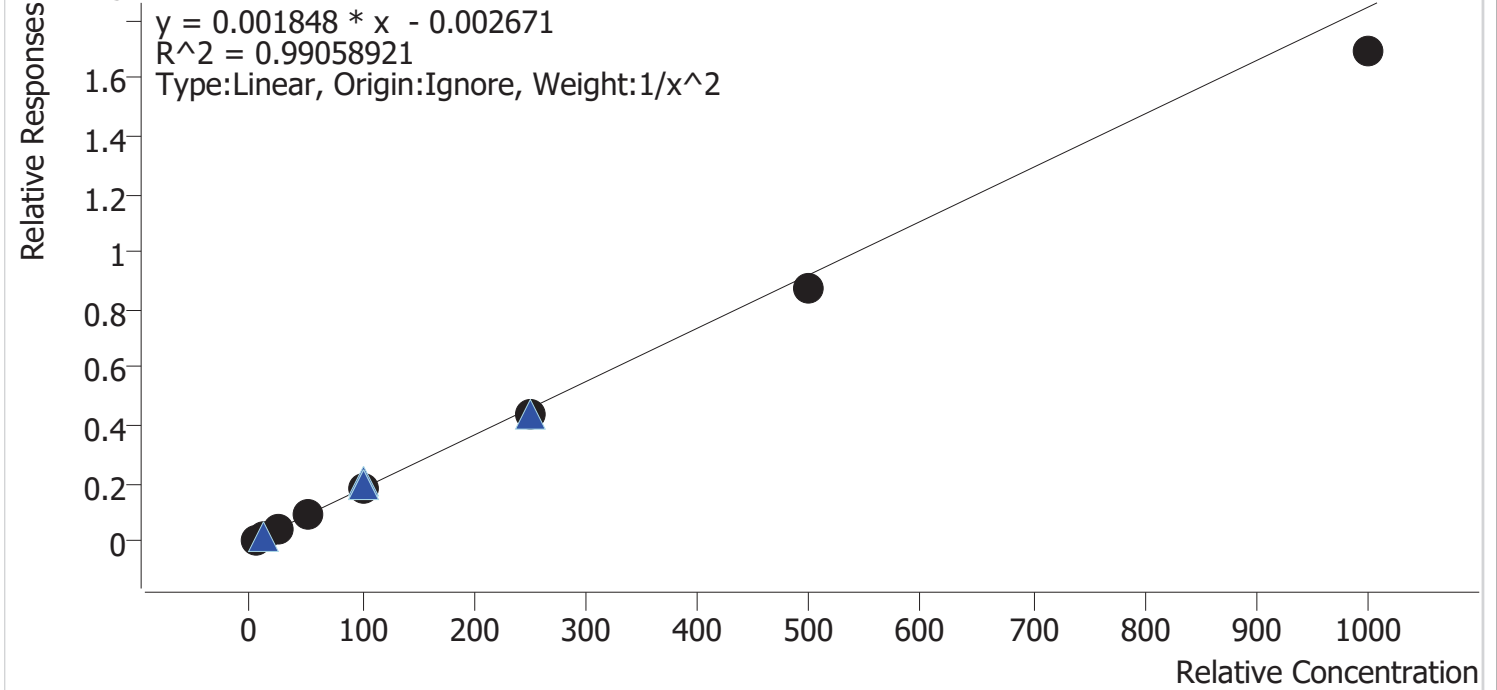
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.3	86.9
cal 2 mdq	2	✓	10.0	9.6	95.7
cal 3 mdq	3	✓	25.0	25.3	101.1
cal 4 mdq	4	✓	50.0	54.8	109.6
cal 5 mdq	5	✓	100.0	104.4	104.4
cal 6 mdq	6	✓	250.0	257.1	102.8
cal 7 mdq	7	✓	500.0	510.9	102.2
cal 8 mdq	8	✓	1000.0	973.7	97.4

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin
Last Cal. Update 4/1/2021 3:02 PM
Analyst Name ISP\datastor
Analyte Lamotrigine **Internal Standard** Fluoxetine-D6

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



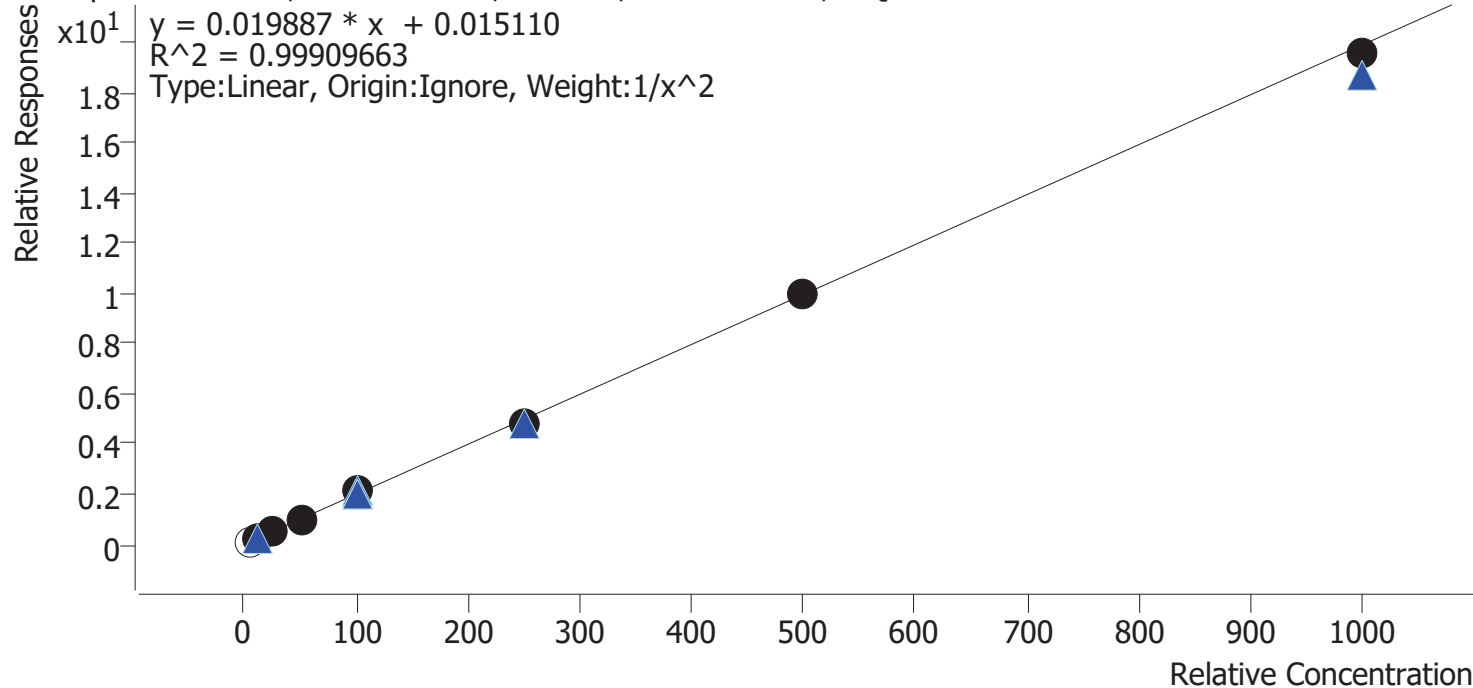
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.6	91.4
cal 2 mdq	2	✓	10.0	11.5	114.7
cal 3 mdq	3	✓	25.0	25.7	102.8
cal 4 mdq	4	✓	50.0	54.7	109.4
cal 5 mdq	5	✓	100.0	99.7	99.7
cal 6 mdq	6	✓	250.0	238.9	95.5
cal 7 mdq	7	✓	500.0	474.4	94.9
cal 8 mdq	8	✓	1000.0	916.8	91.7

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin
Last Cal. Update 4/1/2021 3:02 PM
Analyst Name ISP\datastor
Analyte Lorazepam **Internal Standard** Oxazepam-D5

Lorazepam - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 6 QCs



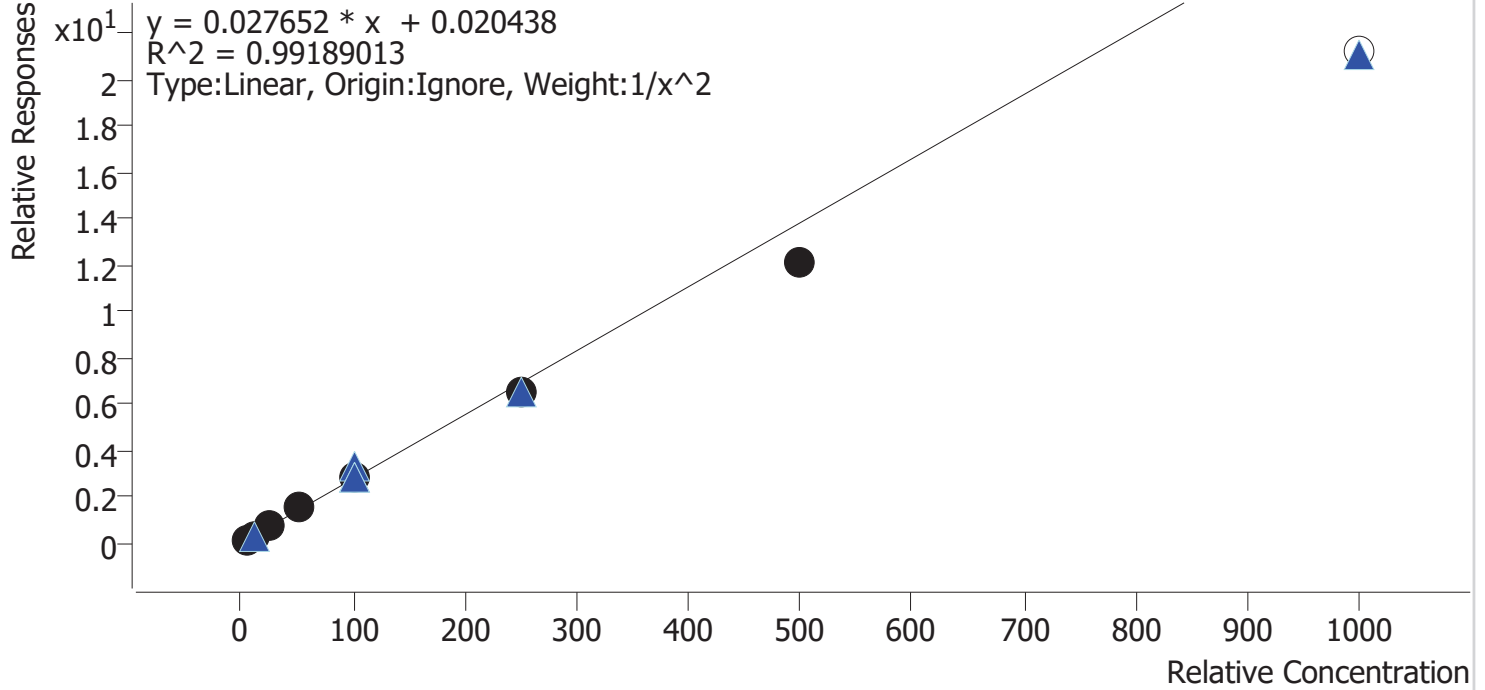
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	×	5.0	4.8	96.2
cal 2 mdq	2	✓	10.0	10.0	100.5
cal 3 mdq	3	✓	25.0	24.3	97.1
cal 4 mdq	4	✓	50.0	50.8	101.6
cal 5 mdq	5	✓	100.0	104.6	104.6
cal 6 mdq	6	✓	250.0	244.7	97.9
cal 7 mdq	7	✓	500.0	500.5	100.1
cal 8 mdq	8	✓	1000.0	982.6	98.3

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin
Last Cal. Update 4/1/2021 3:02 PM
Analyst Name ISP\datastor
Analyte MDA **Internal Standard** MDA-D5

MDA - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 6 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.8
cal 2 mdq	2	✓	10.0	10.3	102.5
cal 3 mdq	3	✓	25.0	26.1	104.6
cal 4 mdq	4	✓	50.0	55.3	110.6
cal 5 mdq	5	✓	100.0	103.7	103.7
cal 6 mdq	6	✓	250.0	235.5	94.2
cal 7 mdq	7	✓	500.0	437.9	87.6
cal 8 mdq	8	×	1000.0	767.2	76.7

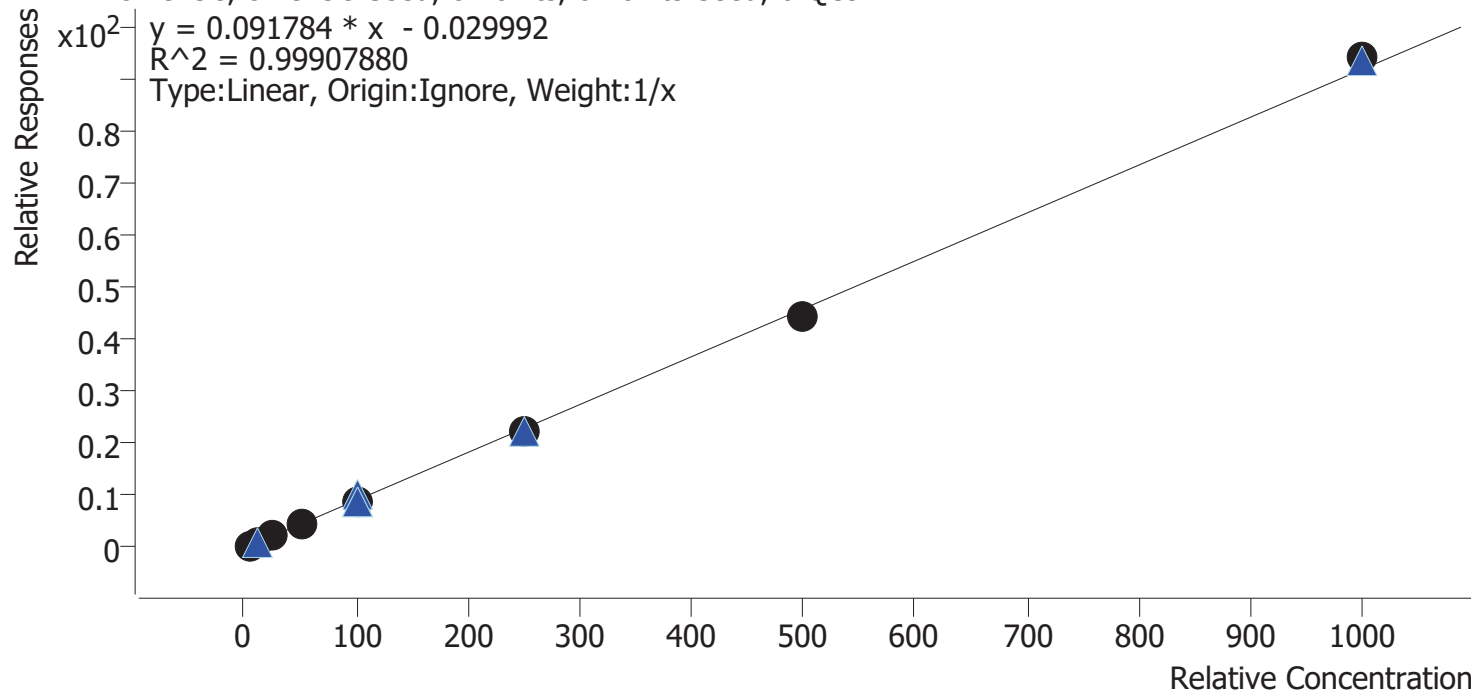
dropped cal 8 does not meet accuracy requirement

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin
Last Cal. Update 4/1/2021 3:02 PM
Analyst Name ISP\datastor
Analyte MDMA **Internal Standard** **MDMA-D6**

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



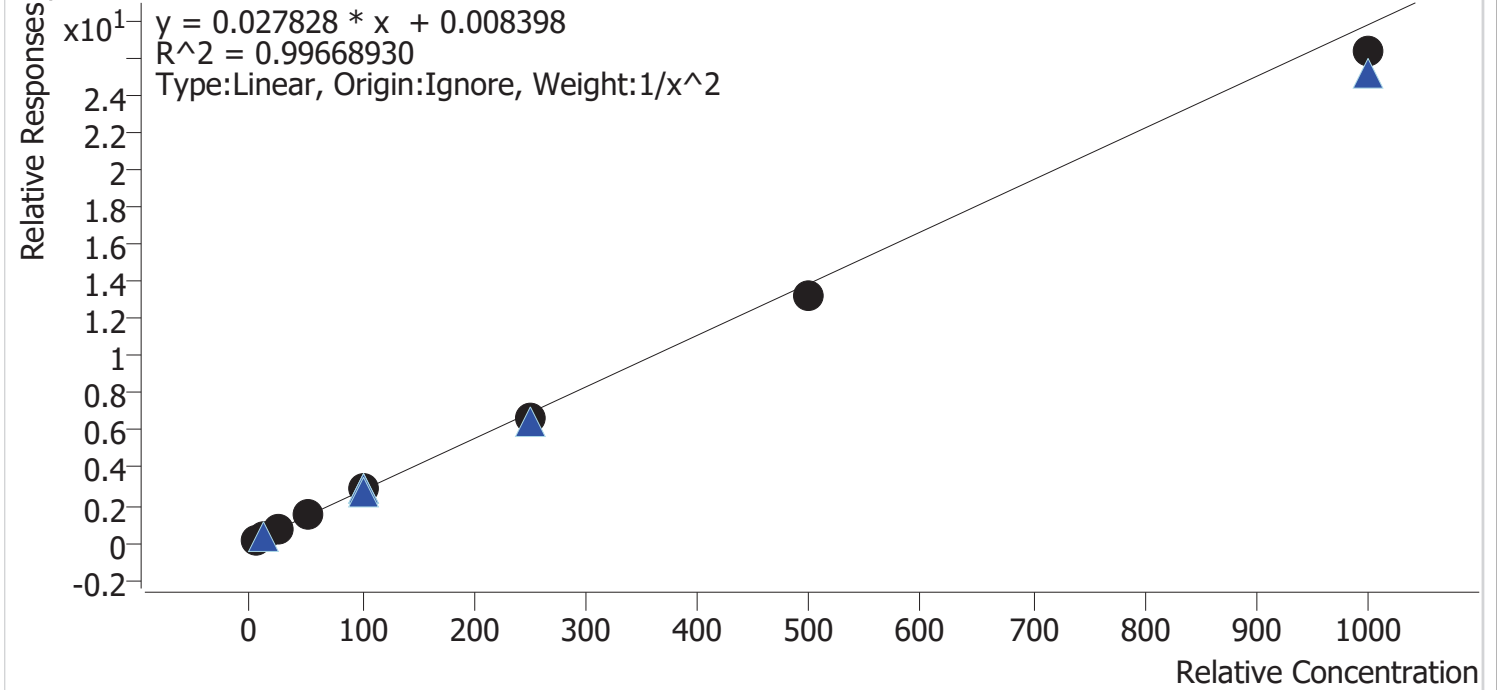
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	104.8
cal 2 mdq	2	✓	10.0	9.9	99.5
cal 3 mdq	3	✓	25.0	24.1	96.2
cal 4 mdq	4	✓	50.0	52.5	105.0
cal 5 mdq	5	✓	100.0	98.4	98.4
cal 6 mdq	6	✓	250.0	242.8	97.1
cal 7 mdq	7	✓	500.0	482.4	96.5
cal 8 mdq	8	✓	1000.0	1024.7	102.5

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin
Last Cal. Update 4/1/2021 3:02 PM
Analyst Name ISP\datastor
Analyte Meprobamate **Internal Standard** Meprobamate-D7

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



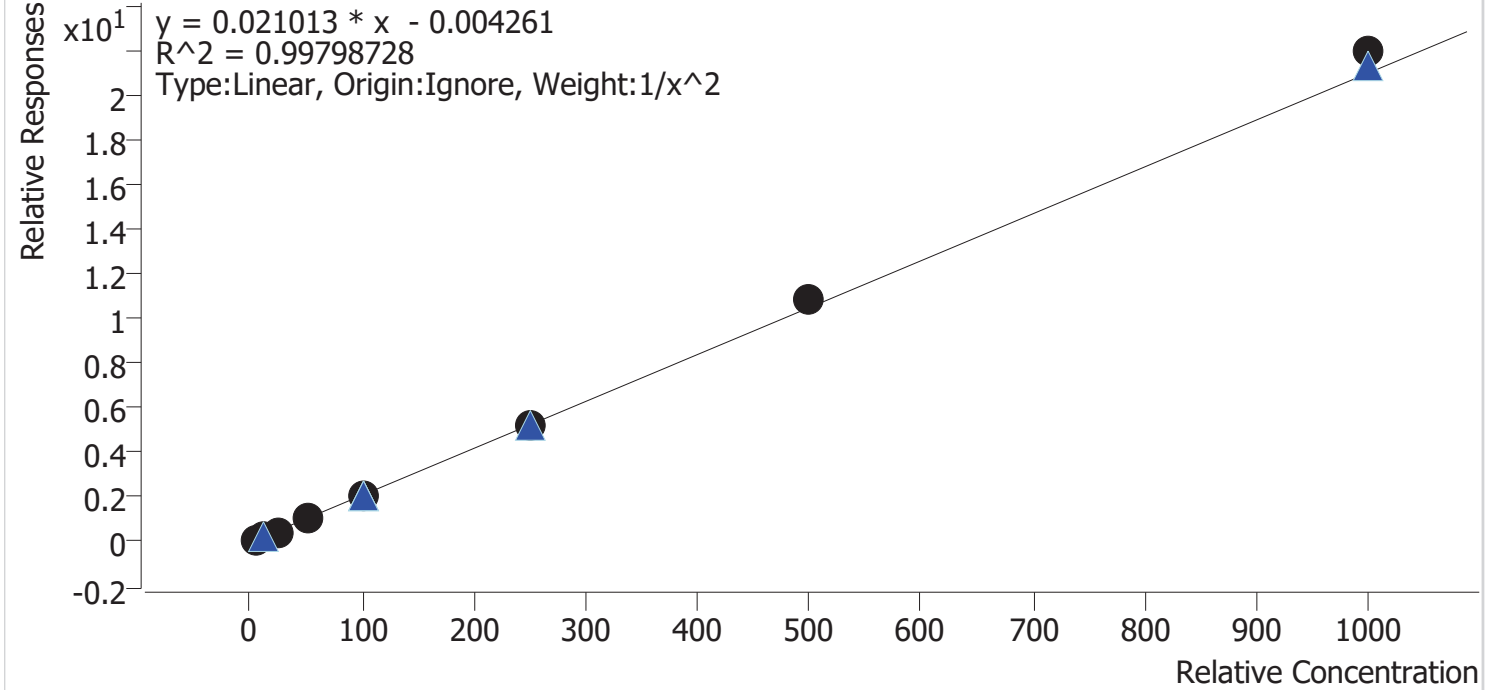
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.3
cal 2 mdq	2	✓	10.0	10.3	102.5
cal 3 mdq	3	✓	25.0	25.7	102.6
cal 4 mdq	4	✓	50.0	54.9	109.8
cal 5 mdq	5	✓	100.0	100.7	100.7
cal 6 mdq	6	✓	250.0	241.6	96.6
cal 7 mdq	7	✓	500.0	477.8	95.6
cal 8 mdq	8	✓	1000.0	948.0	94.8

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin
Last Cal. Update 4/1/2021 3:02 PM
Analyst Name ISP\datastor
Analyte Methadone **Internal Standard** Methadone-D9

