

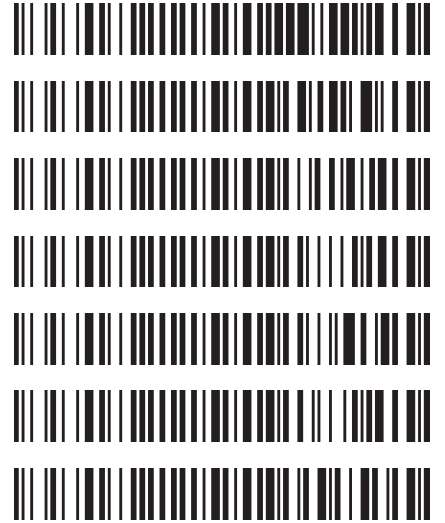
REVIEWED

By Anne Nord at 11:51 am, May 08, 2020

5/7/2020 *BW*

Worklist: 4219

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
C2020-0668	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
C2020-0730	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
C2020-0772	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
C2020-0787	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
C2020-0793	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
C2020-0799	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
C2020-0820	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ



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

BW

Extraction Date 5/6/2020

Analyst: Britany Wylie

Plate lot#: 190729 (part IDP-111)

Plate Expiration: 1/29/20

Mobile phase A: 5mM Amm Form + 0.01% FA
0.5M Ammonium Hydroxide

Mobile phase B: 0.01% Formic Acid in MeOH
Ethyl Acetate 20% Methanol in Water

Blank Blood Lot: 20A52255

Urine Blank lot: 41520

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. Pipette **250µL blood (calibrated pipette) Pipette ID: 1926134** 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** 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. 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: Batch contained blood samples only

Curves limited to- (5-500) amphetamine, meprobamate; (10-1000) Benzylecgonine, phentermine; (2.5-100) Buprenorphine, Norbuprenorphine; (25-1000) Carisoprodol, fluoxetine, Sertraline; (5-250) Lamotrigine, norhydrocodone; (5-100) Lorazepam

Methamphetamine reported qualitatively, curve limited 10-1000

Retention times shifted for several compounds, the method RT's updated for appropriate compounds and batch was re-injected.
No samples had been injected prior to the acquisition method update.

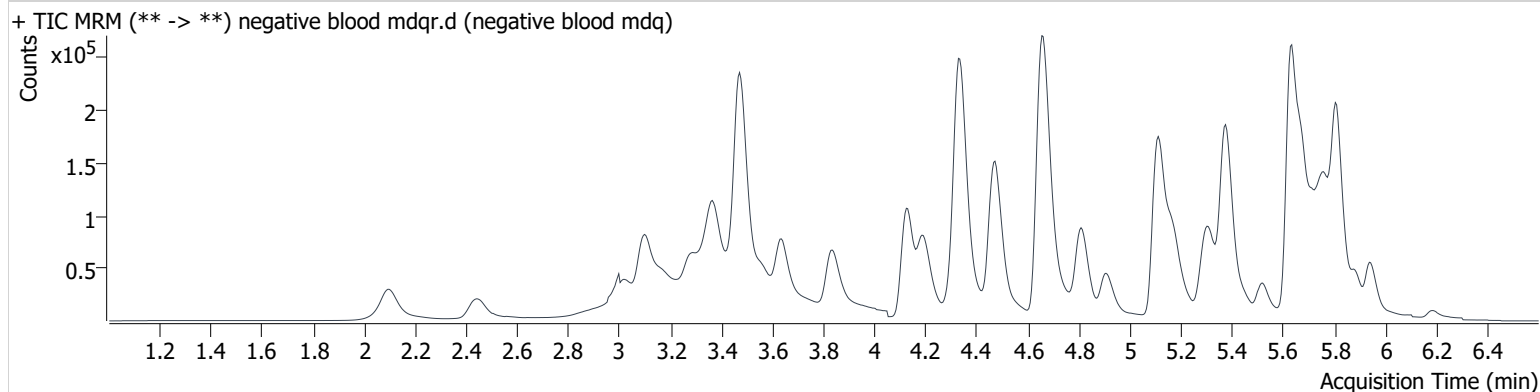
BW

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 28 reinject 5-5-20\QuantResults\mds2.batch.bin
Calibration Last Update 5/7/2020 12:18:44 PM

Instrument	69679	Data File	negative blood mdqr.d
Type	Sample	Sample	negative blood mdq
Acq. Method	mdq p1 cda 5520.m	Operator	Britany Wylie
Sample Position	P2-D3	Comment	
Injection Volume	2		
Acq. Date-Time	5/7/2020 2:35:22 AM		
Sample Info.			

Sample Chromatogram

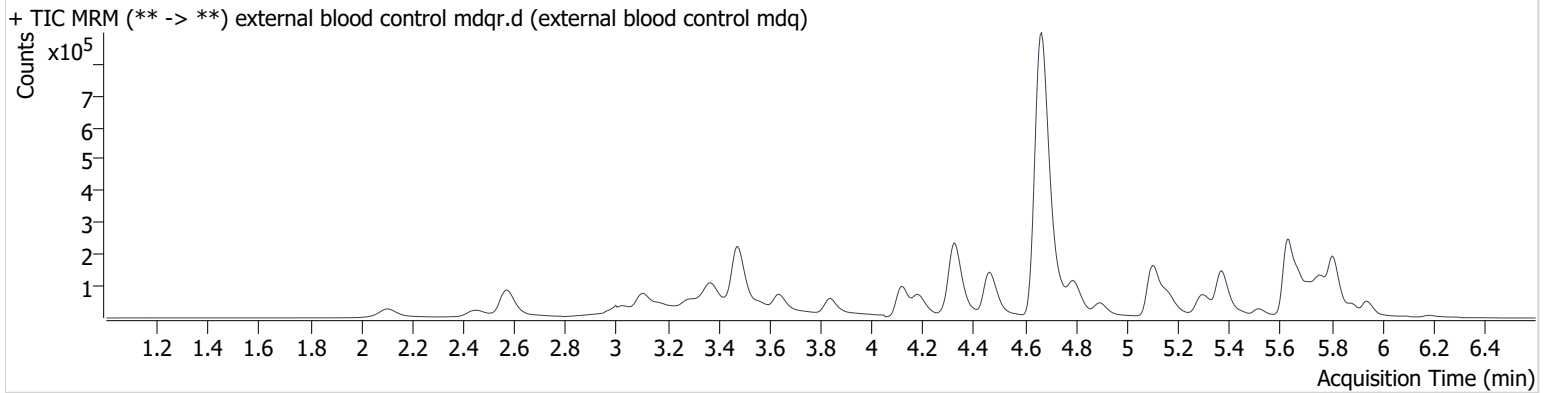


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 28 reinject 5-5-20\QuantResults\mds2.batch.bin
Calibration Last Update 5/7/2020 12:18:44 PM

Instrument	69679	Data File	external blood control mdqr.d
Type	Sample	Sample	external blood control mdq
Acq. Method	mdq p1 cda 5520.m	Operator	Britany Wylie
Sample Position	P2-E3	Comment	
Injection Volume	2		
Acq. Date-Time	5/7/2020 2:46:13 AM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Doxylamine	4.666	1478711	29770.2	96.8	35525.1	734820	86.250 ng/ml
Hydromorphone	2.573	227262	693.4	71.2	17072.3	100795	92.939 ng/ml

Toxicology AM method 25/28 urine external control prep

working solution 10000 ng/ml in meoh Hydromorphone, Diphenhydramine, Nortriptyline, Chlordiazepoxide

Stock solution 1mg/ml 50 ul each in 4800ul meOH (Alfa Aesar lot Z22F712)

ppd 5/6/20: Exp: 6/1/20 lot 5620 by baw

Drug	lot	expiration
Hydromorphone	FE04101502	6/1/2020
Doxylamine	FN11201501	11/1/2020
nortriptyline	FN06191503	8/1/2020
chlordiazepoxide	FE07241502	8/1/2020

AM 25/28 control 500 ul working solution (5620) in 4500 ul negative urine (1000ng/mL Expected concentration)

ppd 5/6/20, exp 6/1/20 lot u32420 negative urine 41520 by BAW

AM 25/28 Blood Control: 50ul working solution (562020) in 4950 ul neg blood (100ng/mL Expected concentration)

ppd 5/6/20, exp 6/1/20 lot b3920 neg blood lot 20A52255 by BAW

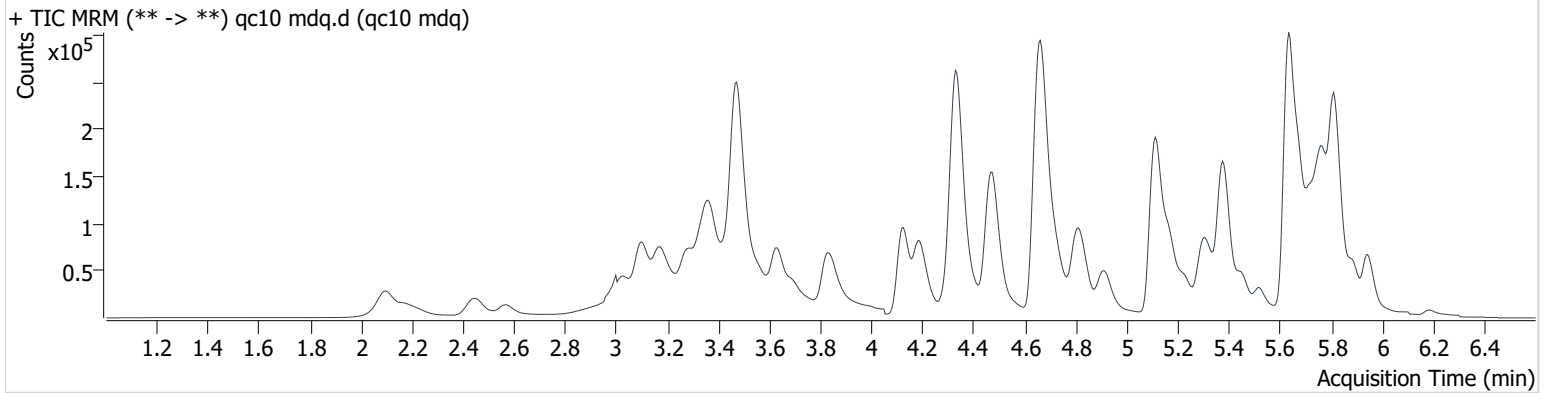
AM #28 Multi-Drug Quant. Results

BW

Batch results D:\MassHunter\Data\2020 Data\am 28 reinject 5-5-20\QuantResults\mds2.batch.bin
Calibration Last Update 5/7/2020 12:18:44 PM

Instrument	69679	Data File	qc10 mdq.d
Type	QC	Sample	qc10 mdq
Acq. Method	mdq p1 cda 5520.m	Operator	Britany Wylie
Sample Position	P2-A2	Comment	
Injection Volume	2		
Acq. Date-Time	5/7/2020 2:57:00 AM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.591	1456	582.3	78.6	5166.2	40430	0.950 ng/ml
7-aminoclonazepam	4.317	24609	3331.3	84.0	2797.2	113941	9.708 ng/ml
a-hydroxyalprazolam	5.700	5778	329.5	60.5	16727.6	29541	10.383 ng/ml
alpha-PVP	4.724	69268	4434.4	52.5	1772.5	292064	10.132 ng/ml
Alprazolam	5.779	40158	20305.4	108.7	2383.7	141050	9.900 ng/ml
Amphetamine	3.178	88560	1247.4	41.9	891.7	115820	10.716 ng/ml
Benzoylcegonine	3.909	1480	344.0	9.2	29.3	5997	9.276 ng/ml
Buprenorphine	<u>6.222</u>	<u>517</u>	<u>27.3</u>	<u>10.8 Low</u>	<u>153.1</u>	<u>16933</u>	<u>1.185 ng/ml</u> *
Bupropion	5.232	50617	8608.6	62.0	1291.4	201633	9.794 ng/ml
Carisoprodol	<u>5.729</u>	<u>35710</u>	<u>3211.9</u>	<u>80.9 High</u>	<u>493.3</u>	<u>177142</u>	<u>9.470 ng/ml</u> *
Citalopram	5.296	22972	1548.4	46.6	13549.7	95618	9.424 ng/ml
Clonazepam	5.623	32749	3139.0	34.9	54056.4	55462	10.447 ng/ml
Cocaine	4.485	63655	86927.6	45.0	3629.0	497232	9.915 ng/ml
Codeine	3.511	8102	1755.7	102.1	214.1	40806	10.190 ng/ml
Cyclobenzaprine	5.672	5038	5058.8	8.7	58.8	18048	9.598 ng/ml
Dextromethorphan	5.345	12189	8720.0	78.1	831.0	57279	9.912 ng/ml
Dextrorphan	4.191	18795	1775.7	208.1	2247.3	202560	10.637 ng/ml
Diazepam	5.950	25238	2045.6	86.3	1990.5	117809	10.411 ng/ml
Dihydrocodeine	3.165	21050	521.6	64.0	410.8	116765	10.047 ng/ml
Diphenhydramine	5.382	81212	10978.5	33.2	9514.0	417429	10.631 ng/ml
Doxylamine	4.676	166108	5239.0	96.7	7155.2	692114	9.991 ng/ml
EDDP	5.308	11315	125.5	232.3	1059.6	124941	9.509 ng/ml
Fentanyl	5.529	1284	40.2	68.1	1650.7	66505	0.951 ng/ml
Fluoxetine	<u>5.727</u>	<u>2432</u>	<u>496.1</u>	<u>10.7 High</u>	<u>545.4</u>	<u>7541</u>	<u>12.645 ng/ml</u> *
Hydrocodone	3.690	33296	1374.7	38.4	5096.2	174261	9.968 ng/ml
Hydromorphone	2.568	24789	482.8	77.8	624.1	100940	8.652 ng/ml
Ketamine	4.837	57480	3299.2	37.8	183.4	279774	9.803 ng/ml
Lamotrigine	4.483	5520	1255.7	92.3	1830.2	279774	10.395 ng/ml
Lorazepam	5.752	22048	1106.5	55.0	85.1	117809	10.968 ng/ml
Meprobamate	4.929	28469	1687.6	28.0	438.6	126420	10.052 ng/ml
Methadone	5.680	39729	2487.1	46.9	2163.6	190305	10.127 ng/ml
Methamphetamine	3.340	105657	∞	39.2	195.8	171837	3.057 ng/ml
Metoprolol	4.389	12340	1742.1	101.8	2486.8	692114	10.196 ng/ml

BW

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	5.454	55916	111636.0	45.6	544.7	190305	9.602 ng/ml
Mitragynine	5.580	3620	8831.0	36.5	603.9	190305	11.269 ng/ml
Morphine	2.231	4826	5007.4	19.3	146.9	6189	8.946 ng/ml
Norbuprenorphine	5.104	48	3.1 Low	40.2 Low	80.0	2710	0.828 ng/ml *
Nordiazepam	5.894	22580	37709.5	64.1	11927.8	73438	9.959 ng/ml
Norfentanyl	4.152	1035	183.0	298.6	50.3	356148	0.982 ng/ml
Norhydrocodone	3.191	760	233.4	34.1	9.1 Low >5	46078	8.685 ng/ml
Noroxycodone	3.038	30614	1031.6	39.2	202.8	112475	9.667 ng/ml
O-desmethyl-tramadol	3.488	129587	28886.5	6.6	598.9	674874	10.190 ng/ml
Oxazepam	5.759	36732	1237.2	76.3	262.1	205892	9.224 ng/ml
Oxycodone	3.428	61238	2877.1	30.2	2530.6	285698	10.049 ng/ml
Oxymorphone	2.173	36364	1997.9	44.1	1360.2	147209	9.072 ng/ml
Phentermine	3.862	17038	62.8	6.3	10.9	215665	11.050 ng/ml
Promethazine	5.645	8226	617.0	34.7	140.9	35435	10.267 ng/ml
Quetiapine	5.823	25404	1835.2	61.9	4983.0	34089	10.485 ng/ml
Sertraline	5.805	1085	66.0	88.3	238.8	2904	14.344 ng/ml *
Temazepam	5.821	70044	3822.6	30.2	410.4	338155	10.425 ng/ml
Tramadol	4.344	152408	29593.0	3.6	92.3	751192	10.580 ng/ml
Trazodone	5.829	33606	37978.6	81.1	28120.3	139316	10.088 ng/ml
Venlafaxine	5.117	110097	67800.8	38.7	828.7	593713	10.109 ng/ml
Zolpidem	5.639	154851	14450.7	30.7	15048.4	667765	9.973 ng/ml

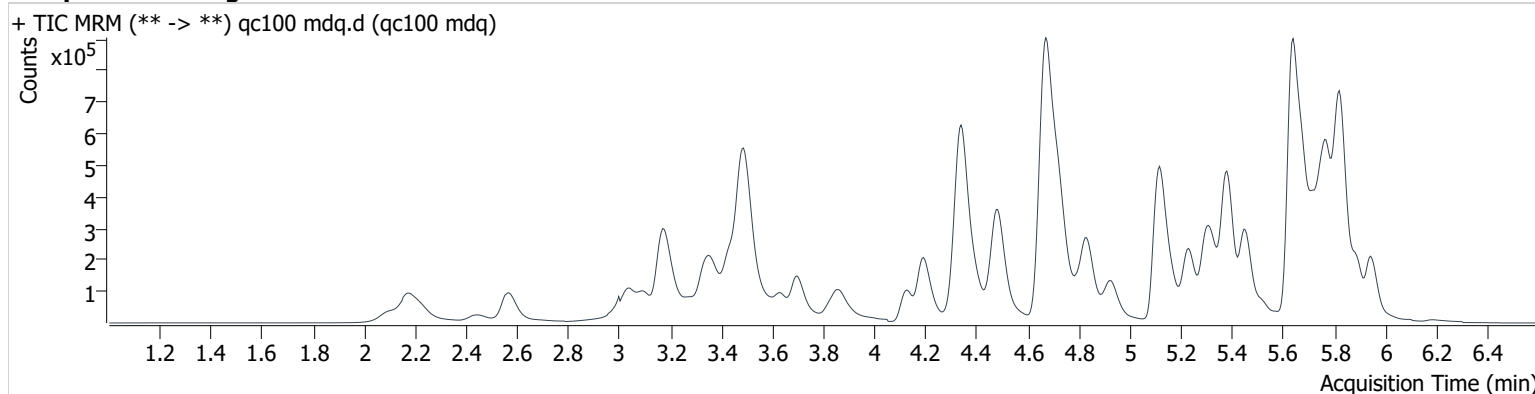
* outside curve range

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 28 reinject 5-5-20\QuantResults\mds2.batch.bin
Calibration Last Update 5/7/2020 12:18:44 PM

Instrument	69679	Data File	qc100 mdq.d
Type	QC	Sample	qc100 mdq
Acq. Method	mdq p1 cda 5520.m	Operator	Britany Wylie
Sample Position	P2-B2	Comment	
Injection Volume	2		
Acq. Date-Time	5/7/2020 3:07:48 AM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.602	13462	4267.7	71.3	6504.5	39426	9.908 ng/ml
7-aminoclonazepam	4.317	236290	17940.0	84.4	24793.1	112811	102.825 ng/ml
a-hydroxyalprazolam	5.705	48457	2396.8	60.6	93205.0	27115	95.926 ng/ml
alpha-PVP	4.729	635454	14158.0	52.6	4723.1	280389	94.534 ng/ml
Alprazolam	5.779	354034	46595.8	107.2	24846.1	127356	101.447 ng/ml
Amphetamine	3.178	555766	6988.7	50.5	2869.1	106089	104.568 ng/ml
Benzoylcegonine	3.909	16766	324.9	7.2	563.7	5920	96.146 ng/ml
Buprenorphine	6.222	4886	258.8	15.0	2084.9	16532	10.693 ng/ml
Bupropion	5.232	473171	39194.8	62.7	7334.7	188592	102.777 ng/ml
Carisoprodol	5.729	304096	32463.5	63.3	8383.9	156632	100.191 ng/ml
Citalopram	5.296	219808	8038.2	45.8	203747.9	100186	102.533 ng/ml
Clonazepam	5.623	278896	63893.0	34.4	6354.9	51266	101.703 ng/ml
Cocaine	4.485	587611	16083.2	45.3	142259.2	480688	99.931 ng/ml
Codeine	3.516	73440	979.4	105.4	14967.0	38475	108.460 ng/ml
Cyclobenzaprine	5.677	67660	5832.2	9.1	288.8	27526	95.960 ng/ml
Dextromethorphan	5.345	132697	9451.8	74.6	9447.4	64452	100.673 ng/ml
Dextrorphan	4.191	174040	231167.1	215.4	12672.8	199524	101.785 ng/ml
Diazepam	5.950	226295	25294.2	87.5	25978.7	113268	97.818 ng/ml
Dihydrocodeine	3.165	197177	3900.0	64.2	2747.3	114408	103.509 ng/ml
Diphenhydramine	5.387	797104	3218.1	34.2	11822.9	446243	97.501 ng/ml
Doxylamine	4.676	1548633	15282.5	96.4	125343.2	682470	97.300 ng/ml
EDDP	5.308	145822	2129.6	232.5	56049.9	168617	100.507 ng/ml
Fentanyl	5.529	14184	342.9	65.4	18240.2	77430	10.353 ng/ml
Fluoxetine	5.727	39548	2332.6	8.4	14429.8	15978	107.915 ng/ml
Hydrocodone	3.695	297436	54406.5	40.3	38847.5	181841	101.144 ng/ml
Hydromorphone	2.568	245772	34128.2	75.3	46715.4	93710	108.376 ng/ml
Ketamine	4.837	535785	15444.6	38.3	1267.5	265647	101.498 ng/ml
Lamotrigine	4.483	48671	1785.6	89.9	2428.2	265647	102.153 ng/ml
Lorazepam	5.747	172810	9198.5	57.0	409.8	113268	95.157 ng/ml
Meprobamate	4.929	260867	34202.1	29.3	3413.2	118916	101.320 ng/ml
Methadone	5.680	413804	34625.9	47.1	8064.1	209357	96.522 ng/ml
Methamphetamine	3.340	318998	∞	41.1	289.7	120188	102.852 ng/ml
Metoprolol	4.395	115035	8378.4	96.5	407.4	682470	106.092 ng/ml

AM #28 Multi-Drug Quant. Results

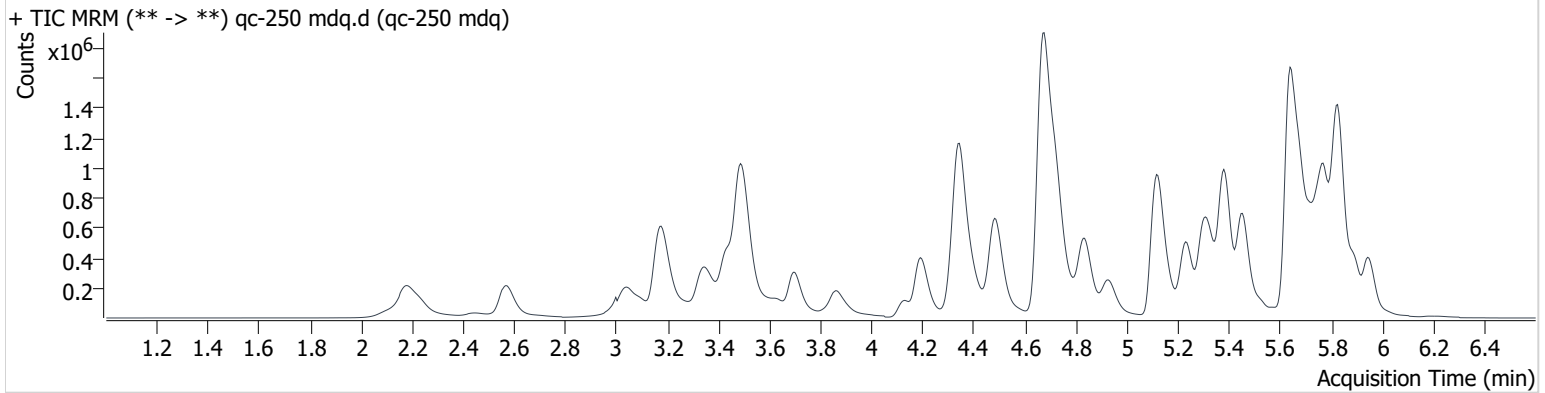
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	5.454	571246	466143.2	44.8	20925.9	209357	92.636 ng/ml
Mitragynine	5.575	35760	137270.2	38.6	17901.6	209357	104.111 ng/ml
Morphine	2.226	45336	24452.7	21.5	2356.8	5909	94.134 ng/ml
Norbuprenorphine	5.083	435	115.4	114.1	1025.9	2894	9.276 ng/ml
Nordiazepam	5.894	202483	26735.4	60.8	143268.2	68193	99.503 ng/ml
Norfentanyl	4.147	10779	1894.3	294.4	464.8	367885	10.178 ng/ml
Norhydrocodone	3.186	7888	157.0	37.9	646.2	40679	95.362 ng/ml
Noroxycodone	3.038	290095	2240.3	38.4	22853.7	109268	105.515 ng/ml
O-desmethyl-tramadol	3.493	1193064	7699.3	6.6	8543.9	645587	101.133 ng/ml
Oxazepam	5.759	307935	5240.2	71.3	2038.5	174496	103.087 ng/ml
Oxycodone	3.428	561479	7251.1	29.7	32905.9	275315	111.677 ng/ml
Oxymorphone	2.173	337852	21798.4	44.7	1746.5	143199	107.752 ng/ml
Phentermine	3.867	155541	573.8	6.1	186.2	186296	100.592 ng/ml
Promethazine	5.645	111370	5942.4	32.3	591.3	53305	100.360 ng/ml
Quetiapine	5.823	258348	401747.1	60.0	274181.2	38418	101.255 ng/ml
Sertraline	5.806	17575	1169.7	102.0	693.4	8336	99.857 ng/ml
Temazepam	5.816	601518	10462.2	29.9	3114.3	300638	103.542 ng/ml
Tramadol	4.344	1380427	604037.5	3.5	1148.8	733725	105.221 ng/ml
Trazodone	5.829	348639	53817.9	77.8	615768.3	152867	103.244 ng/ml
Venlafaxine	5.117	1034085	200769.4	39.2	6801.8	575902	95.588 ng/ml
Zolpidem	5.639	1433129	43750.6	29.4	105934.3	634058	100.725 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 28 reinject 5-5-20\QuantResults\mds2.batch.bin
Calibration Last Update 5/7/2020 12:18:44 PM

Instrument	69679	Data File	qc-250 mdq.d
Type	QC	Sample	qc-250 mdq
Acq. Method	mdq p1 cda 5520.m	Operator	Britany Wylie
Sample Position	P2-C2	Comment	
Injection Volume	2		
Acq. Date-Time	5/7/2020 3:18:36 AM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.602	31634	4478.7	75.1	83446.7	36863	25.062 ng/ml
7-aminoclonazepam	4.317	543654	93458.3	82.6	32882.2	104726	256.318 ng/ml
a-hydroxyalprazolam	5.700	106070	3187.0	58.9	15095.0	22233	256.309 ng/ml
alpha-PVP	4.729	1439016	23047.1	52.8	9021.6	251851	237.929 ng/ml
Alprazolam	5.779	754311	36342.1	108.8	61609.1	109392	252.449 ng/ml
Amphetamine	3.183	1259642	26578.5	51.5	11513.6	105697	244.669 ng/ml
Benzoylcegonine	3.909	39426	13487.7	8.0	330.8	5549	239.740 ng/ml
Buprenorphine	6.222	11449	2022.6	16.2	2748.3	16263	25.346 ng/ml
Bupropion	5.237	1063446	46038.8	63.3	100017.7	173792	251.444 ng/ml
Carisoprodol	5.729	641570	24337.8	61.2	3580.1	130788	254.739 ng/ml
Citalopram	5.296	547779	25646.8	45.4	15015.6	100643	257.359 ng/ml
Clonazepam	5.623	581866	11569.0	35.4	609355.4	43865	248.941 ng/ml
Cocaine	4.485	1348149	201934.7	45.9	210038.2	446544	247.703 ng/ml
Codeine	3.516	163646	1971.0	105.8	117312.7	34737	269.484 ng/ml
Cyclobenzaprine	5.677	113908	324049.5	9.0	1213.5	18110	247.826 ng/ml
Dextromethorphan	5.345	324908	51666.8	74.4	809125.4	62207	256.240 ng/ml
Dextrorphan	4.191	422256	422155.8	215.0	88577.0	191508	257.613 ng/ml
Diazepam	5.950	519522	12517.1	86.1	12021.1	100299	253.747 ng/ml
Dihydrocodeine	3.165	459221	4629.5	63.6	10807.0	109501	253.124 ng/ml
Diphenhydramine	5.387	2004050	54157.2	34.1	44641.7	443210	246.789 ng/ml
Doxylamine	4.676	3748962	93381.9	95.7	748450.3	646784	249.062 ng/ml
EDDP	5.308	392387	8309.6	233.5	158761.6	178083	257.829 ng/ml
Fentanyl	5.529	32709	1682.2	67.5	38165.0	73769	25.281 ng/ml
Fluoxetine	5.727	38860	43647.2	8.2	3273.9	6876	248.490 ng/ml
Hydrocodone	3.695	720376	655.5	38.8	63408.5	172209	261.927 ng/ml
Hydromorphone	2.568	571125	170307.9	73.0	45665.4	93807	253.767 ng/ml
Ketamine	4.837	1218989	37523.9	37.8	4308.9	244282	251.999 ng/ml
Lamotrigine	4.483	109650	4637.6	88.5	3615.8	244282	251.249 ng/ml
Lorazepam	<u>5.747</u>	<u>318291</u>	<u>13003.4</u>	<u>56.2</u>	<u>2183.2</u>	<u>100299</u>	<u>198.796 ng/ml</u> *
Meprobamate	4.934	578083	16353.5	29.1	3753.1	107317	249.358 ng/ml
Methadone	5.680	1026477	80871.2	47.5	10436.9	206283	243.113 ng/ml
Methamphetamine	3.340	577072	∞	41.6	∞	96242	266.389 ng/ml
Metoprolol	4.395	260127	19741.3	98.5	823.5	646784	254.733 ng/ml

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	5.454	1403849	43162.8	45.6	184569.0	206283	231.674 ng/ml
Mitragynine	5.575	85281	191450.6	38.6	83026.9	206283	252.507 ng/ml
Morphine	2.231	105170	1456.3	21.2	14693.7	5691	227.705 ng/ml
Norbuprenorphine	5.083	1182	2528.9	109.7	3427.9	2818	26.389 ng/ml
Nordiazepam	5.894	442141	813781.9	61.3	661737.7	58392	254.342 ng/ml
Norfentanyl	4.147	27025	3779.9	287.5	1677.4	368347	25.531 ng/ml
Norhydrocodone	3.186	18546	690.3	41.4	926.5	34247	265.191 ng/ml
Noroxycodone	3.038	668397	12727.9	44.8	4624.0	101225	264.336 ng/ml
O-desmethyl-tramadol	3.493	2765008	15376.3	6.6	4720.3	599355	252.993 ng/ml
Oxazepam	5.759	607239	8833.3	71.3	3149.4	134621	265.572 ng/ml
Oxycodone	3.428	1308435	142993.4	29.6	42777.8	259679	278.689 ng/ml
Oxymorphone	2.173	801414	40093.0	44.7	68892.8	136487	271.842 ng/ml
Phentermine	3.867	344717	1288.5	6.0	825.7	165806	247.965 ng/ml
Promethazine	5.645	196092	2059.6	32.1	4130.6	36032	263.016 ng/ml
Quetiapine	5.823	643992	660091.8	59.5	106581.1	36377	267.911 ng/ml
Sertraline	5.805	11683	1040.1	103.2	3211.8	2623	215.480 ng/ml
Temazepam	5.821	1262881	4587.8	29.1	2844.4	247148	264.943 ng/ml
Tramadol	4.344	3210645	3041.3	3.5	4256.7	679831	265.426 ng/ml
Trazodone	5.829	851991	8456.7	78.9	1667318.8	151106	256.614 ng/ml
Venlafaxine	5.122	2440501	8495.4	39.4	33067.3	537256	241.416 ng/ml
Zolpidem	5.644	3199848	51640.8	30.0	24593.7	559589	255.442 ng/ml

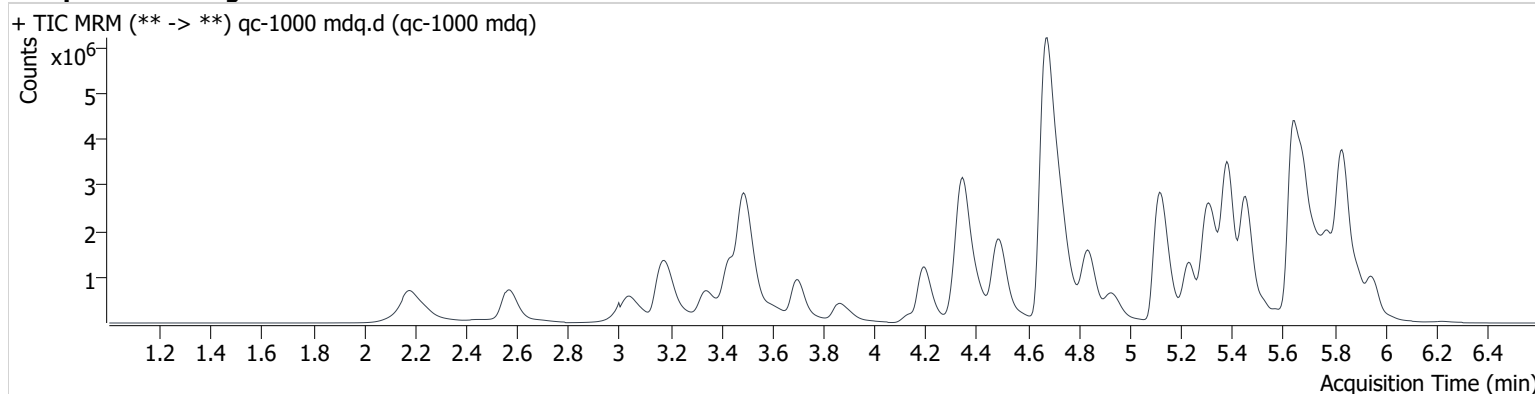
* outside curve range

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 28 reinject 5-5-20\QuantResults\mds2.batch.bin
Calibration Last Update 5/7/2020 12:18:44 PM

Instrument	69679	Data File	qc-1000 mdq.d
Type	QC	Sample	qc-1000 mdq
Acq. Method	mdq p1 cda 5520.m	Operator	Britany Wylie
Sample Position	P2-D2	Comment	
Injection Volume	2		
Acq. Date-Time	5/7/2020 3:29:24 AM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.602	121346	71947.7	74.1	193798.0	33162	107.215 ng/ml
7-aminoclonazepam	4.312	1575161	19774.9	83.3	156106.8	89794	868.512 ng/ml
a-hydroxyalprazolam	5.700	216194	12326.1	62.4	21577.5	12210	951.570 ng/ml
alpha-PVP	4.732	4353977	17193.6	52.3	25084.4	183828	985.440 ng/ml
Alprazolam	5.779	1882668	711946.8	108.3	3443.3	69866	988.125 ng/ml
Amphetamine	<u>3.188</u>	<u>3014659</u>	<u>19590.0</u>	<u>51.6</u>	<u>18403.7</u>	<u>79180</u>	<u>793.342 ng/ml</u> *
Benzoylcegonine	3.909	180062	42177.2	7.8	956.3	5749	1053.534 ng/ml
Buprenorphine	6.222	50779	22763.6	15.9	20926.9	18148	100.461 ng/ml
Bupropion	5.237	2646598	431238.5	62.4	6462.3	108520	1003.778 ng/ml
Carisoprodol	5.729	1468009	105999.3	61.9	9335.8	74430	1027.381 ng/ml
Citalopram	5.296	1999107	21679.2	46.4	135417.1	95209	998.615 ng/ml
Clonazepam	5.613	1197148	80086.1	34.7	146373.8	25913	868.658 ng/ml
Cocaine	4.485	4635496	1528515.1	45.3	843731.3	392766	970.109 ng/ml
Codeine	3.522	463115	19591.4	106.4	2387.2	26898	988.110 ng/ml
Cyclobenzaprine	5.677	517982	2163.8	9.6	194.6	20223	1013.697 ng/ml
Dextromethorphan	5.345	1321956	146723.9	74.7	2200234.3	62658	1036.733 ng/ml
Dextropropoxyphene	4.191	1520738	901220.7	215.9	465398.2	171087	1039.169 ng/ml
Diazepam	5.950	1532604	87927.8	86.4	17489.1	73479	1022.042 ng/ml
Dihydrocodeine	3.165	1562910	36768.7	64.1	4478.2	109285	865.279 ng/ml
Diphenhydramine	5.387	8201781	43929.8	33.6	136763.7	444474	1007.098 ng/ml
Doxylamine	4.676	13669469	112898.2	95.8	5094.7	584740	1005.506 ng/ml
EDDP	5.308	2012838	275386.6	235.3	4245.5	231912	1018.944 ng/ml
Fentanyl	5.529	204205	2358.1	71.0	155689.0	113349	103.198 ng/ml
Fluoxetine	5.727	276949	2186.2	8.5	56975.4	11852	1032.502 ng/ml
Hydrocodone	3.695	2510353	757450.9	39.5	86187.2	169117	934.775 ng/ml
Hydromorphone	2.568	2160612	1229384.9	73.3	718449.1	91744	986.340 ng/ml
Ketamine	4.842	4119855	454965.5	37.8	32000.1	216655	961.971 ng/ml
Lamotrigine	<u>4.483</u>	<u>304293</u>	<u>18549.2</u>	<u>89.5</u>	<u>4633.3</u>	<u>216655</u>	<u>787.604 ng/ml</u> *
Lorazepam	<u>5.747</u>	<u>432108</u>	<u>17705.6</u>	<u>57.2</u>	<u>2397.7</u>	<u>73479</u>	<u>369.074 ng/ml</u> *
Meprobamate	<u>4.934</u>	<u>1692750</u>	<u>449428.6</u>	<u>28.7</u>	<u>8367.0</u>	<u>81825</u>	<u>958.757 ng/ml</u> *
Methadone	5.680	4587725	4962396.4	46.8	53224.3	223021	1005.252 ng/ml
Methamphetamine	3.341	1239030	∞	41.1	∞	58150	1015.674 ng/ml
Metoprolol	4.395	823930	506357.4	96.8	2861.3	584740	895.328 ng/ml

BW

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	5.459	5933245	174088.9	45.9	10667.1	223021	906.879 ng/ml
Mitragynine	5.575	407198	376976.4	39.1	453511.1	223021	1116.428 ng/ml
Morphine	2.236	362726	25309.8	21.0	33308.2	4996	896.560 ng/ml
Norbuprenorphine	5.088	4558	3388.7	101.4	114.3	2753	105.015 ng/ml
Nordiazepam	5.899	1095454	132464.2	61.1	9283.0	36661	1004.812 ng/ml
Norfentanyl	4.147	104097	16285.5	288.0	16833.8	373852	96.980 ng/ml
Norhydrocodone	3.191	77023	423.4	40.8	394.7	25365	1484.144 ng/ml *
Noroxycodone	3.038	2246455	2656.5	44.8	66376.1	92135	979.524 ng/ml
O-desmethyl-tramadol	3.488	9591259	23328.7	6.4	2820.9	514160	1024.078 ng/ml
Oxazepam	5.754	900136	22947.7	71.4	7669.6	54295	979.647 ng/ml
Oxycodone	3.428	4452550	34524.8	29.3	2360.6	249296	992.664 ng/ml
Oxymorphone	2.173	2812458	273241.6	44.4	186912.1	136534	959.853 ng/ml
Phentermine	3.867	1023498	998.1	5.7	1288.3	124447	975.907 ng/ml
Promethazine	5.645	967771	158408.3	31.8	44516.0	47405	989.367 ng/ml
Quetiapine	5.829	2567259	4745770.8	59.1	8812.0	40996	949.804 ng/ml
Sertraline	5.800	91157	17142.5	102.3	343282.3	4457	1004.228 ng/ml
Temazepam	5.811	2201478	226505.9	29.3	4021.8	110805	1031.097 ng/ml
Tramadol	4.349	10728241	894956.8	3.4	2224.6	613397	985.293 ng/ml
Trazodone	5.834	3916627	14094.2	78.9	6581295.3	190938	936.024 ng/ml
Venlafaxine	5.117	8819984	9463.6	38.3	103747.7	462755	1012.099 ng/ml
Zolpidem	5.639	9584146	1062741.1	28.8	150522.9	418869	1023.341 ng/ml

**Idaho State Police
Forensic Services
Toxicology Discipline**

Request for Departure from an Analytical Method

Date of Request

01/13/2020

Forensic Scientist

Celena Shrum

Analytical Methods

Toxicology AM #25, Toxicology AM #26/27, and AM #28

Deviation

The expiration dates listed for the current batch of PinPoint ToxBox extraction plates are as follows:

*MDS (batch IDP-107-190725)- Expiration is 1/25/2020

*THC (batch IDP-108-190716)- Expiration is 1/16/2020

*MDQ P1 (batch IDP-111-190729)- Expiration is 1/29/2020

*MDQ P2 (batch IDP-112-190730)- Expiration is 1/30/2020

I am issuing a deviation to allow for the use of the remaining plates of these batches. The controls will be used to evaluate if the plate is working as intended. In addition, at least one external control must be included for each run.

Celena Shrum

Date: 01/13/2020

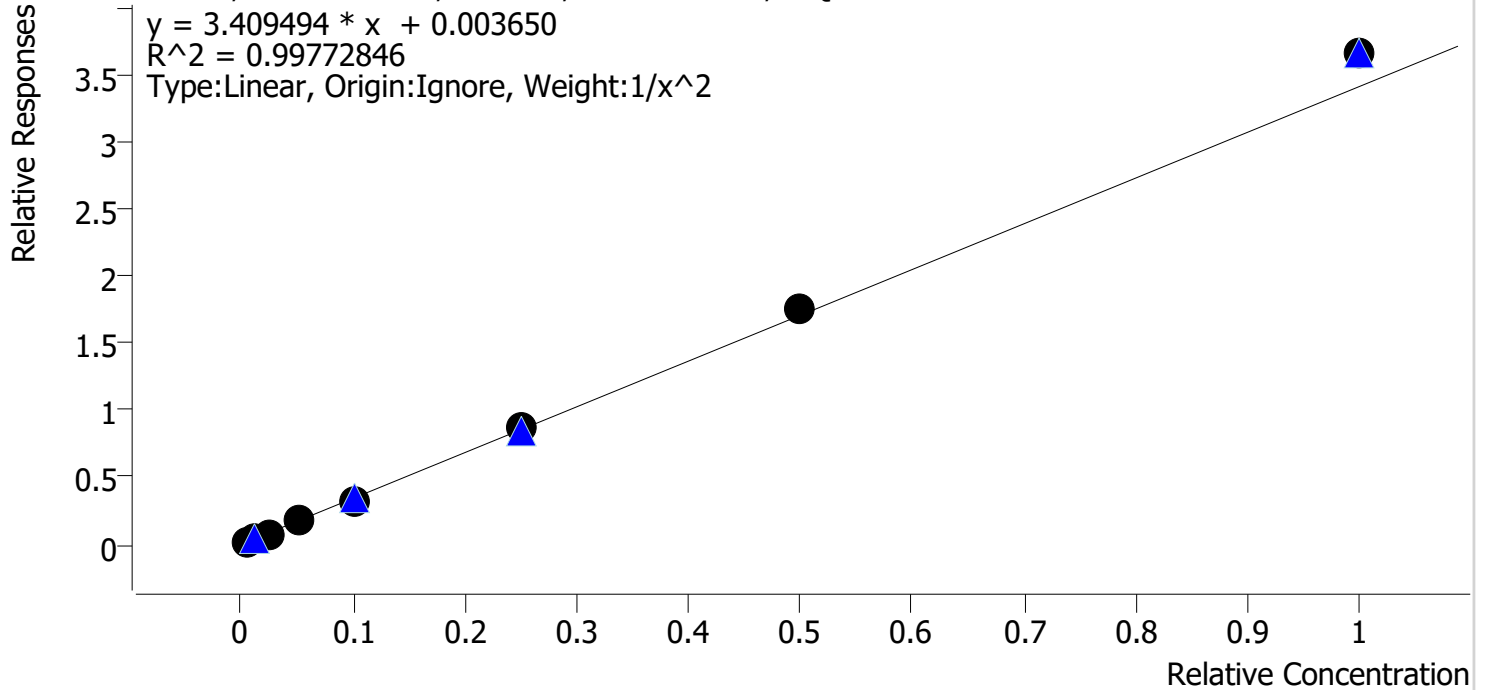
Celena Shrum

Toxicology Discipline Lead

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 28 reinject 5-5-20\QuantResults\mds2.batch.bin
Last Cal. Update 5/7/2020 12:18 PM
Analyst Name ISP\datastor
Analyte 6-MAM *BW*
Internal Standard 6-MAM-D6

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



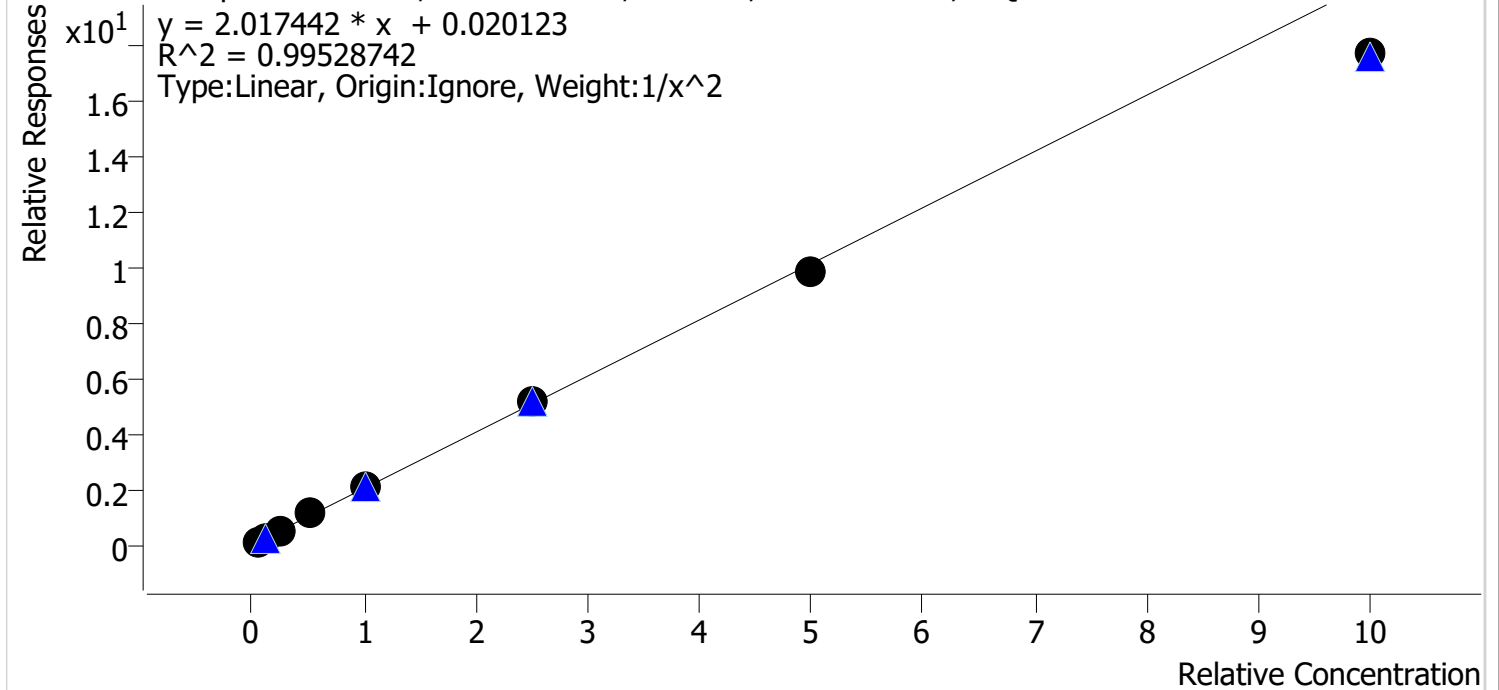
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	102.1
cal 2 mdq	2	✓	1.0	1.0	98.6
cal 3 mdq	3	✓	2.5	2.4	94.3
cal 4 mdq	4	✓	5.0	4.9	98.9
cal 5 mdq	5	✓	10.0	9.6	95.5
cal 6 mdq	6	✓	25.0	25.2	100.8
cal 7 mdq	7	✓	50.0	51.3	102.7
cal 8 mdq	8	✓	100.0	107.2	107.2

Compound Calibration Report

Batch results	D:\MassHunter\Data\2020 Data\am 28 reinject 5-5-20\QuantResults\mds2.batch.bin		
Last Cal. Update	5/7/2020 12:18 PM		
Analyst Name	ISP\datastor		
Analyte	7-aminoclonazepam	Internal Standard	7-Aminoclonazepam-D4

BW

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

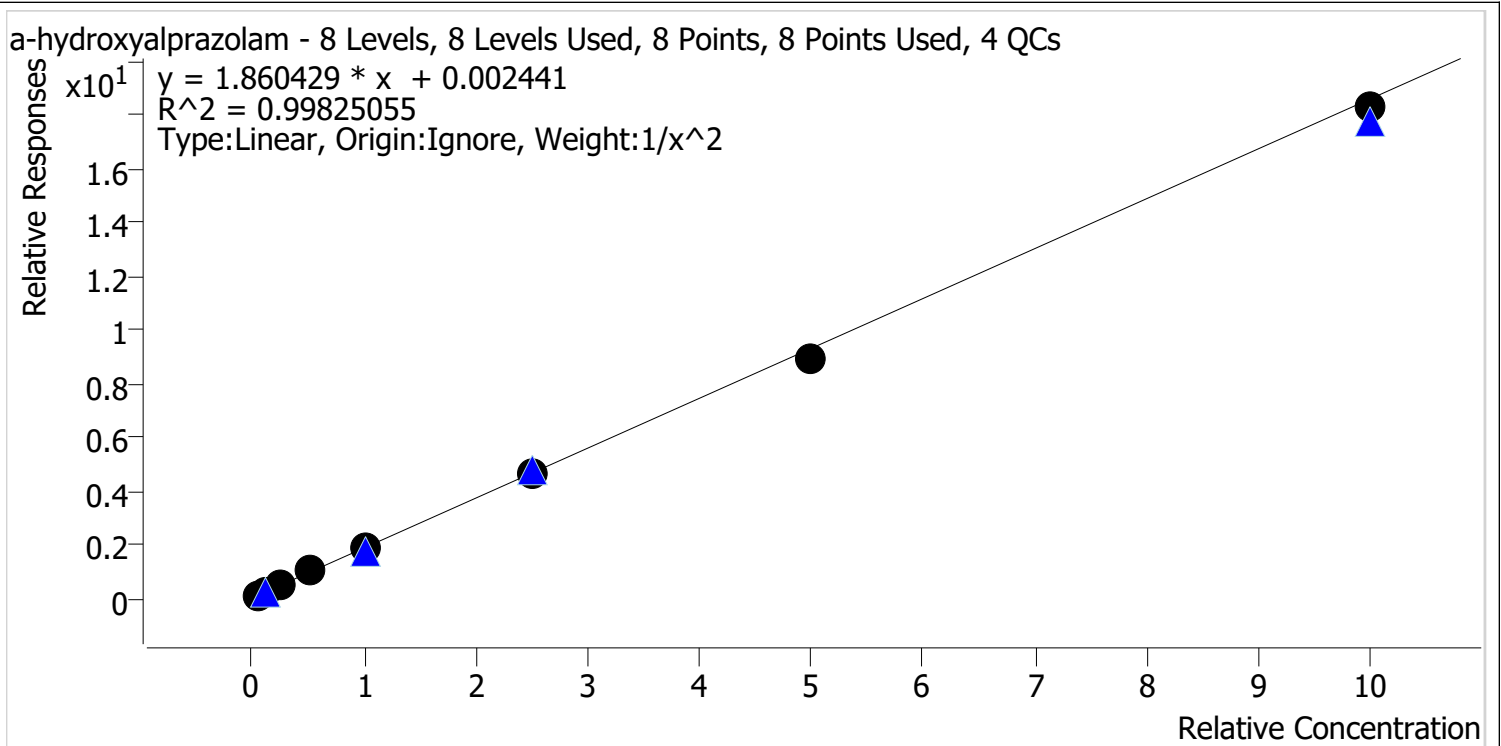


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.2
cal 2 mdq	2	✓	10.0	9.9	98.6
cal 3 mdq	3	✓	25.0	25.8	103.0
cal 4 mdq	4	✓	50.0	53.5	107.1
cal 5 mdq	5	✓	100.0	104.3	104.3
cal 6 mdq	6	✓	250.0	256.6	102.6
cal 7 mdq	7	✓	500.0	489.0	97.8
cal 8 mdq	8	✓	1000.0	874.2	87.4

Compound Calibration Report

Batch results	D:\MassHunter\Data\2020 Data\am 28 reinject 5-5-20\QuantResults\mds2.batch.bin		
Last Cal. Update	5/7/2020 12:18 PM		
Analyst Name	ISP\datastor		
Analyte	a-hydroxyalprazolam	Internal Standard	a-hydroxyalprazolam-D5

BW



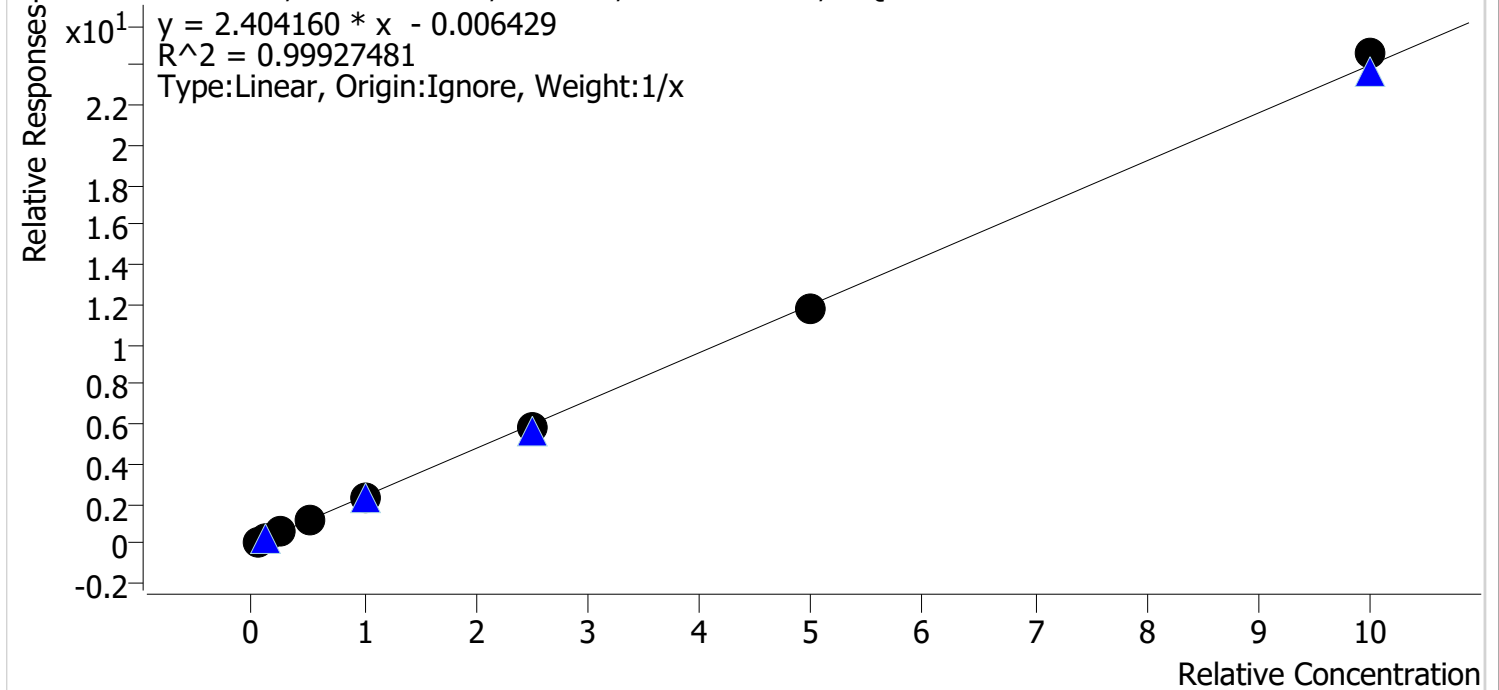
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.8
cal 2 mdq	2	✓	10.0	10.5	104.7
cal 3 mdq	3	✓	25.0	25.8	103.0
cal 4 mdq	4	✓	50.0	52.3	104.6
cal 5 mdq	5	✓	100.0	98.0	98.0
cal 6 mdq	6	✓	250.0	248.5	99.4
cal 7 mdq	7	✓	500.0	476.2	95.2
cal 8 mdq	8	✓	1000.0	983.3	98.3

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 28 reinject 5-5-20\QuantResults\mds2.batch.bin
Last Cal. Update 5/7/2020 12:18 PM
Analyst Name ISP\datastor
Analyte alpha-PVP *BW*

Internal Standard alpha-PVP-d8

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



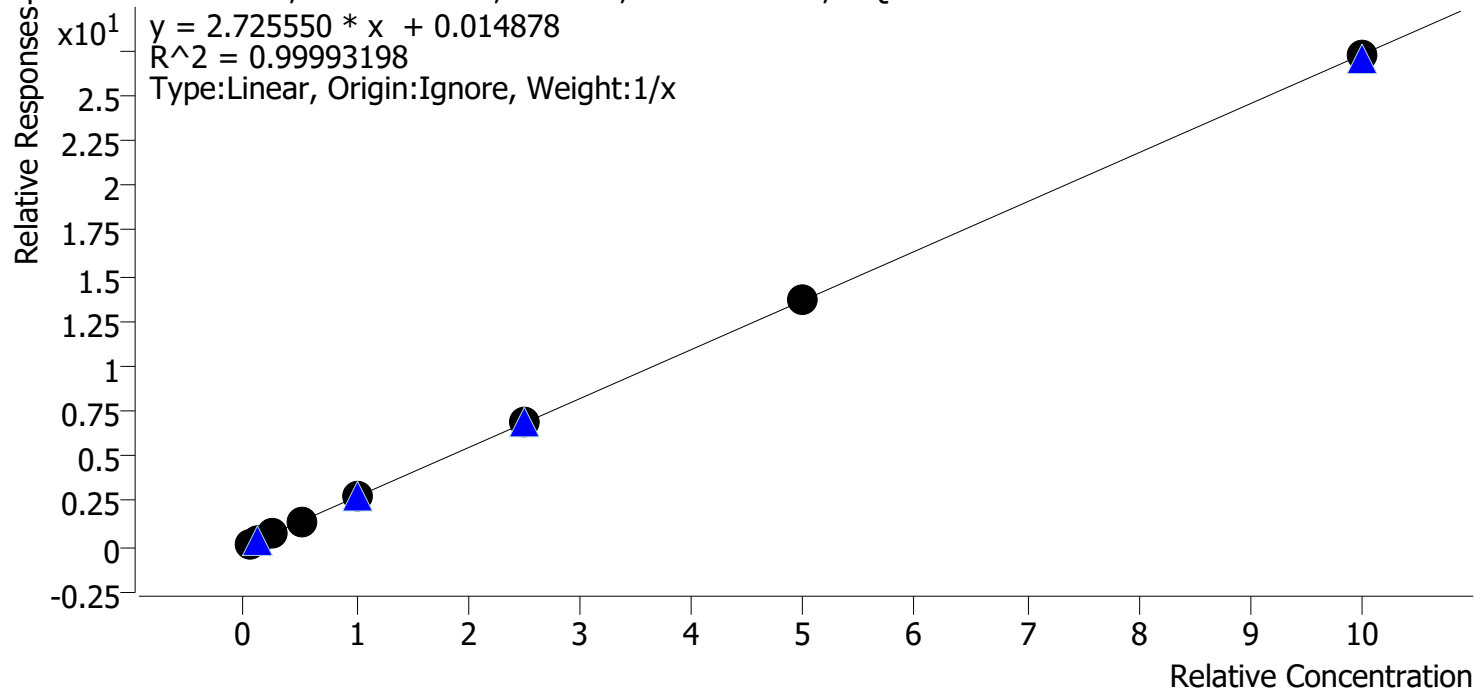
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.4	107.7
cal 2 mdq	2	✓	10.0	10.3	102.8
cal 3 mdq	3	✓	25.0	24.4	97.8
cal 4 mdq	4	✓	50.0	49.0	98.1
cal 5 mdq	5	✓	100.0	96.7	96.7
cal 6 mdq	6	✓	250.0	242.4	97.0
cal 7 mdq	7	✓	500.0	487.8	97.6
cal 8 mdq	8	✓	1000.0	1024.0	102.4

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\lam 28 reinject 5-5-20\QuantResults\mds2.batch.bin
Last Cal. Update 5/7/2020 12:18 PM
Analyst Name ISP\datastor
Analyte Alprazolam *BW*