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



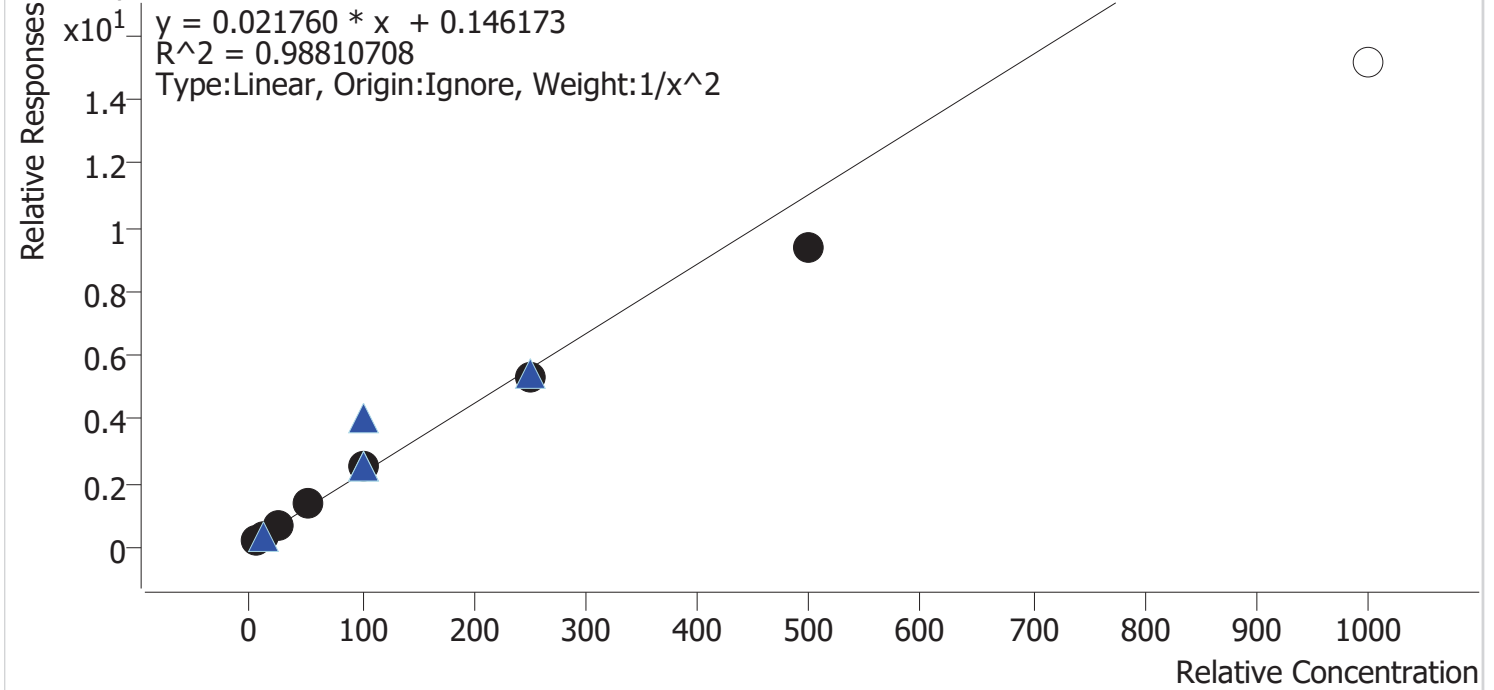
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	103.3
cal 2 mdq	2	✓	10.0	9.6	95.6
cal 3 mdq	3	✓	25.0	23.5	94.0
cal 4 mdq	4	✓	50.0	50.7	101.4
cal 5 mdq	5	✓	100.0	99.6	99.6
cal 6 mdq	6	✓	250.0	245.0	98.0
cal 7 mdq	7	✓	500.0	517.8	103.6
cal 8 mdq	8	✓	1000.0	1045.9	104.6

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin
Last Cal. Update 4/1/2021 3:02 PM
Analyst Name ISP\datastor
Analyte Methamphetamine **Internal Standard** **Methamphetamine-D11**

Methamphetamine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 6 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.7
cal 2 mdq	2	✓	10.0	10.0	100.3
cal 3 mdq	3	✓	25.0	24.5	97.8
cal 4 mdq	4	✓	50.0	57.2	114.4
cal 5 mdq	5	✓	100.0	107.9	107.9
cal 6 mdq	6	✓	250.0	239.5	95.8
cal 7 mdq	7	✓	500.0	425.5	85.1
cal 8 mdq	8	×	1000.0	686.6	68.7

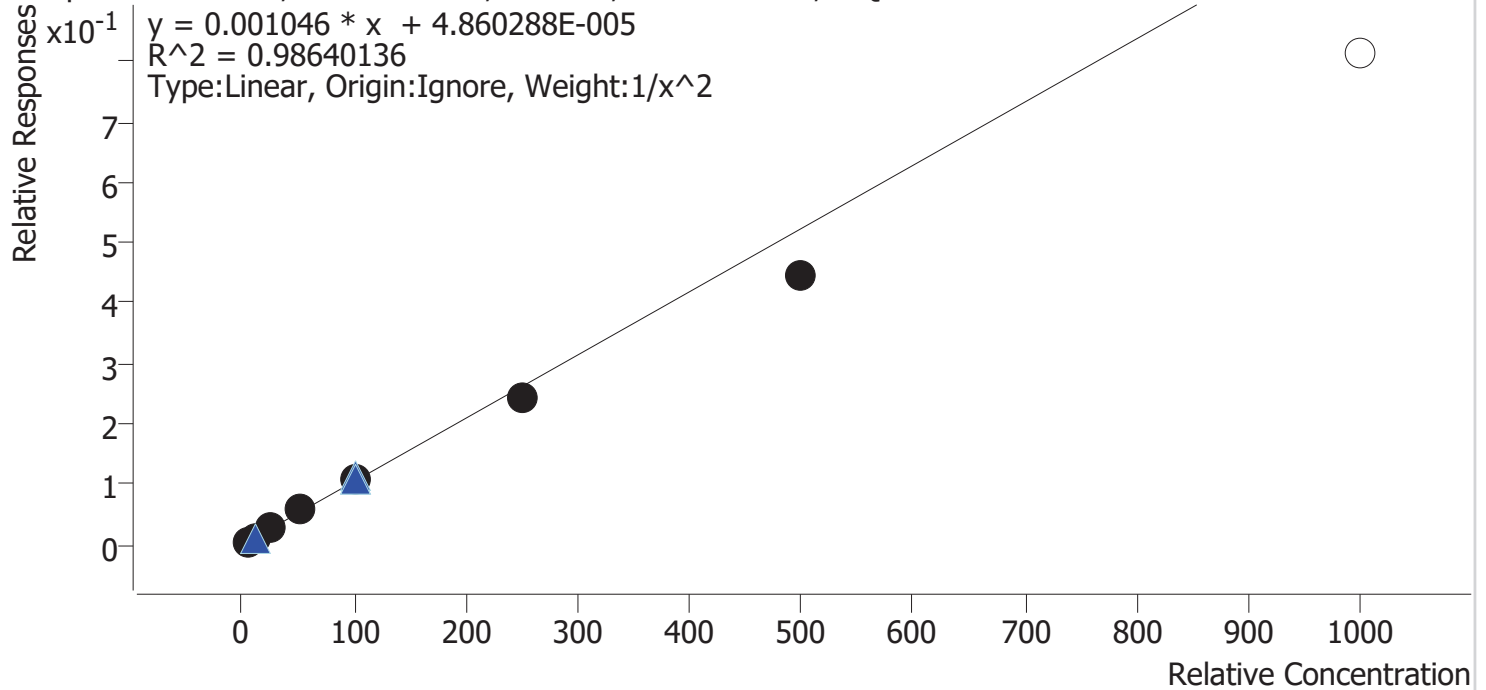
dropped call 8 does not meet accuracy requirement

Compound Calibration Report



Batch results	D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin		
Last Cal. Update	4/1/2021 3:02 PM		
Analyst Name	ISP\datastor		
Analyte	Metoprolol	Internal Standard	Pseudoephedrine-D3

Metoprolol - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 6 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.7	93.2
cal 2 mdq	2	✓	10.0	10.9	109.3
cal 3 mdq	3	✓	25.0	26.5	105.8
cal 4 mdq	4	✓	50.0	55.6	111.1
cal 5 mdq	5	✓	100.0	103.3	103.3
cal 6 mdq	6	✓	250.0	231.5	92.6
cal 7 mdq	7	✓	500.0	423.4	84.7
cal 8 mdq	8	×	1000.0	776.7	77.7

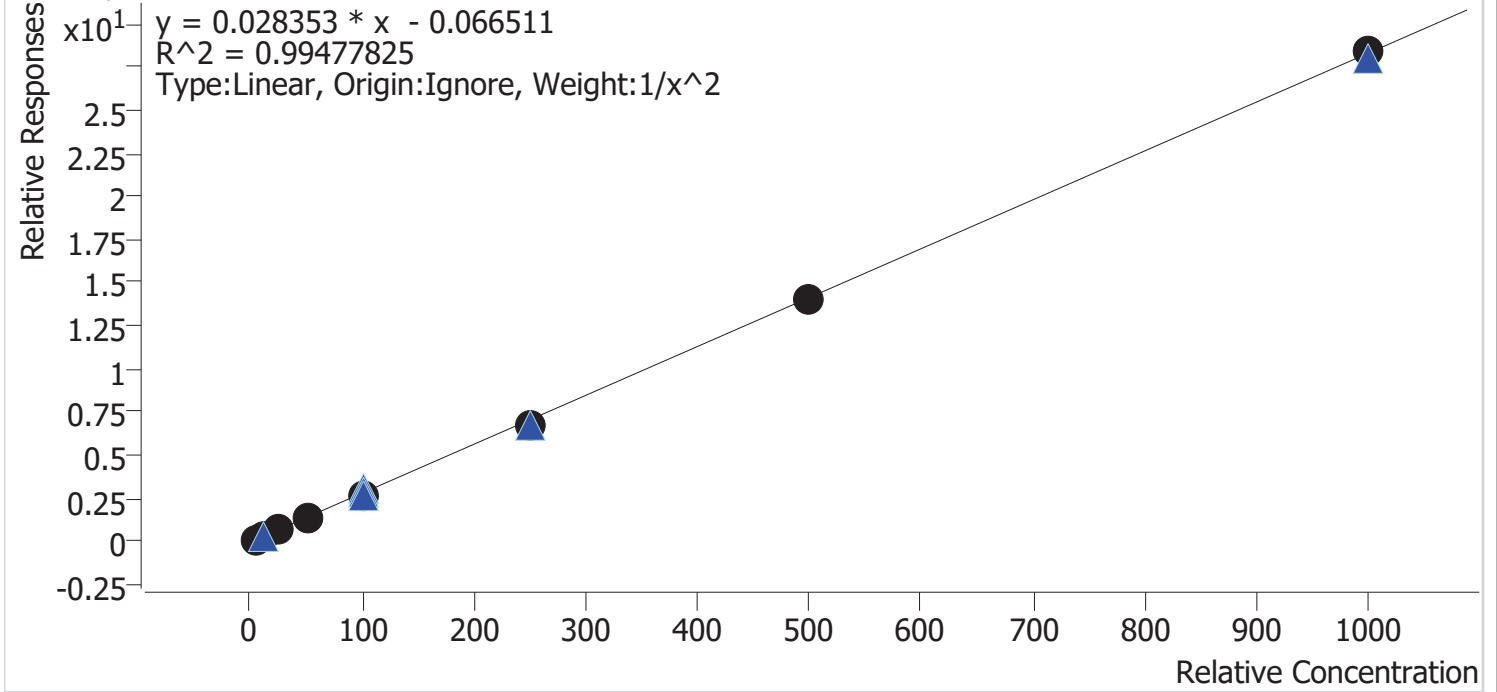
dropped cal 8 does not meet accuracy requirement

Compound Calibration Report



Batch results	D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin
Last Cal. Update	4/1/2021 3:02 PM
Analyst Name	ISP\datastor
Analyte	Mirtazapine
	Internal Standard Methadone-D9

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.7	93.1
cal 2 mdq	2	✓	10.0	11.4	113.8
cal 3 mdq	3	✓	25.0	25.5	102.0
cal 4 mdq	4	✓	50.0	49.6	99.1
cal 5 mdq	5	✓	100.0	96.5	96.5
cal 6 mdq	6	✓	250.0	238.2	95.3
cal 7 mdq	7	✓	500.0	499.7	99.9
cal 8 mdq	8	✓	1000.0	1003.3	100.3

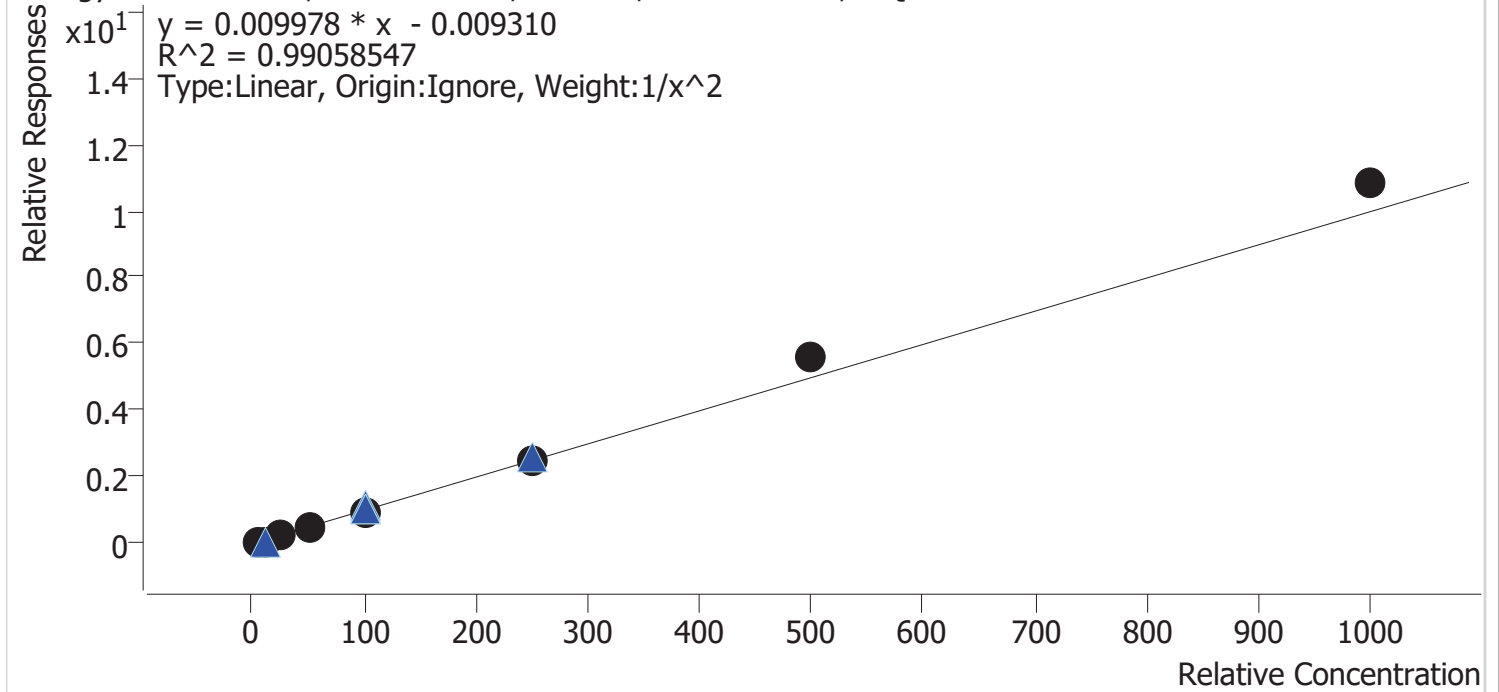
Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin
Last Cal. Update 4/1/2021 3:02 PM
Analyst Name ISP\datastor
Analyte Mitragynine

Internal Standard Fluoxetine-D6

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



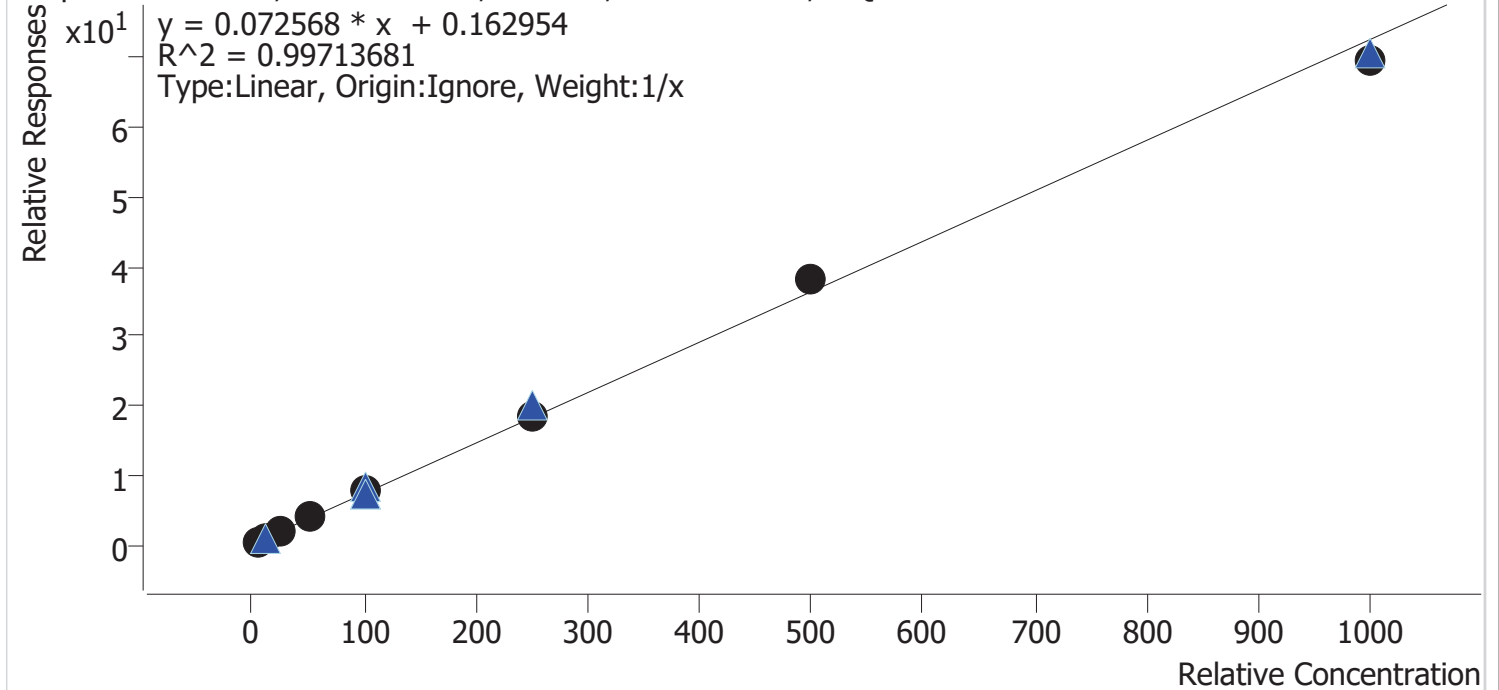
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.4	107.9
cal 2 mdq	2	✓	10.0	8.8	88.4
cal 3 mdq	3	✓	25.0	22.8	91.1
cal 4 mdq	4	✓	50.0	48.5	96.9
cal 5 mdq	5	✓	100.0	97.1	97.1
cal 6 mdq	6	✓	250.0	246.2	98.5
cal 7 mdq	7	✓	500.0	557.1	111.4
cal 8 mdq	8	✓	1000.0	1086.4	108.6

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin
Last Cal. Update 4/1/2021 3:02 PM
Analyst Name ISP\datastor
Analyte Morphine **Internal Standard** Morphine-D6

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



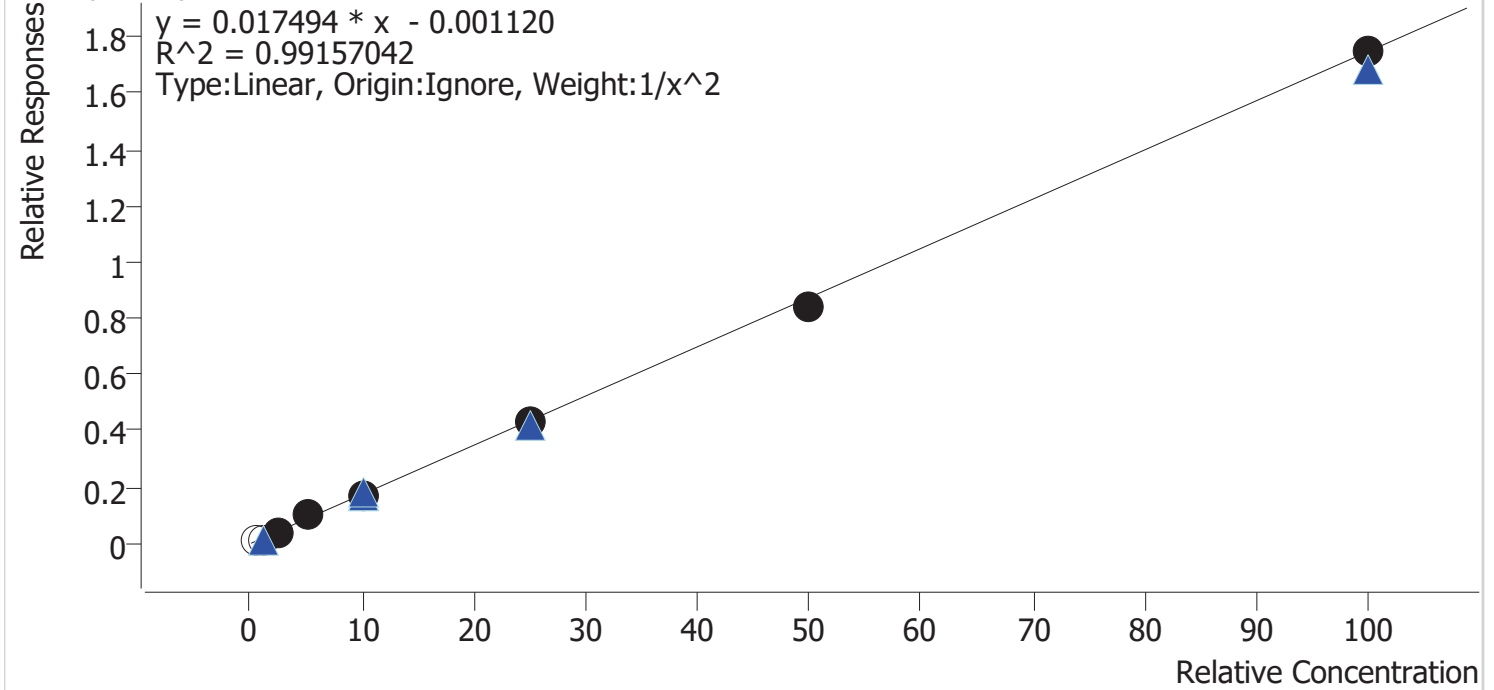
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.4	88.4
cal 2 mdq	2	✓	10.0	8.8	88.3
cal 3 mdq	3	✓	25.0	24.7	98.7
cal 4 mdq	4	✓	50.0	56.5	113.0
cal 5 mdq	5	✓	100.0	109.1	109.1
cal 6 mdq	6	✓	250.0	254.3	101.7
cal 7 mdq	7	✓	500.0	525.3	105.1
cal 8 mdq	8	✓	1000.0	956.9	95.7

Compound Calibration Report



Batch results	D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin		
Last Cal. Update	4/1/2021 3:02 PM		
Analyst Name	ISP\datastor		
Analyte	Norbuprenorphine	Internal Standard	Norbuprenorphine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	×	0.5	0.8	157.0
cal 2 mdq	2	×	1.0	0.9	92.4
cal 3 mdq	3	✓	2.5	2.3	93.8
cal 4 mdq	4	✓	5.0	5.7	114.5
cal 5 mdq	5	✓	10.0	9.8	97.6
cal 6 mdq	6	✓	25.0	24.4	97.7
cal 7 mdq	7	✓	50.0	48.2	96.5
cal 8 mdq	8	✓	100.0	100.0	100.0

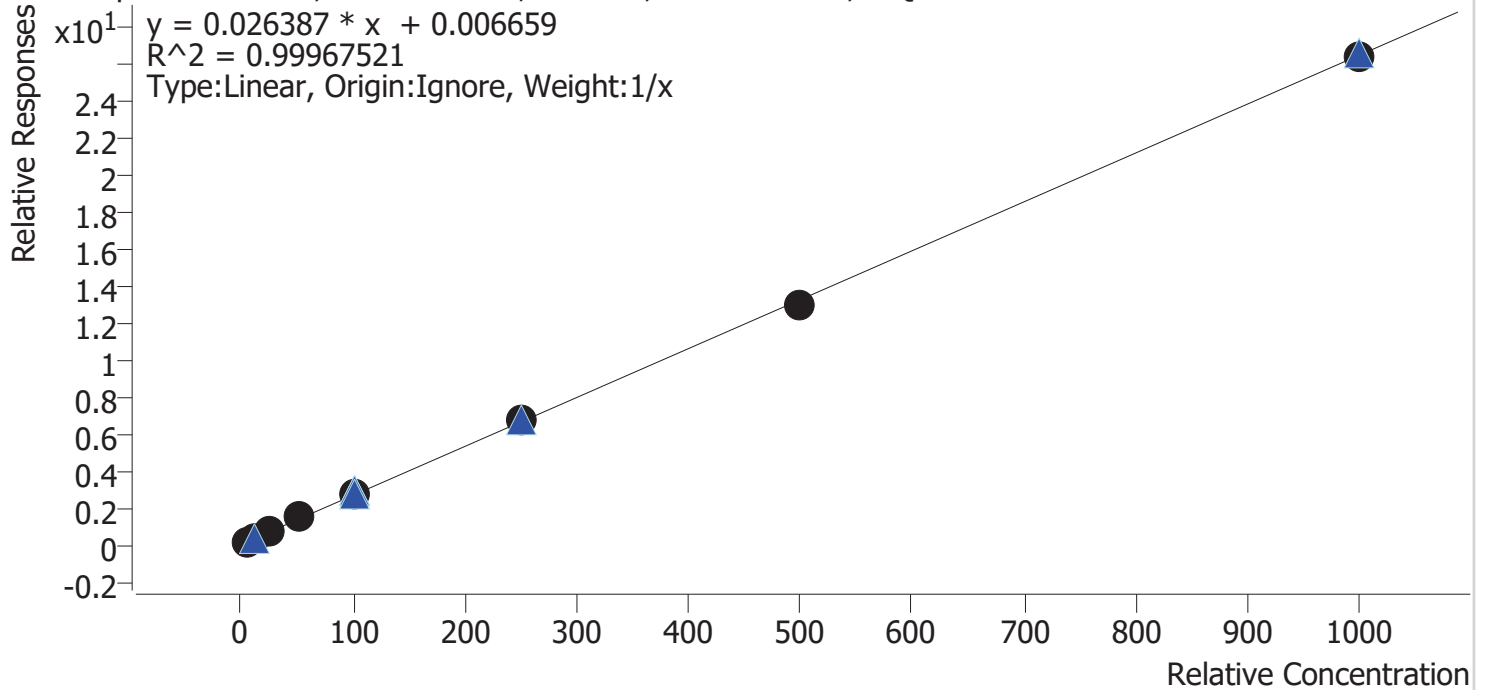
Dropped cal 1 and 2 poor peak shape and cut off peaks.