Internal Standard Alprazolam-D5

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



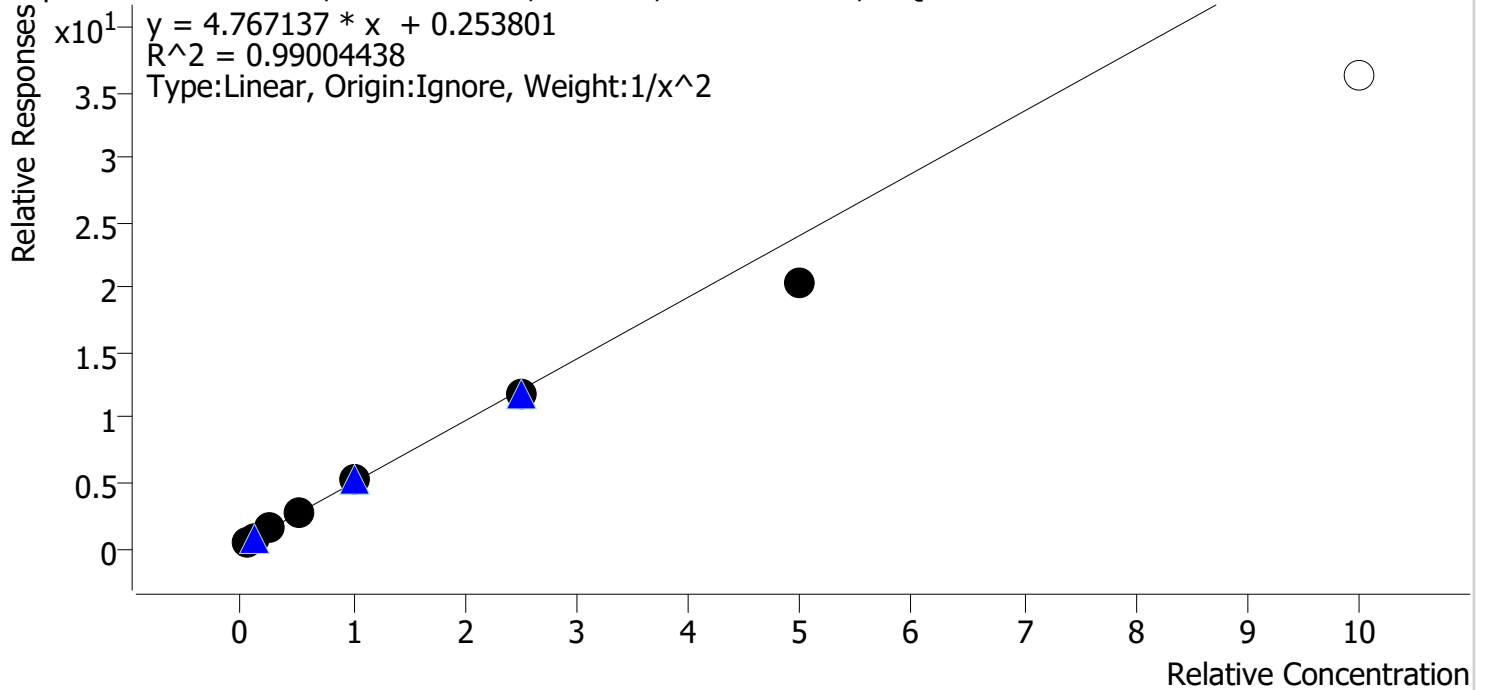
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.5
cal 2 mdq	2	✓	10.0	10.0	100.0
cal 3 mdq	3	✓	25.0	25.5	101.9
cal 4 mdq	4	✓	50.0	49.0	98.0
cal 5 mdq	5	✓	100.0	99.1	99.1
cal 6 mdq	6	✓	250.0	254.4	101.8
cal 7 mdq	7	✓	500.0	499.2	99.8
cal 8 mdq	8	✓	1000.0	997.8	99.8

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 28 reinject 5-5-20\QuantResults\mds2.batch.bin
Last Cal. Update 5/7/2020 12:18 PM
Analyst Name ISP\datastor
Analyte Amphetamine *BW*

Internal Standard Amphetamine-D11

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



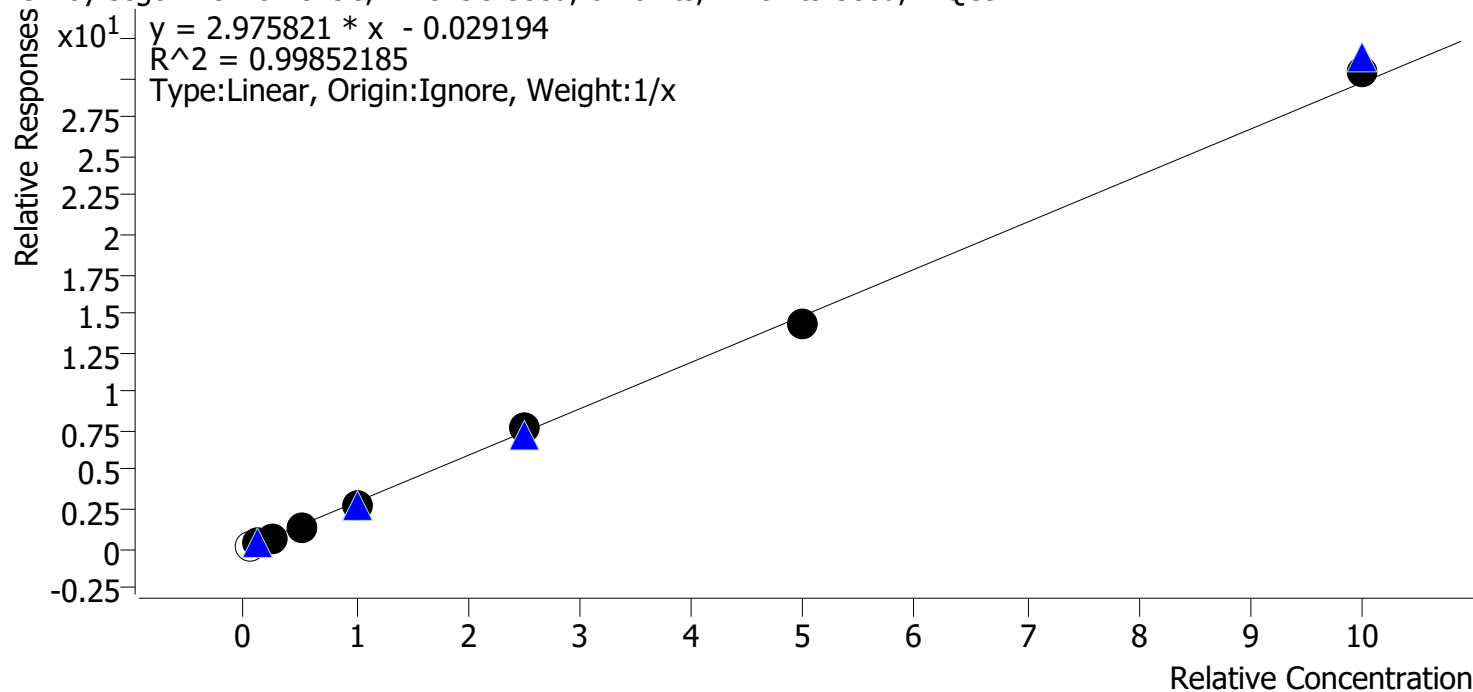
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	95.2
cal 2 mdq	2	✓	10.0	10.5	105.1
cal 3 mdq	3	✓	25.0	27.1	108.2
cal 4 mdq	4	✓	50.0	53.6	107.2
cal 5 mdq	5	✓	100.0	102.7	102.7
cal 6 mdq	6	✓	250.0	243.5	97.4
cal 7 mdq	7	✓	500.0	421.2	84.2
cal 8 mdq	8	✗	1000.0	758.6	75.9

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 28 reinject 5-5-20\QuantResults\mds2.batch.bin
Last Cal. Update 5/7/2020 12:18 PM
Analyst Name ISP\datastor
Analyte Benzoylecgonine **Internal Standard** Benzoylecgonine-d8

BW

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



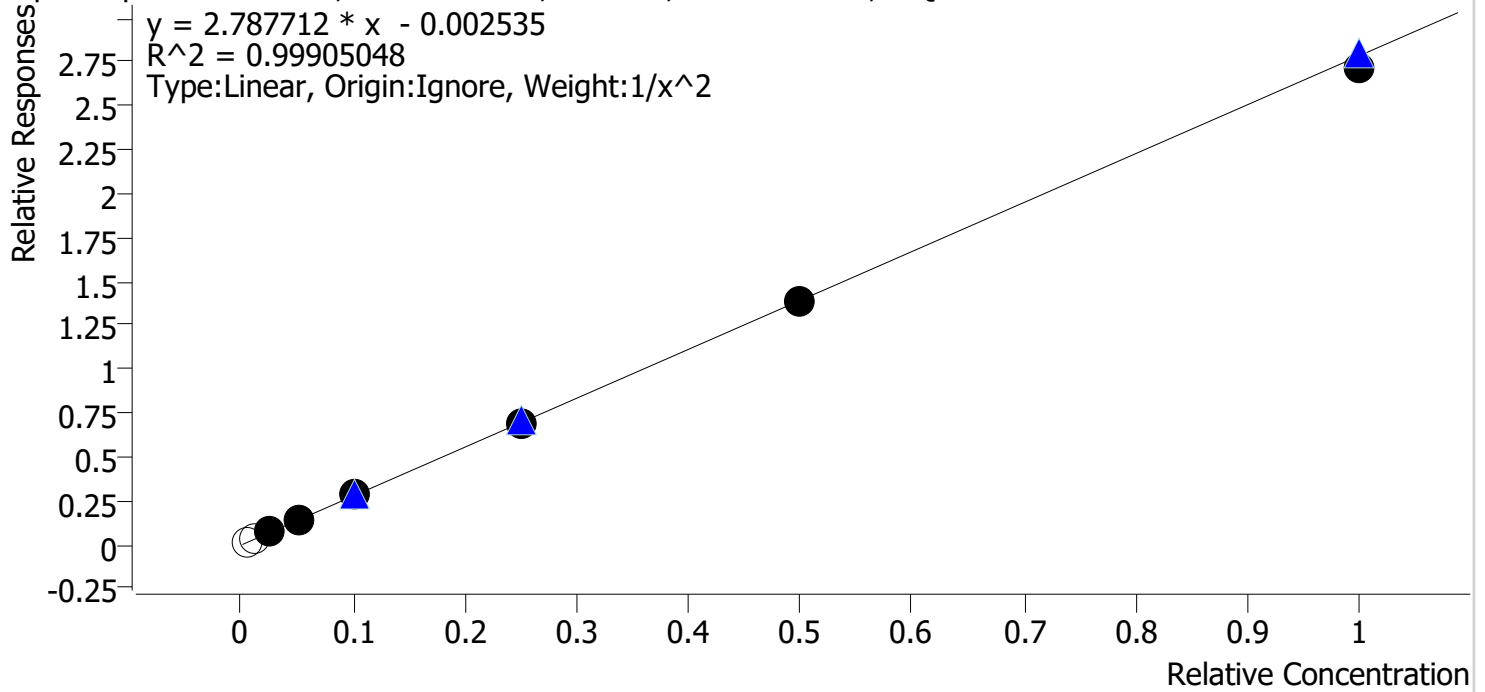
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	x	5.0	6.3	126.6
cal 2 mdq	2	✓	10.0	11.8	117.6
cal 3 mdq	3	✓	25.0	23.4	93.6
cal 4 mdq	4	✓	50.0	46.3	92.5
cal 5 mdq	5	✓	100.0	95.0	95.0
cal 6 mdq	6	✓	250.0	258.2	103.3
cal 7 mdq	7	✓	500.0	479.7	95.9
cal 8 mdq	8	✓	1000.0	1020.7	102.1

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 28 reinject 5-5-20\QuantResults\mds2.batch.bin
Last Cal. Update 5/7/2020 12:18 PM
Analyst Name ISP\datastor
Analyte Buprenorphine *BW*

Internal Standard Buprenorphine-D4

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



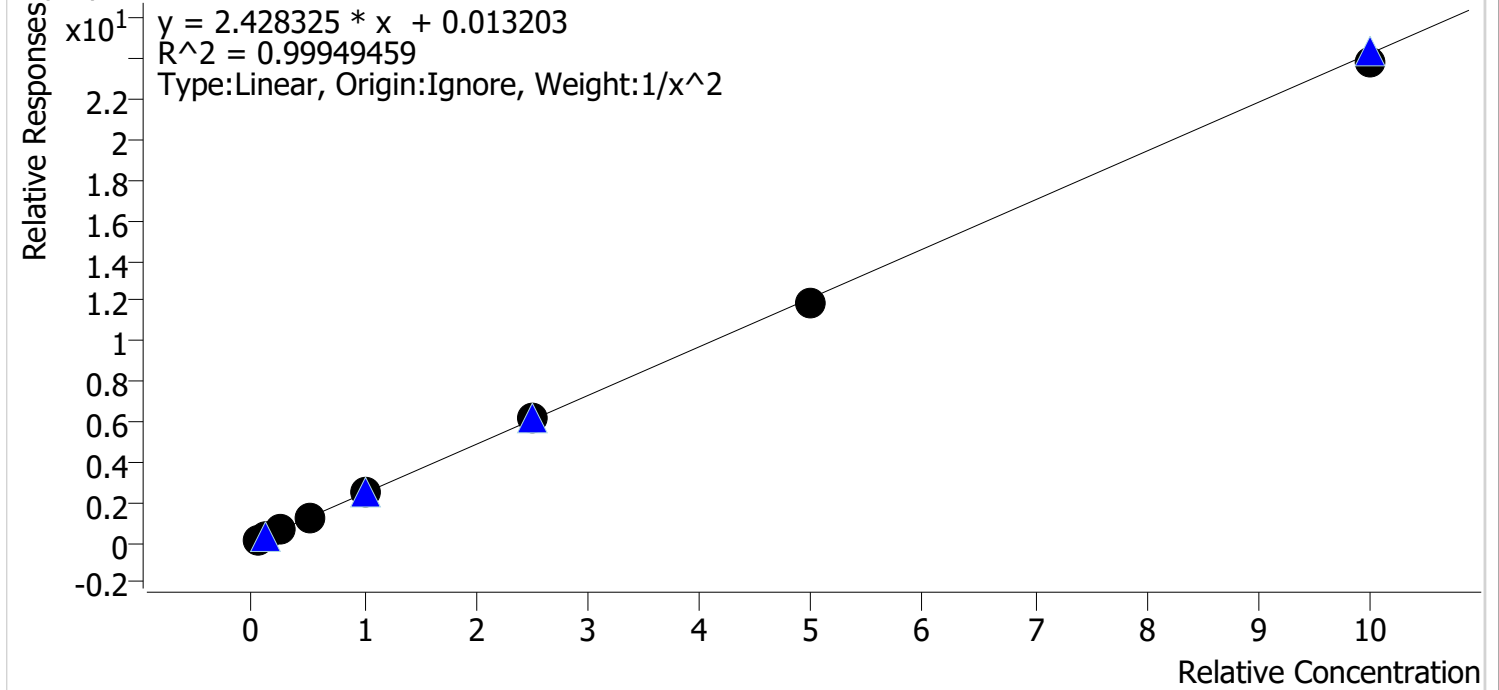
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	x	0.5	0.7	132.3
cal 2 mdq	2	x	1.0	1.1	111.4
cal 3 mdq	3	✓	2.5	2.4	97.7
cal 4 mdq	4	✓	5.0	5.2	104.3
cal 5 mdq	5	✓	10.0	10.1	101.3
cal 6 mdq	6	✓	25.0	24.8	99.0
cal 7 mdq	7	✓	50.0	49.9	99.8
cal 8 mdq	8	✓	100.0	97.9	97.9

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 28 reinject 5-5-20\QuantResults\mds2.batch.bin
Last Cal. Update 5/7/2020 12:18 PM
Analyst Name ISP\datastor
Analyte Bupropion *BW*

Internal Standard Bupropion-D9

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



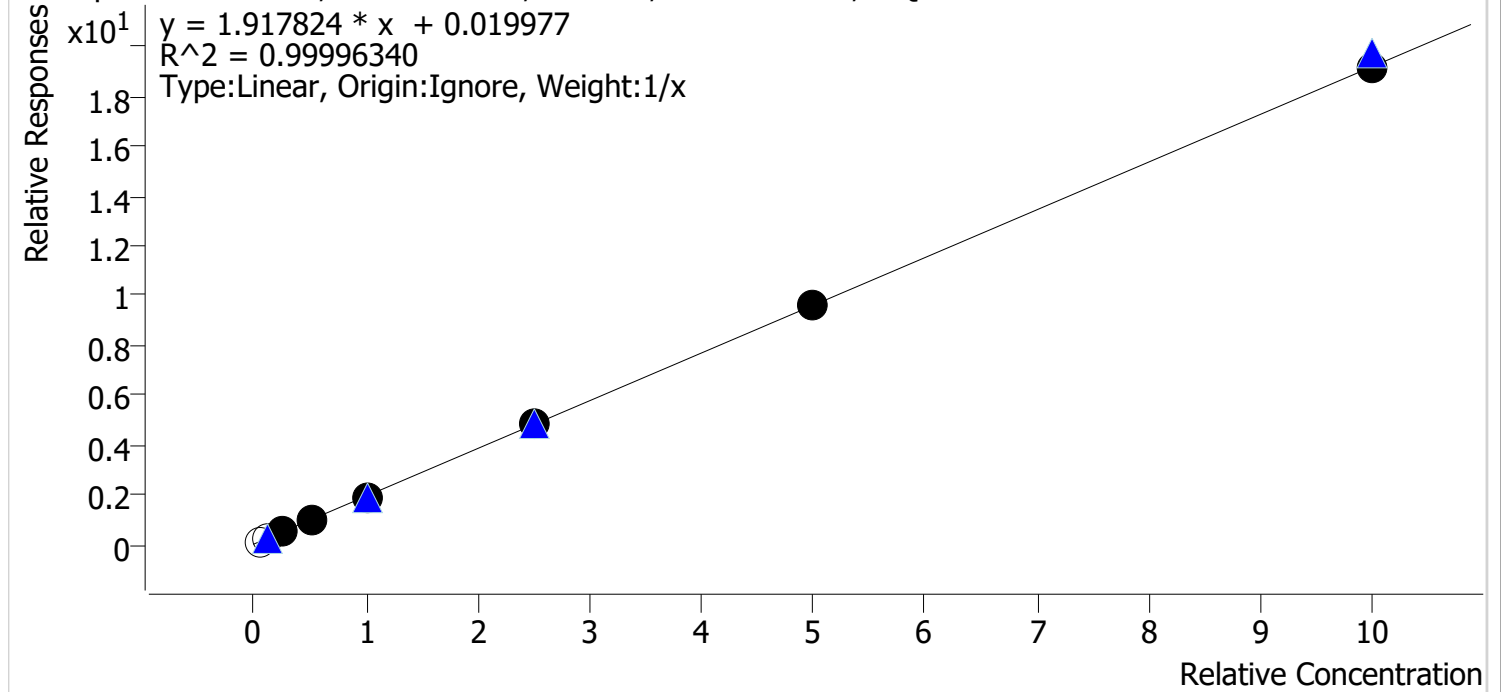
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.8
cal 2 mdq	2	✓	10.0	9.7	97.3
cal 3 mdq	3	✓	25.0	25.2	101.0
cal 4 mdq	4	✓	50.0	51.6	103.2
cal 5 mdq	5	✓	100.0	101.0	101.0
cal 6 mdq	6	✓	250.0	250.8	100.3
cal 7 mdq	7	✓	500.0	489.6	97.9
cal 8 mdq	8	✓	1000.0	985.0	98.5

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 28 reinject 5-5-20\QuantResults\mds2.batch.bin
Last Cal. Update 5/7/2020 12:18 PM
Analyst Name ISP\datastor
Analyte Carisoprodol *BW*

Internal Standard Carisoprodol-D7

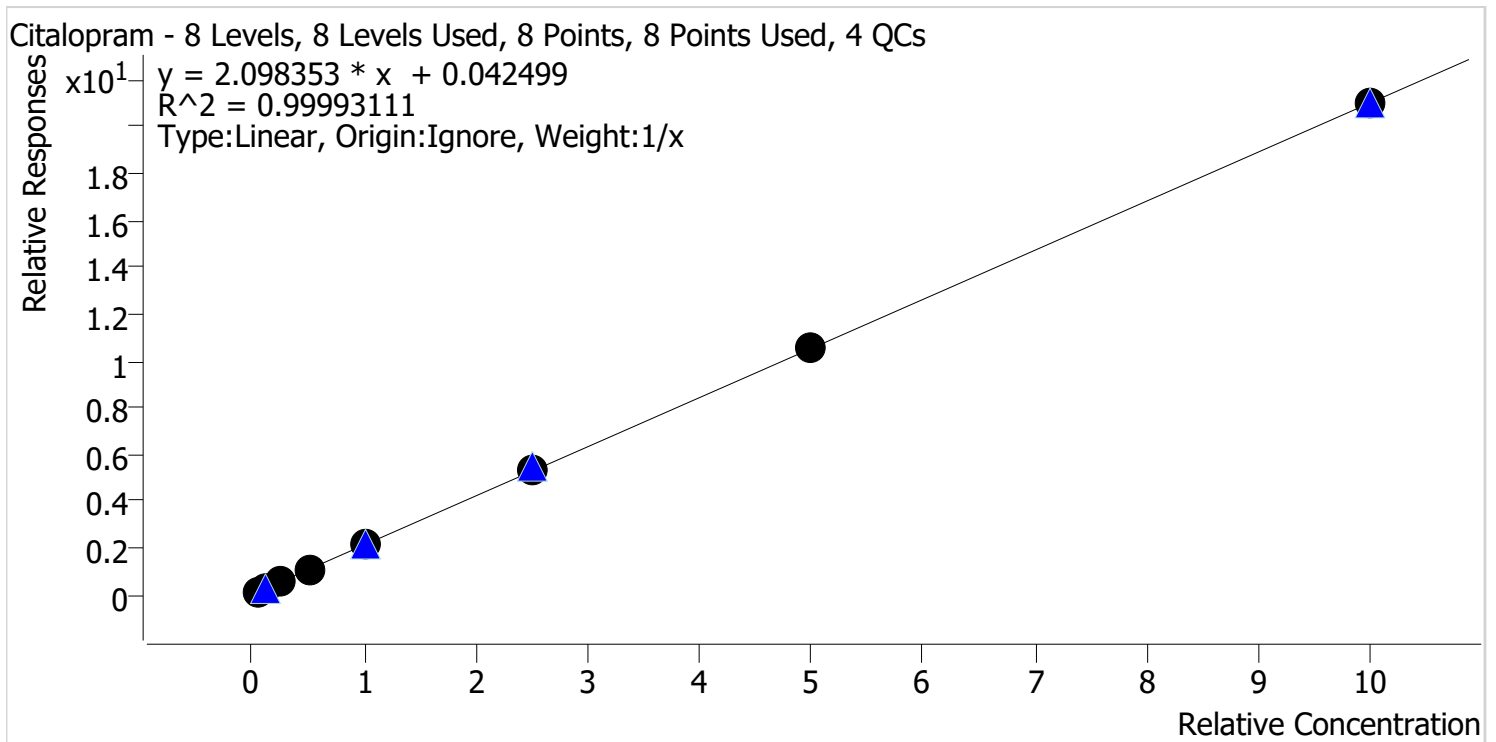
Carisoprodol - 8 Levels, 6 Levels Used, 8 Points, 6 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	x	5.0	4.4	88.7
cal 2 mdq	2	x	10.0	9.6	95.8
cal 3 mdq	3	✓	25.0	24.7	98.9
cal 4 mdq	4	✓	50.0	50.9	101.9
cal 5 mdq	5	✓	100.0	98.6	98.6
cal 6 mdq	6	✓	250.0	251.1	100.5
cal 7 mdq	7	✓	500.0	501.5	100.3
cal 8 mdq	8	✓	1000.0	998.0	99.8

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 28 reinject 5-5-20\QuantResults\mids2.batch.bin
Last Cal. Update 5/7/2020 12:18 PM
Analyst Name ISP\datastor
Analyte Citalopram BW
Internal Standard **Citalopram-D6**



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.8
cal 2 mdq	2	✓	10.0	9.7	97.0
cal 3 mdq	3	✓	25.0	26.0	103.9
cal 4 mdq	4	✓	50.0	51.2	102.5
cal 5 mdq	5	✓	100.0	99.3	99.3
cal 6 mdq	6	✓	250.0	252.4	100.9
cal 7 mdq	7	✓	500.0	500.0	100.0
cal 8 mdq	8	✓	1000.0	996.7	99.7

Compound Calibration Report

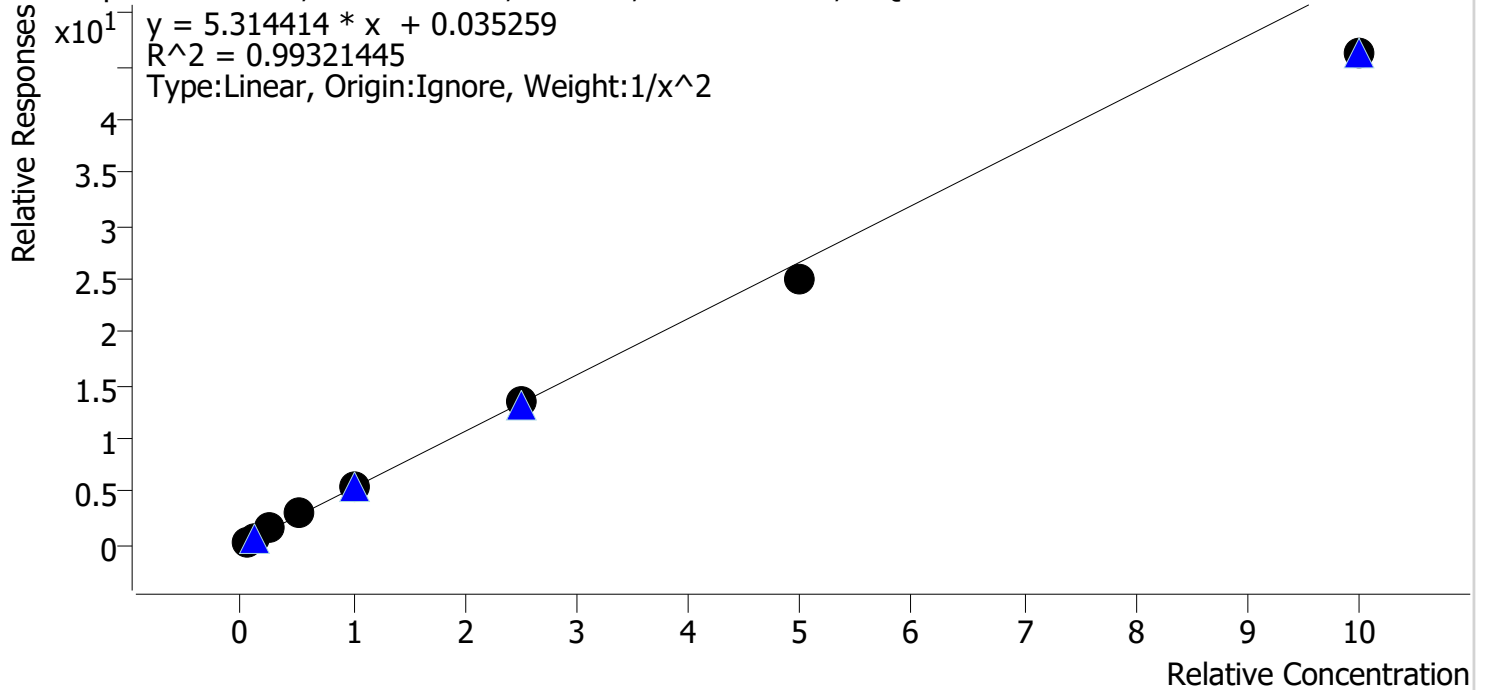
Batch results D:\MassHunter\Data\2020 Data\am 28 reinject 5-5-20\QuantResults\mids2.batch.bin
Last Cal. Update 5/7/2020 12:18 PM
Analyst Name ISP\datastor
Analyte Clonazepam

BW

Internal Standard

Clonazepam-D4

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

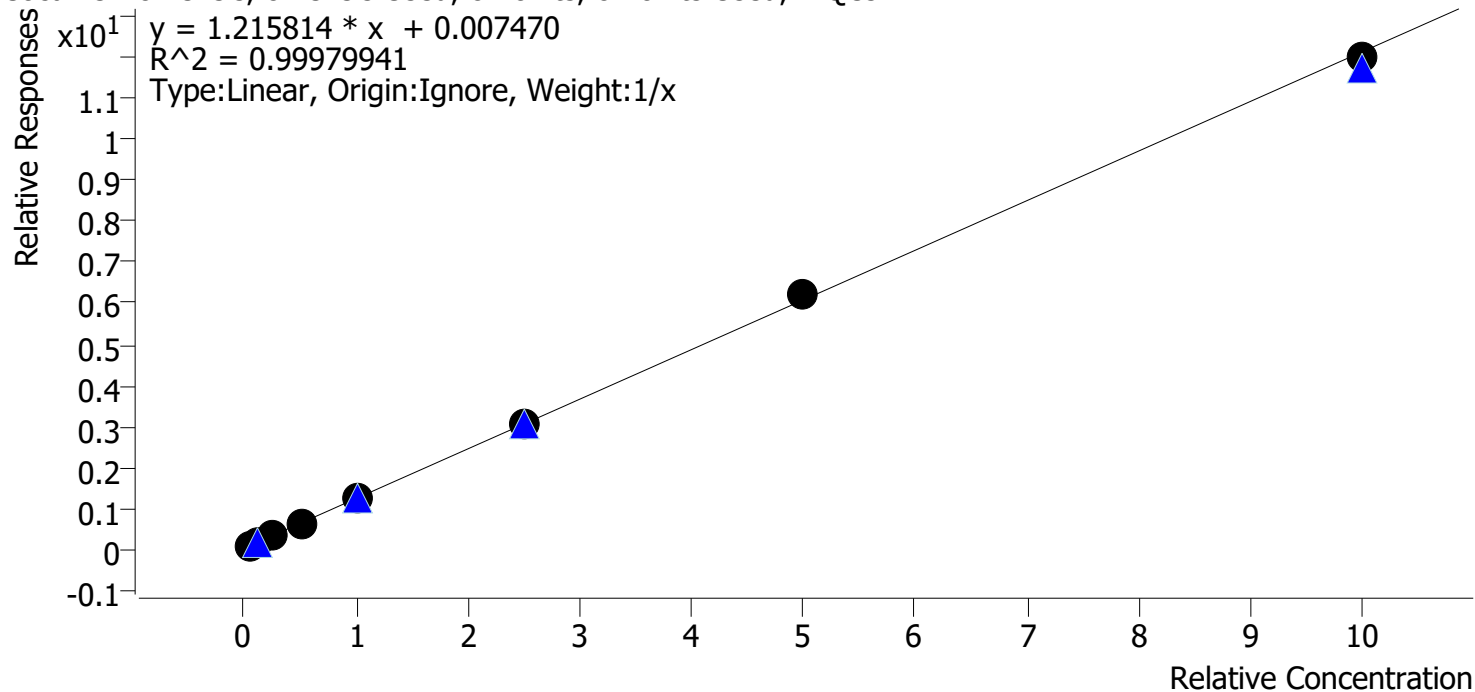


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	95.9
cal 2 mdq	2	✓	10.0	10.4	103.8
cal 3 mdq	3	✓	25.0	26.8	107.2
cal 4 mdq	4	✓	50.0	53.0	106.0
cal 5 mdq	5	✓	100.0	105.3	105.3
cal 6 mdq	6	✓	250.0	252.5	101.0
cal 7 mdq	7	✓	500.0	470.0	94.0
cal 8 mdq	8	✓	1000.0	867.5	86.8

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 28 reinject 5-5-20\QuantResults\mds2.batch.bin
Last Cal. Update 5/7/2020 12:18 PM
Analyst Name ISP\datastor
Analyte Cocaine BW
Internal Standard Cocaine-d3

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



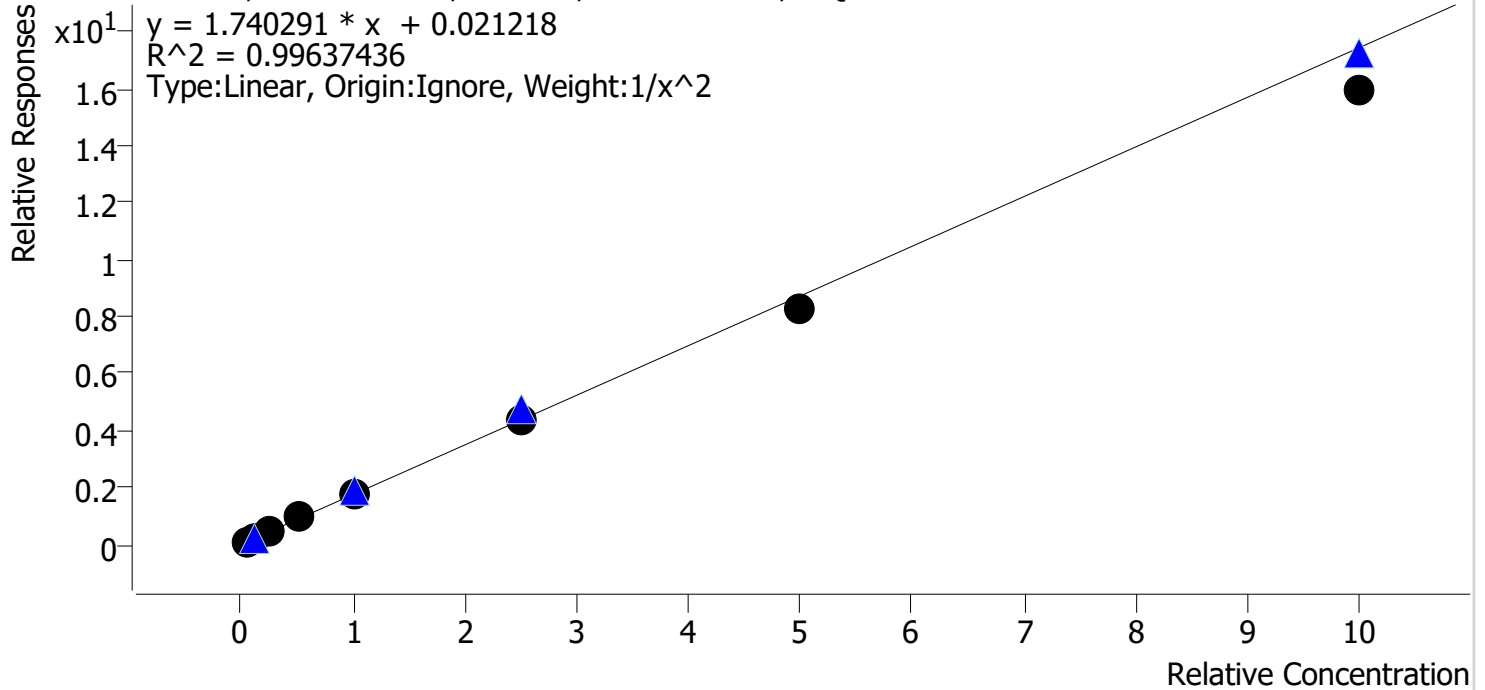
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	95.7
cal 2 mdq	2	✓	10.0	9.8	97.8
cal 3 mdq	3	✓	25.0	25.5	102.1
cal 4 mdq	4	✓	50.0	51.5	103.1
cal 5 mdq	5	✓	100.0	100.3	100.3
cal 6 mdq	6	✓	250.0	251.5	100.6
cal 7 mdq	7	✓	500.0	508.2	101.6
cal 8 mdq	8	✓	1000.0	988.3	98.8

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 28 reinject 5-5-20\QuantResults\mdu2.batch.bin
Last Cal. Update 5/7/2020 12:18 PM
Analyst Name ISP\datastor
Analyte Codeine *BW*

Internal Standard Codeine-D6

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



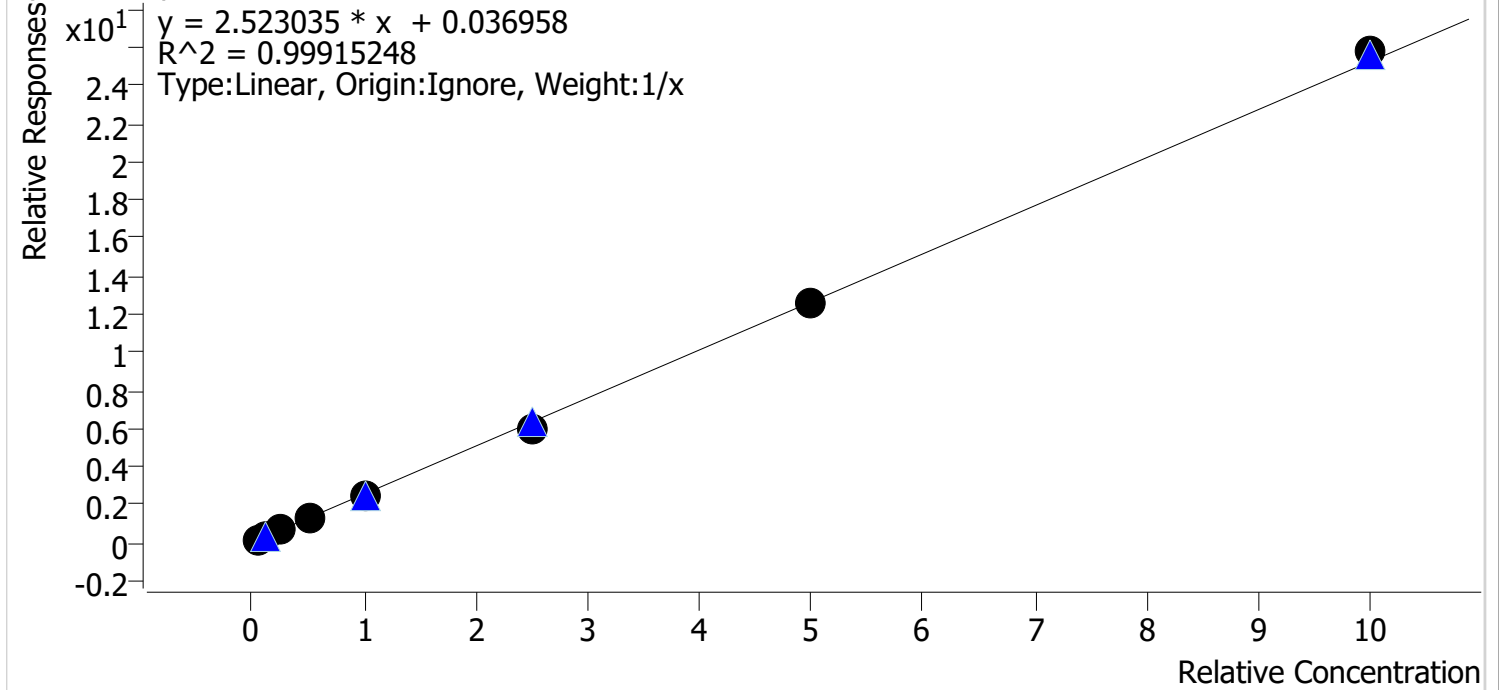
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.9
cal 2 mdq	2	✓	10.0	9.9	98.6
cal 3 mdq	3	✓	25.0	26.3	105.2
cal 4 mdq	4	✓	50.0	53.8	107.6
cal 5 mdq	5	✓	100.0	101.9	101.9
cal 6 mdq	6	✓	250.0	253.7	101.5
cal 7 mdq	7	✓	500.0	472.2	94.4
cal 8 mdq	8	✓	1000.0	918.4	91.8

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 28 reinject 5-5-20\QuantResults\mds2.batch.bin
Last Cal. Update 5/7/2020 12:18 PM
Analyst Name ISP\datastor
Analyte Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

BW

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



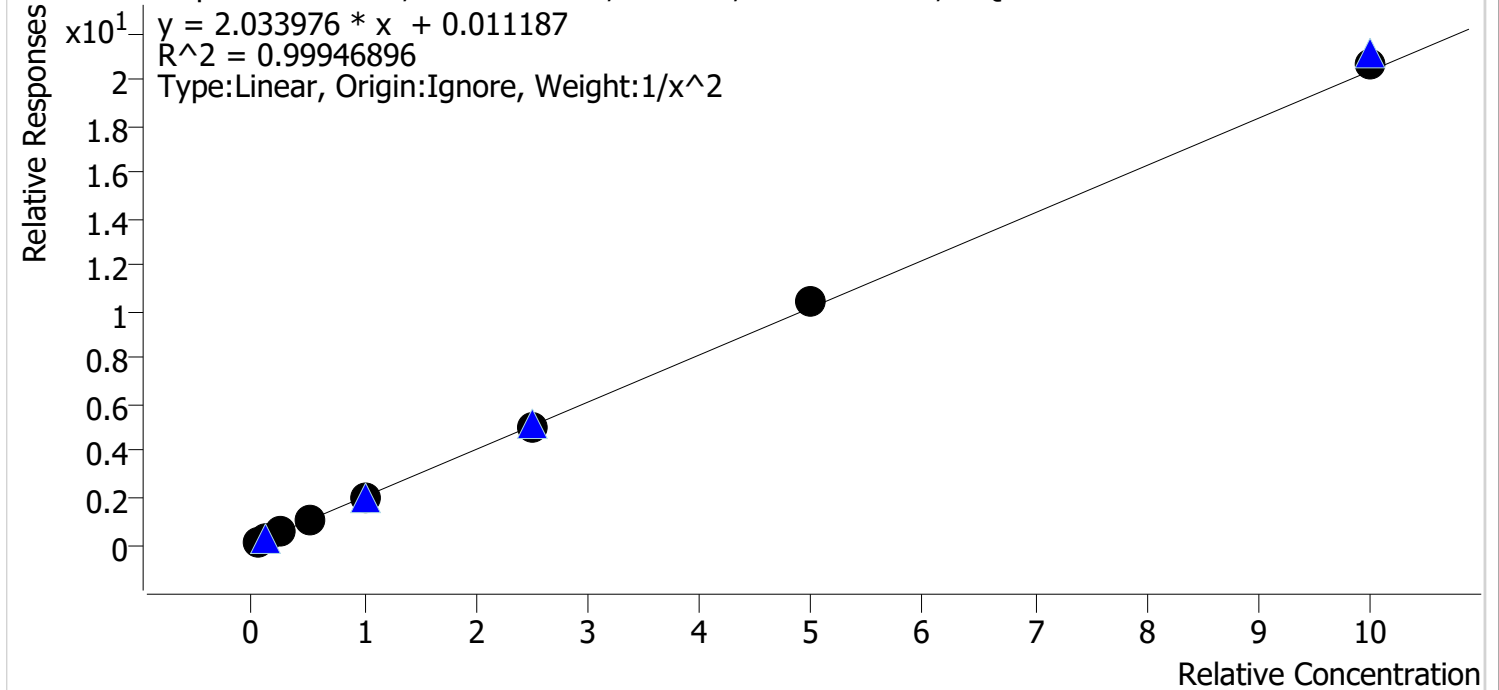
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.1
cal 2 mdq	2	✓	10.0	11.1	111.0
cal 3 mdq	3	✓	25.0	24.4	97.4
cal 4 mdq	4	✓	50.0	49.8	99.7
cal 5 mdq	5	✓	100.0	95.8	95.8
cal 6 mdq	6	✓	250.0	236.4	94.6
cal 7 mdq	7	✓	500.0	496.8	99.4
cal 8 mdq	8	✓	1000.0	1020.7	102.1

Compound Calibration Report

Batch results	D:\MassHunter\Data\2020 Data\am 28 reinject 5-5-20\QuantResults\mds2.batch.bin		
Last Cal. Update	5/7/2020 12:18 PM		
Analyst Name	ISP\datastor		
Analyte	Dextromethorphan	Internal Standard	Dextromethorphan-D3

BW

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

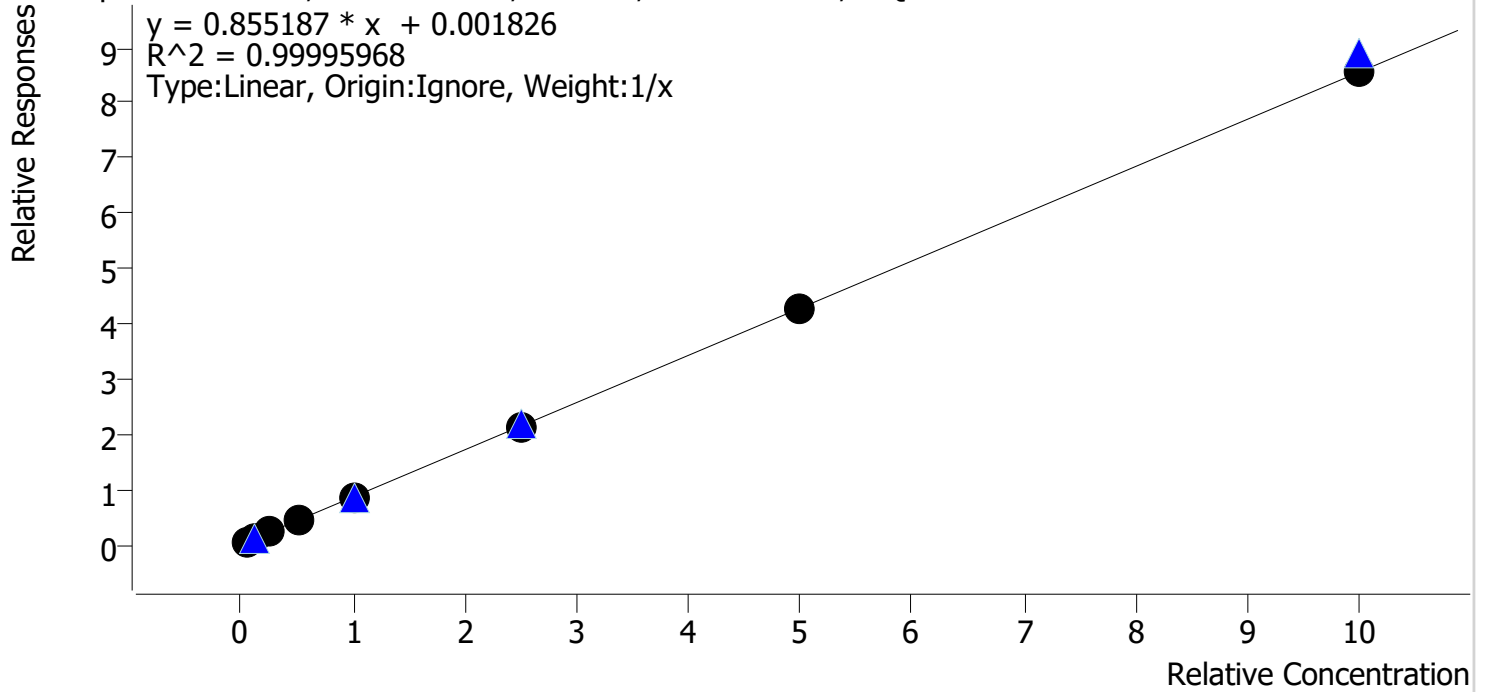


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.5
cal 2 mdq	2	✓	10.0	9.7	97.3
cal 3 mdq	3	✓	25.0	25.1	100.3
cal 4 mdq	4	✓	50.0	48.6	97.2
cal 5 mdq	5	✓	100.0	100.3	100.3
cal 6 mdq	6	✓	250.0	247.7	99.1
cal 7 mdq	7	✓	500.0	513.1	102.6
cal 8 mdq	8	✓	1000.0	1016.9	101.7

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 28 reinject 5-5-20\QuantResults\mds2.batch.bin
Last Cal. Update 5/7/2020 12:18 PM
Analyst Name ISP\datastor
Analyte Dextrorphan *BW*
Internal Standard **Dextrorphan-D3**

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

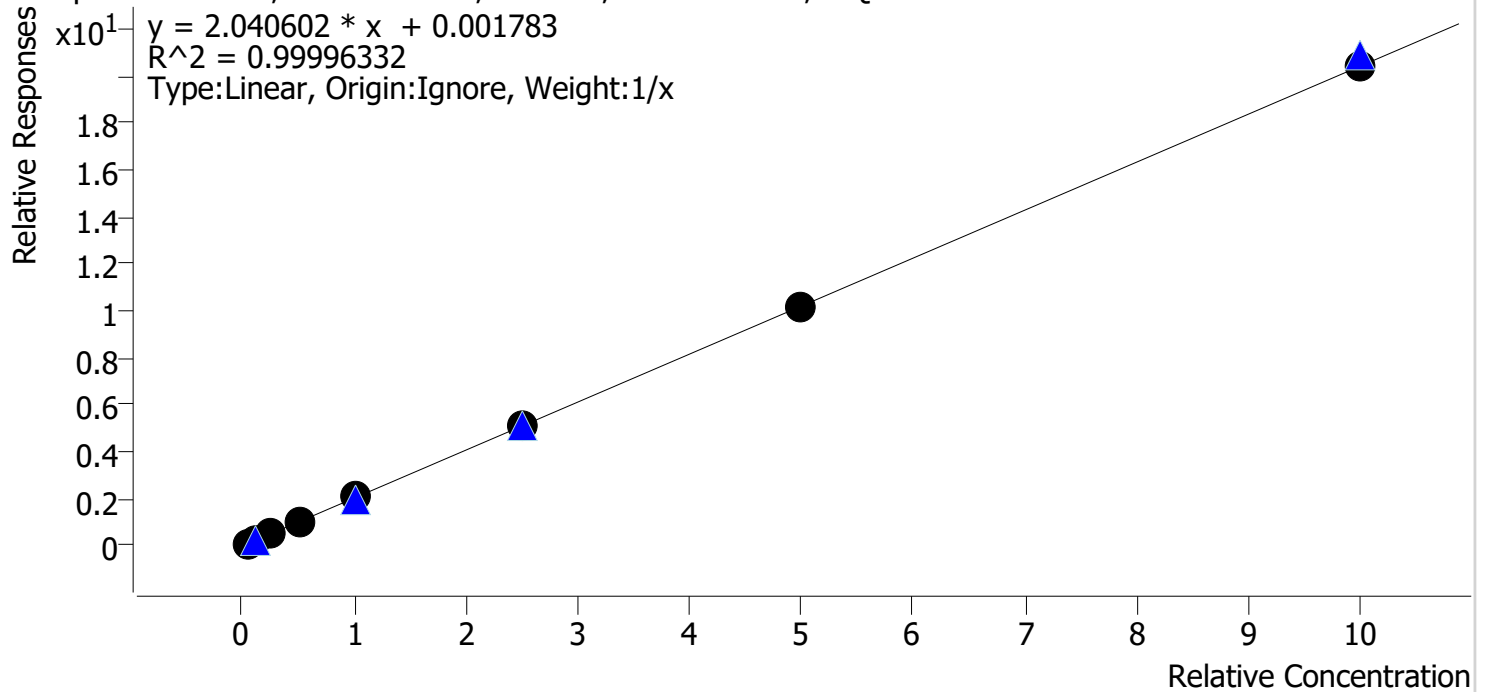


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.0
cal 2 mdq	2	✓	10.0	9.9	98.7
cal 3 mdq	3	✓	25.0	25.1	100.5
cal 4 mdq	4	✓	50.0	50.5	101.0
cal 5 mdq	5	✓	100.0	97.6	97.6
cal 6 mdq	6	✓	250.0	249.7	99.9
cal 7 mdq	7	✓	500.0	501.2	100.2
cal 8 mdq	8	✓	1000.0	1001.0	100.1

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 28 reinject 5-5-20\QuantResults\mds2.batch.bin
Last Cal. Update 5/7/2020 12:18 PM
Analyst Name ISP\datastor
Analyte Diazepam *BW*
Internal Standard Diazepam-D5

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



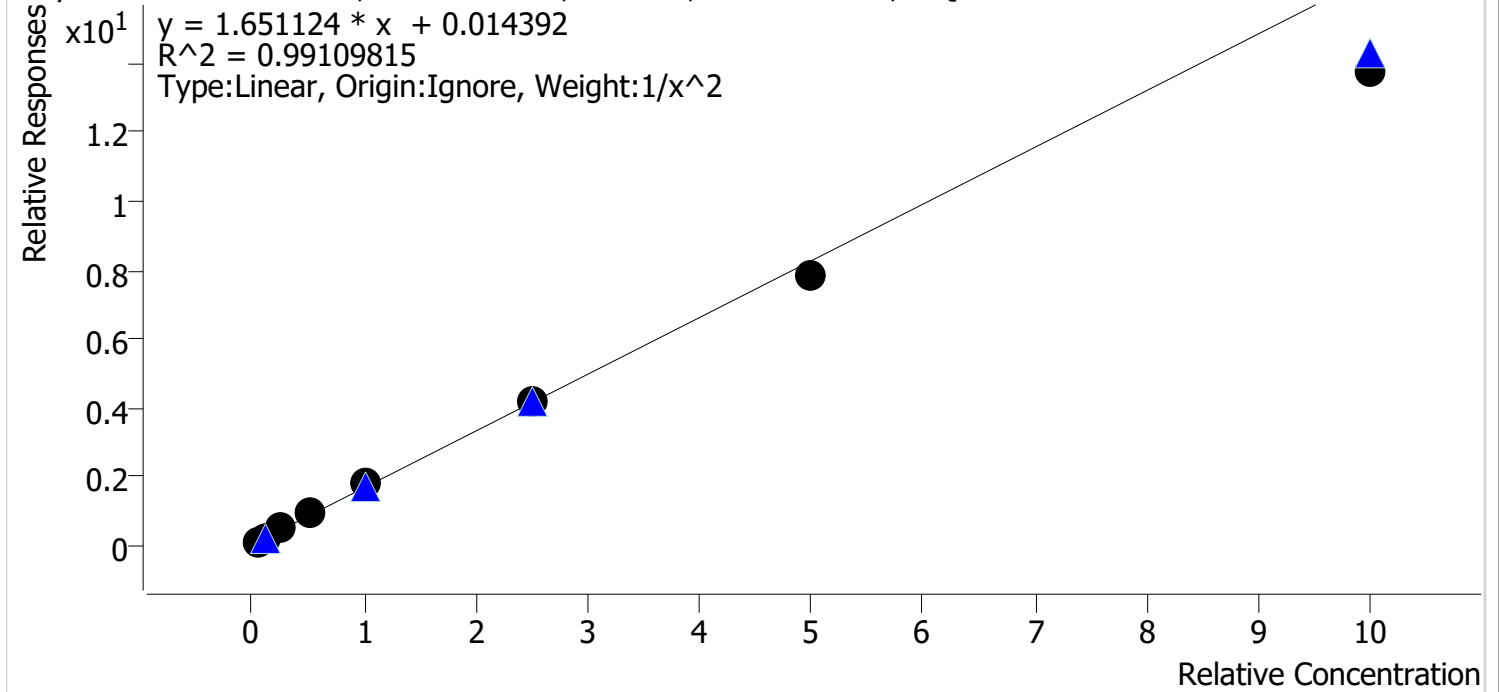
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.7
cal 2 mdq	2	✓	10.0	10.0	100.1
cal 3 mdq	3	✓	25.0	25.4	101.5
cal 4 mdq	4	✓	50.0	50.3	100.6
cal 5 mdq	5	✓	100.0	100.8	100.8
cal 6 mdq	6	✓	250.0	249.3	99.7
cal 7 mdq	7	✓	500.0	495.9	99.2
cal 8 mdq	8	✓	1000.0	1003.5	100.4

Compound Calibration Report

Batch results	D:\MassHunter\Data\2020 Data\am 28 reinject 5-5-20\QuantResults\mds2.batch.bin		
Last Cal. Update	5/7/2020 12:18 PM		
Analyst Name	ISP\datastor		
Analyte	Dihydrocodeine	Internal Standard	Dihydrocodeine-D6

BW

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



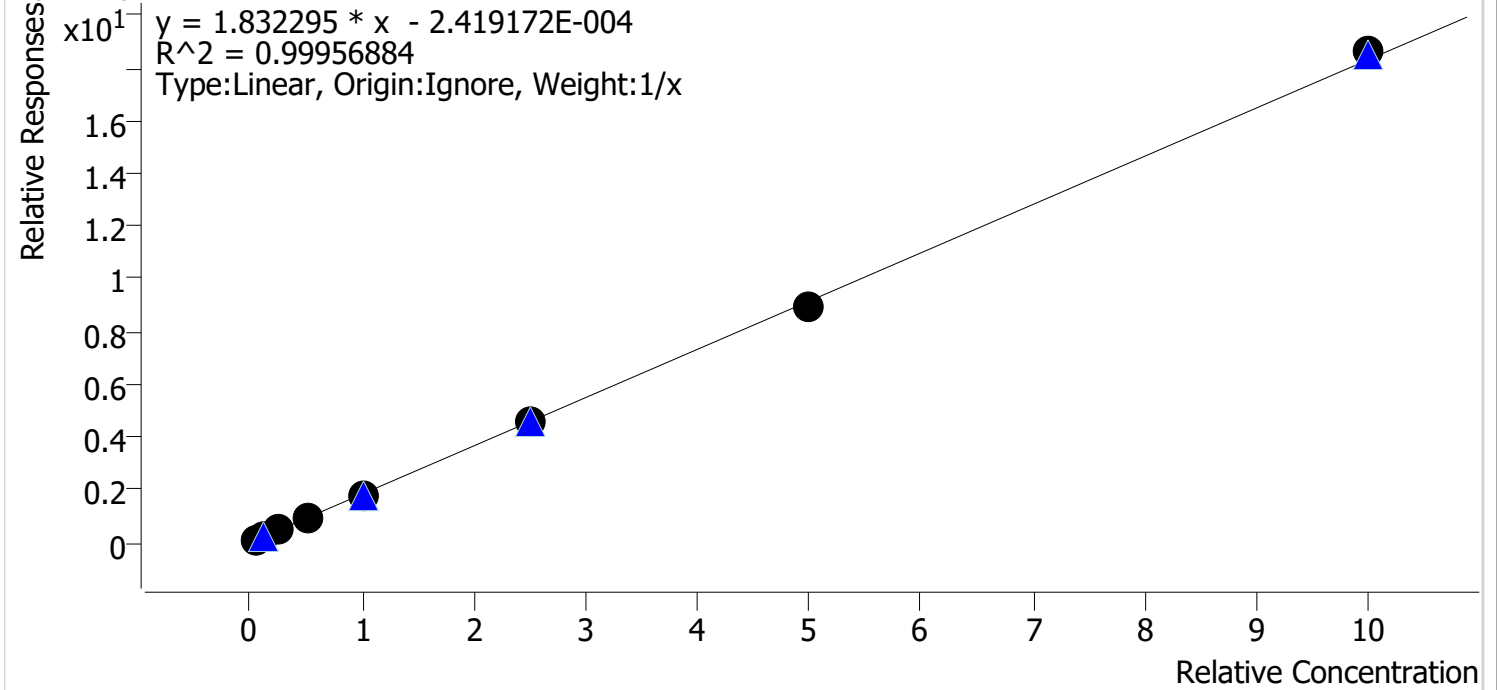
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.1
cal 2 mdq	2	✓	10.0	10.2	102.4
cal 3 mdq	3	✓	25.0	27.2	108.6
cal 4 mdq	4	✓	50.0	53.8	107.5
cal 5 mdq	5	✓	100.0	105.3	105.3
cal 6 mdq	6	✓	250.0	252.6	101.0
cal 7 mdq	7	✓	500.0	477.2	95.4
cal 8 mdq	8	✓	1000.0	835.1	83.5

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 28 reinject 5-5-20\QuantResults\mds2.batch.bin
Last Cal. Update 5/7/2020 12:18 PM
Analyst Name ISP\datastor
Analyte Diphenhydramine **Internal Standard** Diphenhydramine-D3