Compound Calibration Report



Batch results	D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin		
Last Cal. Update	4/1/2021 3:02 PM		
Analyst Name	ISP\datastor		
Analyte	Nordiazepam	Internal Standard	Nordiazepam-D5

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



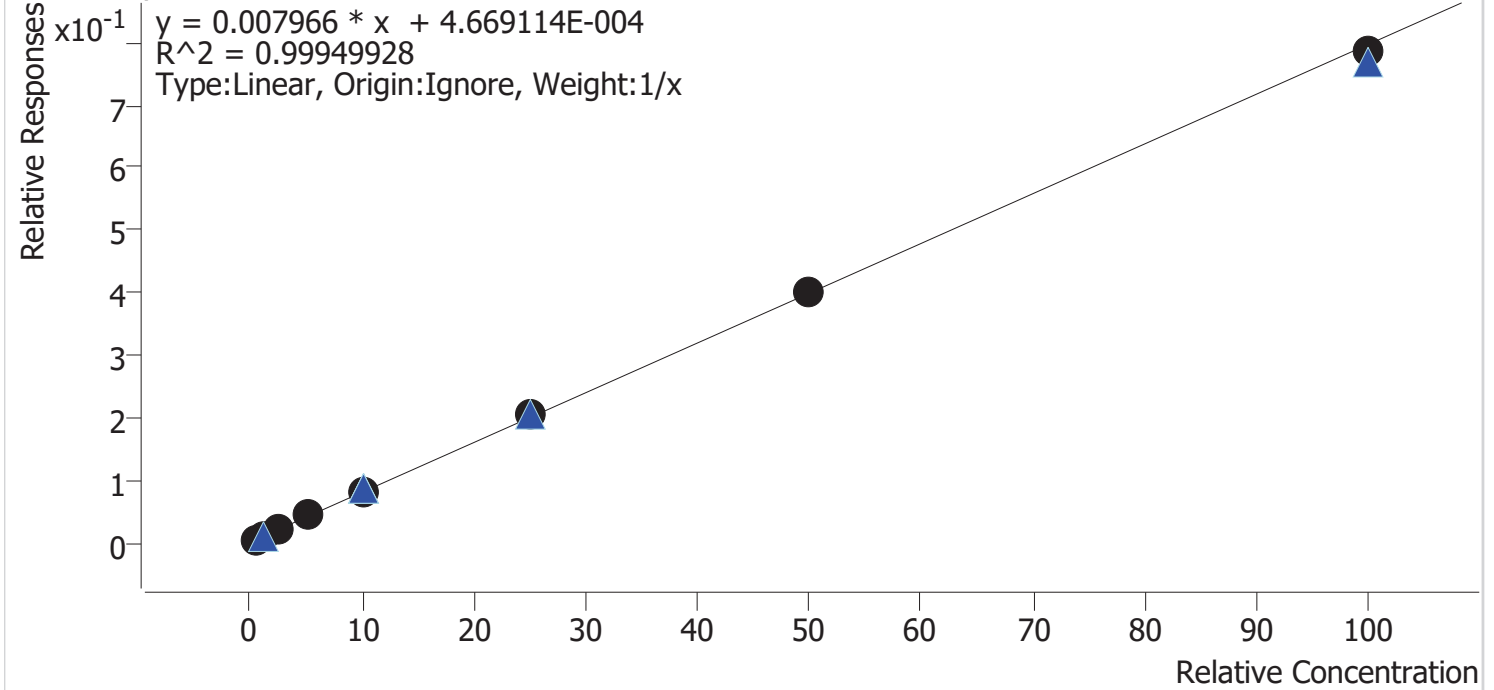
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.1
cal 2 mdq	2	✓	10.0	9.1	91.3
cal 3 mdq	3	✓	25.0	24.8	99.3
cal 4 mdq	4	✓	50.0	53.3	106.6
cal 5 mdq	5	✓	100.0	103.6	103.6
cal 6 mdq	6	✓	250.0	251.8	100.7
cal 7 mdq	7	✓	500.0	491.7	98.3
cal 8 mdq	8	✓	1000.0	1000.7	100.1

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin
Last Cal. Update 4/1/2021 3:02 PM
Analyst Name ISP\datastor
Analyte Norfentanyl **Internal Standard** Norfentanyl-D5

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



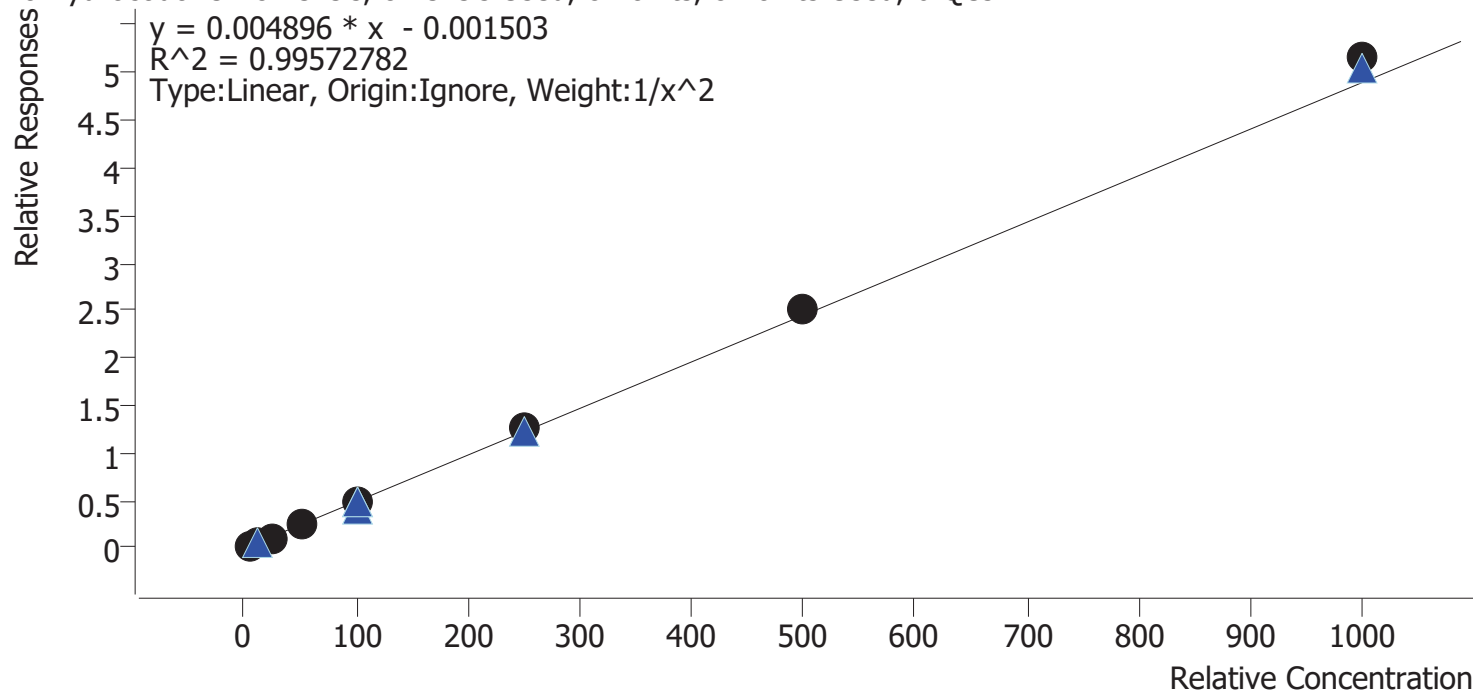
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	90.6
cal 2 mdq	2	✓	1.0	1.0	98.1
cal 3 mdq	3	✓	2.5	2.4	97.9
cal 4 mdq	4	✓	5.0	5.5	109.2
cal 5 mdq	5	✓	10.0	10.3	103.2
cal 6 mdq	6	✓	25.0	25.4	101.7
cal 7 mdq	7	✓	50.0	50.4	100.7
cal 8 mdq	8	✓	100.0	98.6	98.6

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin
Last Cal. Update 4/1/2021 3:02 PM
Analyst Name ISP\datastor
Analyte Norhydrocodone **Internal Standard** Norhydrocodone-D3

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

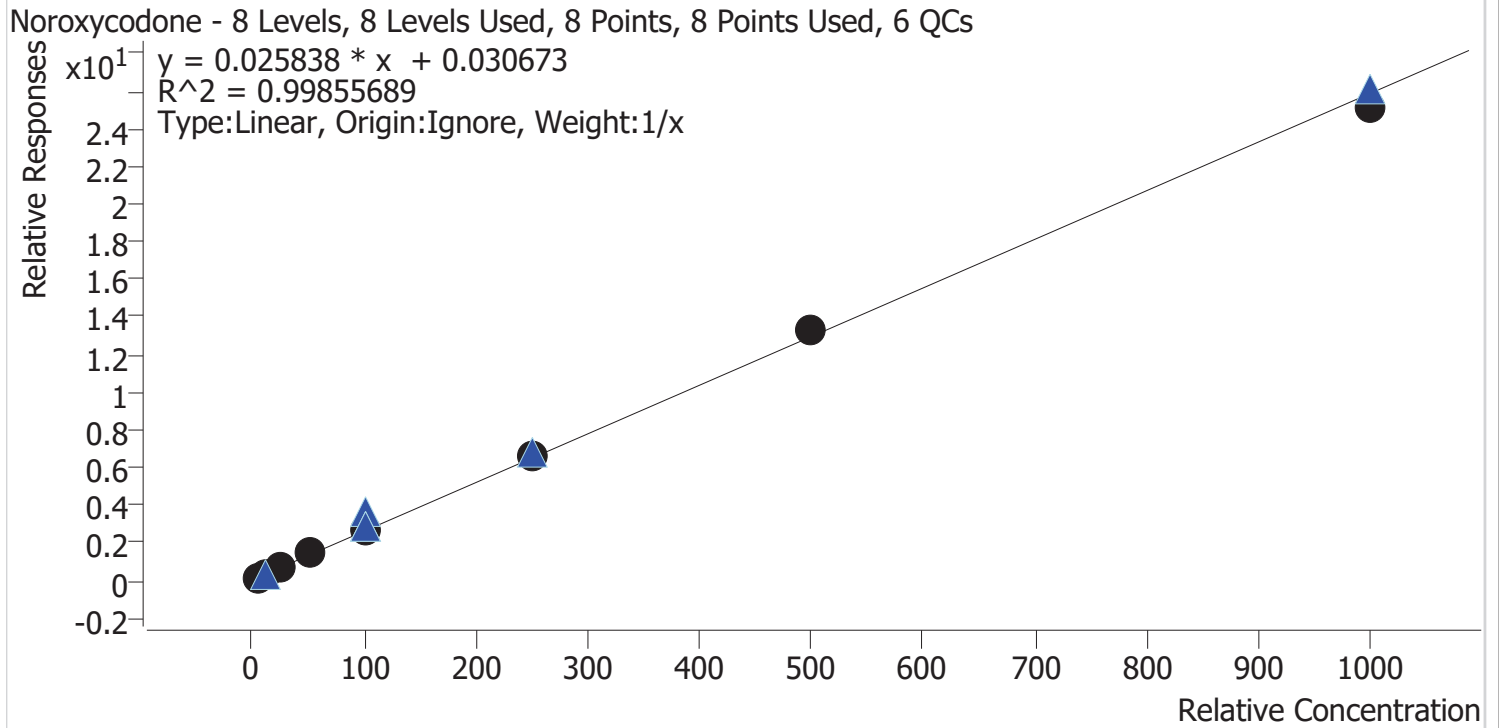


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.3	105.3
cal 2 mdq	2	✓	10.0	9.3	92.9
cal 3 mdq	3	✓	25.0	22.7	90.6
cal 4 mdq	4	✓	50.0	50.5	100.9
cal 5 mdq	5	✓	100.0	97.7	97.7
cal 6 mdq	6	✓	250.0	259.3	103.7
cal 7 mdq	7	✓	500.0	517.1	103.4
cal 8 mdq	8	✓	1000.0	1053.6	105.4

Compound Calibration Report



Batch results	D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin		
Last Cal. Update	4/1/2021 3:02 PM		
Analyst Name	ISP\datastor		
Analyte	Noroxycodone	Internal Standard	Noroxycodone-D3

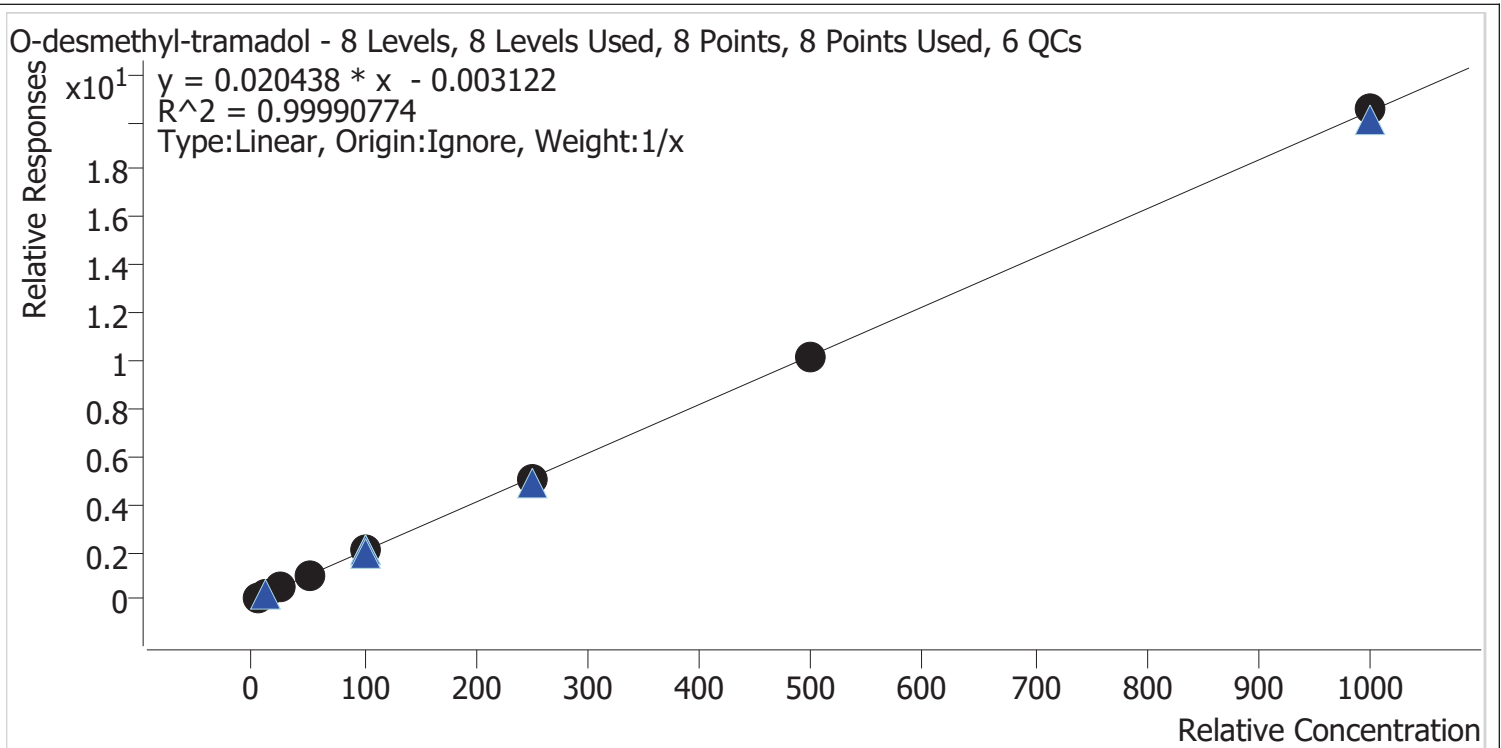


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.3	85.2
cal 2 mdq	2	✓	10.0	9.4	94.3
cal 3 mdq	3	✓	25.0	25.2	100.8
cal 4 mdq	4	✓	50.0	55.8	111.7
cal 5 mdq	5	✓	100.0	105.5	105.5
cal 6 mdq	6	✓	250.0	258.2	103.3
cal 7 mdq	7	✓	500.0	511.5	102.3
cal 8 mdq	8	✓	1000.0	970.1	97.0

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin
Last Cal. Update 4/1/2021 3:02 PM
Analyst Name ISP\datastor
Analyte O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6



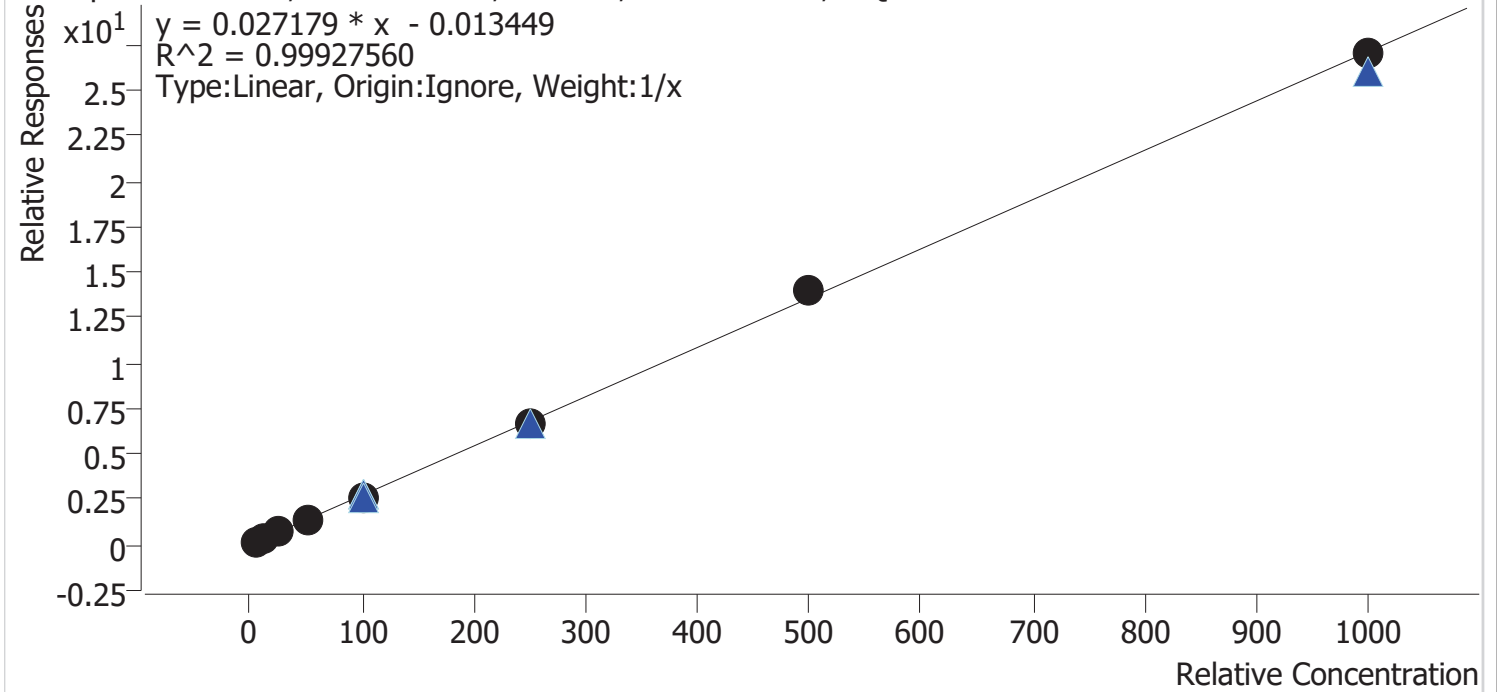
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.3
cal 2 mdq	2	✓	10.0	9.9	98.7
cal 3 mdq	3	✓	25.0	24.4	97.5
cal 4 mdq	4	✓	50.0	52.1	104.3
cal 5 mdq	5	✓	100.0	99.1	99.1
cal 6 mdq	6	✓	250.0	247.8	99.1
cal 7 mdq	7	✓	500.0	497.6	99.5
cal 8 mdq	8	✓	1000.0	1004.0	100.4

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin
Last Cal. Update 4/1/2021 3:02 PM
Analyst Name ISP\datastor
Analyte Oxazepam **Internal Standard** Oxazepam-D5