BW

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



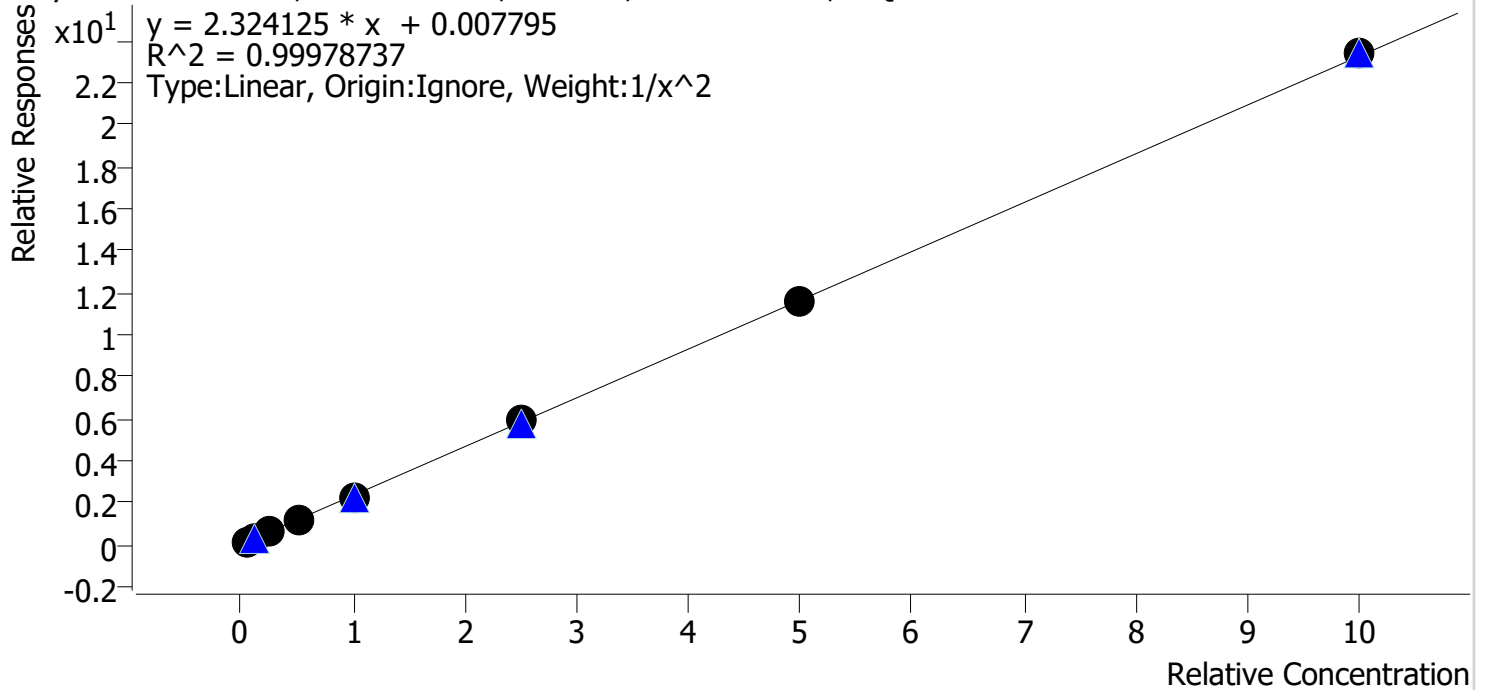
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.4	108.5
cal 2 mdq	2	✓	10.0	10.1	101.0
cal 3 mdq	3	✓	25.0	24.4	97.7
cal 4 mdq	4	✓	50.0	49.0	97.9
cal 5 mdq	5	✓	100.0	95.7	95.7
cal 6 mdq	6	✓	250.0	248.9	99.5
cal 7 mdq	7	✓	500.0	489.6	97.9
cal 8 mdq	8	✓	1000.0	1016.9	101.7

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 28 reinject 5-5-20\QuantResults\mds2.batch.bin
Last Cal. Update 5/7/2020 12:18 PM
Analyst Name ISP\datastor
Analyte Doxylamine *BW*

Internal Standard Doxylamine-D5

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



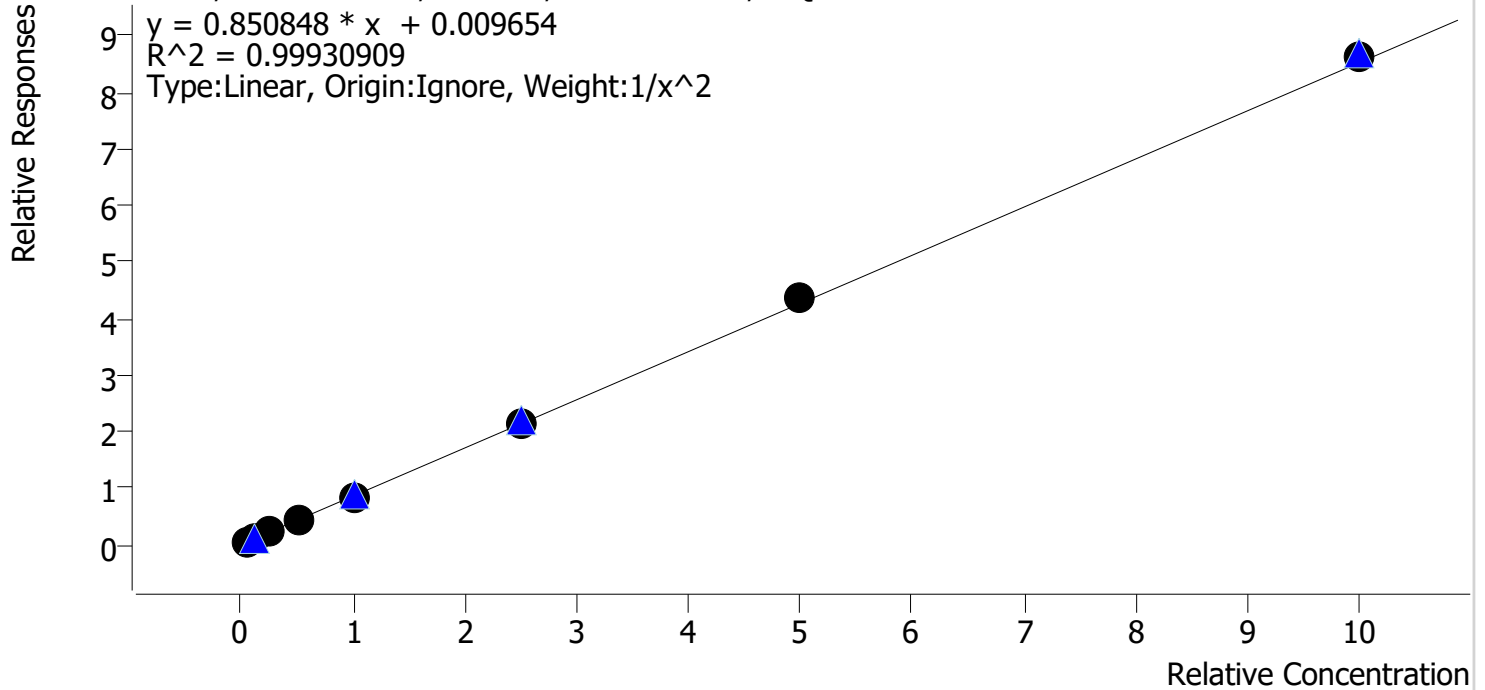
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.2
cal 2 mdq	2	✓	10.0	10.0	100.0
cal 3 mdq	3	✓	25.0	24.6	98.3
cal 4 mdq	4	✓	50.0	51.2	102.4
cal 5 mdq	5	✓	100.0	98.5	98.5
cal 6 mdq	6	✓	250.0	250.9	100.4
cal 7 mdq	7	✓	500.0	499.7	99.9
cal 8 mdq	8	✓	1000.0	1004.0	100.4

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 28 reinject 5-5-20\QuantResults\mds2.batch.bin
Last Cal. Update 5/7/2020 12:18 PM
Analyst Name ISP\datastor
Analyte EDDP *BW*

Internal Standard EDDP-D3

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



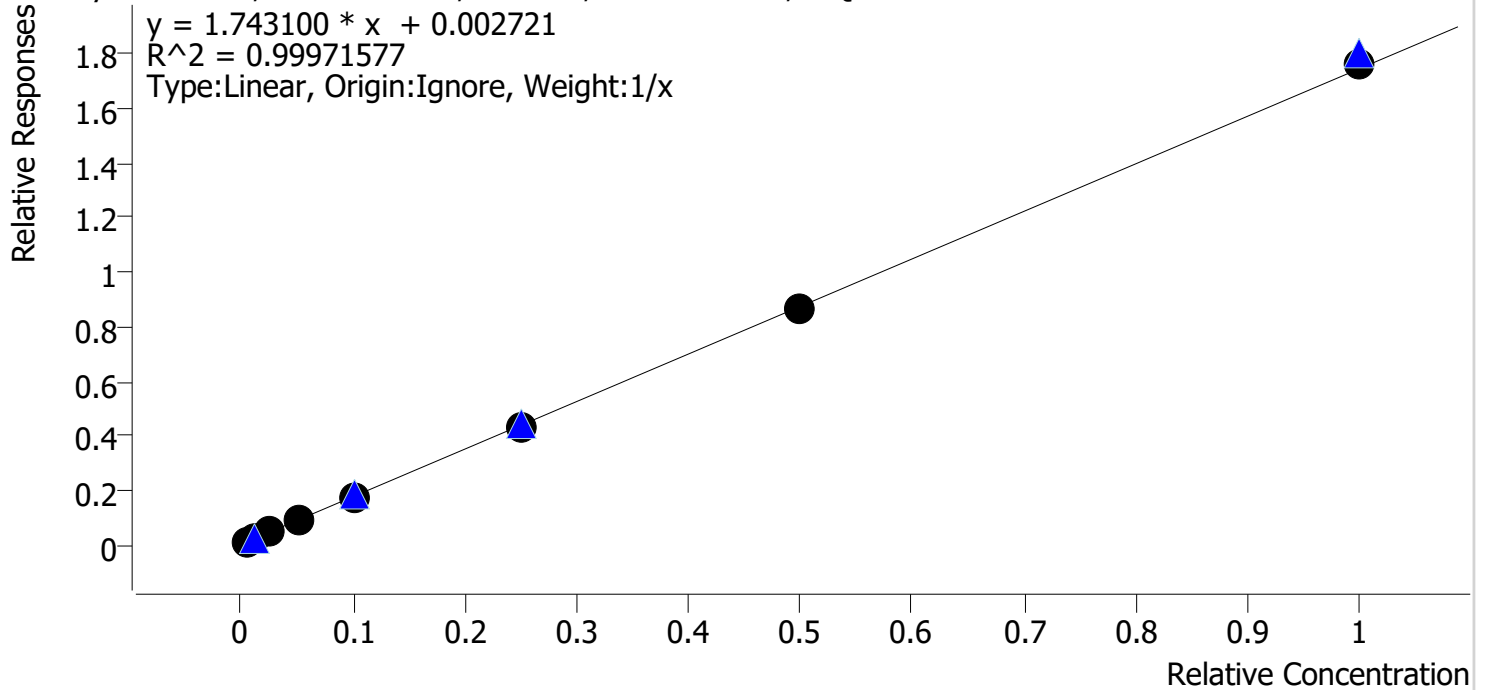
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.5
cal 2 mdq	2	✓	10.0	9.6	95.5
cal 3 mdq	3	✓	25.0	24.6	98.6
cal 4 mdq	4	✓	50.0	50.4	100.8
cal 5 mdq	5	✓	100.0	98.6	98.6
cal 6 mdq	6	✓	250.0	251.7	100.7
cal 7 mdq	7	✓	500.0	509.6	101.9
cal 8 mdq	8	✓	1000.0	1013.9	101.4

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 28 reinject 5-5-20\QuantResults\mds2.batch.bin
Last Cal. Update 5/7/2020 12:18 PM
Analyst Name ISP\datastor
Analyte Fentanyl **Internal Standard** Fentanyl-D5

BW

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



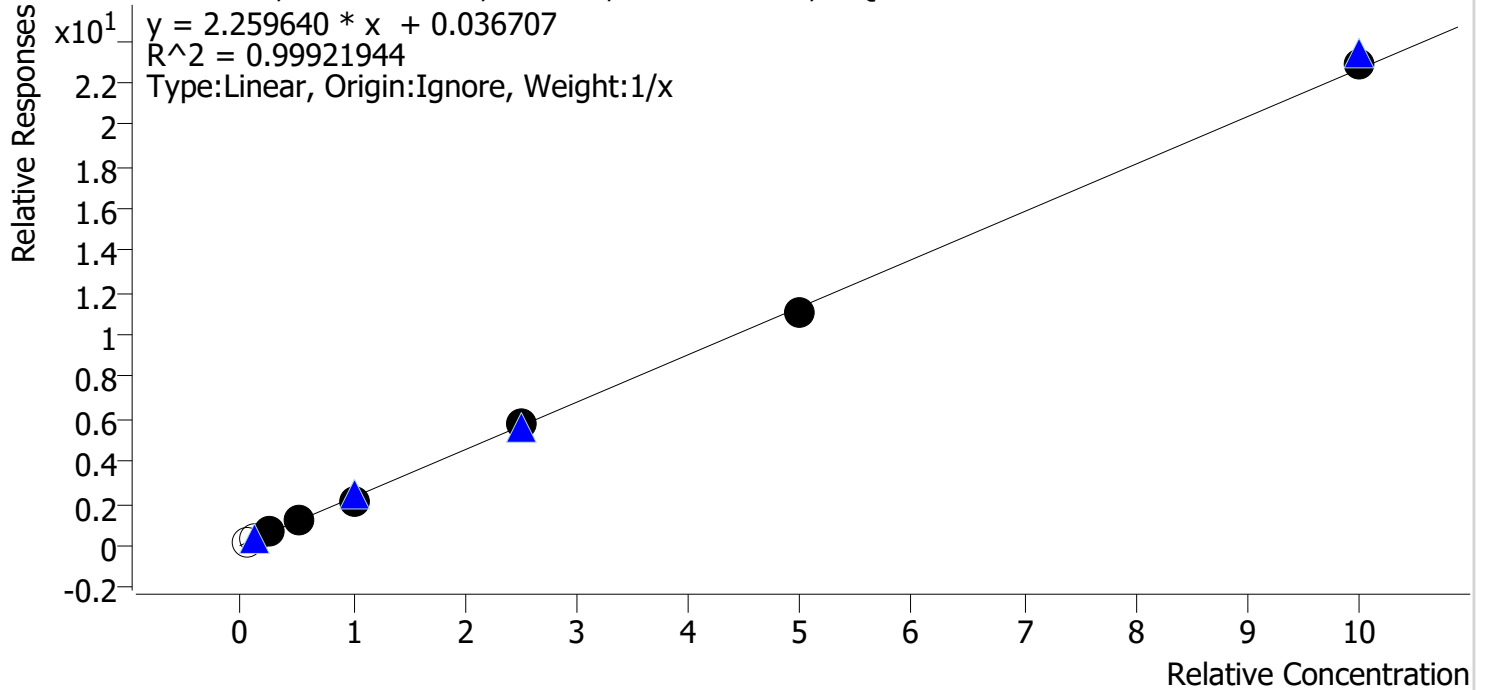
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	100.5
cal 2 mdq	2	✓	1.0	1.0	103.3
cal 3 mdq	3	✓	2.5	2.5	98.8
cal 4 mdq	4	✓	5.0	5.1	102.6
cal 5 mdq	5	✓	10.0	9.6	95.7
cal 6 mdq	6	✓	25.0	24.8	99.3
cal 7 mdq	7	✓	50.0	49.2	98.5
cal 8 mdq	8	✓	100.0	101.2	101.2

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 28 reinject 5-5-20\QuantResults\mds2.batch.bin
Last Cal. Update 5/7/2020 12:18 PM
Analyst Name ISP\datastor
Analyte Fluoxetine *BW*

Internal Standard Fluoxetine-D6

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



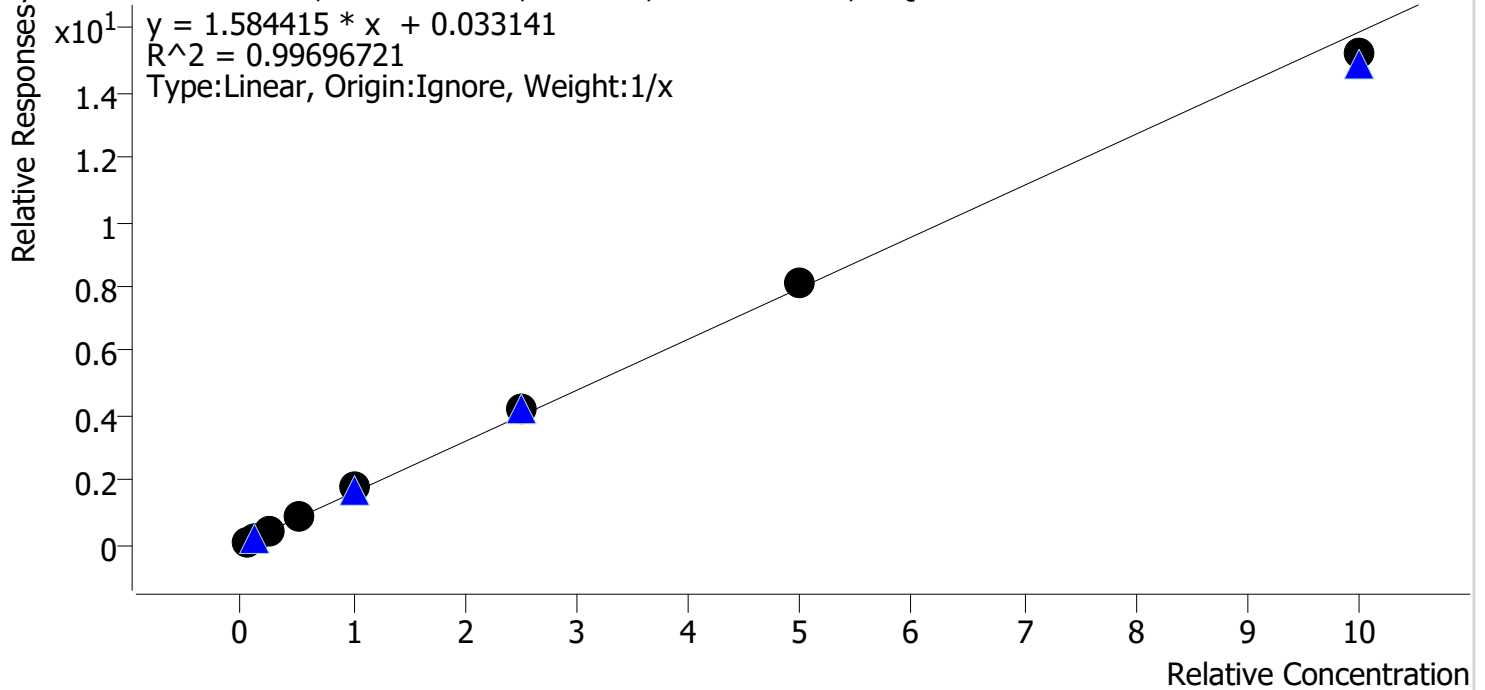
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	x	5.0	6.8	135.7
cal 2 mdq	2	x	10.0	12.6	126.2
cal 3 mdq	3	✓	25.0	26.4	105.6
cal 4 mdq	4	✓	50.0	50.8	101.5
cal 5 mdq	5	✓	100.0	91.6	91.6
cal 6 mdq	6	✓	250.0	255.2	102.1
cal 7 mdq	7	✓	500.0	491.7	98.3
cal 8 mdq	8	✓	1000.0	1009.5	100.9

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 28 reinject 5-5-20\QuantResults\mds2.batch.bin
Last Cal. Update 5/7/2020 12:18 PM
Analyst Name ISP\datastor
Analyte Hydrocodone *BW*

Internal Standard Hydrocodone-D6

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



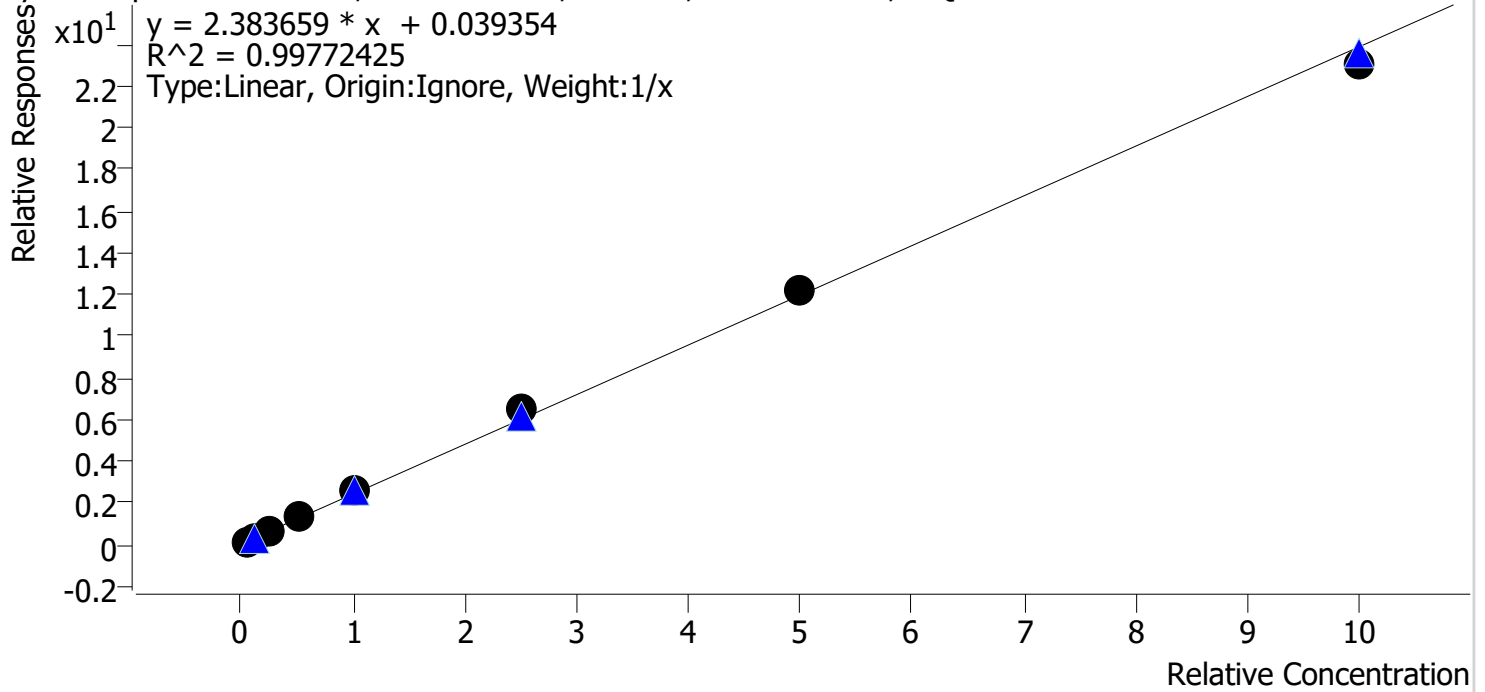
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.2	83.0
cal 2 mdq	2	✓	10.0	9.2	92.2
cal 3 mdq	3	✓	25.0	25.1	100.3
cal 4 mdq	4	✓	50.0	53.1	106.2
cal 5 mdq	5	✓	100.0	114.0	114.0
cal 6 mdq	6	✓	250.0	266.1	106.4
cal 7 mdq	7	✓	500.0	510.5	102.1
cal 8 mdq	8	✓	1000.0	957.9	95.8

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 28 reinject 5-5-20\QuantResults\mds2.batch.bin
Last Cal. Update 5/7/2020 12:18 PM
Analyst Name ISP\datastor
Analyte Hydromorphone *BW*

Internal Standard Hydromorphone-D6

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



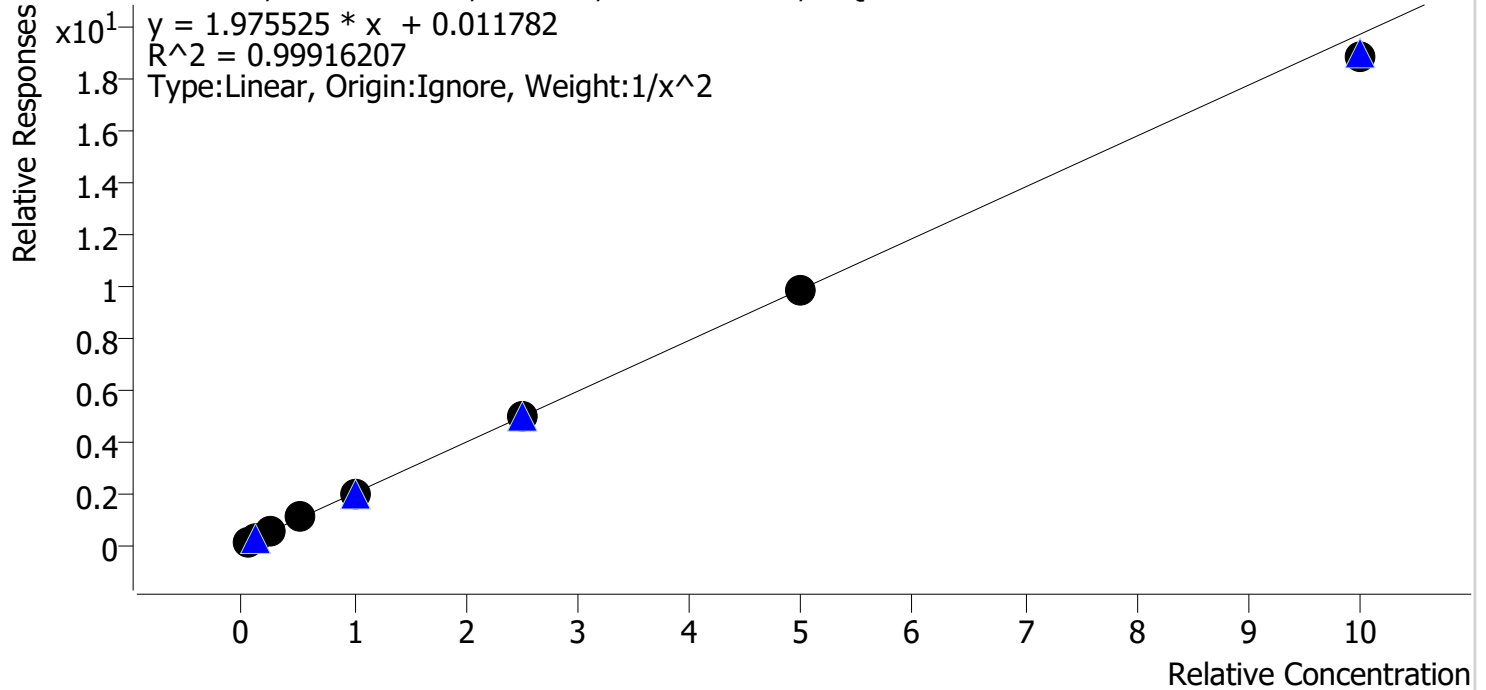
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	3.9	78.0
cal 2 mdq	2	✓	10.0	9.9	99.4
cal 3 mdq	3	✓	25.0	25.5	101.8
cal 4 mdq	4	✓	50.0	54.2	108.5
cal 5 mdq	5	✓	100.0	107.0	107.0
cal 6 mdq	6	✓	250.0	268.3	107.3
cal 7 mdq	7	✓	500.0	509.1	101.8
cal 8 mdq	8	✓	1000.0	962.1	96.2

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 28 reinject 5-5-20\QuantResults\mds2.batch.bin
Last Cal. Update 5/7/2020 12:18 PM
Analyst Name ISP\datastor
Analyte Ketamine Internal Standard Ketamine-D4

BW

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



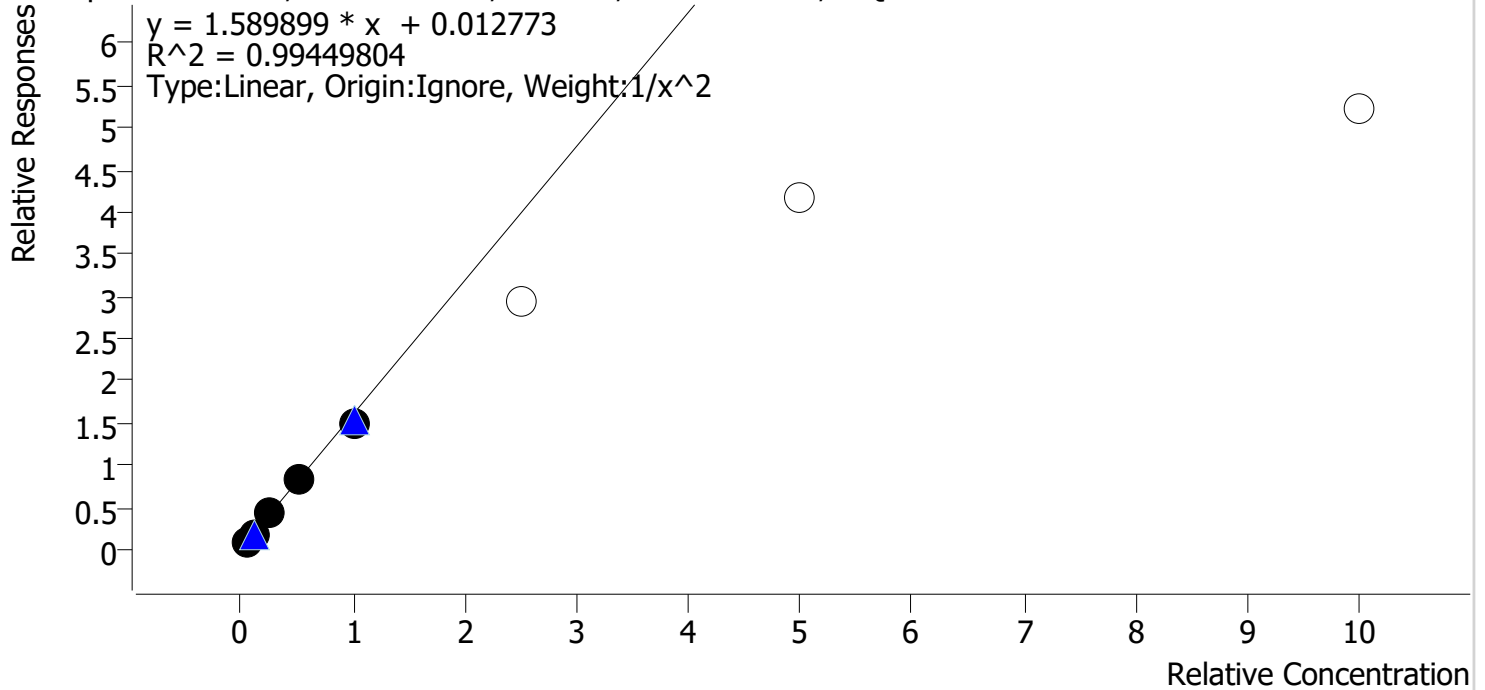
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.3
cal 2 mdq	2	✓	10.0	10.1	100.8
cal 3 mdq	3	✓	25.0	24.8	99.3
cal 4 mdq	4	✓	50.0	52.1	104.2
cal 5 mdq	5	✓	100.0	100.7	100.7
cal 6 mdq	6	✓	250.0	253.2	101.3
cal 7 mdq	7	✓	500.0	495.5	99.1
cal 8 mdq	8	✓	1000.0	953.4	95.3

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 28 reinject 5-5-20\QuantResults\mds2.batch.bin
Last Cal. Update 5/7/2020 12:18 PM
Analyst Name ISP\datastor
Analyte Lorazepam *BW*

Internal Standard Diazepam-D5

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



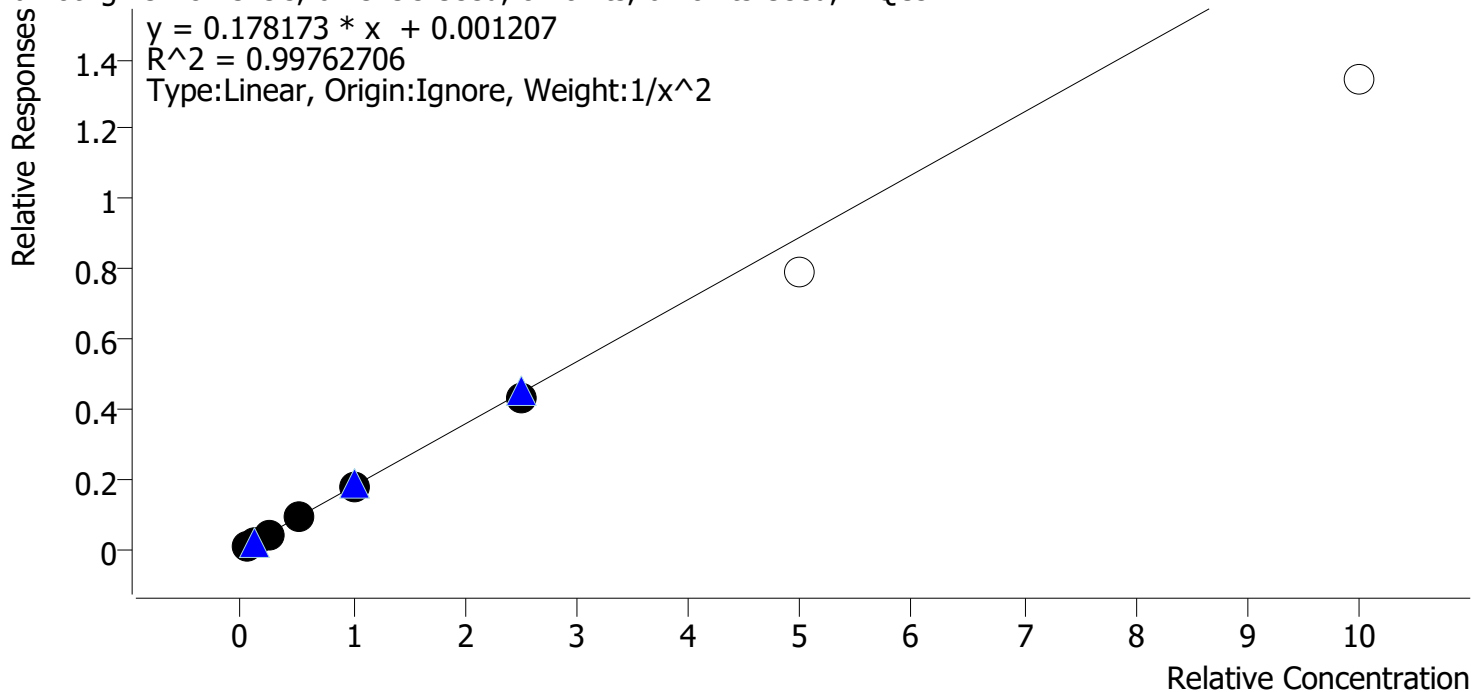
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.6
cal 2 mdq	2	✓	10.0	10.6	105.6
cal 3 mdq	3	✓	25.0	26.0	104.0
cal 4 mdq	4	✓	50.0	51.0	102.0
cal 5 mdq	5	✓	100.0	91.8	91.8
cal 6 mdq	6	✗	250.0	184.5	73.8
cal 7 mdq	7	✗	500.0	261.4	52.3
cal 8 mdq	8	✗	1000.0	328.3	32.8

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\lam 28 reinject 5-5-20\QuantResults\mds2.batch.bin
Last Cal. Update 5/7/2020 12:18 PM
Analyst Name ISP\datastor
Analyte Lamotrigine
Internal Standard Ketamine-D4

BW

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



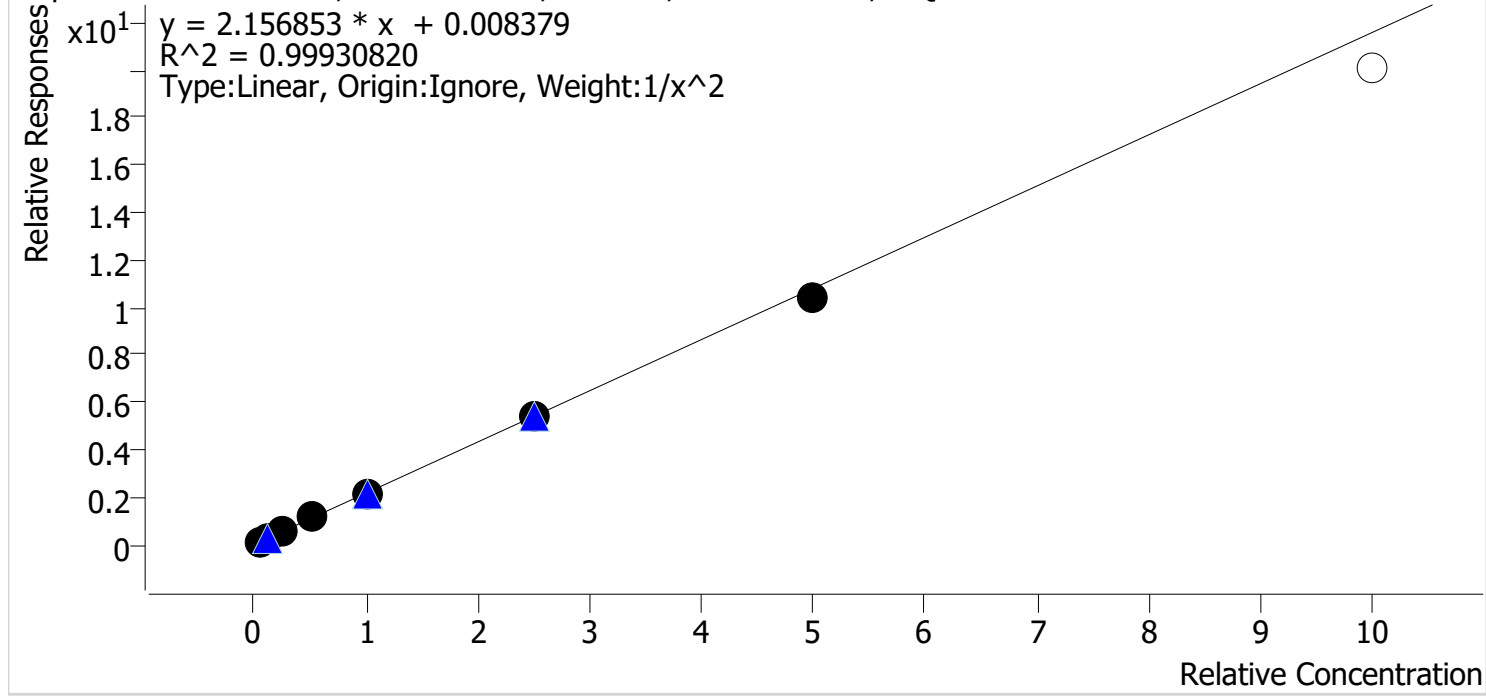
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.9
cal 2 mdq	2	✓	10.0	10.3	103.0
cal 3 mdq	3	✓	25.0	23.9	95.6
cal 4 mdq	4	✓	50.0	52.7	105.4
cal 5 mdq	5	✓	100.0	101.5	101.5
cal 6 mdq	6	✓	250.0	239.3	95.7
cal 7 mdq	7	x	500.0	441.3	88.3
cal 8 mdq	8	x	1000.0	751.8	75.2

Compound Calibration Report

Batch results	D:\MassHunter\Data\2020 Data\am 28 reinject 5-5-20\QuantResults\mds2.batch.bin		
Last Cal. Update	5/7/2020 12:18 PM		
Analyst Name	ISP\datastor		
Analyte	Meprobamate	Internal Standard	Meprobamate-D7

BW

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

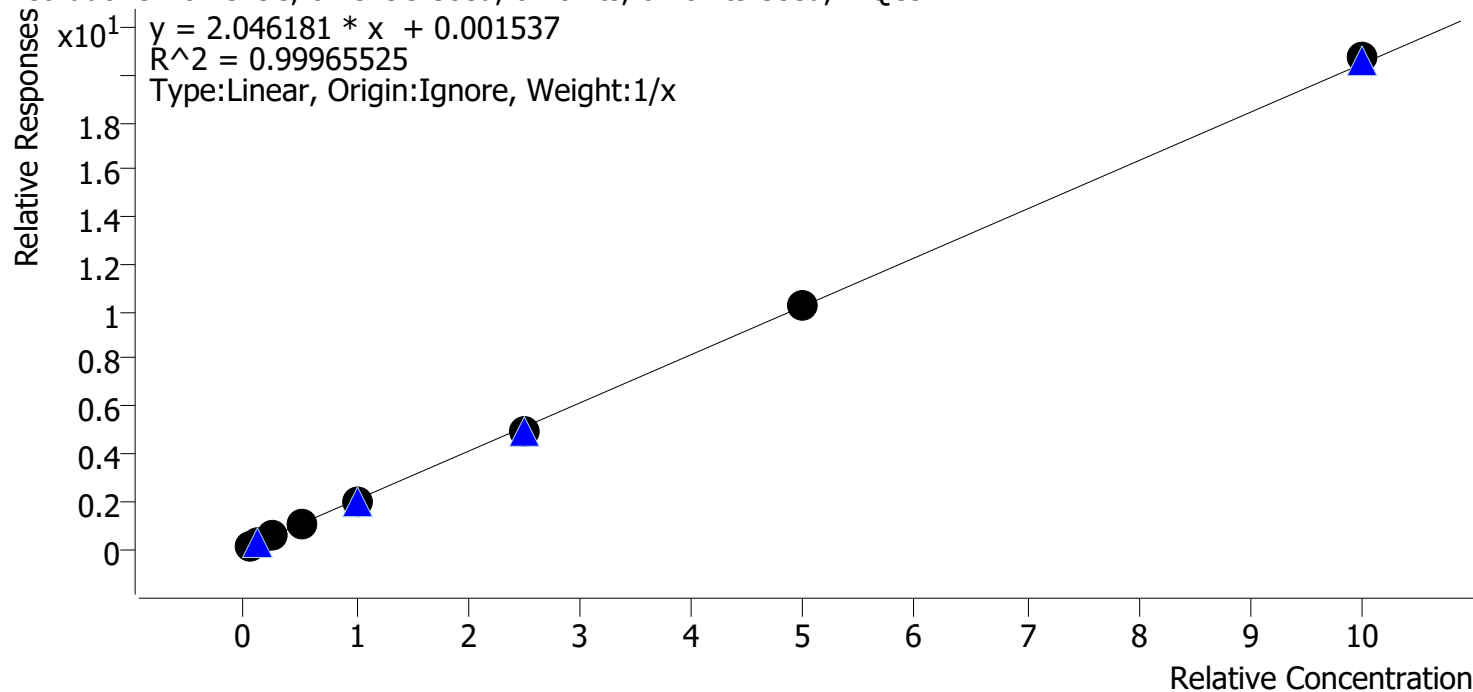


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.2
cal 2 mdq	2	✓	10.0	10.1	100.8
cal 3 mdq	3	✓	25.0	25.1	100.3
cal 4 mdq	4	✓	50.0	52.0	103.9
cal 5 mdq	5	✓	100.0	99.8	99.8
cal 6 mdq	6	✓	250.0	248.6	99.4
cal 7 mdq	7	✓	500.0	482.4	96.5
cal 8 mdq	8	✗	1000.0	931.2	93.1

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 28 reinject 5-5-20\QuantResults\mds2.batch.bin
Last Cal. Update 5/7/2020 12:18 PM
Analyst Name ISP\datastor
Analyte Methadone *BW*
Internal Standard **Methadone-D9**

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



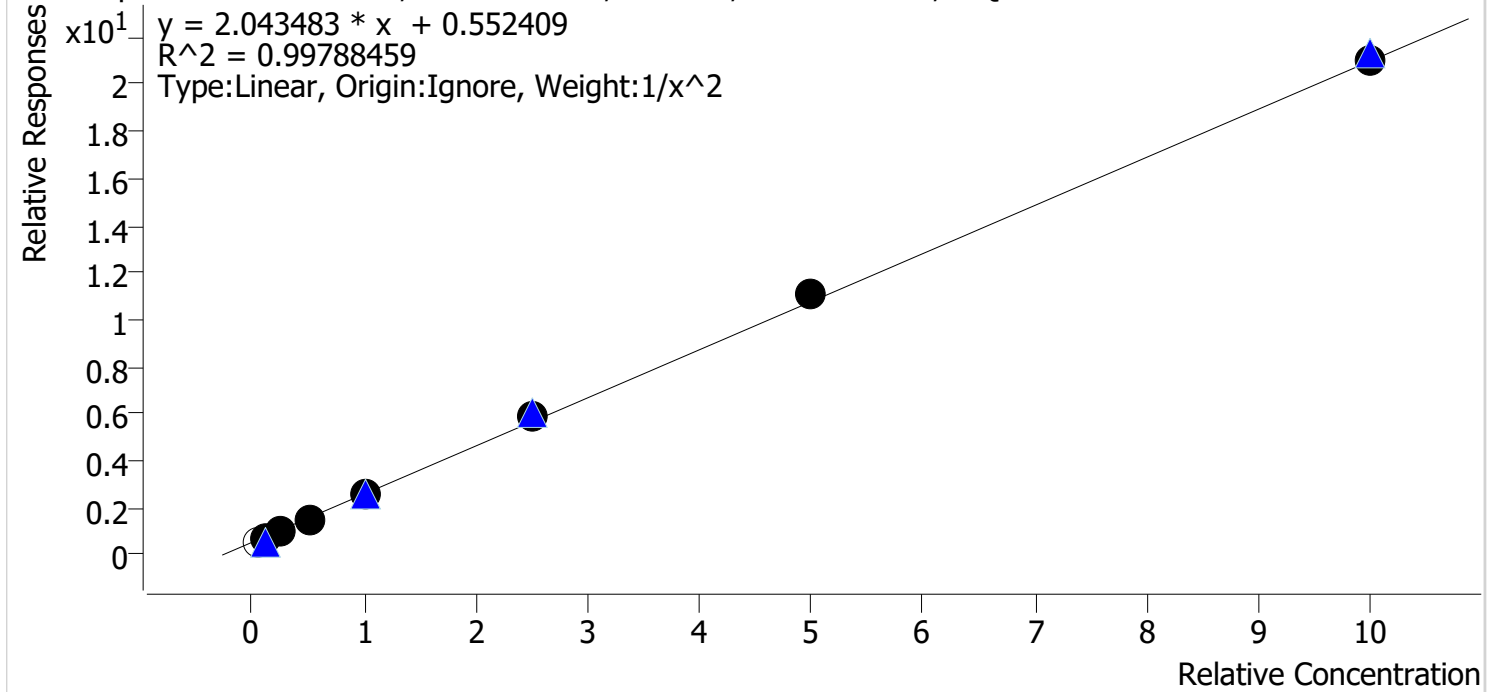
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.3	107.0
cal 2 mdq	2	✓	10.0	10.3	103.1
cal 3 mdq	3	✓	25.0	24.8	99.3
cal 4 mdq	4	✓	50.0	48.3	96.6
cal 5 mdq	5	✓	100.0	95.1	95.1
cal 6 mdq	6	✓	250.0	244.8	97.9
cal 7 mdq	7	✓	500.0	498.4	99.7
cal 8 mdq	8	✓	1000.0	1012.9	101.3

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 28 reinject 5-5-20\QuantResults\mds2.batch.bin
Last Cal. Update 5/7/2020 12:18 PM
Analyst Name ISP\datastor
Analyte Methamphetamine *BW*

Internal Standard Methamphetamine-D11

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	x	5.0	0.8	16.8
cal 2 mdq	2	✓	10.0	10.3	103.2
cal 3 mdq	3	✓	25.0	23.2	92.6
cal 4 mdq	4	✓	50.0	48.9	97.9
cal 5 mdq	5	✓	100.0	99.3	99.3
cal 6 mdq	6	✓	250.0	260.1	104.0
cal 7 mdq	7	✓	500.0	513.3	102.7
cal 8 mdq	8	✓	1000.0	1003.3	100.3

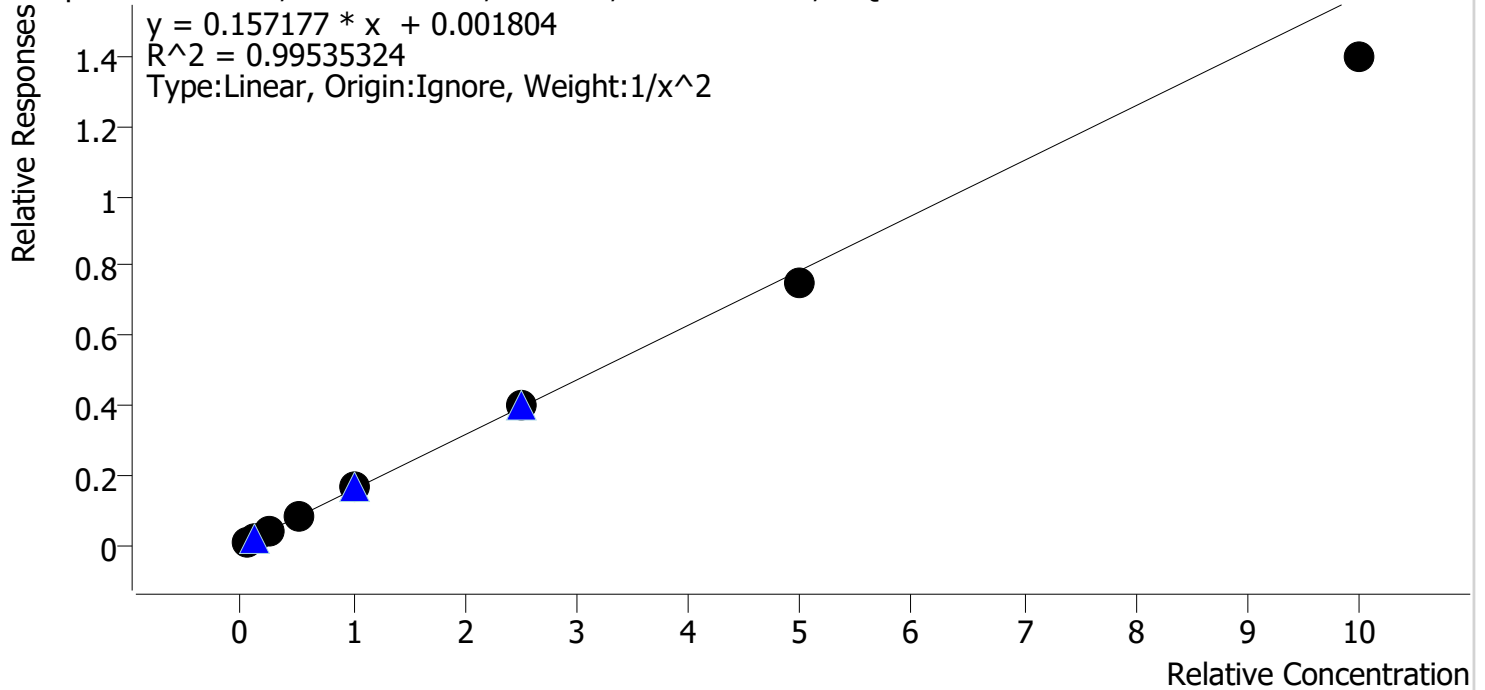
Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 28 reinject 5-5-20\QuantResults\mds2.batch.bin
Last Cal. Update 5/7/2020 12:18 PM
Analyst Name ISP\datastor
Analyte Metoprolol

BW

Internal Standard Doxylamine-D5

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



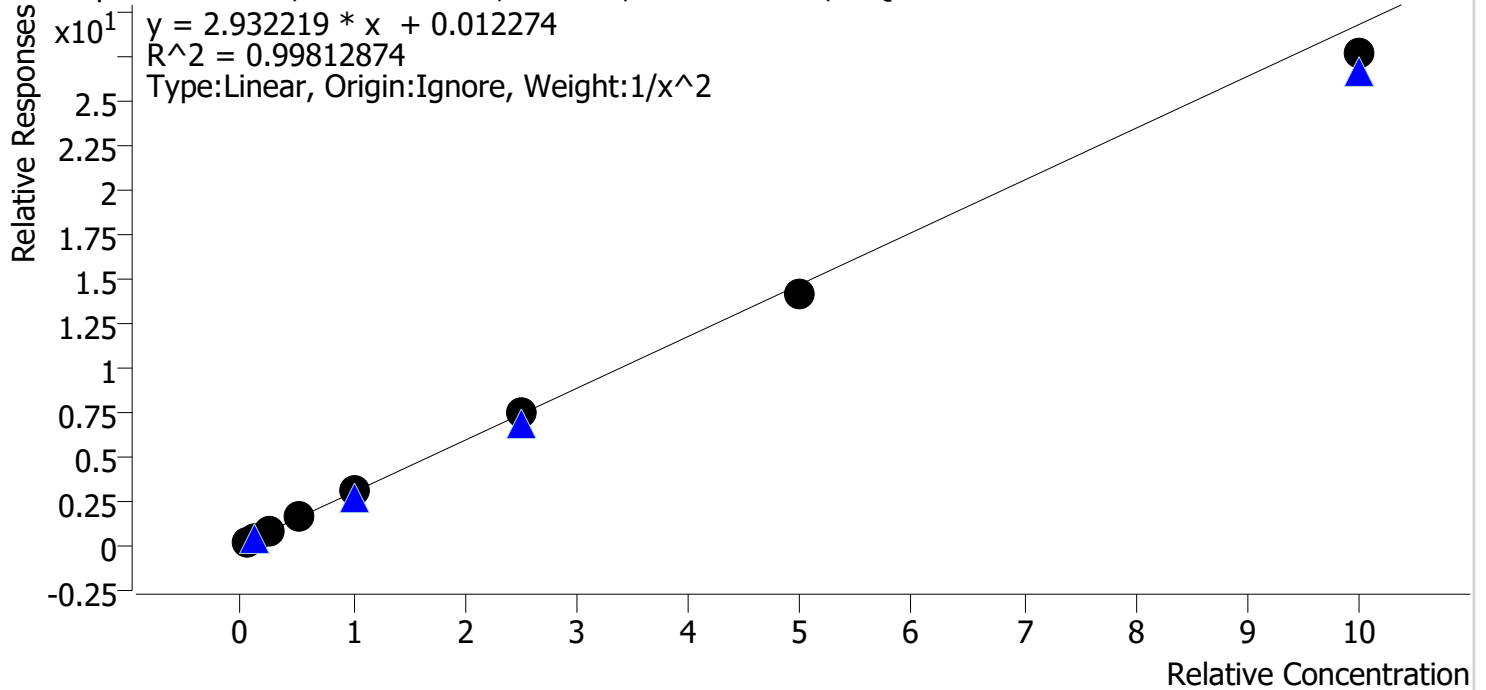
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.4
cal 2 mdq	2	✓	10.0	9.9	99.4
cal 3 mdq	3	✓	25.0	26.3	105.1
cal 4 mdq	4	✓	50.0	54.0	108.0
cal 5 mdq	5	✓	100.0	103.5	103.5
cal 6 mdq	6	✓	250.0	251.8	100.7
cal 7 mdq	7	✓	500.0	480.3	96.1
cal 8 mdq	8	✓	1000.0	888.3	88.8

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 28 reinject 5-5-20\QuantResults\mds2.batch.bin
Last Cal. Update 5/7/2020 12:18 PM
Analyst Name ISP\datastor
Analyte Mirtazapine *BW*

Internal Standard Methadone-D9

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



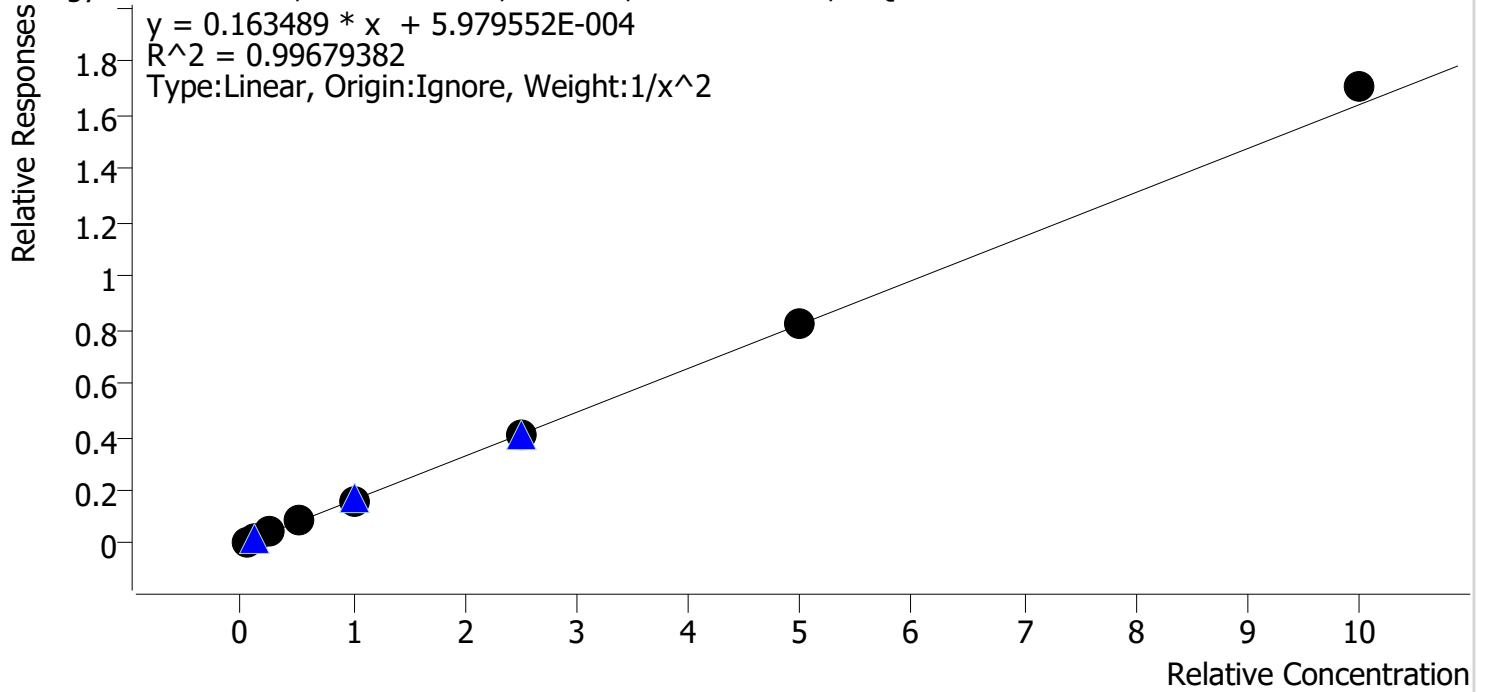
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.6
cal 2 mdq	2	✓	10.0	10.2	101.9
cal 3 mdq	3	✓	25.0	26.5	106.1
cal 4 mdq	4	✓	50.0	50.8	101.5
cal 5 mdq	5	✓	100.0	102.0	102.0
cal 6 mdq	6	✓	250.0	250.8	100.3
cal 7 mdq	7	✓	500.0	480.8	96.2
cal 8 mdq	8	✓	1000.0	943.9	94.4

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 28 reinject 5-5-20\QuantResults\mds2.batch.bin
Last Cal. Update 5/7/2020 12:18 PM
Analyst Name ISP\datastor
Analyte Mitragynine *BW*

Internal Standard Methadone-D9

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



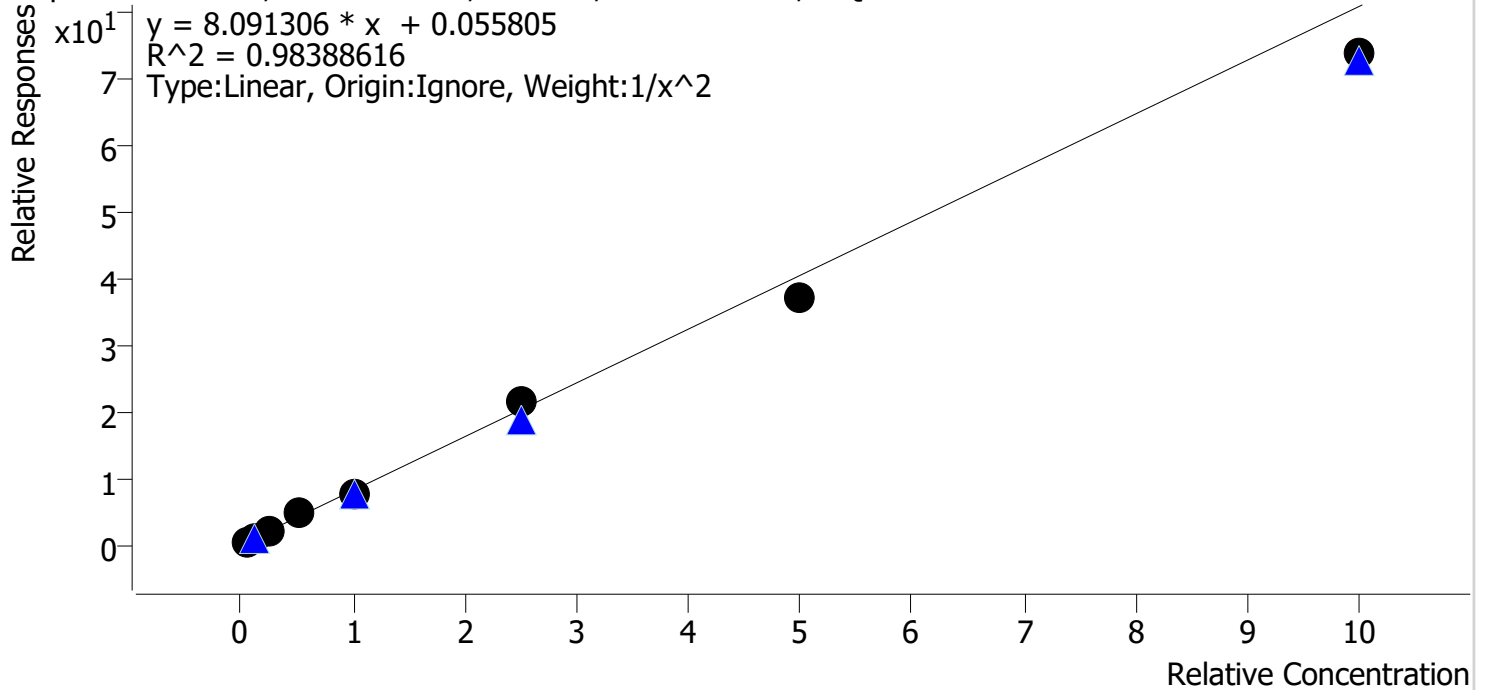
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	104.6
cal 2 mdq	2	✓	10.0	8.9	89.2
cal 3 mdq	3	✓	25.0	25.9	103.8
cal 4 mdq	4	✓	50.0	50.2	100.5
cal 5 mdq	5	✓	100.0	100.3	100.3
cal 6 mdq	6	✓	250.0	245.4	98.2
cal 7 mdq	7	✓	500.0	498.1	99.6
cal 8 mdq	8	✓	1000.0	1038.5	103.9