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



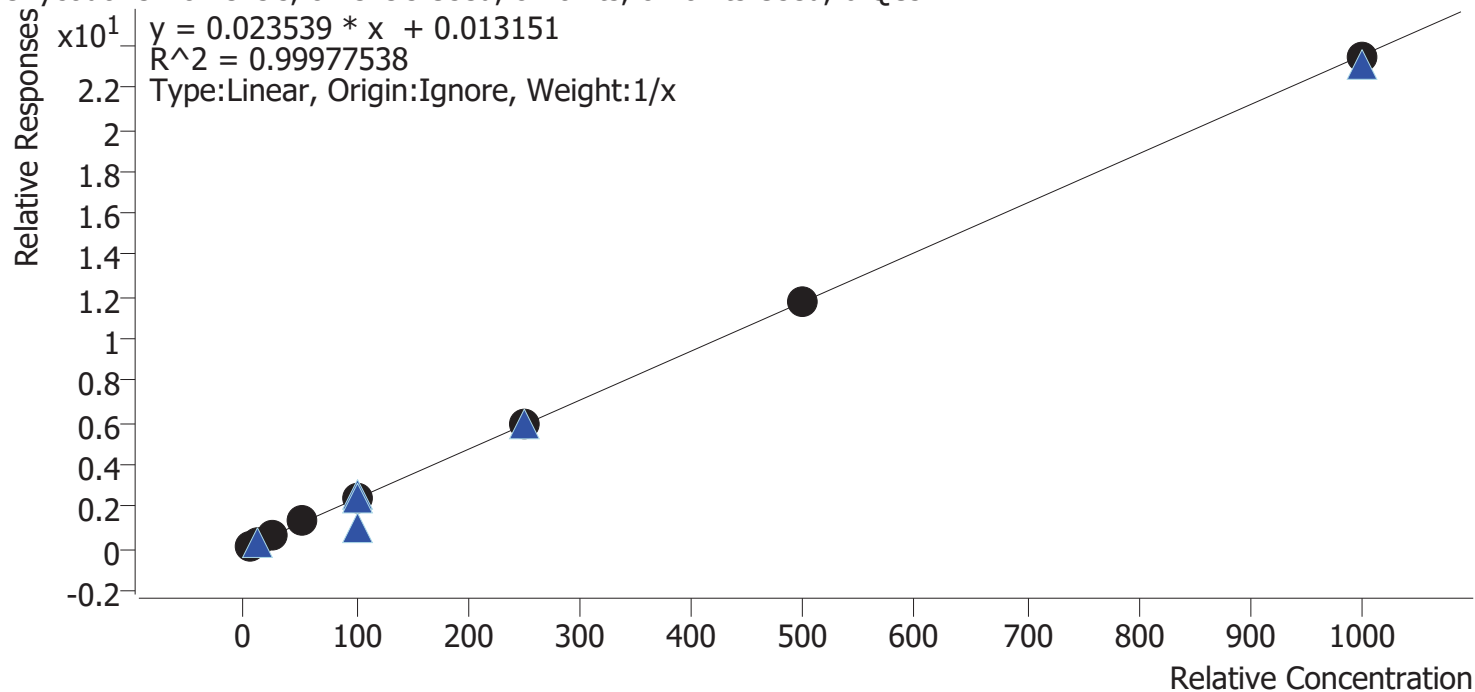
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.6	112.7
cal 2 mdq	2	✓	10.0	9.8	98.1
cal 3 mdq	3	✓	25.0	24.0	95.8
cal 4 mdq	4	✓	50.0	48.7	97.3
cal 5 mdq	5	✓	100.0	96.1	96.1
cal 6 mdq	6	✓	250.0	241.4	96.6
cal 7 mdq	7	✓	500.0	518.2	103.6
cal 8 mdq	8	✓	1000.0	996.2	99.6

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin
Last Cal. Update 4/1/2021 3:02 PM
Analyst Name ISP\datastor
Analyte Oxycodone **Internal Standard** Oxycodone-D6

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



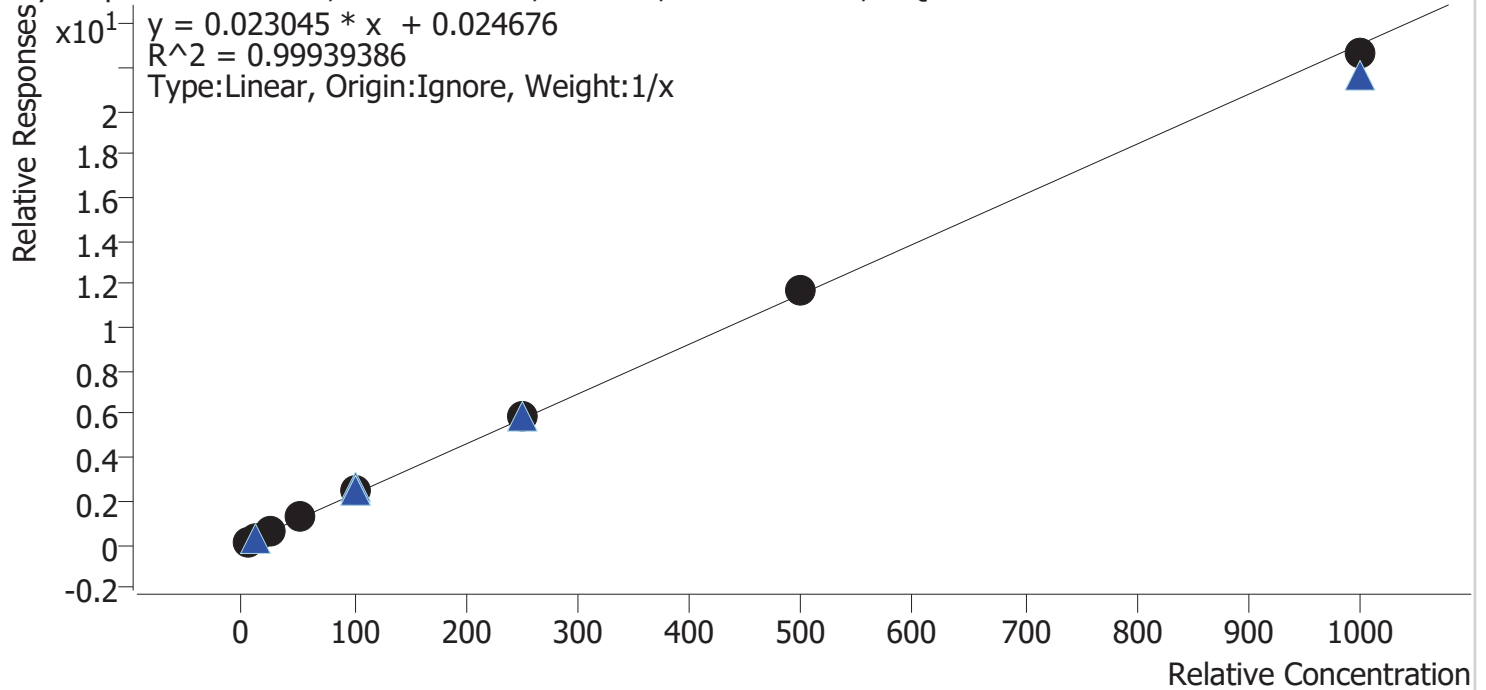
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.7	93.3
cal 2 mdq	2	✓	10.0	9.7	96.5
cal 3 mdq	3	✓	25.0	25.2	100.9
cal 4 mdq	4	✓	50.0	53.6	107.2
cal 5 mdq	5	✓	100.0	102.8	102.8
cal 6 mdq	6	✓	250.0	250.2	100.1
cal 7 mdq	7	✓	500.0	498.4	99.7
cal 8 mdq	8	✓	1000.0	995.4	99.5

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin
Last Cal. Update 4/1/2021 3:02 PM
Analyst Name ISP\datastor
Analyte Oxymorphone **Internal Standard** Oxymorphone-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.4	88.8
cal 2 mdq	2	✓	10.0	9.8	97.6
cal 3 mdq	3	✓	25.0	25.0	100.1
cal 4 mdq	4	✓	50.0	53.9	107.8
cal 5 mdq	5	✓	100.0	104.3	104.3
cal 6 mdq	6	✓	250.0	255.1	102.1
cal 7 mdq	7	✓	500.0	505.9	101.2
cal 8 mdq	8	✓	1000.0	981.6	98.2

Compound Calibration Report

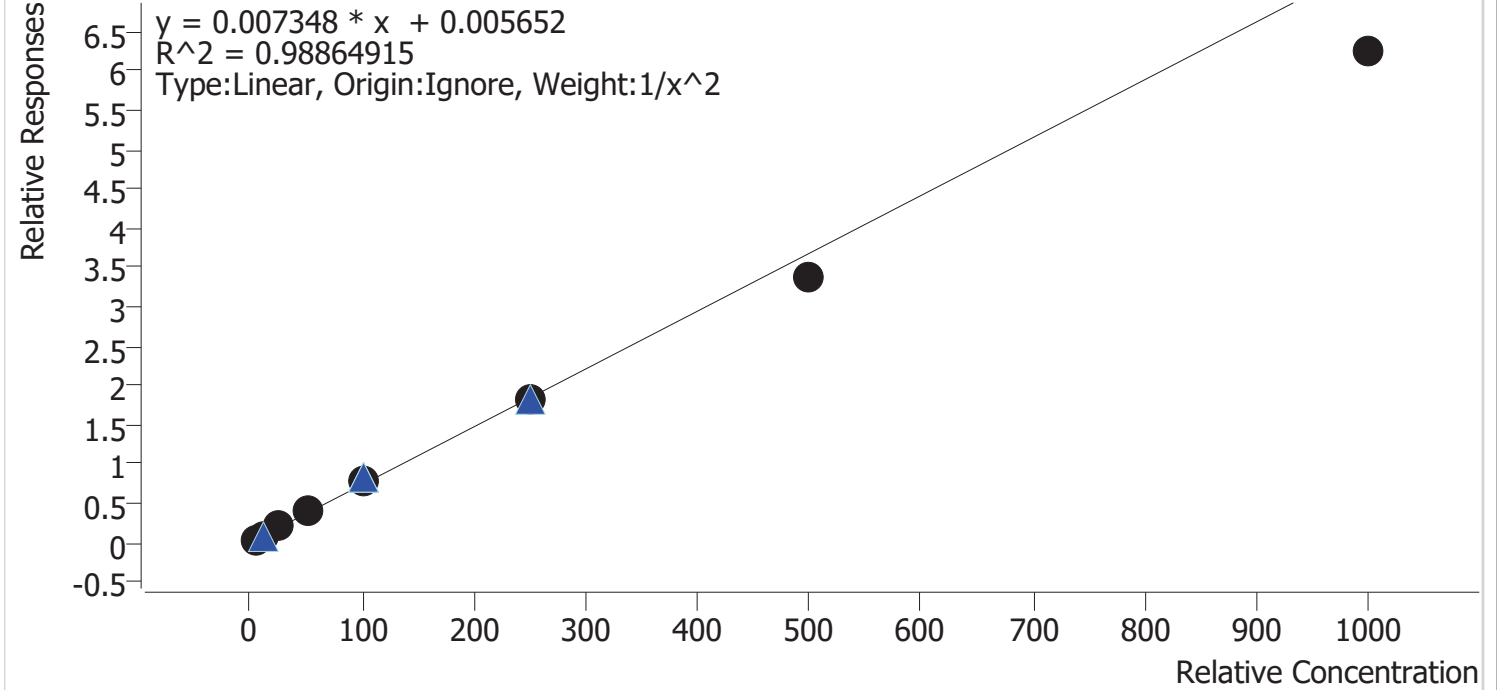


Batch results D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin
Last Cal. Update 4/1/2021 3:02 PM
Analyst Name ISP\datastor
Analyte Phentermine

Internal Standard

Phentermine-D5

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



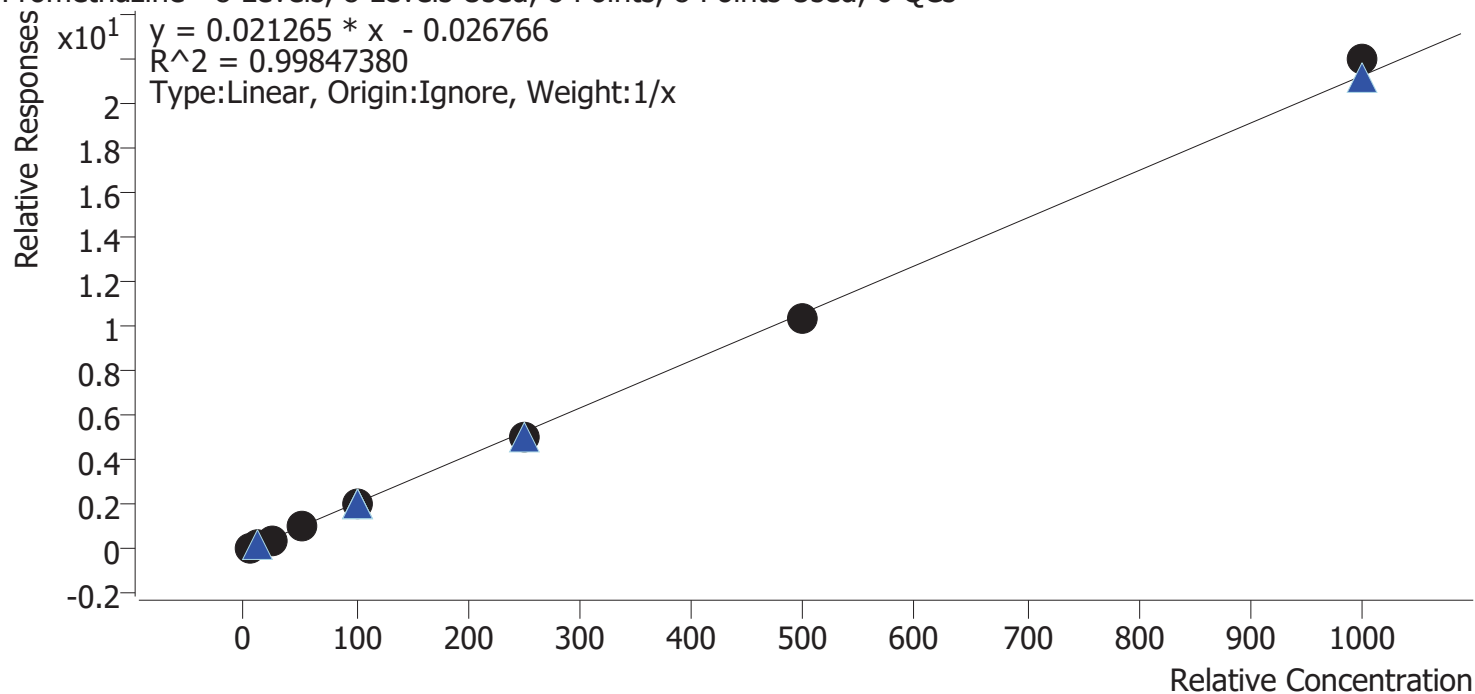
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	95.8
cal 2 mdq	2	✓	10.0	10.3	102.7
cal 3 mdq	3	✓	25.0	26.7	106.9
cal 4 mdq	4	✓	50.0	56.7	113.5
cal 5 mdq	5	✓	100.0	106.7	106.7
cal 6 mdq	6	✓	250.0	245.3	98.1
cal 7 mdq	7	✓	500.0	457.0	91.4
cal 8 mdq	8	✓	1000.0	848.8	84.9

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin
Last Cal. Update 4/1/2021 3:02 PM
Analyst Name ISP\datastor
Analyte Promethazine **Internal Standard** Promethazine-D3

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



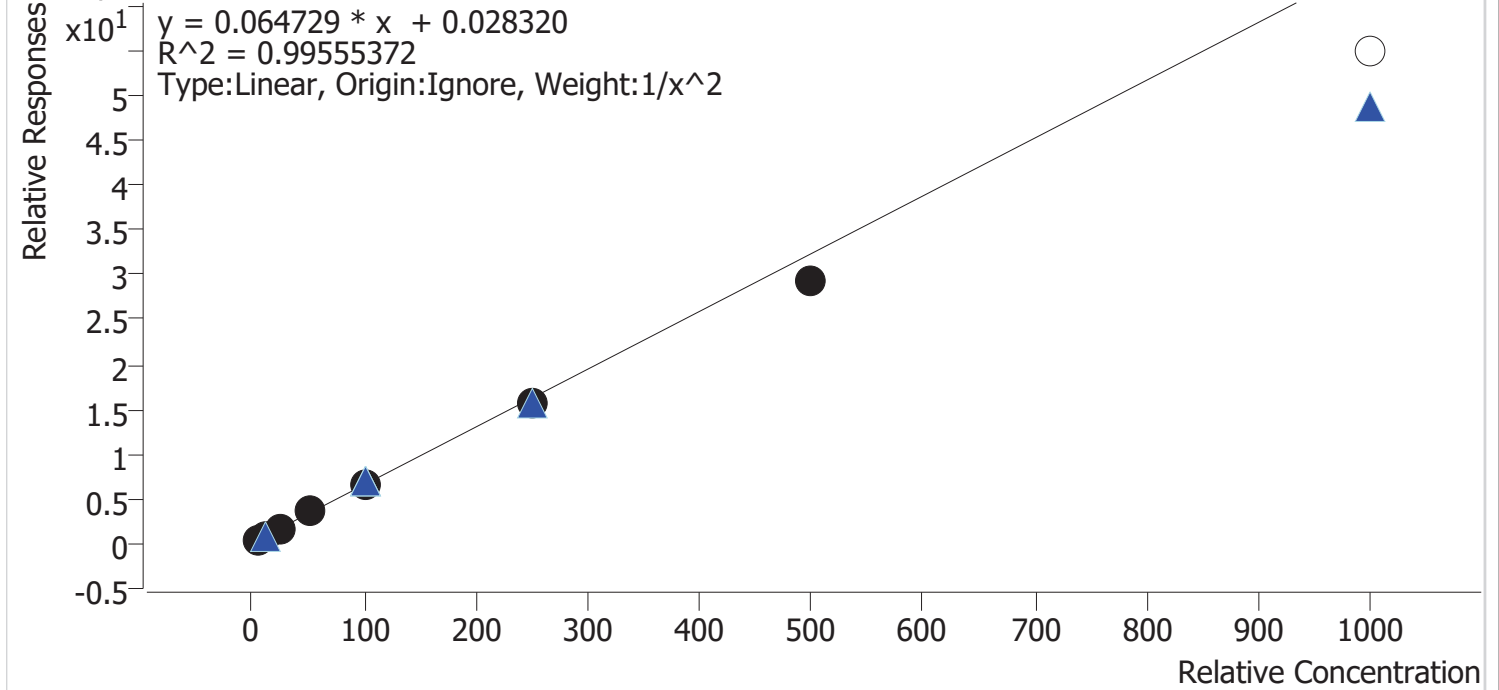
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.9	117.8
cal 2 mdq	2	✓	10.0	10.0	100.5
cal 3 mdq	3	✓	25.0	23.5	94.2
cal 4 mdq	4	✓	50.0	48.5	97.1
cal 5 mdq	5	✓	100.0	94.8	94.8
cal 6 mdq	6	✓	250.0	238.0	95.2
cal 7 mdq	7	✓	500.0	485.4	97.1
cal 8 mdq	8	✓	1000.0	1033.8	103.4

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin
Last Cal. Update 4/1/2021 3:02 PM
Analyst Name ISP\datastor
Analyte Quetiapine **Internal Standard** Quetiapine-D8

Quetiapine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 6 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.0
cal 2 mdq	2	✓	10.0	10.1	100.9
cal 3 mdq	3	✓	25.0	26.1	104.3
cal 4 mdq	4	✓	50.0	53.6	107.2
cal 5 mdq	5	✓	100.0	102.8	102.8
cal 6 mdq	6	✓	250.0	241.7	96.7
cal 7 mdq	7	✓	500.0	450.7	90.1
cal 8 mdq	8	×	1000.0	849.6	85.0

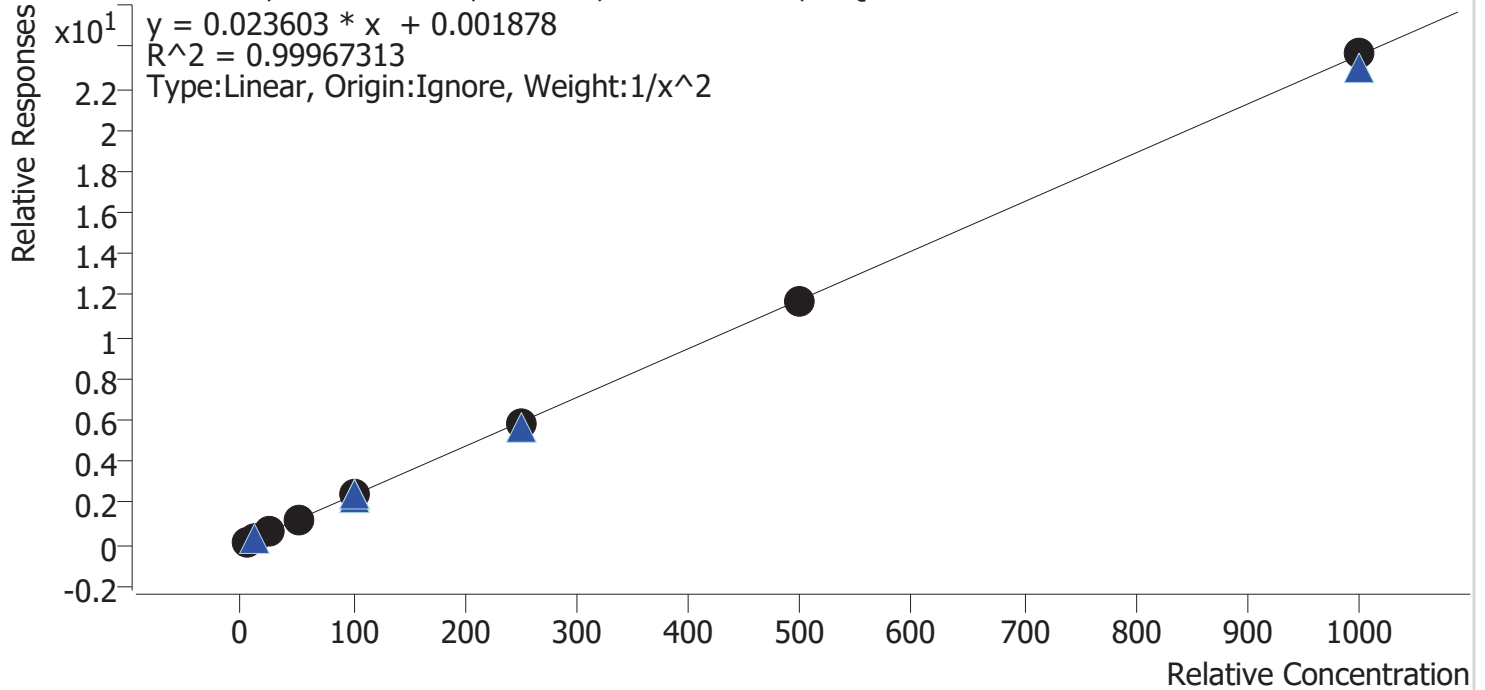
dropped cal 8 does not meet accuracy requirement

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin
Last Cal. Update 4/1/2021 3:02 PM
Analyst Name ISP\datastor
Analyte Sertraline **Internal Standard** Sertraline-D3

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

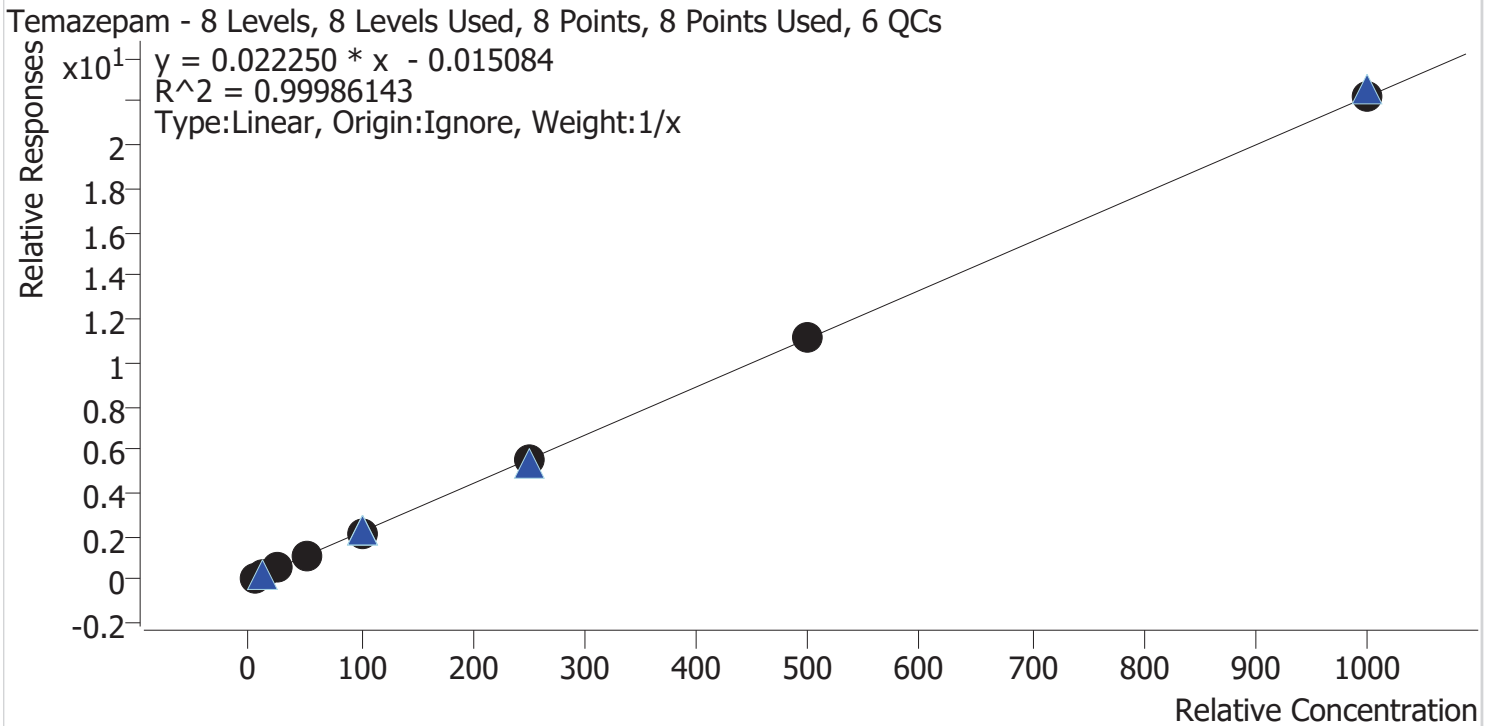


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.0
cal 2 mdq	2	✓	10.0	10.0	100.1
cal 3 mdq	3	✓	25.0	24.6	98.3
cal 4 mdq	4	✓	50.0	51.7	103.4
cal 5 mdq	5	✓	100.0	99.9	99.9
cal 6 mdq	6	✓	250.0	246.0	98.4
cal 7 mdq	7	✓	500.0	497.9	99.6
cal 8 mdq	8	✓	1000.0	1003.4	100.3

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin
Last Cal. Update 4/1/2021 3:02 PM
Analyst Name ISP\datastor
Analyte Temazepam **Internal Standard** Temazepam-D5



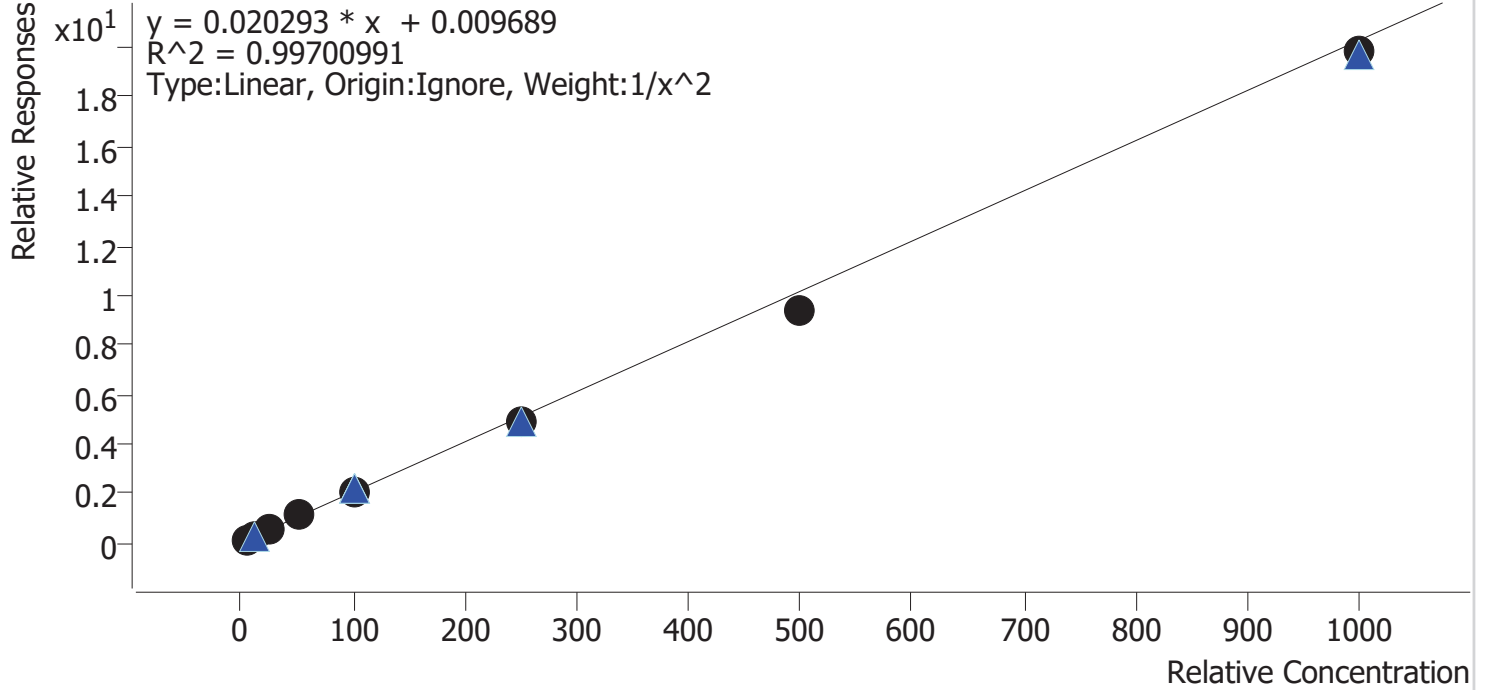
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.3	105.5
cal 2 mdq	2	✓	10.0	10.1	101.1
cal 3 mdq	3	✓	25.0	23.5	93.9
cal 4 mdq	4	✓	50.0	50.9	101.8
cal 5 mdq	5	✓	100.0	98.6	98.6
cal 6 mdq	6	✓	250.0	245.7	98.3
cal 7 mdq	7	✓	500.0	502.1	100.4
cal 8 mdq	8	✓	1000.0	1003.9	100.4

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin
Last Cal. Update 4/1/2021 3:02 PM
Analyst Name ISP\datastor
Analyte Tramadol **Internal Standard** Tramadol-13C-D3

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



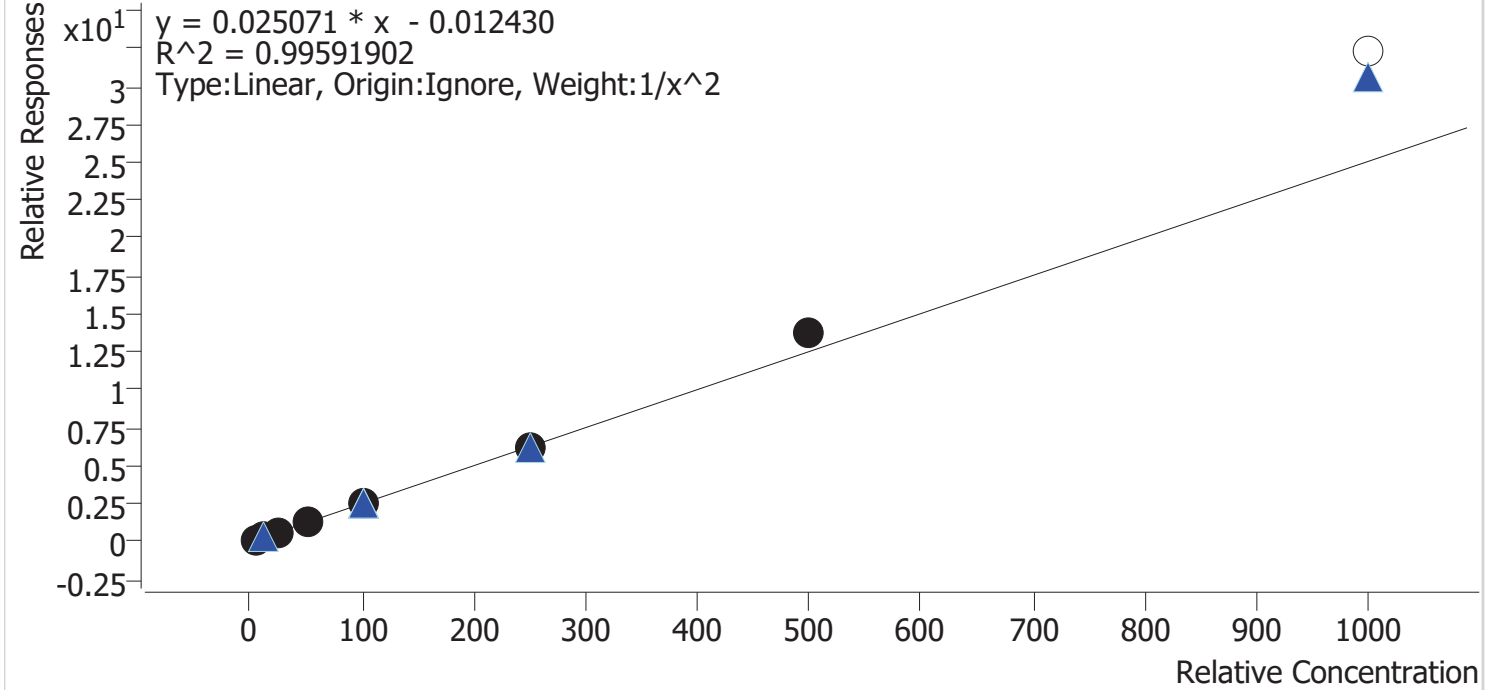
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.4
cal 2 mdq	2	✓	10.0	10.1	100.5
cal 3 mdq	3	✓	25.0	25.6	102.3
cal 4 mdq	4	✓	50.0	54.5	109.0
cal 5 mdq	5	✓	100.0	101.9	101.9
cal 6 mdq	6	✓	250.0	243.3	97.3
cal 7 mdq	7	✓	500.0	463.7	92.7
cal 8 mdq	8	✓	1000.0	977.5	97.8

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin
Last Cal. Update 4/1/2021 3:02 PM
Analyst Name ISP\datastor
Analyte Trazodone **Internal Standard** Trazodone-D6

Trazodone - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 6 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.2
cal 2 mdq	2	✓	10.0	9.9	98.8
cal 3 mdq	3	✓	25.0	23.4	93.6
cal 4 mdq	4	✓	50.0	48.1	96.2
cal 5 mdq	5	✓	100.0	98.9	98.9
cal 6 mdq	6	✓	250.0	249.2	99.7
cal 7 mdq	7	✓	500.0	553.0	110.6
cal 8 mdq	8	×	1000.0	1288.8	128.9

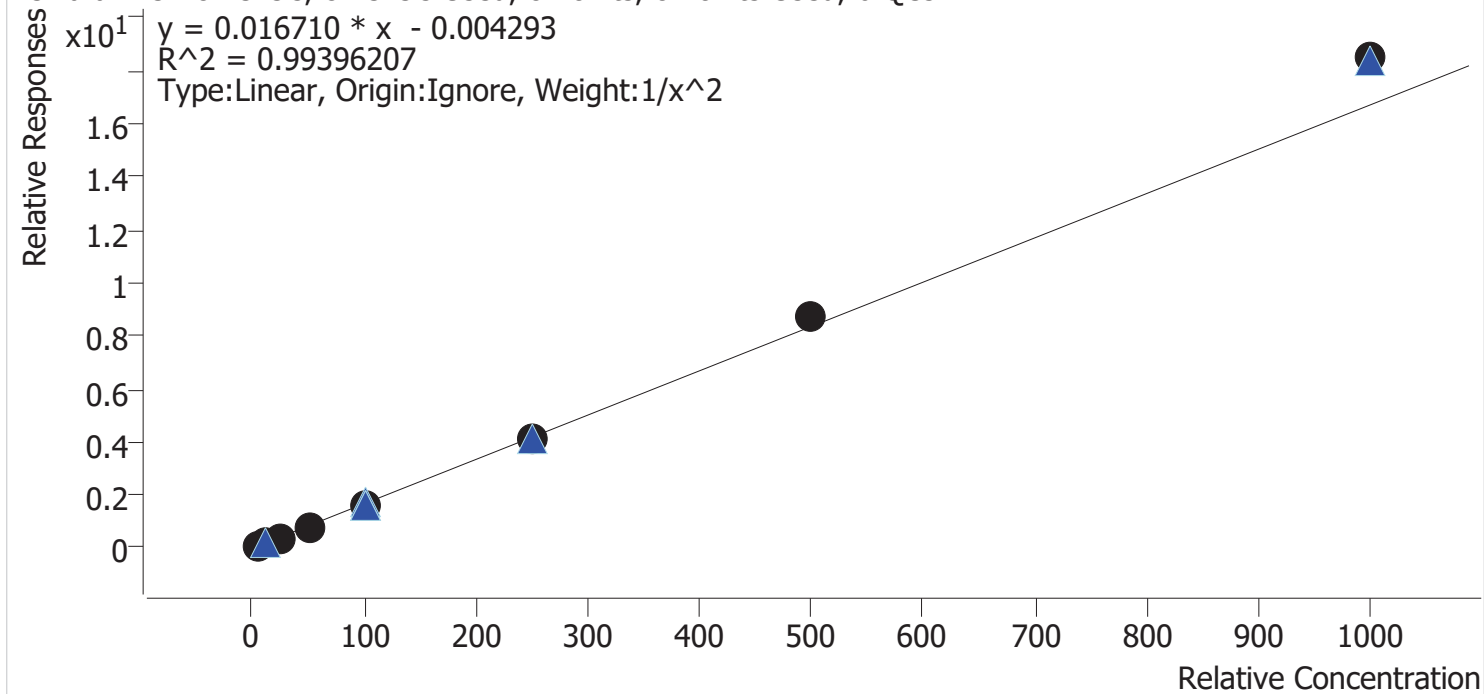
dropped cal 8 does not meet accuracy requirement

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin
Last Cal. Update 4/1/2021 3:02 PM
Analyst Name ISP\datastor
Analyte Venlafaxine **Internal Standard** Venlafaxine-D6

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



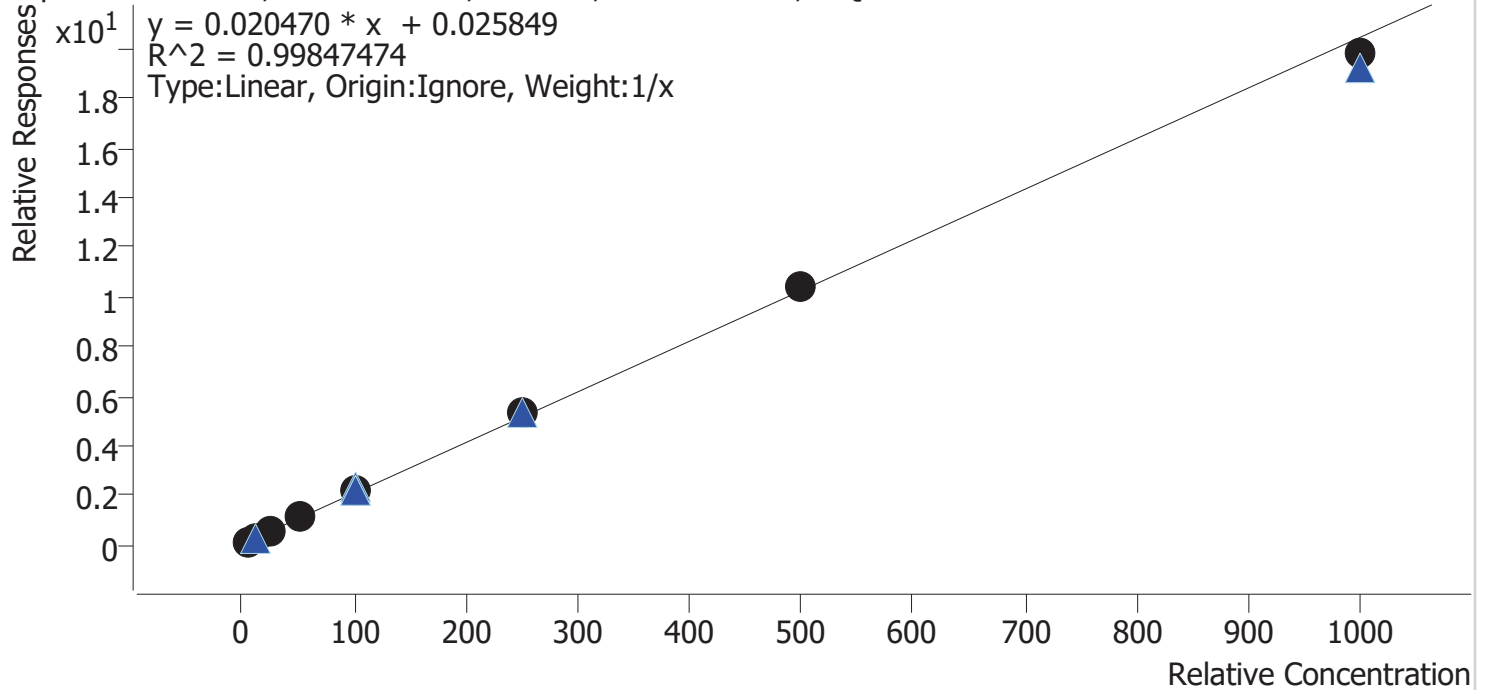
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.3	105.1
cal 2 mdq	2	✓	10.0	9.4	93.9
cal 3 mdq	3	✓	25.0	22.6	90.5
cal 4 mdq	4	✓	50.0	49.8	99.5
cal 5 mdq	5	✓	100.0	95.0	95.0
cal 6 mdq	6	✓	250.0	249.9	100.0
cal 7 mdq	7	✓	500.0	526.3	105.3
cal 8 mdq	8	✓	1000.0	1106.8	110.7

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin
Last Cal. Update 4/1/2021 3:02 PM
Analyst Name ISP\datastor
Analyte Zolpidem **Internal Standard** Zolpidem-D6

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



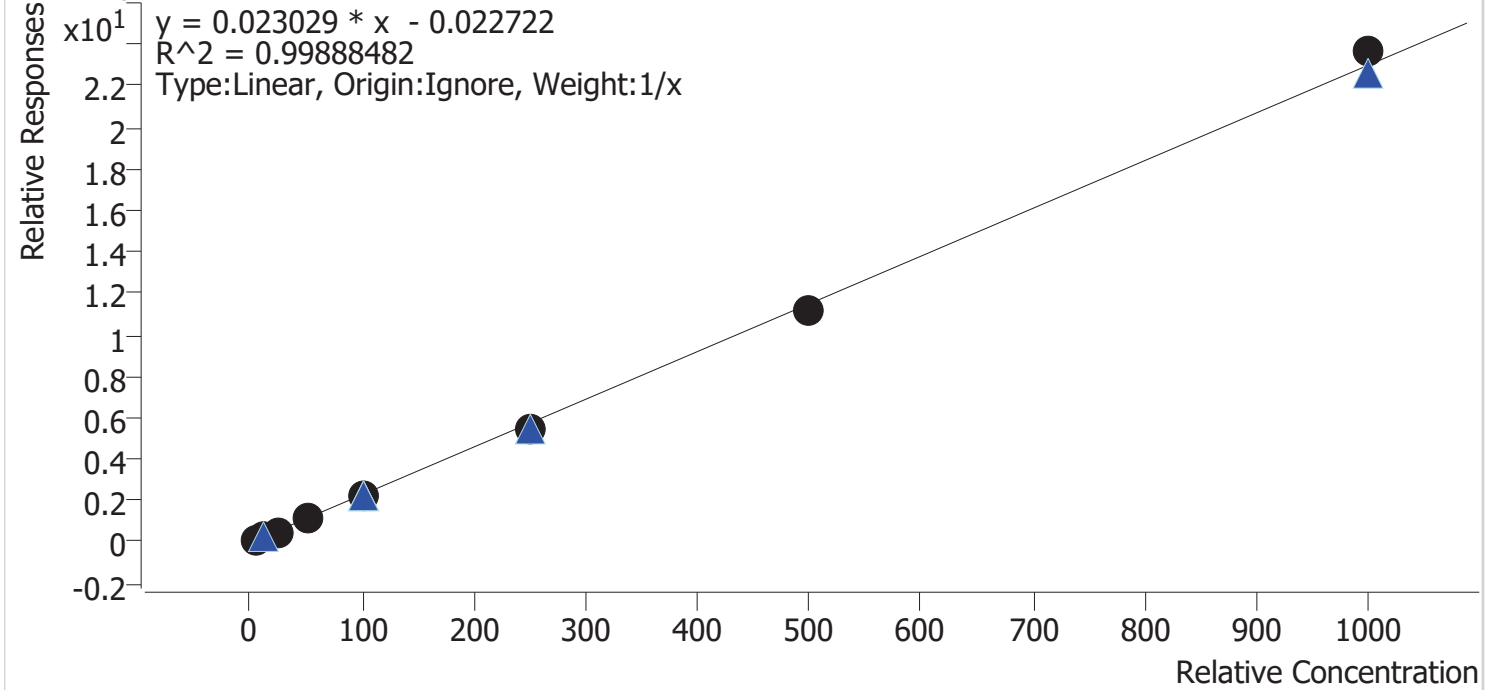
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.2	84.9
cal 2 mdq	2	✓	10.0	9.5	94.7
cal 3 mdq	3	✓	25.0	25.4	101.7
cal 4 mdq	4	✓	50.0	54.7	109.4
cal 5 mdq	5	✓	100.0	105.8	105.8
cal 6 mdq	6	✓	250.0	260.8	104.3
cal 7 mdq	7	✓	500.0	511.7	102.3
cal 8 mdq	8	✓	1000.0	967.9	96.8

Compound Calibration Report



Batch results	D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin		
Last Cal. Update	4/1/2021 3:02 PM		
Analyst Name	ISP\datastor		
Analyte	Pseudoephedrine	Internal Standard	Pseudoephedrine-D3

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



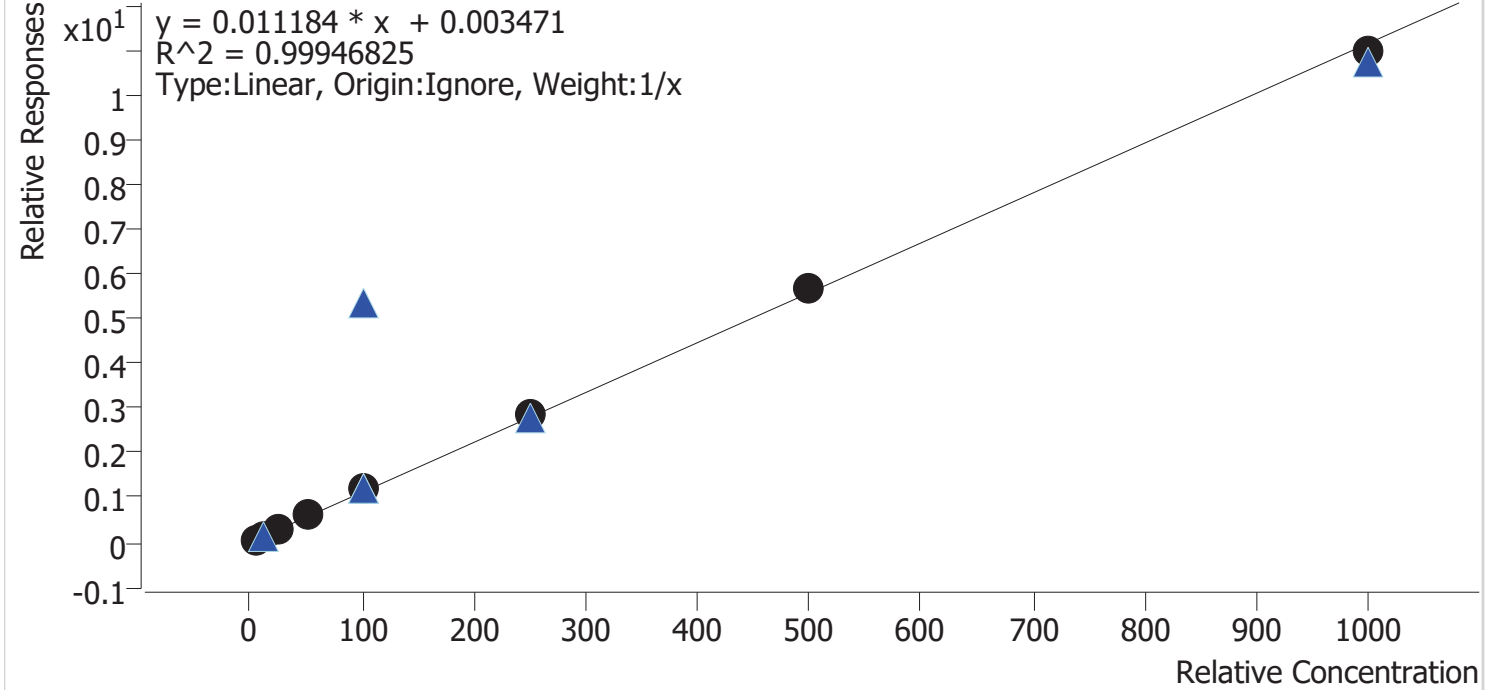
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.7	113.3
cal 2 mdq	2	✓	10.0	10.1	101.1
cal 3 mdq	3	✓	25.0	23.6	94.5
cal 4 mdq	4	✓	50.0	49.8	99.6
cal 5 mdq	5	✓	100.0	95.6	95.6
cal 6 mdq	6	✓	250.0	238.7	95.5
cal 7 mdq	7	✓	500.0	487.9	97.6
cal 8 mdq	8	✓	1000.0	1028.6	102.9