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 28 reinject 5-5-20\QuantResults\mds2.batch.bin
Last Cal. Update 5/7/2020 12:18 PM
Analyst Name ISP\datastor
Analyte Morphine *BW*

Internal Standard Morphine-D6

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

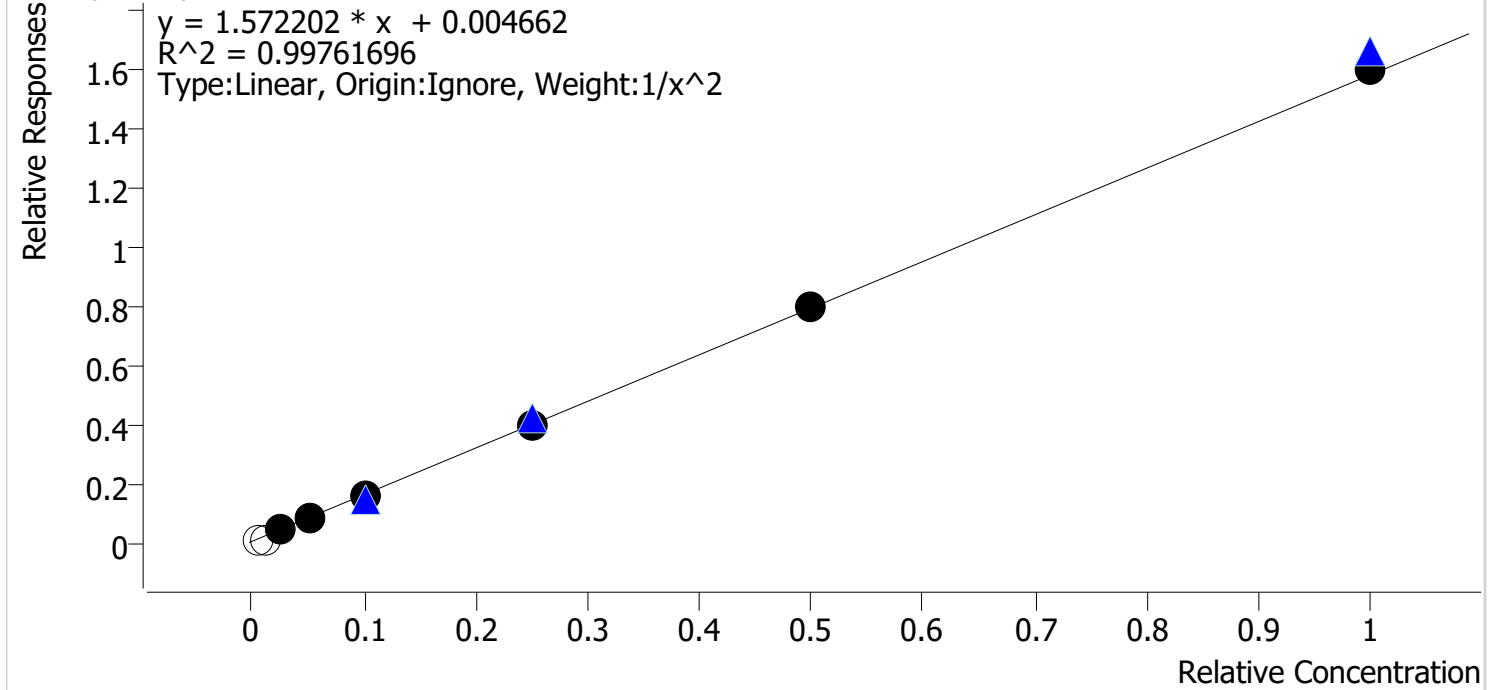


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.5	90.7
cal 2 mdq	2	✓	10.0	11.9	118.9
cal 3 mdq	3	✓	25.0	23.5	94.0
cal 4 mdq	4	✓	50.0	56.6	113.2
cal 5 mdq	5	✓	100.0	95.1	95.1
cal 6 mdq	6	✓	250.0	264.1	105.6
cal 7 mdq	7	✓	500.0	456.1	91.2
cal 8 mdq	8	✓	1000.0	912.2	91.2

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 28 reinject 5-5-20\QuantResults\mds2.batch.bin
Last Cal. Update 5/7/2020 12:18 PM
Analyst Name ISP\datastor *BW*
Analyte Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

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



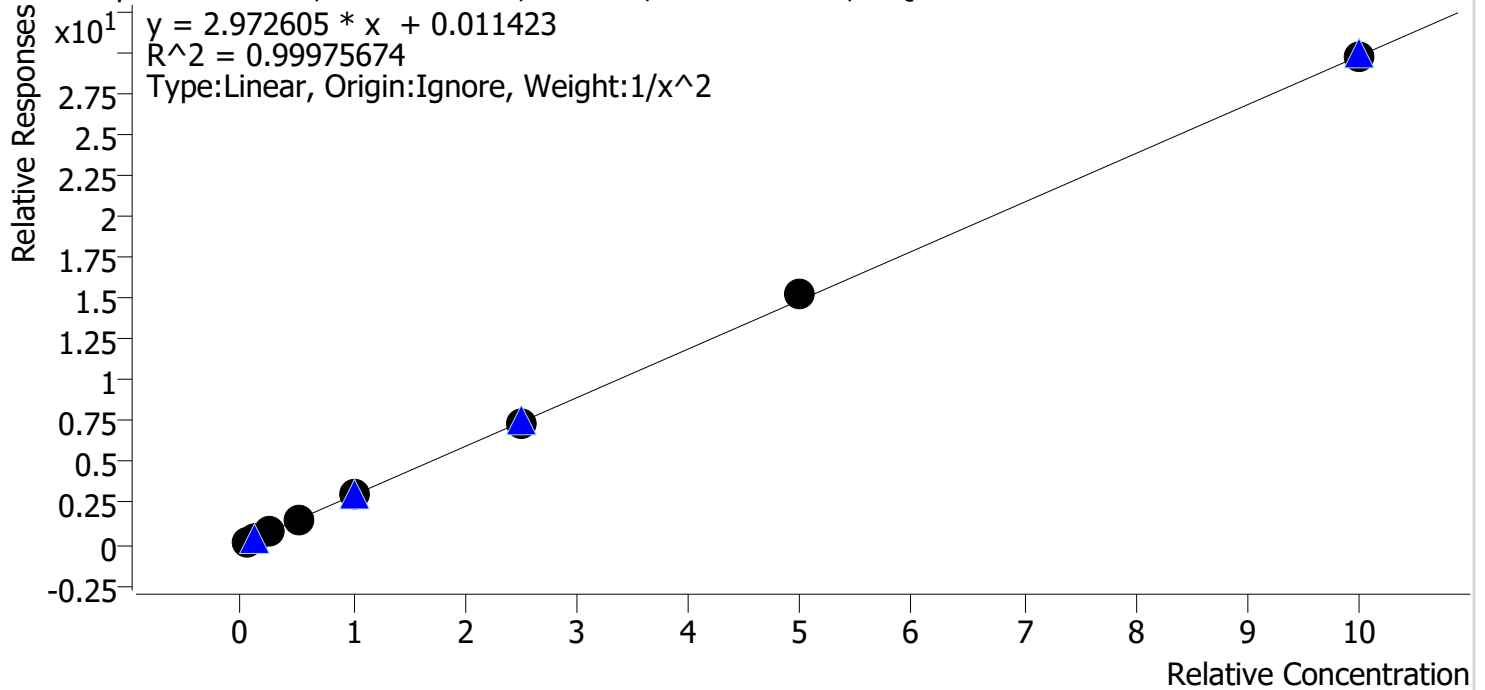
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	x	0.5	0.3	61.4
cal 2 mdq	2	x	1.0	0.4	39.4
cal 3 mdq	3	✓	2.5	2.5	98.3
cal 4 mdq	4	✓	5.0	5.3	106.3
cal 5 mdq	5	✓	10.0	9.5	94.8
cal 6 mdq	6	✓	25.0	24.5	98.1
cal 7 mdq	7	✓	50.0	50.6	101.1
cal 8 mdq	8	✓	100.0	101.4	101.4

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 28 reinject 5-5-20\QuantResults\mds2.batch.bin
Last Cal. Update 5/7/2020 12:18 PM
Analyst Name ISP\datastor
Analyte Nordiazepam
Internal Standard Nordiazepam-D5

BW

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



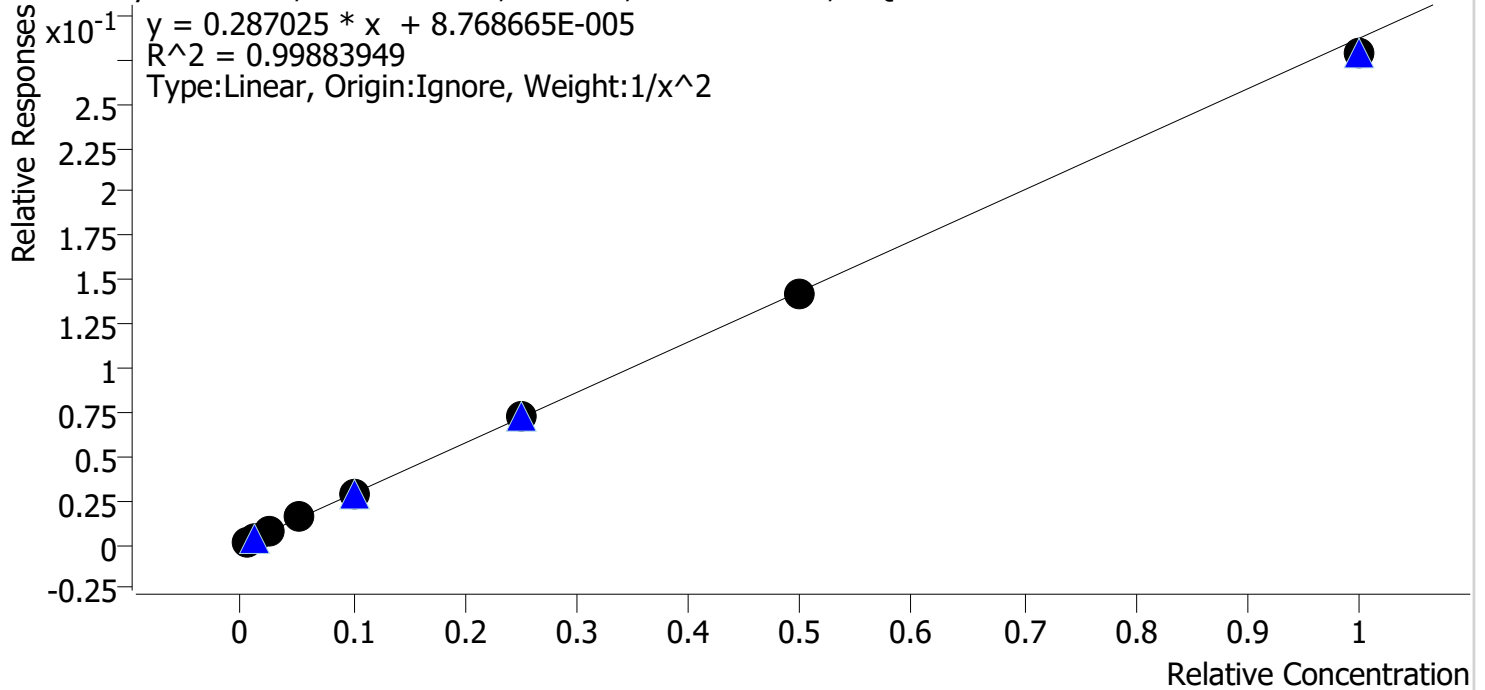
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.5
cal 2 mdq	2	✓	10.0	9.9	99.1
cal 3 mdq	3	✓	25.0	24.8	99.3
cal 4 mdq	4	✓	50.0	50.6	101.3
cal 5 mdq	5	✓	100.0	98.8	98.8
cal 6 mdq	6	✓	250.0	246.0	98.4
cal 7 mdq	7	✓	500.0	512.1	102.4
cal 8 mdq	8	✓	1000.0	1001.0	100.1

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 28 reinject 5-5-20\QuantResults\mds2.batch.bin
Last Cal. Update 5/7/2020 12:18 PM
Analyst Name ISP\datastor
Analyte Norfentanyl *BW*

Internal Standard Norfentanyl-D5

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



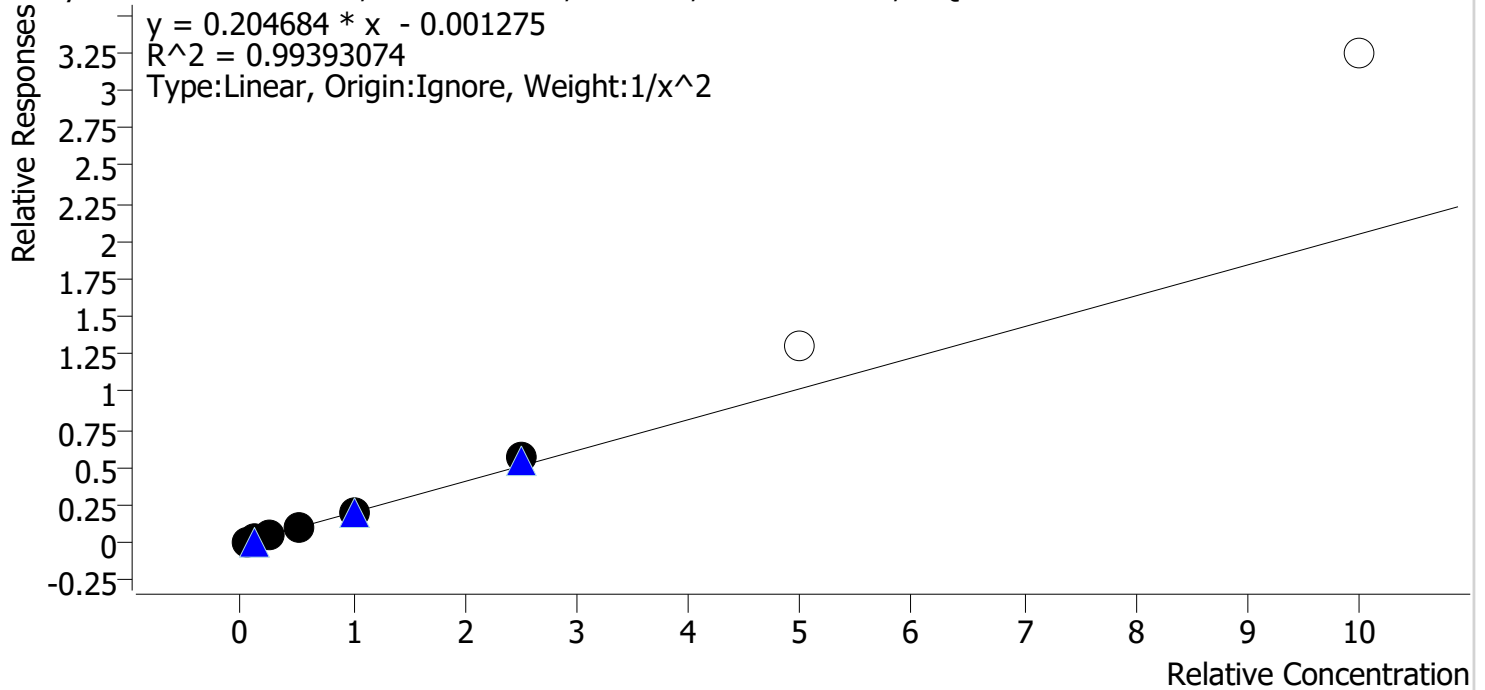
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	99.4
cal 2 mdq	2	✓	1.0	1.0	102.5
cal 3 mdq	3	✓	2.5	2.4	94.8
cal 4 mdq	4	✓	5.0	5.2	103.0
cal 5 mdq	5	✓	10.0	10.2	102.4
cal 6 mdq	6	✓	25.0	25.4	101.7
cal 7 mdq	7	✓	50.0	49.7	99.4
cal 8 mdq	8	✓	100.0	96.9	96.9

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\lam 28 reinject 5-5-20\QuantResults\mds2.batch.bin
Last Cal. Update 5/7/2020 12:18 PM
Analyst Name ISP\datastor
Analyte Norhydrocodone **Internal Standard** Norhydrocodone-D3

BW

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

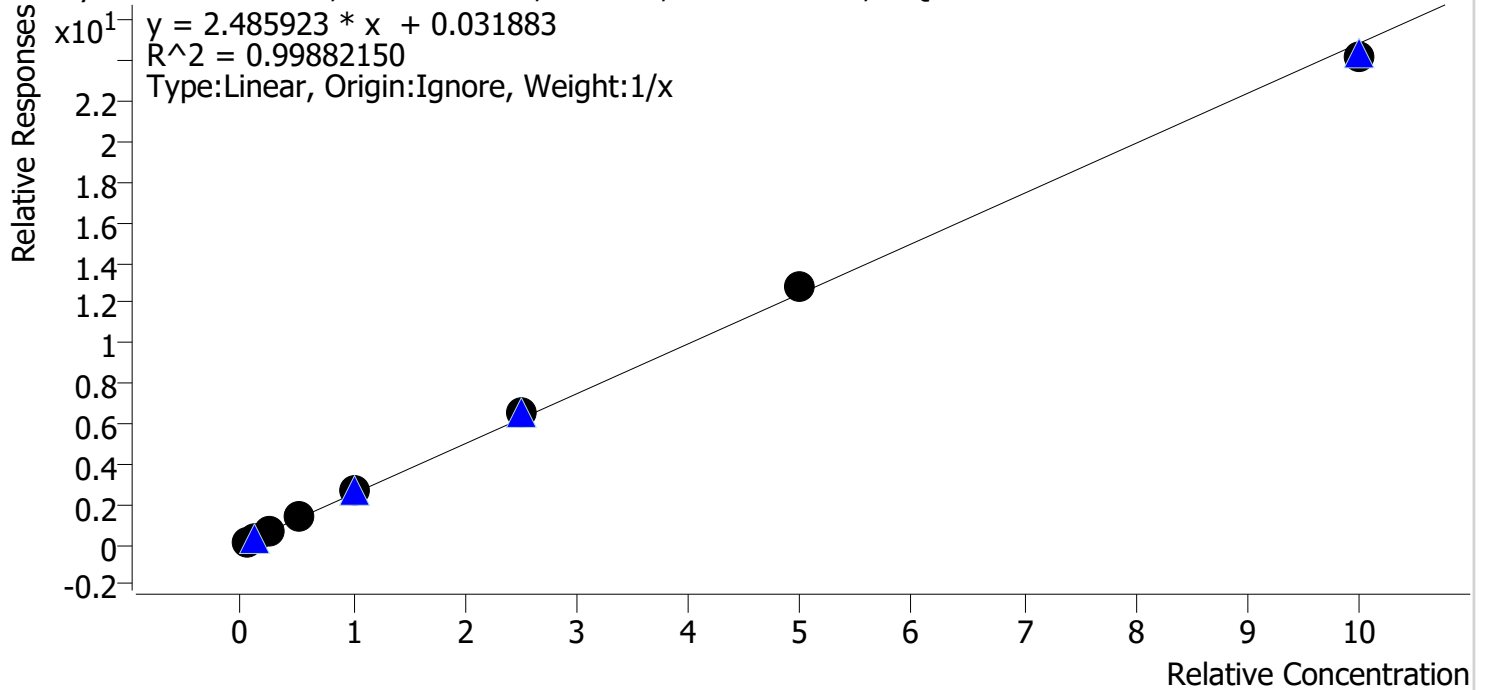


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.4
cal 2 mdq	2	✓	10.0	9.8	98.5
cal 3 mdq	3	✓	25.0	22.7	90.9
cal 4 mdq	4	✓	50.0	50.9	101.7
cal 5 mdq	5	✓	100.0	96.7	96.7
cal 6 mdq	6	✓	250.0	274.7	109.9
cal 7 mdq	7	✗	500.0	644.5	128.9
cal 8 mdq	8	✗	1000.0	1583.7	158.4

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 28 reinject 5-5-20\QuantResults\mds2.batch.bin
Last Cal. Update 5/7/2020 12:18 PM
Analyst Name ISP\datastor *BW*
Analyte Noroxycodone **Internal Standard** Noroxycodone-D3

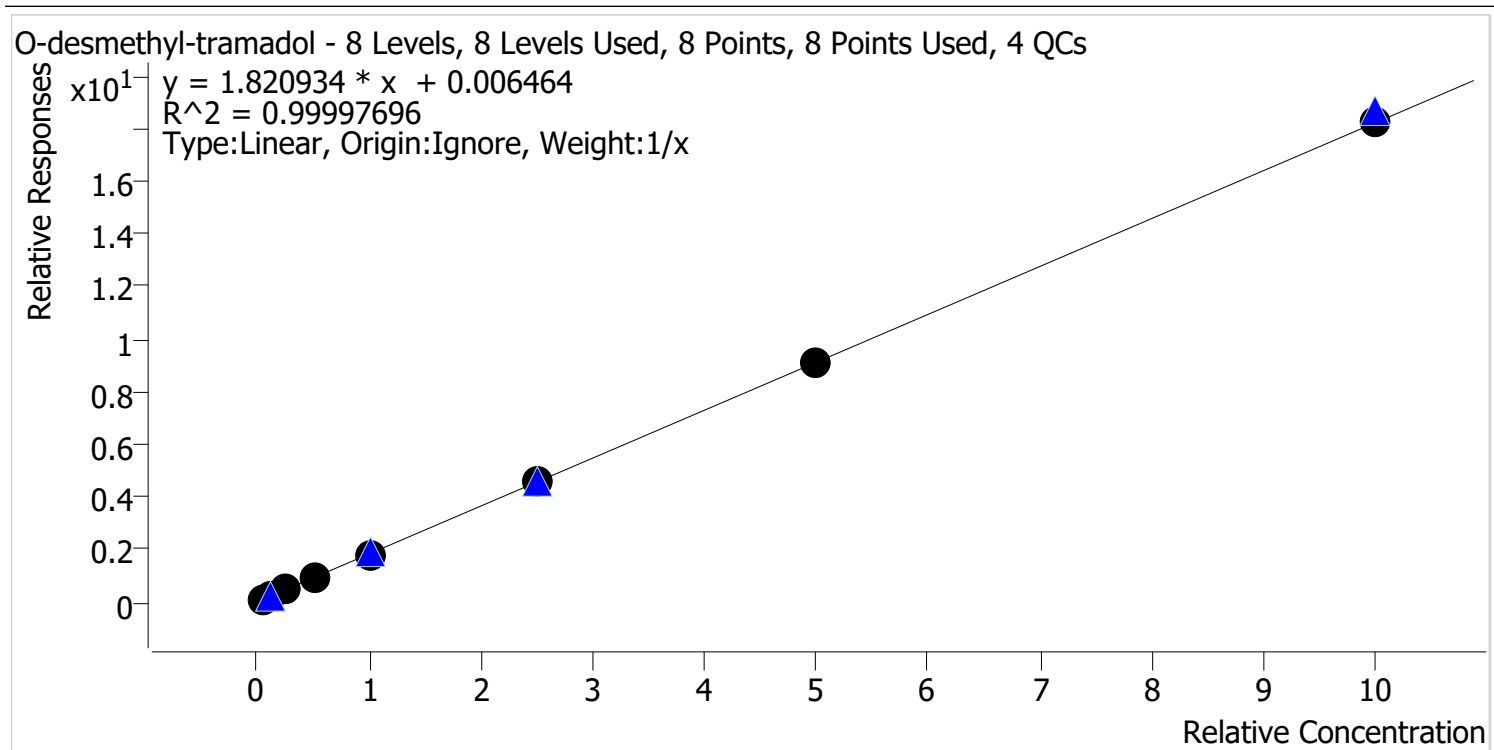
Noroxycodone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.4	88.2
cal 2 mdq	2	✓	10.0	9.7	97.2
cal 3 mdq	3	✓	25.0	25.0	100.2
cal 4 mdq	4	✓	50.0	53.1	106.3
cal 5 mdq	5	✓	100.0	104.5	104.5
cal 6 mdq	6	✓	250.0	260.7	104.3
cal 7 mdq	7	✓	500.0	511.9	102.4
cal 8 mdq	8	✓	1000.0	970.5	97.1

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 28 reinject 5-5-20\QuantResults\mds2.batch.bin
Last Cal. Update 5/7/2020 12:18 PM
Analyst Name ISP\datastor *BW*
Analyte O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6



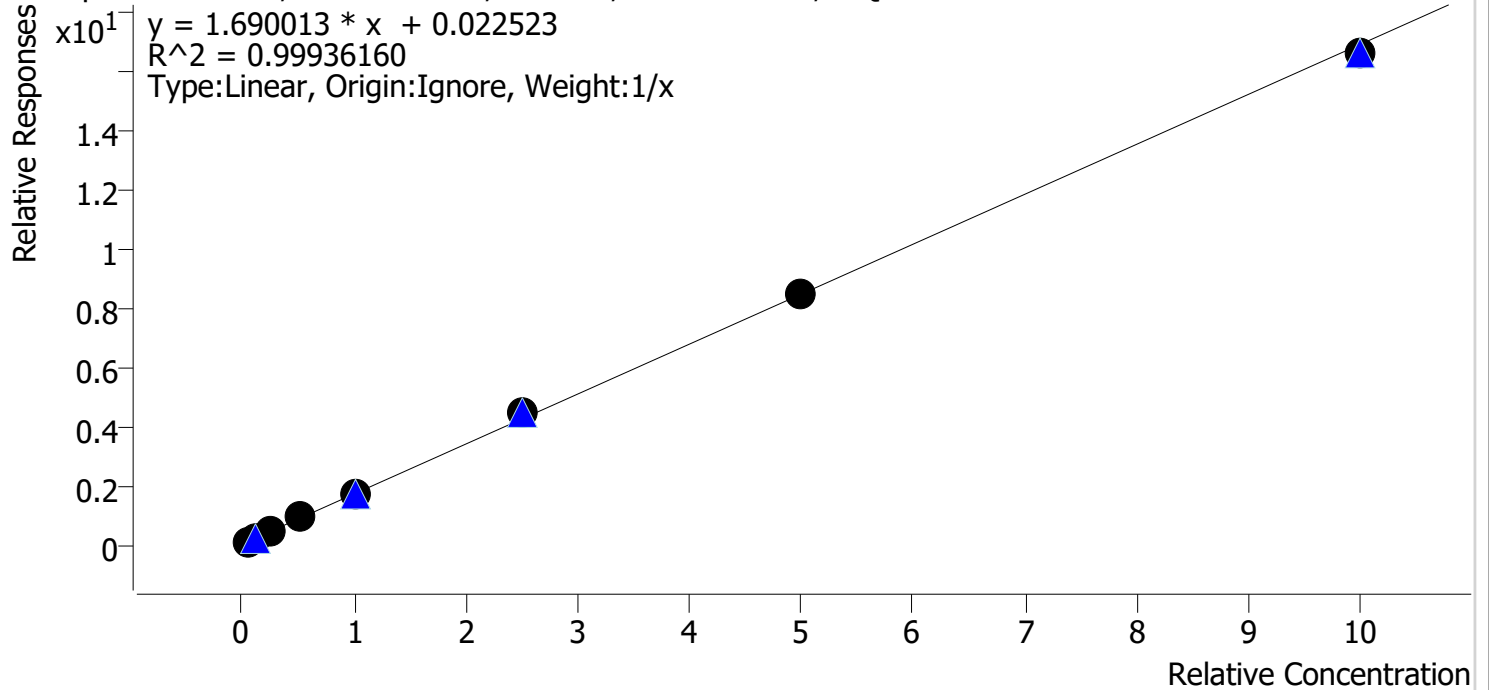
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.4
cal 2 mdq	2	✓	10.0	10.0	100.0
cal 3 mdq	3	✓	25.0	24.7	98.6
cal 4 mdq	4	✓	50.0	50.8	101.6
cal 5 mdq	5	✓	100.0	98.9	98.9
cal 6 mdq	6	✓	250.0	251.2	100.5
cal 7 mdq	7	✓	500.0	501.1	100.2
cal 8 mdq	8	✓	1000.0	998.4	99.8

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\lam 28 reinject 5-5-20\QuantResults\mds2.batch.bin
Last Cal. Update 5/7/2020 12:18 PM
Analyst Name ISP\datastor
Analyte Oxazepam *BW*