Compound Calibration Report



Batch results D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin
Last Cal. Update 4/1/2021 3:02 PM
Analyst Name ISP\datastor
Analyte Levetiracetam **Internal Standard** Amphetamine-D11

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



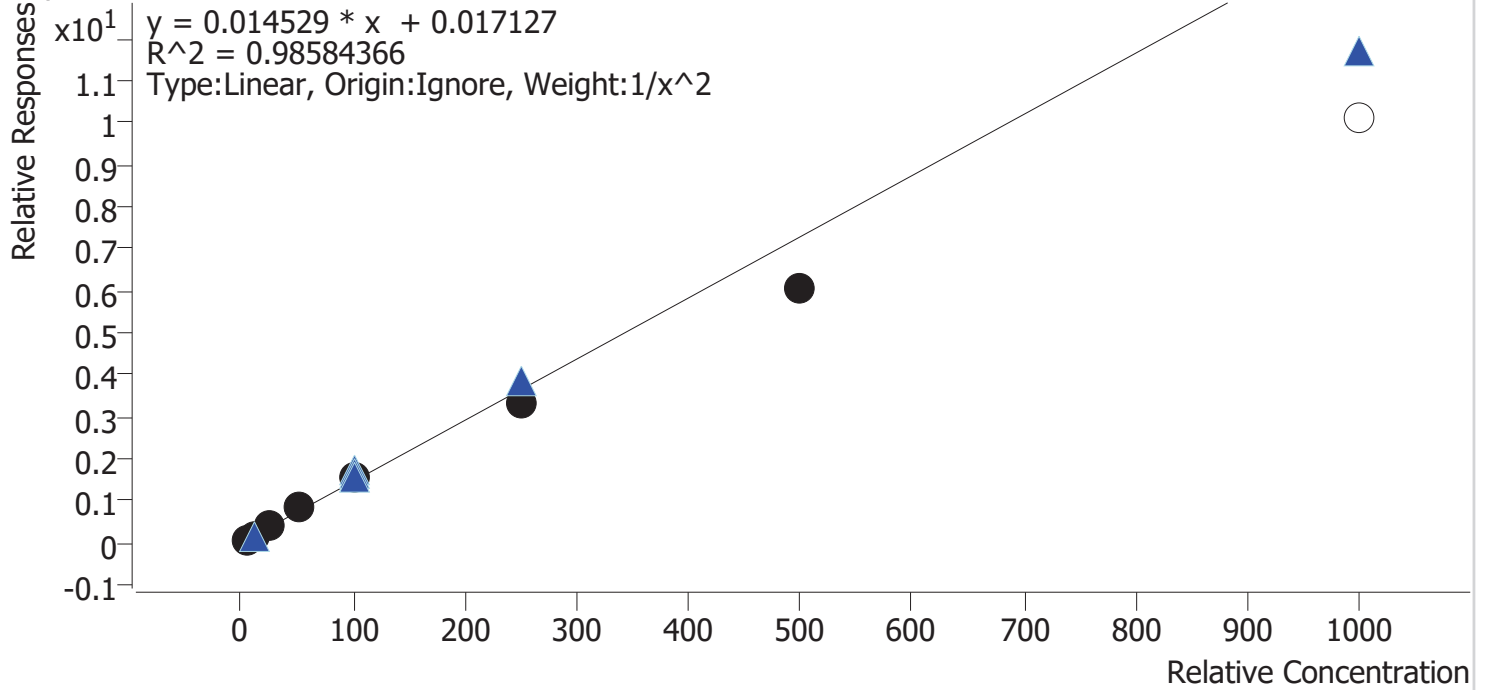
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.1
cal 2 mdq	2	✓	10.0	9.4	94.1
cal 3 mdq	3	✓	25.0	24.2	96.8
cal 4 mdq	4	✓	50.0	53.9	107.8
cal 5 mdq	5	✓	100.0	104.0	104.0
cal 6 mdq	6	✓	250.0	253.6	101.5
cal 7 mdq	7	✓	500.0	506.4	101.3
cal 8 mdq	8	✓	1000.0	983.6	98.4

Compound Calibration Report



Batch results	D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin		
Last Cal. Update	4/1/2021 3:02 PM		
Analyst Name	ISP\datastor		
Analyte	Dihydrocodeine	Internal Standard	Dihydrocodeine-D6

Dihydrocodeine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 6 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	95.7
cal 2 mdq	2	✓	10.0	10.3	103.0
cal 3 mdq	3	✓	25.0	27.0	108.0
cal 4 mdq	4	✓	50.0	55.9	111.8
cal 5 mdq	5	✓	100.0	106.2	106.2
cal 6 mdq	6	✓	250.0	230.2	92.1
cal 7 mdq	7	✓	500.0	415.7	83.1
cal 8 mdq	8	×	1000.0	691.9	69.2

dropped cal 8 does not meet accuracy requirement

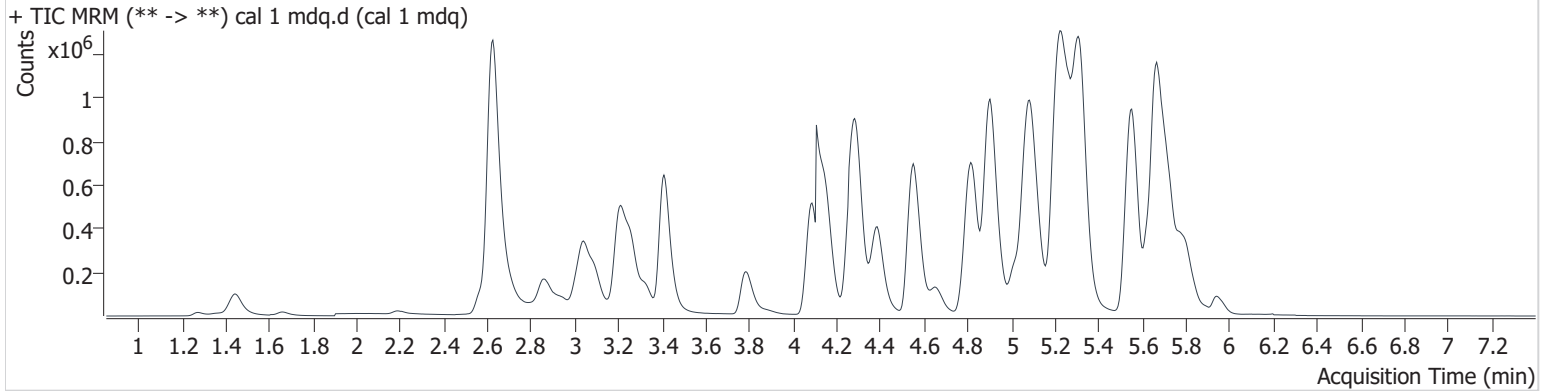


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin
Calibration Last Update 4/1/2021 3:02:20 PM

Instrument 69679 Data File cal 1 mdq.d
Type Cal Sample cal 1 mdq
Acq. Method mdqp1 1-21-21long.m Operator Anne Nord
Sample Position P2-A1 Comment
Injection Volume 3
Acq. Date-Time 3/30/2021 3:20:29 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.181	1695	5535.3	138.2	266.1	88894	0.510 ng/ml
7-aminoclonazepam	4.313	20985	1322.3	70.2	14624.3	148079	5.069 ng/ml
a-hydroxyalprazolam	5.717	3107	157.6	45.5	∞	20080	5.319 ng/ml
alpha-PHP	4.956	86670	2532.3	39.8	36896.9	998080	4.896 ng/ml
alpha-PVP	4.397	116647	7292.8	52.0	3224.2	992474	5.492 ng/ml
Alprazolam	5.786	58845	∞	91.5	1156.7	396963	5.052 ng/ml
Amphetamine	3.098	196362	1331.5	44.2	14334.6	582916	4.903 ng/ml
Benzoylcegonine	3.931	1523	22.3	24.2 High	∞	11001	5.041 ng/ml
Buprenorphine	5.710	1876	∞	14.2	407.4	128324	0.753 ng/ml
Bupropion	4.816	108471	5284.2	63.6	1285.8	998080	5.262 ng/ml
Carisoprodol	5.741	35281	∞	55.5	367.6	272740	5.071 ng/ml
Citalopram	5.248	105040	1189.5	40.8	103266.8	889522	5.053 ng/ml
Clonazepam	5.624	5854	296.4	30.1	521.8	20080	5.103 ng/ml
Clonazepam	5.576	12579	3405.8	43.3	2168.1	396963	4.898 ng/ml
Cocaine	4.291	92596	27858.0	45.5	∞	1540797	4.920 ng/ml
Codeine	2.644	13861	97301.3	89.5	∞	126118	4.901 ng/ml
Cyclobenzaprine	5.636	184764	242684.7	10.2	∞	1293274	4.991 ng/ml
Dextromethorphan	5.291	76397	6773.1	75.8	11215.1	765669	4.882 ng/ml
Dextrophan	4.154	81960	3419.0	44.7	2321.9	878999	5.386 ng/ml
Diazepam	5.947	22515	904.2	86.8	1480.8	223609	4.945 ng/ml
Dihydrocodeine	2.608	35325	4527.6	57.3	49.1	407557	4.787 ng/ml
Diphenhydramine	5.323	301340	52484.7	31.3	5845.7	2979496	5.625 ng/ml
Doxylamine	4.566	291149	4403.4	82.6	2545.5	2289397	4.566 ng/ml
EDDP	5.270	259016	17221.0	43.0	90456.7	2466838	5.175 ng/ml
Etizolam	5.831	32968	∞	25.3	22041.7	223609	5.464 ng/ml
Fentanyl	5.113	16654	∞	132.2	∞	1528709	0.575 ng/ml
Flualprazolam	5.722	23662	∞	100.0	1782.5	396963	5.076 ng/ml
Fluoxetine	5.723	154942	6118.1	7.9	21299.7	1195635	4.983 ng/ml
Hydrocodone	3.074	39757	2447.8	36.9	∞	905298	4.134 ng/ml
Hydromorphone	1.663	36773	3324.2	72.5	1341.7	14507	5.365 ng/ml
Ketamine	4.093	76317	∞	38.2	312.2	764803	4.344 ng/ml
Lamotrigine	4.324	6902	11827.5	87.3	7912.5	1195635	4.568 ng/ml
Levetiracetam	2.702	33366	741.2	224.3	2700.5	582916	4.807 ng/ml



AM #28 Multi-Drug Quant. Results

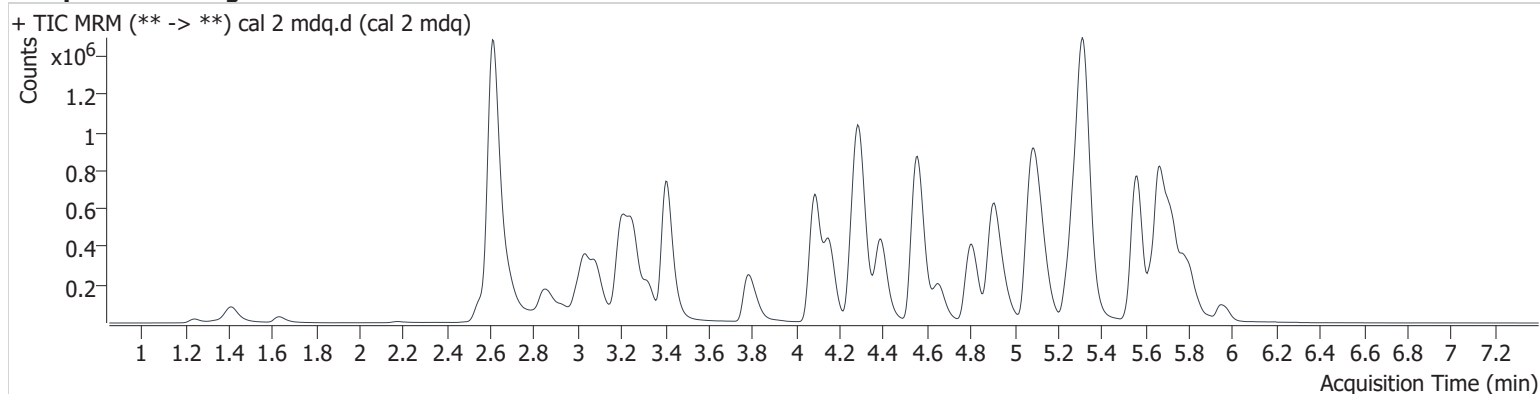
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.769	2461	∞	29.0 Low	8.4 Low	22211	4.812 ng/ml
MDA	3.245	84555	755.2	26.8	∞	547966	4.841 ng/ml
MDMA	3.333	84227	2623.5	98.1	1488.7	186712	5.242 ng/ml
Meprobamate	4.946	7463	∞	31.7	173.3	51890	4.867 ng/ml
Methadone	5.676	300592	31864.1	50.6	18838.3	2883472	5.164 ng/ml
Methamphetamine	3.267	373909	2054.5	42.0	750.2	1474761	4.934 ng/ml
Metoprolol	4.354	22291	∞	101.8	∞	4526045	4.660 ng/ml
Mirtazapine	4.654	188685	∞	48.0	∞	2883472	4.654 ng/ml
Mitragynine	5.247	53235	2182.1	32.5	∞	1195635	5.395 ng/ml
Morphine	1.281	7018	7865.7	16.5	999.2	14507	4.420 ng/ml
Norbuprenorphine	5.009	405	1144.6	105.5 High	∞	32140	0.785 ng/ml
Nordiazepam	5.907	6428	15770.5	62.9	∞	46343	5.004 ng/ml
Norfentanyl	4.114	4614	103.2	36.8	∞	1131779	0.453 ng/ml
Norhydrocodone	3.116	4621	∞	21.6	∞	190323	5.265 ng/ml
Noroxycodone	2.961	26167	1235.0	46.7	∞	185927	4.260 ng/ml
O-desmethyl-tramadol	3.414	207113	92098.9	6.2	5312.9	2062701	5.066 ng/ml
Oxazepam	5.766	3104	95.5	83.6	12.0	22211	5.637 ng/ml
Oxycodone	2.889	77568	9789.9	28.7	∞	630675	4.666 ng/ml
Oxymorphone	1.449	56664	∞	44.0	76399.0	446199	4.440 ng/ml
Phentermine	3.816	29755	204.5	9.3	346.3	728660	4.788 ng/ml
Promethazine	5.558	245515	12579.3	39.6	3546.4	2493328	5.889 ng/ml
Pseudoephedrine	2.636	487554	∞	24.9	2231.1	4526045	5.664 ng/ml
Quetiapine	5.549	227842	13487.0	60.6	39168.2	659444	4.900 ng/ml
Sertraline	5.791	56939	∞	95.0	11168.3	474901	5.000 ng/ml
Temazepam	5.833	25764	294.3	34.8	41.6	251835	5.276 ng/ml
Tramadol	4.277	190534	27107.4	3.4	124.1	1739265	4.921 ng/ml
Trazodone	5.133	190251	4841.8	77.3	∞	1643899	5.112 ng/ml
Venlafaxine	5.073	145373	59276.9	38.6	440.3	1739992	5.257 ng/ml
Zolpidem	4.844	165448	∞	31.9	∞	1467960	4.243 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin
Calibration Last Update 4/1/2021 3:02:20 PM

Instrument	69679	Data File	cal 2 mdq.d
Type	Cal	Sample	cal 2 mdq
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P2-B1	Comment	
Injection Volume	3		
Acq. Date-Time	3/30/2021 3:29:31 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.181	3677	68865.4	144.7	160285.1	102356	0.964 ng/ml
7-aminoclonazepam	4.308	48412	61659.1	72.0	38335.5	186150	9.615 ng/ml
a-hydroxyalprazolam	5.717	3432	∞	58.4	∞	15716	8.540 ng/ml
alpha-PHP	4.961	201937	∞	39.6	38376.1	1279096	9.904 ng/ml
alpha-PVP	4.397	257337	460228.0	52.6	12255.1	1108390	10.160 ng/ml
Alprazolam	5.791	85773	1088.0	88.9	3935.8	317988	9.426 ng/ml
Amphetamine	3.088	398064	5799.4	44.3	3693.9	663217	10.134 ng/ml
Benzoylcegonine	3.926	3424	∞	16.1	∞	12680	9.748 ng/ml
Buprenorphine	5.695	3248	2985.8	15.4	1239.6	123025	1.196 ng/ml
Bupropion	4.816	267398	∞	67.4	5398.6	1279096	9.909 ng/ml
Carisoprodol	5.741	54877	65457.6	57.6	5092.6	218708	9.758 ng/ml
Citalopram	5.258	189789	9772.7	40.7	204936.1	881463	9.498 ng/ml
Clonazepam	5.639	8185	∞	33.1	7590.2	15716	9.316 ng/ml
Clonazepam	5.581	20043	2937.9	41.6	∞	317988	10.073 ng/ml
Cocaine	4.296	202669	140751.4	46.4	345220.8	1683205	10.043 ng/ml
Codeine	2.628	27879	∞	90.8	∞	137960	9.833 ng/ml
Cyclobenzaprine	5.641	234325	∞	10.2	∞	818998	10.014 ng/ml
Dextromethorphan	5.297	150457	530538.1	74.4	∞	713402	10.044 ng/ml
Dextrophan	4.154	187932	26722.4	45.4	∞	1033244	10.104 ng/ml
Diazepam	5.958	48705	16678.4	87.3	5016.7	238849	9.896 ng/ml
Dihydrocodeine	2.587	73870	786.9	57.0	849.1	442893	10.301 ng/ml
Diphenhydramine	5.323	626947	14130.9	30.6	∞	3178360	10.027 ng/ml
Doxylamine	4.571	624646	∞	81.0	15770.0	2554655	9.370 ng/ml
EDDP	5.291	285328	∞	43.5	145969.1	1365469	10.123 ng/ml
Etizolam	5.831	44384	∞	24.7	15172.2	238849	7.795 ng/ml
Fentanyl	5.123	20654	186011.7	127.2	41235.5	942486	1.055 ng/ml
Flualprazolam	5.722	35259	4265.7	98.1	1647.6	317988	9.637 ng/ml
Fluoxetine	5.723	247636	∞	7.5	∞	954972	10.011 ng/ml
Hydrocodone	3.064	83572	∞	36.9	500.5	962711	9.540 ng/ml
Hydromorphone	1.633	70276	4192.2	73.2	6491.2	15825	9.612 ng/ml
Ketamine	4.093	175790	622321.6	38.7	2678.1	907629	9.567 ng/ml
Lamotrigine	4.324	17690	302759.9	86.1	6361.7	954972	11.467 ng/ml
Levetiracetam	2.692	72100	8190.8	220.9	3390.6	663217	9.410 ng/ml



AM #28 Multi-Drug Quant. Results

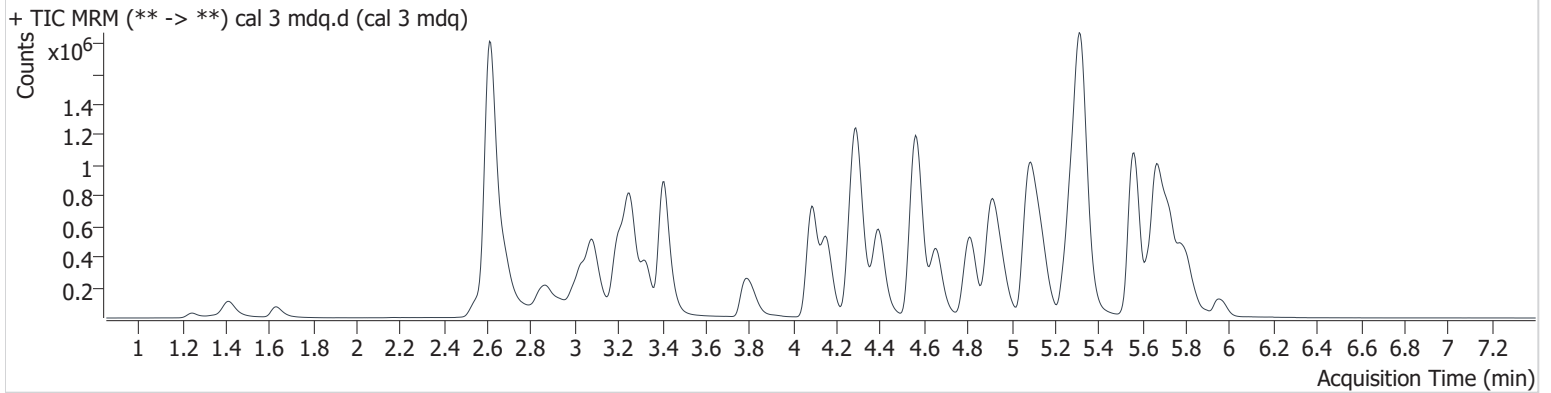
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.764	2734	∞	50.5	20.5	12721	10.050 ng/ml
MDA	3.240	200079	19396.6	26.2	466.8	658341	10.252 ng/ml
MDMA	3.328	180584	59715.7	98.5	34954.3	204468	9.949 ng/ml
Meprobamate	4.946	20781	60330.1	30.4	302.5	70760	10.252 ng/ml
Methadone	5.676	335055	47621.7	53.8	6016.4	1704504	9.558 ng/ml
Methamphetamine	3.262	588622	2009.5	41.2	42823.9	1615180	10.030 ng/ml
Metoprolol	4.360	55768	∞	92.6	∞	4854376	10.932 ng/ml
Mirtazapine	4.654	436448	654086.2	48.5	∞	1704504	11.377 ng/ml
Mitragynine	5.252	75342	100234.7	31.4	21356.8	954972	8.839 ng/ml
Morphine	1.251	12722	20822.0	16.6	1413.3	15825	8.833 ng/ml
Norbuprenorphine	5.014	229	1802.9	132.9 High	3803.3	15250	0.924 ng/ml
Nordiazepam	5.907	9877	31249.2	68.5	35076.1	39913	9.126 ng/ml
Norfentanyl	4.119	12415	743.2	37.7	10826.8	1498481	0.981 ng/ml
Norhydrocodone	3.111	9009	∞	23.3	∞	204793	9.291 ng/ml
Noroxycodone	2.951	54708	802.2	45.6	∞	199498	9.426 ng/ml
O-desmethyl-tramadol	3.414	438927	802232.7	6.1	∞	2209210	9.874 ng/ml
Oxazepam	5.781	3222	13847.8	69.0	89.3	12721	9.814 ng/ml
Oxycodone	2.878	157676	∞	28.2	∞	656108	9.651 ng/ml
Oxymorphone	1.414	84296	∞	44.1	∞	337638	9.763 ng/ml
Phentermine	3.816	74437	480.9	9.4	282.3	917346	10.274 ng/ml
Promethazine	5.563	296193	1081681.7	40.6	∞	1584458	10.050 ng/ml
Pseudoephedrine	2.621	1020212	37924.3	24.9	∞	4854376	10.113 ng/ml
Quetiapine	5.549	306230	∞	60.8	∞	449524	10.087 ng/ml
Sertraline	5.791	91424	84805.3	90.6	∞	384000	10.007 ng/ml
Temazepam	5.838	33441	343204.3	32.3	640.1	159367	10.109 ng/ml
Tramadol	4.277	418790	38250.6	3.5	603.5	1959791	10.053 ng/ml
Trazodone	5.144	248415	∞	77.2	265272.4	1056311	9.876 ng/ml
Venlafaxine	5.078	302885	16723.4	39.4	17784.4	1984357	9.391 ng/ml
Zolpidem	4.922	431192	1426330.2	31.6	850807.4	1962748	9.469 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin
Calibration Last Update 4/1/2021 3:02:20 PM

Instrument 69679 **Data File** cal 3 mdq.d
Type Cal **Sample** cal 3 mdq
Acq. Method mdqp1 1-21-21long.m **Operator** Anne Nord
Sample Position P2-C1 **Comment**
Injection Volume 3
Acq. Date-Time 3/30/2021 3:38:32 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.181	8769	31986.1	140.7	∞	96523	2.444 ng/ml
7-aminoclonazepam	4.308	117788	109902.7	72.2	90203294.0	177627	25.096 ng/ml
a-hydroxyalprazolam	5.717	8110	∞	54.5	∞	14765	25.284 ng/ml
alpha-PHP	4.961	469334	∞	39.4	30035.3	1209548	26.130 ng/ml
alpha-PVP	4.397	598650	57966.6	53.4	50503.8	1055675	23.796 ng/ml
Alprazolam	5.791	206740	3389.0	84.8	8230.3	295324	24.918 ng/ml
Amphetamine	3.088	881111	10449.4	45.2	42737.3	638484	25.625 ng/ml
Benzoylcegonine	3.926	8579	∞	16.2	1156.0	11919	25.830 ng/ml
Buprenorphine	5.710	7126	9160.8	17.0	2042.6	113483	2.563 ng/ml
Bupropion	4.821	612153	424857.7	67.9	27389.1	1209548	23.662 ng/ml
Carisoprodol	5.746	124781	182480.0	57.8	2696.9	199018	24.257 ng/ml
Citalopram	5.258	447041	19300.7	40.7	∞	822792	24.492 ng/ml
Clonazepam	5.639	20854	2898.1	31.1	61912.6	14765	25.701 ng/ml
Clonazepam	5.586	46294	6807.6	37.3	∞	295324	25.550 ng/ml
Cocaine	4.296	458506	∞	46.4	∞	1599237	24.168 ng/ml
Codeine	2.623	65848	68918.7	85.9	∞	125601	27.072 ng/ml
Cyclobenzaprine	5.641	542663	624298.0	10.4	204423.6	769882	24.698 ng/ml
Dextromethorphan	5.297	344787	∞	75.3	∞	662079	24.436 ng/ml
Dextrophan	4.154	437722	321437.7	45.4	851622.5	992025	23.908 ng/ml
Diazepam	5.958	112179	13265.1	87.9	2907.1	220938	24.469 ng/ml
Dihydrocodeine	2.582	172470	2990.9	57.4	7092.8	421335	26.995 ng/ml
Diphenhydramine	5.323	1455106	352648.3	30.6	16161.1	2977798	23.372 ng/ml
Doxylamine	4.571	1496375	4500921.7	81.1	666638.9	2434047	24.530 ng/ml
EDDP	5.291	674430	12743.2	43.3	∞	1351194	23.935 ng/ml
Etizolam	5.831	103645	∞	25.4	∞	220938	24.993 ng/ml
Fentanyl	5.123	44316	10650.0	139.1	∞	884443	2.283 ng/ml
Flualprazolam	5.722	82038	∞	96.2	∞	295324	24.487 ng/ml
Fluoxetine	5.728	558607	825577.5	7.7	312406.2	877686	24.628 ng/ml
Hydrocodone	3.064	194297	3767.8	34.9	5758.3	908894	25.543 ng/ml
Hydromorphone	1.633	161396	5589.2	74.6	2099.8	15239	23.316 ng/ml
Ketamine	4.088	410821	∞	39.1	14418.3	863046	25.272 ng/ml
Lamotrigine	4.324	39347	∞	85.8	76811.4	877686	25.699 ng/ml
Levetiracetam	2.686	174997	252331.0	222.4	18976.0	638484	24.195 ng/ml

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.774	5582	∞	45.1	78.9	11217	24.266 ng/ml
MDA	3.235	456697	∞	25.9	2261.7	614333	26.145 ng/ml
MDMA	3.328	424543	∞	99.5	∞	194914	24.057 ng/ml
Meprobamate	4.951	47057	497021.7	31.6	2431.2	65138	25.659 ng/ml
Methadone	5.676	784641	9622.3	53.8	258468.9	1603107	23.496 ng/ml
Methamphetamine	3.262	1042925	∞	41.2	∞	1537271	24.460 ng/ml
Metoprolol	4.360	124799	574131.2	95.9	∞	4500992	26.451 ng/ml
Mirtazapine	4.654	1052208	848696.6	47.7	280483.0	1603107	25.495 ng/ml
Mitragynine	5.252	191371	72554.8	32.1	8210.9	877686	22.784 ng/ml
Morphine	1.251	29780	∞	16.4	∞	15239	24.684 ng/ml
Norbuprenorphine	5.040	602	2784.3	86.0	∞	15093	2.344 ng/ml
Nordiazepam	5.912	25147	∞	62.2	24987.1	37989	24.835 ng/ml
Norfentanyl	4.114	28387	16060.2	36.5	∞	1422234	2.447 ng/ml
Norhydrocodone	3.106	21470	∞	23.5	∞	196156	22.661 ng/ml
Noroxycodone	2.951	128883	∞	45.0	∞	189082	25.194 ng/ml
O-desmethyl-tramadol	3.409	1032450	493096.2	6.2	87509.8	2084875	24.383 ng/ml
Oxazepam	5.776	7154	4030.5	73.5	159.4	11217	23.960 ng/ml
Oxycodone	2.878	375941	∞	29.0	∞	619540	25.220 ng/ml
Oxymorphone	1.414	189423	∞	43.8	∞	315077	25.017 ng/ml
Phentermine	3.816	176843	1256.6	9.1	874.8	875032	26.734 ng/ml
Promethazine	5.568	723993	3256624.2	39.4	∞	1527943	23.541 ng/ml
Pseudoephedrine	2.621	2346347	26851.2	24.9	162304.4	4500992	23.624 ng/ml
Quetiapine	5.554	733531	168391.7	60.8	1341610.9	427292	26.084 ng/ml
Sertraline	5.786	213608	880799.9	92.2	∞	367023	24.578 ng/ml
Temazepam	5.838	74229	∞	31.6	596.1	146277	23.485 ng/ml
Tramadol	4.282	976583	127231.0	3.4	1576.3	1847945	25.565 ng/ml
Trazodone	5.144	572280	877836.1	77.8	275598.9	996921	23.393 ng/ml
Venlafaxine	5.078	709635	6027664.3	39.9	10875.7	1898211	22.629 ng/ml
Zolpidem	4.922	1018357	7890707.0	29.9	239642.8	1863391	25.435 ng/ml

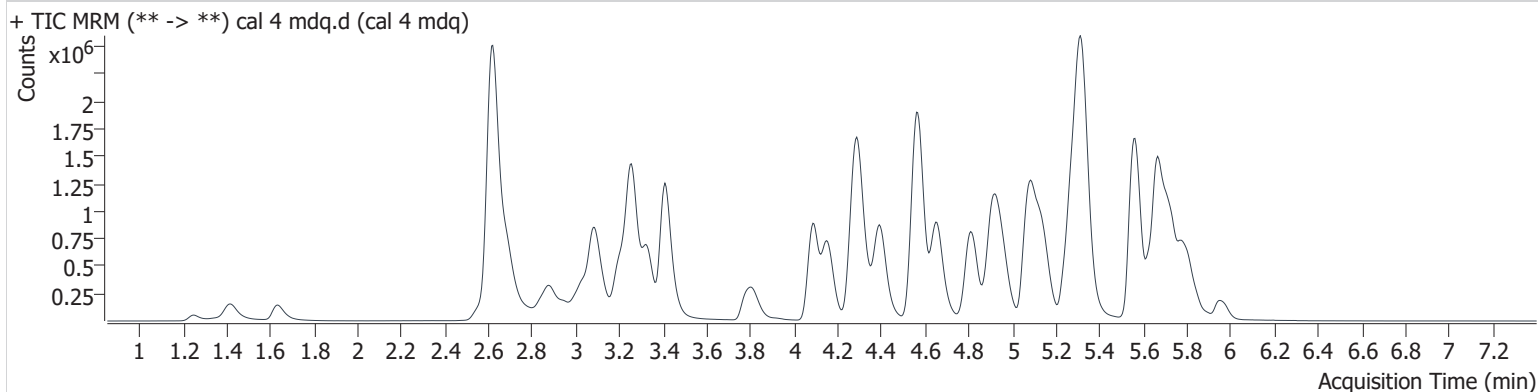
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin
Calibration Last Update 4/1/2021 3:02:20 PM

Instrument	69679	Data File	cal 4 mdq.d
Type	Cal	Sample	cal 4 mdq
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P2-D1	Comment	
Injection Volume	3		
Acq. Date-Time	3/30/2021 3:47:34 PM		

Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.176	18212	56546.6	145.0	∞	96026	5.107 ng/ml
7-aminoclonazepam	4.308	211712	201012.8	74.5	17983.6	154145	52.379 ng/ml
a-hydroxyalprazolam	5.717	15878	1195.9	52.2	4525.9	14176	54.175 ng/ml
alpha-PHP	4.961	987253	941785.6	39.7	∞	1198673	56.839 ng/ml
alpha-PVP	4.397	1270679	300657.5	52.6	55343.8	1033679	50.758 ng/ml
Alprazolam	5.786	397859	3001.8	86.3	3336.8	272037	52.369 ng/ml
Amphetamine	3.093	1737527	18027.8	45.0	27508.1	614539	54.377 ng/ml
Benzoylcegonine	3.926	17948	42392.1	16.3	∞	12247	52.496 ng/ml
Buprenorphine	5.705	14574	∞	16.0	1837.1	112610	5.067 ng/ml
Bupropion	4.821	1324750	2916686.6	67.3	21738.4	1198673	51.398 ng/ml
Carisoprodol	5.746	254044	∞	57.0	2936.3	188610	52.015 ng/ml
Citalopram	5.253	894561	42317.4	41.9	201721.4	781452	51.986 ng/ml
Clonazepam	5.639	42137	51771.5	33.4	∞	14176	54.375 ng/ml
Clonazepam	5.586	93274	5021.7	36.9	3557.2	272037	56.282 ng/ml
Cocaine	4.296	935571	1398247.4	46.1	851470.2	1514118	52.301 ng/ml
Codeine	2.634	124079	448692.1	89.5	51832.0	117054	55.739 ng/ml
Cyclobenzaprine	5.641	1115951	∞	10.3	1057119.3	753032	51.946 ng/ml
Dextromethorphan	5.297	712284	30289.5	74.3	898240.8	638135	52.093 ng/ml
Dextrophan	4.154	919984	1600234.7	45.7	1501912.6	971365	50.833 ng/ml
Diazepam	5.958	238352	6641.4	86.5	3461.4	217611	52.652 ng/ml
Dihydrocodeine	2.587	344962	1546.7	58.5	6397.6	415942	55.903 ng/ml
Diphenhydramine	5.323	3027008	2488433.3	30.2	66495.4	2808387	50.355 ng/ml
Doxylamine	4.571	3115205	73560.7	80.9	95593.6	2377858	53.001 ng/ml
EDDP	5.291	1421049	∞	43.5	∞	1339311	50.679 ng/ml
Etizolam	5.831	218479	6360.3	23.8	∞	217611	57.466 ng/ml
Fentanyl	5.123	97522	∞	135.9	116493.7	879634	4.931 ng/ml
Flualprazolam	5.722	166507	3502.8	93.8	879.2	272037	54.228 ng/ml
Fluoxetine	5.728	1123763	1558042.3	7.4	50047.0	823368	52.857 ng/ml
Hydrocodone	3.069	405075	4784.5	38.1	18044.2	905825	54.963 ng/ml
Hydromorphone	1.633	344140	2948.7	72.1	3831.1	14581	52.308 ng/ml
Ketamine	4.093	855807	∞	38.9	3522.9	850014	54.799 ng/ml
Lamotrigine	4.329	81039	58889.0	86.3	146419.6	823368	54.694 ng/ml
Levetiracetam	2.692	372729	6749.4	219.1	59225.7	614539	53.918 ng/ml

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.769	11725	∞	52.7	∞	11436	50.797 ng/ml
	3.240	895460	64667.4	25.7	5391.5	578109	55.276 ng/ml
MDMA	3.333	892748	46866.4	96.9	58575.3	186470	52.488 ng/ml
Meprobamate	4.946	100728	131730.6	29.5	2684.7	65561	54.909 ng/ml
Methadone	5.671	1692169	54271.5	53.0	29480.2	1594780	50.699 ng/ml
Methamphetamine	3.262	2151997	10220.4	40.7	39583.7	1547219	57.201 ng/ml
Metoprolol	4.360	252536	∞	96.0	∞	4339306	55.569 ng/ml
Mirtazapine	4.654	2135024	7161056.8	48.2	174124.7	1594780	49.564 ng/ml
Mitragynine	5.247	390512	7628.1	33.4	4863.6	823368	48.464 ng/ml
Morphine	1.251	62134	∞	16.1	∞	14581	56.478 ng/ml
Norbuprenorphine	5.029	1495	3451.1	79.0	12262.0	15094	5.725 ng/ml
Nordiazepam	5.912	49903	∞	67.6	∞	35309	53.310 ng/ml
Norfentanyl	4.119	60169	6857.6	34.0	18715.8	1368715	5.460 ng/ml
Norhydrocodone	3.111	46634	∞	25.0	∞	189862	50.470 ng/ml
Noroxycodone	2.951	267787	∞	44.4	17280.7	181715	55.849 ng/ml
O-desmethyl-tramadol	3.414	2206763	408777.0	6.1	40963.4	2077496	52.127 ng/ml
Oxazepam	5.776	14974	871.1	71.3	1465.1	11436	48.673 ng/ml
Oxycodone	2.884	772466	∞	29.0	∞	606077	53.586 ng/ml
Oxymorphone	1.419	376368	∞	44.4	∞	297124	53.896 ng/ml
Phentermine	3.816	366816	12964.7	9.0	4803.5	868230	56.727 ng/ml
Promethazine	5.563	1515593	∞	39.8	∞	1507191	48.547 ng/ml
Pseudoephedrine	2.625	4876337	∞	24.9	345933.9	4339306	49.785 ng/ml
Quetiapine	5.554	1425735	1529312.6	61.3	1757881.7	407596	53.602 ng/ml
Sertraline	5.791	410921	841981.3	95.4	294920.8	336220	51.700 ng/ml
Temazepam	5.838	158971	11839.1	30.4	947.3	142231	50.912 ng/ml
Tramadol	4.277	2053435	184482.7	3.4	2334.6	1840069	54.516 ng/ml
Trazodone	5.144	1157157	∞	80.9	∞	969448	48.105 ng/ml
Venlafaxine	5.073	1544410	97045.9	39.7	17655.4	1866744	49.767 ng/ml
Zolpidem	4.922	2110006	∞	30.4	∞	1841303	54.718 ng/ml

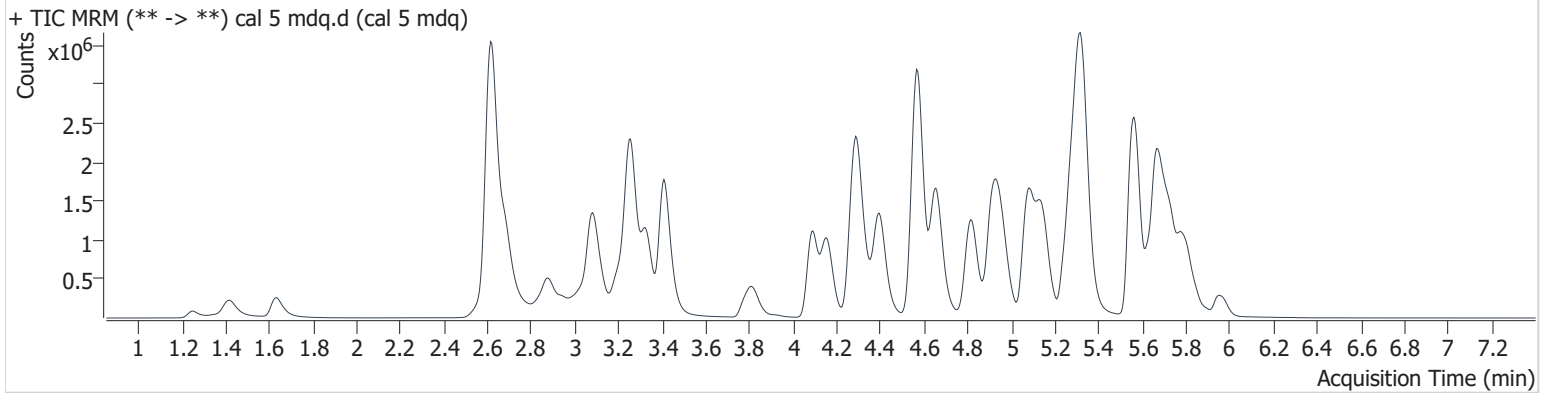
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin
Calibration Last Update 4/1/2021 3:02:20 PM

Instrument	69679	Data File	cal 5 mdq.d
Type	Cal	Sample	cal 5 mdq
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P2-E1	Comment	
Injection Volume	3		
Acq. Date-Time	3/30/2021 3:56:36 PM		

Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.176	32814	∞	144.1	79550.5	89797	9.844 ng/ml
7-aminoclonazepam	4.308	363208	23221.0	75.3	5044.6	137810	100.855 ng/ml
a-hydroxyalprazolam	5.717	27678	3179.7	57.4	∞	13794	99.036 ng/ml
alpha-PHP	4.961	1802077	∞	39.0	3210913.1	1155608	108.713 ng/ml
alpha-PVP	4.403	2323699	97942.7	53.7	416852.5	993607	95.928 ng/ml
Alprazolam	5.791	726802	9099.9	85.3	3707.7	258606	100.899 ng/ml
Amphetamine	3.088	3099052	55332.0	43.5	34030.9	584832	103.477 ng/ml
Benzoylcegonine	3.926	34250	87664.6	15.9	∞	12157	100.834 ng/ml
Buprenorphine	5.700	25878	46203.7	15.6	24936.7	100503	9.880 ng/ml
Bupropion	4.821	2455513	2359560.3	66.9	139082.6	1155608	98.608 ng/ml
Carisoprodol	5.746	430500	494626.6	56.4	7825.3	164941	100.714 ng/ml
Citalopram	5.253	1572994	28298.3	41.7	17191394.5	702194	102.059 ng/ml
Clonazepam	5.634	76578	8195.7	30.7	40637.9	13794	101.772 ng/ml
Clonazepam	5.586	160503	∞	41.0	1753.8	258606	102.149 ng/ml
Cocaine	4.296	1699551	371463.7	46.3	556701.5	1427558	100.941 ng/ml
Codeine	2.628	212518	115223.1	90.5	50006.0	108962	103.379 ng/ml
Cyclobenzaprine	5.641	2011521	32845.3	10.3	3791.8	705500	99.959 ng/ml
Dextromethorphan	5.302	1251871	39979.6	74.1	∞	579552	100.580 ng/ml
Dextrophan	4.159	1678424	147458.7	45.4	5181807.5	924484	97.055 ng/ml
Diazepam	5.958	448740	7846.8	86.0	22858.8	212345	101.477 ng/ml
Dihydrocodeine	2.582	626449	1908.9	57.8	5995.8	401441	106.227 ng/ml
Diphenhydramine	5.329	5379994	947501.2	30.2	∞	2593591	95.992 ng/ml
Doxylamine	4.571	5955676	395929.4	81.4	560157.7	2323175	104.326 ng/ml
EDDP	5.291	2600501	24637694.2	42.6	∞	1242580	99.790 ng/ml
Etizolam	5.831	382986	11742.9	24.8	109388.1	212345	106.012 ng/ml
Fentanyl	5.123	175917	∞	136.0	273190.0	836508	9.263 ng/ml
Flualprazolam	5.722	285271	2207.5	99.4	4044.8	258606	97.914 ng/ml
Fluoxetine	5.728	1931521	376540.0	7.4	1779149.7	738707	101.299 ng/ml
Hydrocodone	3.064	742999	6288.1	36.7	864.6	884525	104.472 ng/ml
Hydromorphone	1.633	633271	5367.7	71.7	∞	13916	101.118 ng/ml
Ketamine	4.093	1563033	∞	39.2	21614.0	823311	104.399 ng/ml
Lamotrigine	4.329	134107	4607.8	87.8	358999.8	738707	99.662 ng/ml
Levetiracetam	2.686	682576	6698.0	221.2	113738.5	584832	104.043 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.769	21509	∞	45.9	∞	10266	104.588 ng/ml
MDA	3.235	1511849	152652.9	25.9	6825.4	523283	103.743 ng/ml
MDMA	3.328	1593269	180724.3	99.0	49348.4	177006	98.396 ng/ml
Meprobamate	4.951	172085	306545.5	29.3	3142.9	61242	100.674 ng/ml
Methadone	5.676	3154586	110344.5	51.9	65462.7	1510070	99.620 ng/ml
Methamphetamine	3.262	3760409	∞	40.3	64817.2	1507877	107.888 ng/ml
Metoprolol	4.360	432570	567311.9	95.9	∞	4001089	103.270 ng/ml
Mirtazapine	4.658	4030646	254985.3	47.4	∞	1510070	96.487 ng/ml
Mitragynine	5.252	708926	379114.1	32.1	117969.6	738707	97.108 ng/ml
Morphine	1.251	112451	∞	17.3	∞	13916	109.111 ng/ml
Norbuprenorphine	5.034	2503	3619.2	81.5	2403.0	14759	9.761 ng/ml
Nordiazepam	5.907	95989	∞	63.6	225863.9	35034	103.584 ng/ml
Norfentanyl	4.119	105668	13344.8	35.3	∞	1278038	10.320 ng/ml
Norhydrocodone	3.106	86443	∞	25.3	∞	181237	97.717 ng/ml
Noroxycodone	2.951	475139	∞	44.5	∞	172413	105.472 ng/ml
O-desmethyl-tramadol	3.414	4066749	1147507.8	6.1	∞	2010526	99.124 ng/ml
Oxazepam	5.776	26675	509.9	77.0	281.1	10266	96.093 ng/ml
Oxycodone	2.878	1458207	∞	28.8	∞	599404	102.790 ng/ml
Oxymorphone	1.419	681044	∞	44.0	∞	280391	104.329 ng/ml
Phentermine	3.822	651227	4567.0	8.7	4020.0	824720	106.692 ng/ml
Promethazine	5.568	2819226	∞	39.2	82904.0	1416930	94.824 ng/ml
Pseudoephedrine	2.621	8715631	∞	24.8	∞	4001089	95.578 ng/ml
Quetiapine	5.549	2629784	9700749.6	60.4	∞	393602	102.783 ng/ml
Sertraline	5.791	720126	6857478.7	95.3	1453029.3	305182	99.891 ng/ml
Temazepam	5.838	269970	23790.1	31.1	658.9	123969	98.555 ng/ml
Tramadol	4.282	3655567	293595.9	3.5	1908.0	1758844	101.943 ng/ml
Trazodone	5.144	2232643	69304.6	77.2	76556.3	904601	98.939 ng/ml
Venlafaxine	5.078	2823866	206371.4	39.8	33937.7	1783697	94.997 ng/ml
Zolpidem	4.922	3888194	∞	30.7	∞	1773333	105.848 ng/ml

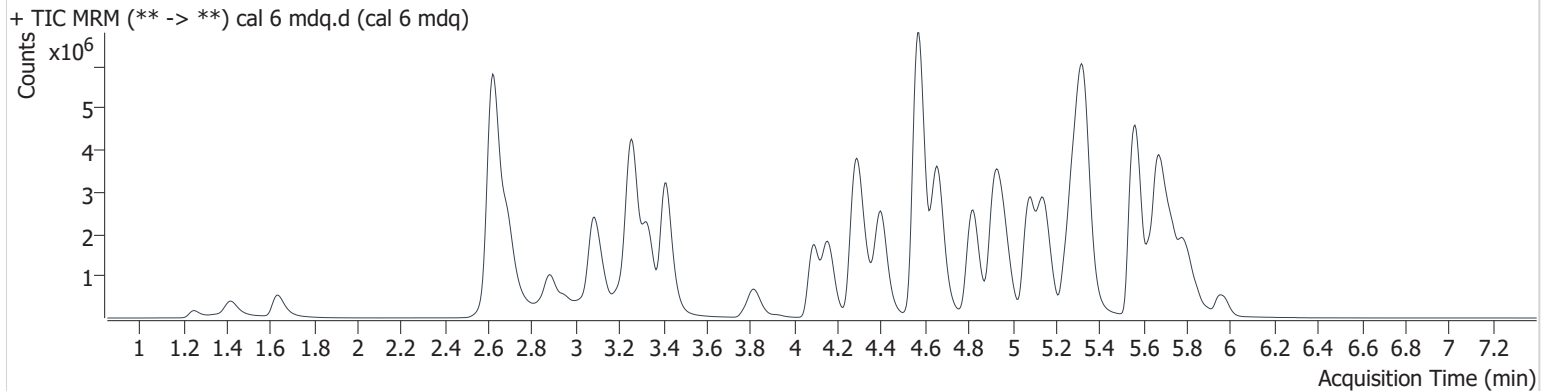


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin
Calibration Last Update 4/1/2021 3:02:20 PM

Instrument 69679 **Data File** cal 6 mdq.d
Type Cal **Sample** cal 6 mdq
Acq. Method mdqp1 1-21-21long.m **Operator** Anne Nord
Sample Position P2-F1 **Comment**
Injection Volume 3
Acq. Date-Time 3/30/2021 4:05:38 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.181	73678	361997.9	139.7	31804054.2	78851	25.176 ng/ml
7-aminoclonazepam	4.313	552815	13706.2	76.4	14665.0	85507	247.945 ng/ml
a-hydroxyalprazolam	5.717	56137	1328.2	52.1	424.2	11667	240.990 ng/ml
alpha-PHP	4.966	3860607	102681.6	39.6	47398.5	1078855	251.053 ng/ml
alpha-PVP	4.402	5245369	380875.5	53.1	153448.5	901918	237.505 ng/ml
Alprazolam	5.786	1436199	2246.2	86.8	2173.5	204682	252.334 ng/ml
Amphetamine	3.096	5849764	125126.3	44.3	∞	536885	214.656 ng/ml
Benzoylcegonine	3.926	82834	35412.5	16.6	3993.7	12525	236.584 ng/ml
Buprenorphine	5.700	48639	∞	15.9	7774.6	75019	24.569 ng/ml
Bupropion	4.821	5759265	3287114.9	65.5	508824.9	1078855	247.383 ng/ml
Carisoprodol	5.751	769265	∞	56.8	14975.3	120595	246.022 ng/ml
Citalopram	5.253	3092333	42061.5	42.8	19612400.3	565179	249.775 ng/ml
Clonazepam	5.634	149441	8143.9	31.0	∞	11667	235.143 ng/ml
Clonazepam	5.591	302882	1389.5	40.6	660.5	204682	244.009 ng/ml
Cocaine	4.296	3555366	337447.8	45.0	83890.6	1211708	249.049 ng/ml
Codeine	2.634	399394	126919.2	92.2	∞	87062	244.479 ng/ml
Cyclobenzaprine	5.636	4136798	1137907.7	9.8	19709.2	590711	245.545 ng/ml
Dextromethorphan	5.302	2450189	1176266.9	72.5	∞	458797	248.304 ng/ml
Dextrophan	4.159	3784032	322287.0	44.4	259321.3	840521	240.043 ng/ml
Diazepam	5.958	991604	6259.9	87.8	35541.5	194142	245.100 ng/ml
Dihydrocodeine	2.587	1268200	7206.8	59.2	3186.0	377172	230.247 ng/ml
Diphenhydramine	5.333	11059159	332412.6	29.8	31135.1	2099492	242.231 ng/ml
Doxylamine	4.571	14188387	2432850.5	81.5	921078.7	2204822	262.849 ng/ml
EDDP	5.291	5678536	1000506.6	42.2	6092292.4	1095088	246.991 ng/ml
Etizolam	5.836	818407	15944.9	24.8	468029.2	194142	252.440 ng/ml
Fentanyl	5.123	401525	703093.0	134.9	∞	731271	24.024 ng/ml
Flualprazolam	5.727	568372	∞	95.8	8408.1	204682	246.824 ng/ml
Fluoxetine	5.733	3480462	∞	7.5	291311.6	549417	245.477 ng/ml
Hydrocodone	3.064	1712275	2352.0	37.6	2421.1	806404	266.226 ng/ml
Hydromorphone	1.633	1398416	4054.4	72.4	46706.0	12738	244.346 ng/ml
Ketamine	4.093	3471563	2926031.0	39.0	81567.2	747683	257.073 ng/ml
Lamotrigine	4.329	241117	∞	87.6	45496.8	549417	238.874 ng/ml
Levetiracetam	2.692	1524897	40239.5	220.8	1138000.4	536885	253.638 ng/ml



AM #28 Multi-Drug Quant. Results

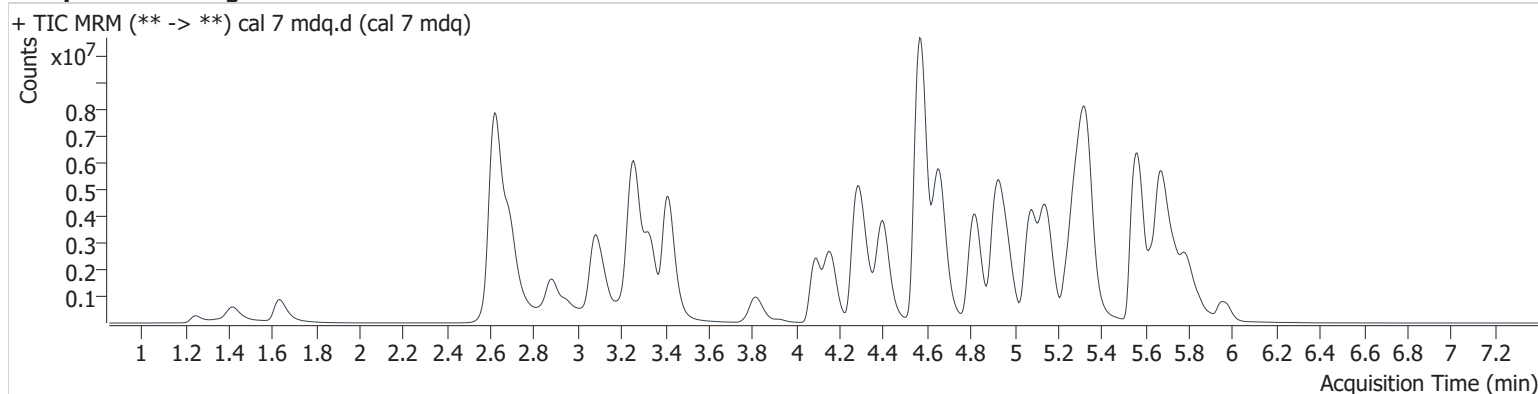
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.769	47022	∞	45.4	1500.0	9632	244.734 ng/ml
MDA	3.235	2747248	219436.7	26.1	9668.0	420550	235.500 ng/ml
MDMA	3.333	3412892	4002967.6	97.5	223785.7	153331	242.833 ng/ml
Meprobamate	4.951	332623	530123.1	28.9	15419.0	49409	241.616 ng/ml
Methadone	5.676	7010592	102467.8	50.7	206408.8	1362885	245.002 ng/ml
Methamphetamine	3.263	7820802	∞	39.8	∞	1459713	239.500 ng/ml
Metoprolol	4.360	803568	1399192.6	96.6	∞	3317098	231.456 ng/ml
Mirtazapine	4.660	9115378	403806.2	46.6	1327499.3	1362885	238.241 ng/ml
Mitragynine	5.252	1344385	30835.4	32.8	114470.3	549417	246.153 ng/ml
Morphine	1.251	237117	∞	18.1	∞	12738	254.282 ng/ml
Norbuprenorphine	5.024	5410	9690.1	95.9	14096.2	12696	24.422 ng/ml
Nordiazepam	5.907	214887	∞	63.8	∞	32314	251.767 ng/ml
Norfentanyl	4.119	216321	17509.2	34.9	182370.2	1065514	25.426 ng/ml
Norhydrocodone	3.111	186496	5675.0	26.3	5030.9	147089	259.254 ng/ml
Noroxycodone	2.951	1010153	∞	44.5	∞	150729	258.194 ng/ml
O-desmethyl-tramadol	3.414	9369440	456512.8	6.0	∞	1851462	247.764 ng/ml
Oxazepam	5.771	63074	4805.1	72.7	1585.2	9632	241.441 ng/ml
Oxycodone	2.878	3354145	∞	28.9	∞	568160	250.236 ng/ml
Oxymorphone	1.419	1433608	∞	43.7	∞	242818	255.127 ng/ml
Phentermine	3.822	1398286	8214.7	8.3	7851.5	773240	245.328 ng/ml
Promethazine	5.568	6193801	2537523.2	37.3	416574.3	1230580	237.951 ng/ml
Pseudoephedrine	2.627	18161988	∞	24.2	∞	3317098	238.746 ng/ml
Quetiapine	5.549	5177546	3304551.2	60.1	∞	330399	241.658 ng/ml
Sertraline	5.786	1283971	∞	96.3	1156912.3	221026	246.034 ng/ml
Temazepam	5.843	552035	155512.2	30.9	9471.5	101279	245.654 ng/ml
Tramadol	4.281	7868989	343325.0	3.4	8960.4	1590630	243.310 ng/ml
Trazodone	5.147	4921650	287419.3	79.8	452799.4	789253	249.221 ng/ml
Venlafaxine	5.078	6703141	291560.5	38.6	40018.3	1606589	249.938 ng/ml
Zolpidem	4.922	8797249	181442.8	29.9	149360.0	1640187	260.755 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin
Calibration Last Update 4/1/2021 3:02:20 PM

Instrument	69679	Data File	cal 7 mdq.d
Type	Cal	Sample	cal 7 mdq
Acq. Method	mdqp1 1-21-21long.m	Operator	Anne Nord
Sample Position	P2-G1	Comment	
Injection Volume	3		
Acq. Date-Time	3/30/2021 4:14:40 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.181	123445	∞	137.9	197023.2	65903	50.472 ng/ml
7-aminoclonazepam	4.313	660825	23552.5	78.1	48541.0	52632	481.873 ng/ml
a-hydroxyalprazolam	5.722	75641	2116.7	55.2	1127.1	8108	469.613 ng/ml
alpha-PHP	4.968	6018773	12544733.4	39.4	200689.2	911633	464.227 ng/ml
alpha-PVP	4.403	8705798	1093884.4	52.7	445183.4	720105	492.953 ng/ml
Alprazolam	5.786	2052149	2283.4	89.5	7034.6	150843	489.511 ng/ml
Amphetamine	3.088	8343176	208008.3	44.9	68052.8	460772	357.907 ng/ml
Benzoylcegonine	3.921	163687	∞	15.8	∞	12250	477.877 ng/ml
Buprenorphine	5.695	64464	∞	15.5	∞	50024	48.631 ng/ml
Bupropion	4.820	9895500	9102139.9	64.2	351055.6	911633	502.781 ng/ml
Carisoprodol	5.751	1001429	∞	55.2	15835.5	76315	506.018 ng/ml
Citalopram	5.250	4412260	139840.0	42.6	∞	400432	503.365 ng/ml
Clonazepam	5.634	208967	889149.1	32.8	587974.9	8108	473.388 ng/ml
Clonazepam	5.591	438086	45490.8	40.6	1374.4	150843	479.225 ng/ml
Cocaine	4.297	5320818	243396.9	45.7	292269.7	913052	494.814 ng/ml
Codeine	2.634	576886	20547.2	93.1	36842.1	66343	464.285 ng/ml
Cyclobenzaprine	5.636	6032031	82146.2	9.8	52729.0	426739	495.630 ng/ml
Dextromethorphan	5.297	3461718	241400.7	74.2	∞	320994	501.166 ng/ml
Dextrophan	4.158	6212421	218583.1	43.9	708929.2	667272	495.959 ng/ml
Diazepam	5.963	1568551	9958.4	86.9	25505.7	152651	492.970 ng/ml
Dihydrocodeine	2.582	1997542	4814.9	59.4	5539.4	329782	415.721 ng/ml
Diphenhydramine	5.334	16582784	777345.3	29.2	41637.9	1555863	489.110 ng/ml
Doxylamine	4.566	23698843	4113017.5	83.8	179998.7	1819614	532.636 ng/ml
EDDP	5.291	9468938	229307.7	42.2	622188.8	915351	492.552 ng/ml
Etizolam	5.831	1241767	29624.5	24.7	∞	152651	490.378 ng/ml
Fentanyl	5.128	645199	∞	139.4	887425.7	573817	49.092 ng/ml
Flualprazolam	5.727	846592	∞	92.9	∞	150843	499.098 ng/ml
Fluoxetine	5.731	4451156	187620.8	7.5	383523.3	350624	491.975 ng/ml
Hydrocodone	3.064	2892088	4091.8	36.7	2256.5	707991	513.464 ng/ml
Hydromorphone	1.633	2351281	7305.5	72.0	5946.7	10590	494.464 ng/ml
Ketamine	4.093	5670293	2557429.9	38.5	75164.8	615965	510.866 ng/ml
Lamotrigine	4.329	306544	272997.4	87.2	136707.1	350624	474.443 ng/ml
Levetiracetam	2.692	2611225	52267.3	223.9	132390.4	460772	506.382 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.764	74281	∞	48.8	16588.2	7451	500.507 ng/ml
MDA	3.230	3727123	276620.7	26.4	12564.9	307268	437.921 ng/ml
MDMA	3.334	5316355	338005.9	97.7	183013.3	120159	482.372 ng/ml
Meprobamate	4.951	451030	22163.5	29.8	7672.9	33898	477.841 ng/ml
Methadone	5.676	11545163	968851.4	49.3	1060954.1	1061534	517.787 ng/ml
Methamphetamine	3.257	12178078	∞	38.9	∞	1294962	425.454 ng/ml
Metoprolol	4.360	1104026	∞	95.5	∞	2491469	423.417 ng/ml
Mirtazapine	4.654	14968477	719274.6	46.0	311159.4	1061534	499.678 ng/ml
Mitragynine	5.247	1946007	51819.2	33.2	11294.7	350624	557.143 ng/ml
Morphine	1.251	405374	∞	17.0	∞	10590	525.269 ng/ml
Norbuprenorphine	5.029	9281	62275.2	92.8	66795.3	11013	48.235 ng/ml
Nordiazepam	5.912	340659	∞	64.4	∞	26242	491.716 ng/ml
Norfentanyl	4.114	314844	45389.5	35.0	∞	784010	50.350 ng/ml
Norhydrocodone	3.111	285195	1657.6	28.8	2221.6	112703	517.116 ng/ml
Noroxycodone	2.951	1627733	∞	44.7	∞	122870	511.538 ng/ml
O-desmethyl-tramadol	3.414	15646726	2928870.8	6.0	257625.4	1538946	497.628 ng/ml
Oxazepam	5.771	104841	28150.1	73.0	4133.0	7451	518.167 ng/ml
Oxycodone	2.880	5802663	∞	28.8	∞	494001	498.449 ng/ml
Oxymorphone	1.414	2332386	∞	43.1	∞	199650	505.872 ng/ml
Phentermine	3.816	2225461	5412.7	8.1	∞	661535	457.048 ng/ml
Promethazine	5.568	9850881	404489.6	36.8	∞	956883	485.378 ng/ml
Pseudoephedrine	2.625	27937826	∞	23.9	∞	2491469	487.921 ng/ml
Quetiapine	5.544	7377367	596988.3	60.8	∞	252630	450.709 ng/ml
Sertraline	5.786	1755287	4720952.6	94.3	∞	149346	497.864 ng/ml
Temazepam	5.843	799209	666077.4	31.3	∞	71640	502.076 ng/ml
Tramadol	4.272	12369862	810171.5	3.4	10041.8	1313222	463.704 ng/ml
Trazodone	5.144	8160975	370193.3	78.4	139097.9	589195	552.966 ng/ml
Venlafaxine	5.077	11417061	341080.0	37.7	58902.4	1298873	526.274 ng/ml
Zolpidem	4.922	14265082	∞	29.8	663111.1	1358628	511.659 ng/ml

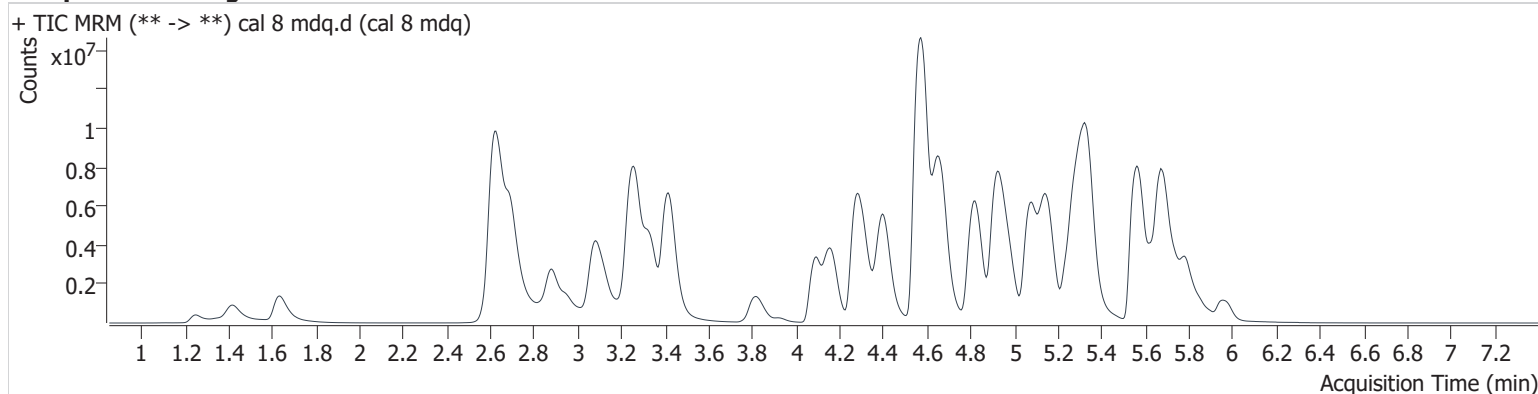


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2021\am 27-28\033021\QuantResults\mdq.batch.bin
Calibration Last Update 4/1/2021 3:02:20 PM

Instrument 69679 Data File cal 8 mdq.d
Type Cal Sample cal 8 mdq
Acq. Method mdqp1 1-21-21long.m Operator Anne Nord
Sample Position P2-H1 Comment
Injection Volume 3
Acq. Date-Time 3/30/2021 4:32:38 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.181	208381	532415.8	139.5	312049.9	55322	101.497 ng/ml
7-aminoclonazepam	4.318	630920	20154.8	84.4	10669.6	24002	1009.260 ng/ml
a-hydroxyalprazolam	5.727	109102	10550.5	54.5	1780.7	5036	1093.869 ng/ml
alpha-PHP	4.971	8973531	126055.2	39.0	∞	762362	828.606 ng/ml
alpha-PVP	4.403	14172267	1859820.6	52.5	224259.6	564237	1023.407 ng/ml
Alprazolam	5.786	2905447	9546.2	88.5	1878.4	104002	1005.490 ng/ml
Amphetamine	3.093	11010170	70376.9	45.6	86207.1	391410	557.006 ng/ml
Benzoylcegonine	3.926	329940	115124.9	16.2	∞	11437	1031.631 ng/ml
Buprenorphine	5.695	72849	∞	15.7	22931.2	26949	101.790 ng/ml
Bupropion	4.821	16479040	2317383.8	63.5	153845.2	762362	1000.996 ng/ml
Carisoprodol	5.751	1119349	∞	55.3	35677.5	43327	996.145 ng/ml
Citalopram	5.243	6038851	139107.6	43.2	∞	277693	993.772 ng/ml
Clonazepam	5.634	281566	491655.7	31.1	∞	5036	1027.254 ng/ml
Clonazepam	5.596	572995	3143.8	39.6	2836.3	104002	909.401 ng/ml
Cocaine	4.296	7756689	2329705.9	44.6	11328220.9	656276	1003.764 ng/ml
Codeine	2.639	798367	197097.7	95.1	12308.8	47493	898.479 ng/ml
Cyclobenzaprine	5.631	7948902	250034.3	9.7	18664.1	278602	1000.435 ng/ml
Dextromethorphan	5.297	4536804	353075.5	73.2	3070214.2	211098	998.494 ng/ml
Dextrophan	4.159	10012540	∞	43.6	458639.2	524377	1016.712 ng/ml
Diazepam	5.963	2466159	24236.3	85.7	40170.1	117306	1008.492 ng/ml
Dihydrocodeine	2.582	3031530	6944.6	59.8	1744.0	301072	691.855 ng/ml
Diphenhydramine	5.339	22837600	311560.4	29.6	173634.4	1023085	1023.289 ng/ml
Doxylamine	4.571	36128204	3868955.2	89.0	1422171.6	1558185	948.723 ng/ml
EDDP	5.291	15895399	426904.3	41.7	203842.6	748659	1010.754 ng/ml
Etizolam	5.836	1800027	24941.7	24.9	∞	117306	928.111 ng/ml
Fentanyl	5.128	1027995	∞	141.9	2164719.1	436232	102.778 ng/ml
Flualprazolam	5.727	1160434	6240.3	93.8	∞	104002	992.459 ng/ml
Fluoxetine	5.733	4954683	201843.2	7.7	460666.7	195717	981.108 ng/ml
Hydrocodone	3.065	4822140	1727.7	38.7	1635.9	631098	961.658 ng/ml
Hydromorphone	1.633	4010036	∞	72.1	∞	8849	1009.470 ng/ml
Ketamine	4.092	8939983	735437.5	37.8	495597.9	510111	973.681 ng/ml
Lamotrigine	4.329	331139	37379.1	90.3	23211.7	195717	916.800 ng/ml
Levetiracetam	2.697	4307296	150661.1	225.0	662027.8	391410	983.607 ng/ml



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Lorazepam	5.764	126791	∞	50.2	6589.6	6483	982.628 ng/ml
	3.220	4690155	300406.7	26.3	24073.0	220867	767.202 ng/ml
MDMA	3.333	8037811	1716230.8	96.6	541578.4	85492	1024.663 ng/ml
Meprobamate	4.951	525146	18309.2	28.7	507388.7	19900	948.026 ng/ml
Methadone	5.676	18299691	485738.7	47.7	171930.0	832820	1045.903 ng/ml
Methamphetamine	3.262	17962474	∞	38.4	271843.7	1190584	686.613 ng/ml
Metoprolol	4.354	1413206	2341348.8	97.1	∞	1738776	776.655 ng/ml
Mirtazapine	4.660	23634996	2810467.7	46.3	938382.0	832820	1003.284 ng/ml
Mitragynine	5.242	2119923	46849.9	34.0	819317.4	195717	1086.427 ng/ml
Morphine	1.251	615926	∞	18.6	∞	8849	956.921 ng/ml
Norbuprenorphine	5.024	14821	∞	91.9	22899.2	8479	99.986 ng/ml
Nordiazepam	5.907	568501	∞	62.1	75963.9	21526	1000.659 ng/ml
Norfentanyl	4.114	422747	29632.2	35.1	441531.9	538075	98.563 ng/ml
Norhydrocodone	3.111	423350	3373.0	29.4	∞	82083	1053.639 ng/ml
Noroxycodone	2.951	2599288	∞	44.9	22717.0	103579	970.067 ng/ml
O-desmethyl-tramadol	3.414	25567919	7540634.1	5.9	∞	1246189	1004.034 ng/ml
Oxazepam	5.771	175456	4723.6	73.8	2878.2	6483	996.216 ng/ml
Oxycodone	2.878	10468547	190828.6	28.4	16407.6	446532	995.401 ng/ml
Oxymorphone	1.414	3838314	2020203.6	43.7	∞	169504	981.556 ng/ml
Phentermine	3.822	3639440	∞	7.4	∞	583021	848.754 ng/ml
Promethazine	5.568	14824312	247612.3	35.3	∞	675140	1033.821 ng/ml
Pseudoephedrine	2.626	41145954	∞	23.4	∞	1738776	1028.569 ng/ml
Quetiapine	5.539	9167228	∞	61.8	∞	166612	849.590 ng/ml
Sertraline	5.786	1970207	8431725.9	95.0	1378482.3	83184	1003.371 ng/ml
Temazepam	5.849	1139219	53996.8	30.7	∞	51036	1003.932 ng/ml
Tramadol	4.272	18594706	1188995.4	3.3	43652.2	936957	977.505 ng/ml
Trazodone	5.149	13029483	792974.9	77.3	471725.0	403403	1288.785 ng/ml
Venlafaxine	5.073	18886552	475833.8	37.2	137584.8	1021396	1106.806 ng/ml
Zolpidem	4.917	22769096	1276587.1	29.8	15286775.1	1147727	967.873 ng/ml