Internal Standard Oxazepam-D5

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

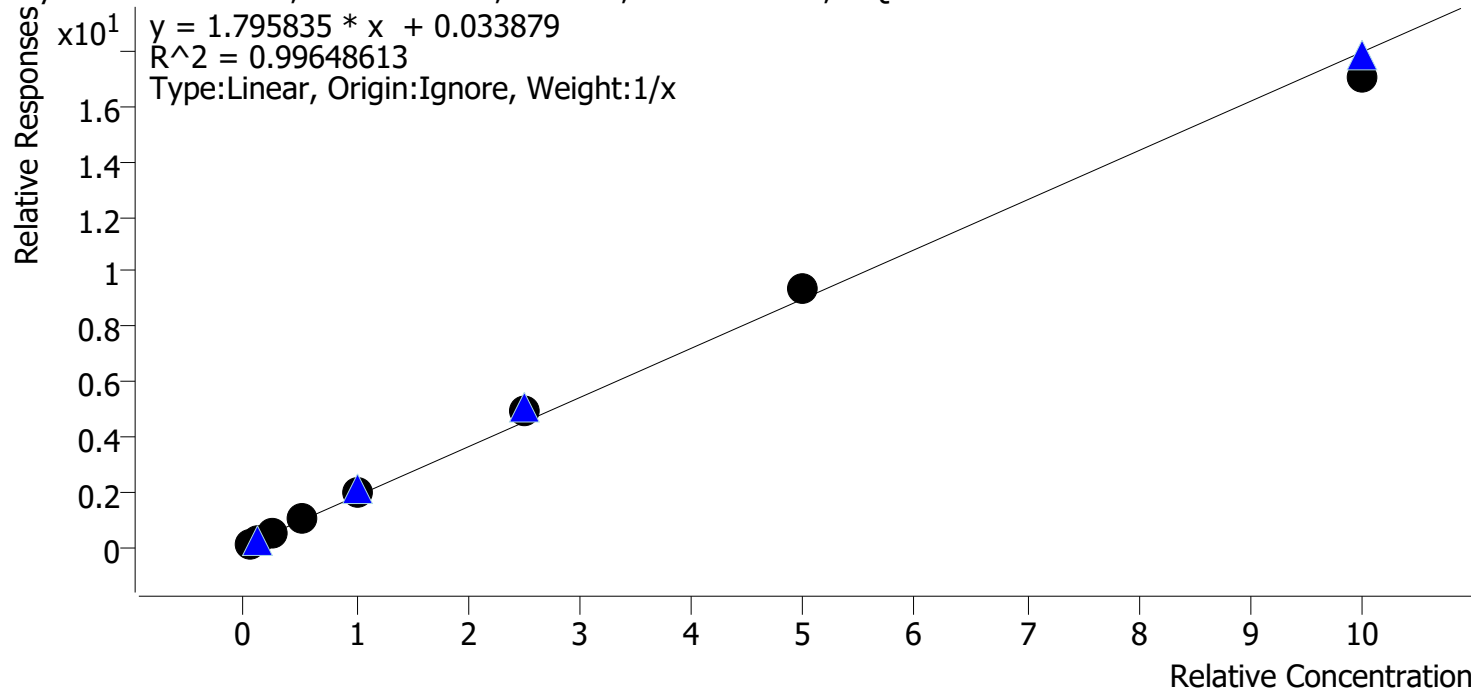


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.3	86.8
cal 2 mdq	2	✓	10.0	9.8	98.1
cal 3 mdq	3	✓	25.0	25.9	103.7
cal 4 mdq	4	✓	50.0	53.3	106.6
cal 5 mdq	5	✓	100.0	102.1	102.1
cal 6 mdq	6	✓	250.0	259.9	103.9
cal 7 mdq	7	✓	500.0	503.0	100.6
cal 8 mdq	8	✓	1000.0	981.6	98.2

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 28 reinject 5-5-20\QuantResults\mds2.batch.bin
Last Cal. Update 5/7/2020 12:18 PM
Analyst Name ISP\datastor
Analyte Oxycodone *BW*
Internal Standard Oxycodone-D6

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



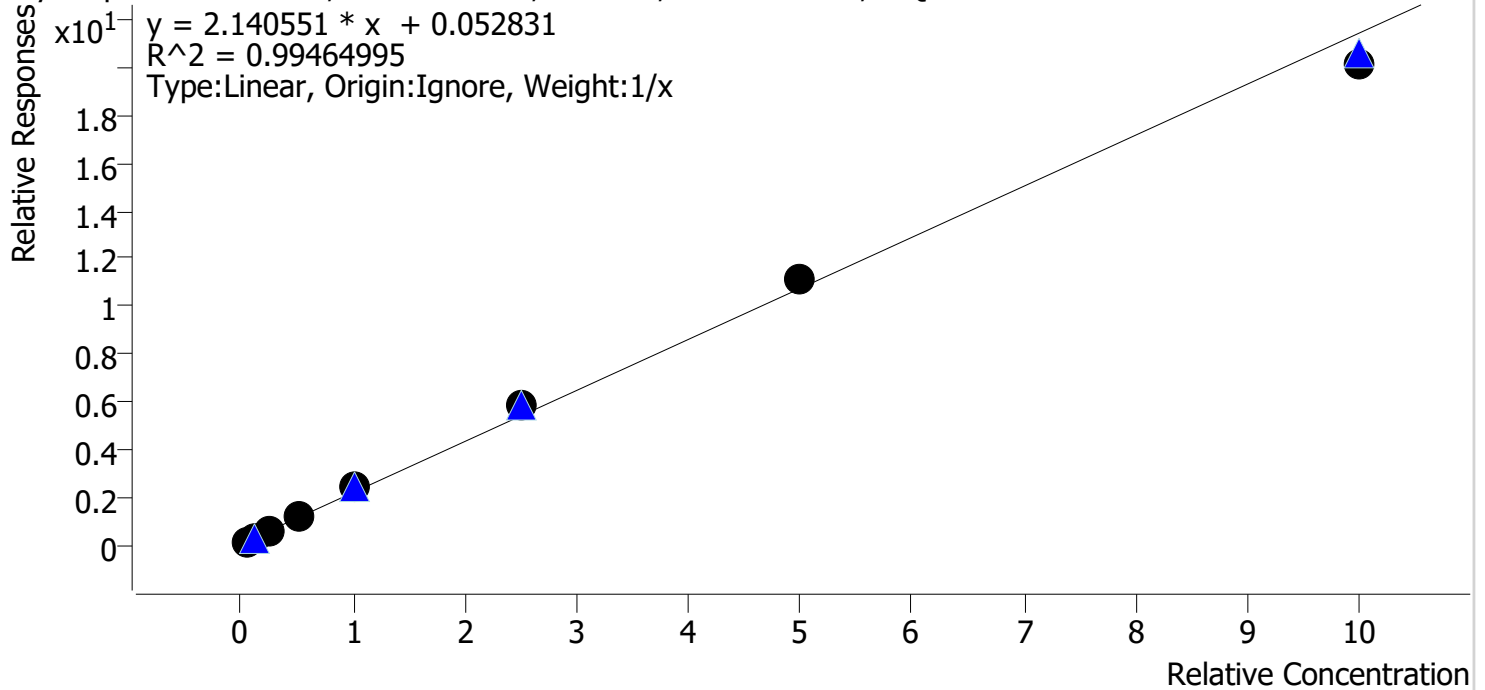
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.0	79.2
cal 2 mdq	2	✓	10.0	9.6	96.2
cal 3 mdq	3	✓	25.0	25.5	102.2
cal 4 mdq	4	✓	50.0	54.0	108.0
cal 5 mdq	5	✓	100.0	107.1	107.1
cal 6 mdq	6	✓	250.0	271.2	108.5
cal 7 mdq	7	✓	500.0	519.6	103.9
cal 8 mdq	8	✓	1000.0	949.0	94.9

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 28 reinject 5-5-20\QuantResults\mds2.batch.bin
Last Cal. Update 5/7/2020 12:18 PM
Analyst Name ISP\datastor
Analyte Oxymorphone *BW*

Internal Standard Oxymorphone-D3

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



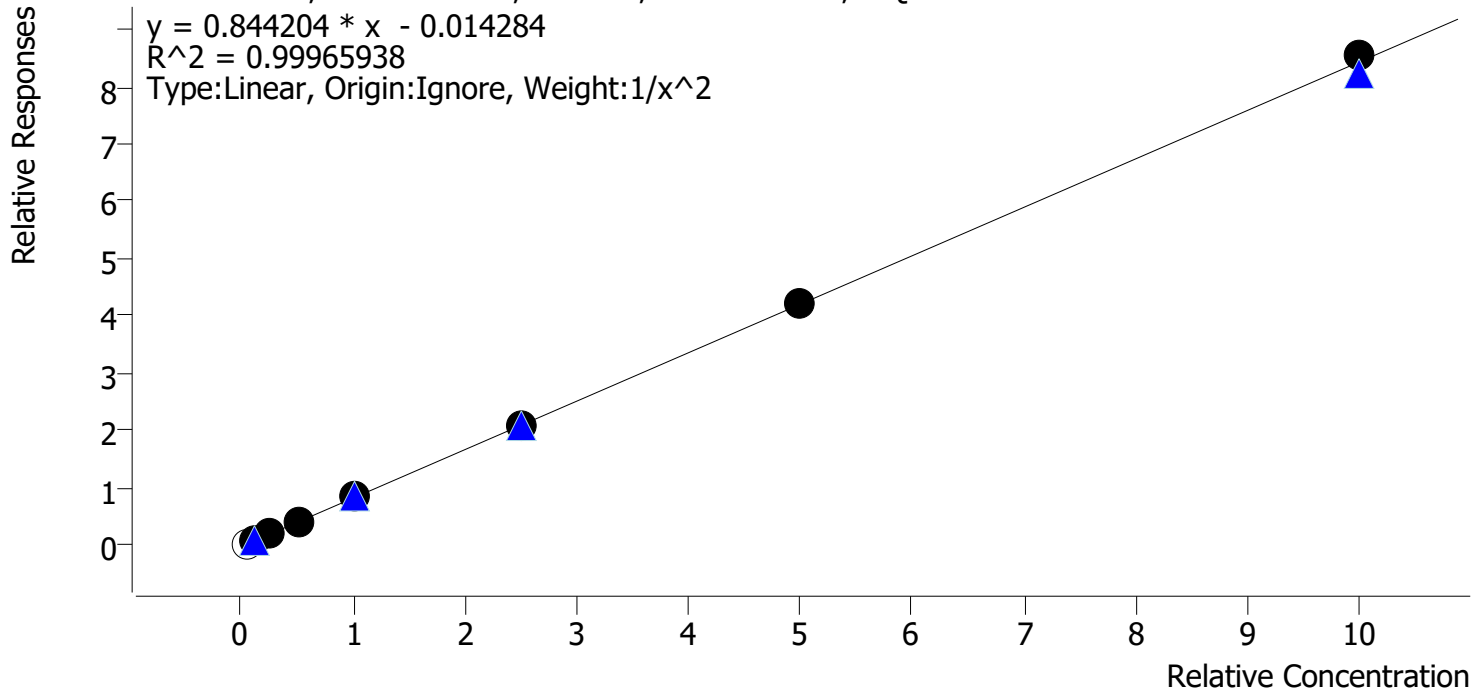
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	3.5	70.9
cal 2 mdq	2	✓	10.0	9.4	93.9
cal 3 mdq	3	✓	25.0	26.3	105.3
cal 4 mdq	4	✓	50.0	55.3	110.6
cal 5 mdq	5	✓	100.0	111.4	111.4
cal 6 mdq	6	✓	250.0	274.5	109.8
cal 7 mdq	7	✓	500.0	521.3	104.3
cal 8 mdq	8	✓	1000.0	938.2	93.8

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 28 reinject 5-5-20\QuantResults\mids2.batch.bin
Last Cal. Update 5/7/2020 12:18 PM
Analyst Name ISP\datastor
Analyte Phentermine **Internal Standard** Phentermine-D5

BW

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

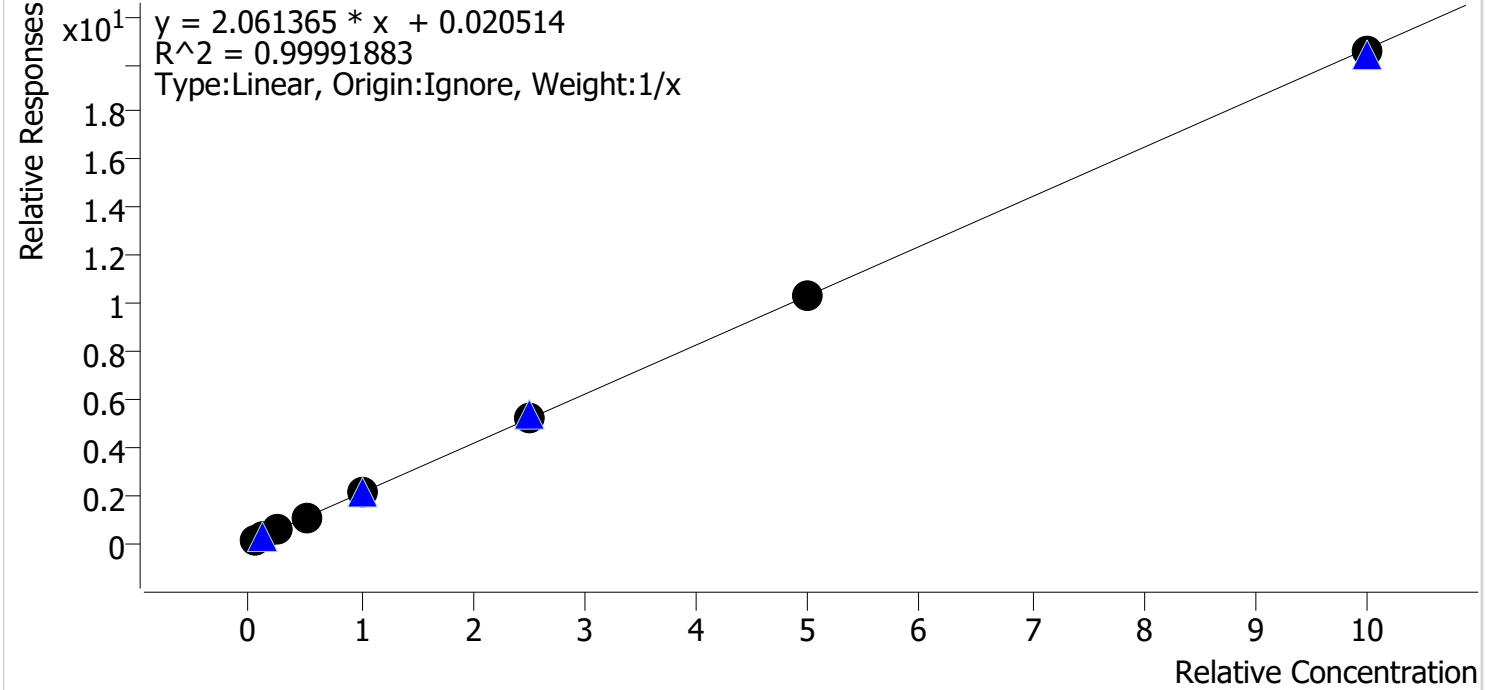


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	x	5.0	5.8	116.0
cal 2 mdq	2	✓	10.0	10.1	101.2
cal 3 mdq	3	✓	25.0	24.2	96.7
cal 4 mdq	4	✓	50.0	50.2	100.5
cal 5 mdq	5	✓	100.0	100.7	100.7
cal 6 mdq	6	✓	250.0	248.9	99.5
cal 7 mdq	7	✓	500.0	500.5	100.1
cal 8 mdq	8	✓	1000.0	1013.2	101.3

Compound Calibration Report

Batch results	D:\MassHunter\Data\2020 Data\am 28 reinject 5-5-20\QuantResults\mds2.batch.bin		
Last Cal. Update	5/7/2020 12:18 PM		
Analyst Name	ISP\datastor		<i>BW</i>
Analyte	Promethazine	Internal Standard	Promethazine-D3

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



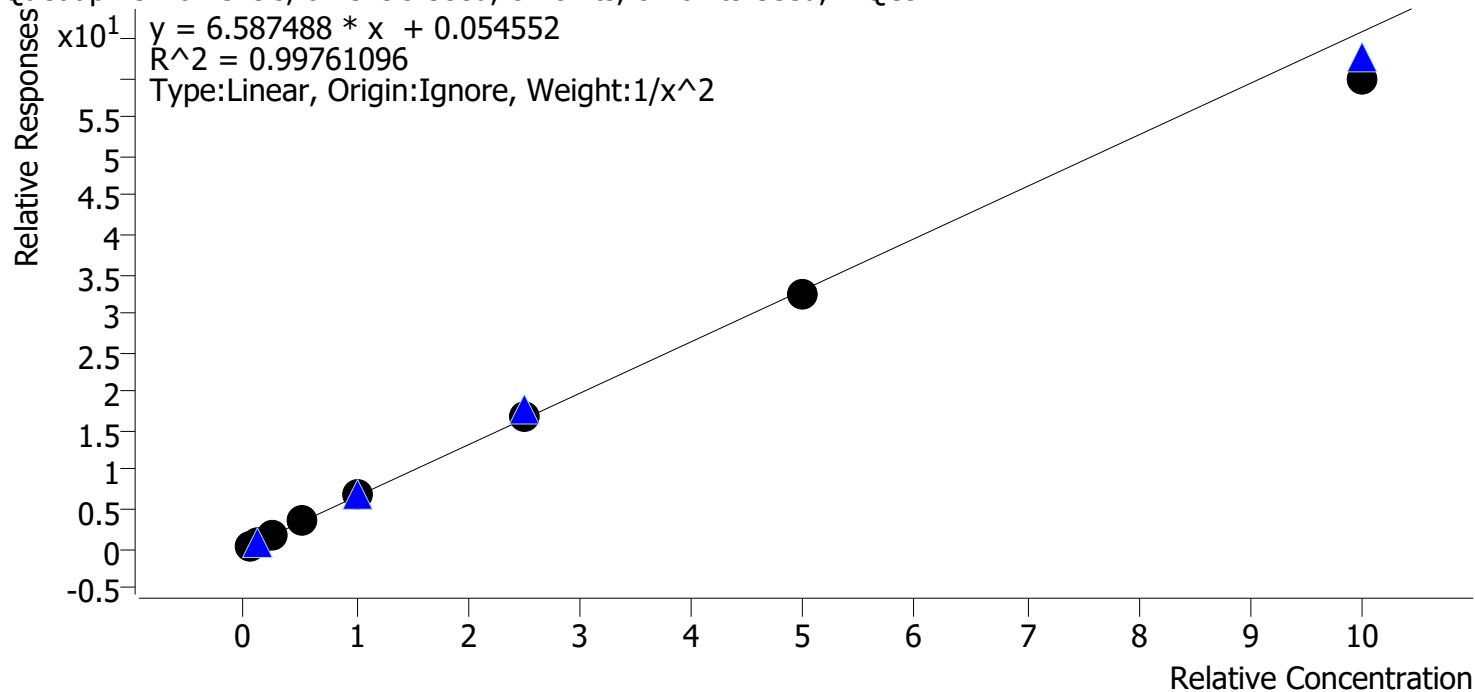
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.3
cal 2 mdq	2	✓	10.0	9.5	95.3
cal 3 mdq	3	✓	25.0	25.0	100.1
cal 4 mdq	4	✓	50.0	50.2	100.4
cal 5 mdq	5	✓	100.0	102.7	102.7
cal 6 mdq	6	✓	250.0	250.5	100.2
cal 7 mdq	7	✓	500.0	502.6	100.5
cal 8 mdq	8	✓	1000.0	994.3	99.4

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 28 reinject 5-5-20\QuantResults\mds2.batch.bin
Last Cal. Update 5/7/2020 12:18 PM
Analyst Name ISP\datastor
Analyte Quetiapine *BW*

Internal Standard Quetiapine-D8

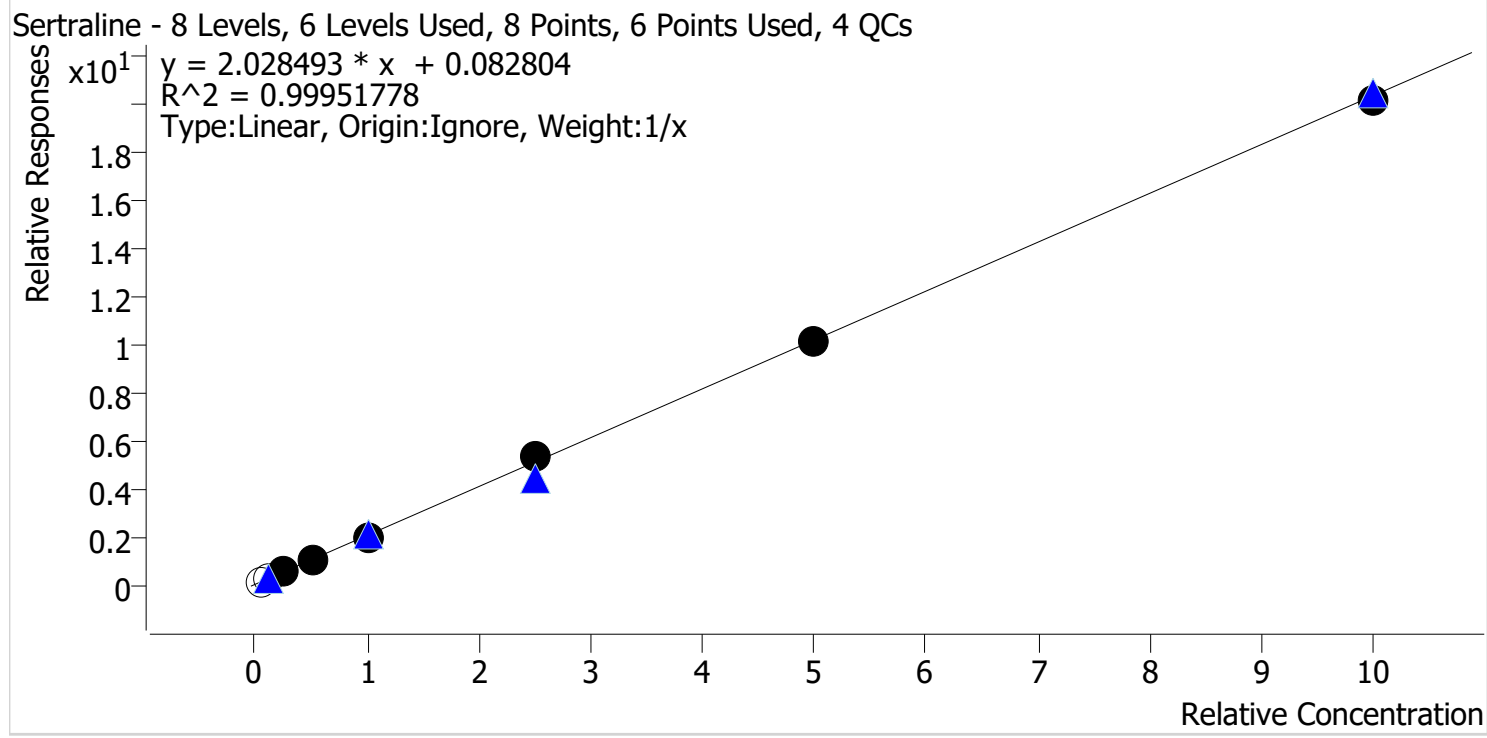
Quetiapine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	99.0
cal 2 mdq	2	✓	10.0	10.0	100.3
cal 3 mdq	3	✓	25.0	25.4	101.4
cal 4 mdq	4	✓	50.0	52.2	104.5
cal 5 mdq	5	✓	100.0	102.9	102.9
cal 6 mdq	6	✓	250.0	256.0	102.4
cal 7 mdq	7	✓	500.0	494.1	98.8
cal 8 mdq	8	✓	1000.0	906.6	90.7

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 28 reinject 5-5-20\QuantResults\mds2.batch.bin
Last Cal. Update 5/7/2020 12:18 PM
Analyst Name ISP\datastor
Analyte Sertraline *BW*
Internal Standard Sertraline-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	x	5.0	5.1	102.2
cal 2 mdq	2	x	10.0	14.7	147.3
cal 3 mdq	3	✓	25.0	24.9	99.5
cal 4 mdq	4	✓	50.0	49.3	98.7
cal 5 mdq	5	✓	100.0	98.0	98.0
cal 6 mdq	6	✓	250.0	262.1	104.9
cal 7 mdq	7	✓	500.0	498.4	99.7
cal 8 mdq	8	✓	1000.0	992.3	99.2

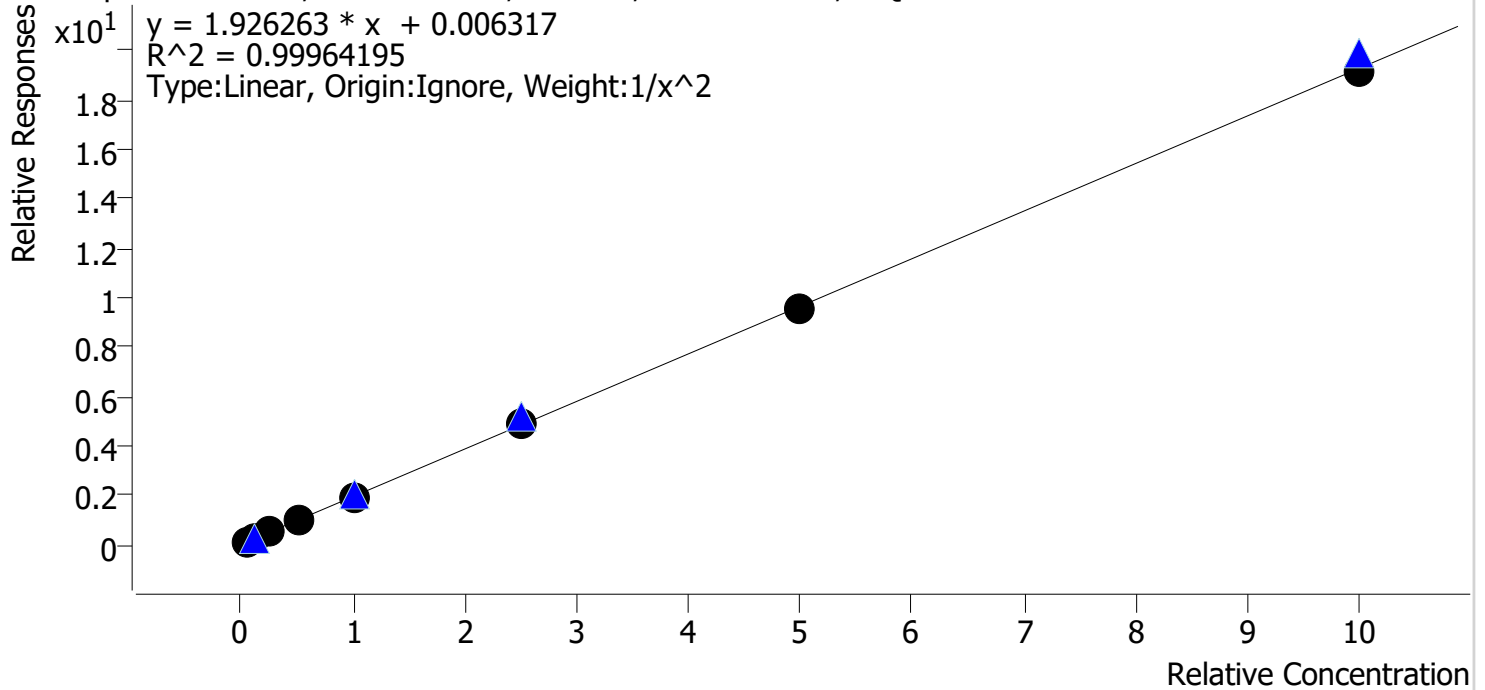
Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 28 reinject 5-5-20\QuantResults\mds2.batch.bin
Last Cal. Update 5/7/2020 12:18 PM
Analyst Name ISP\datastor
Analyte Temazepam *BW*

Internal Standard

Temazepam-D5

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



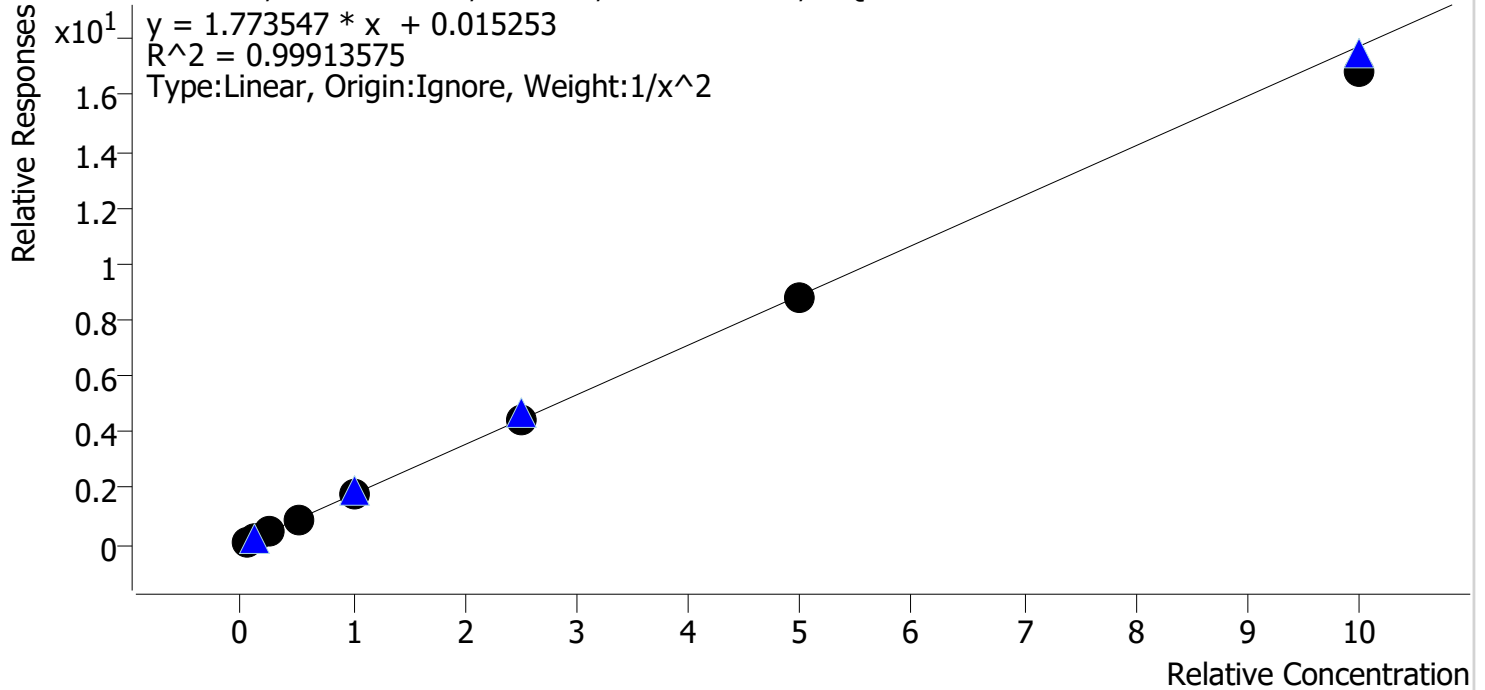
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.7
cal 2 mdq	2	✓	10.0	10.1	100.5
cal 3 mdq	3	✓	25.0	24.6	98.6
cal 4 mdq	4	✓	50.0	51.7	103.3
cal 5 mdq	5	✓	100.0	99.0	99.0
cal 6 mdq	6	✓	250.0	252.9	101.2
cal 7 mdq	7	✓	500.0	492.8	98.6
cal 8 mdq	8	✓	1000.0	990.6	99.1

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 28 reinject 5-5-20\QuantResults\mds2.batch.bin
Last Cal. Update 5/7/2020 12:18 PM
Analyst Name ISP\datastor
Analyte Tramadol *BW*

Internal Standard Tramadol-13C-D3

Tramadol - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 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	10.1	100.9
cal 3 mdq	3	✓	25.0	25.4	101.6
cal 4 mdq	4	✓	50.0	51.8	103.7
cal 5 mdq	5	✓	100.0	100.2	100.2
cal 6 mdq	6	✓	250.0	252.6	101.1
cal 7 mdq	7	✓	500.0	493.1	98.6
cal 8 mdq	8	✓	1000.0	950.6	95.1

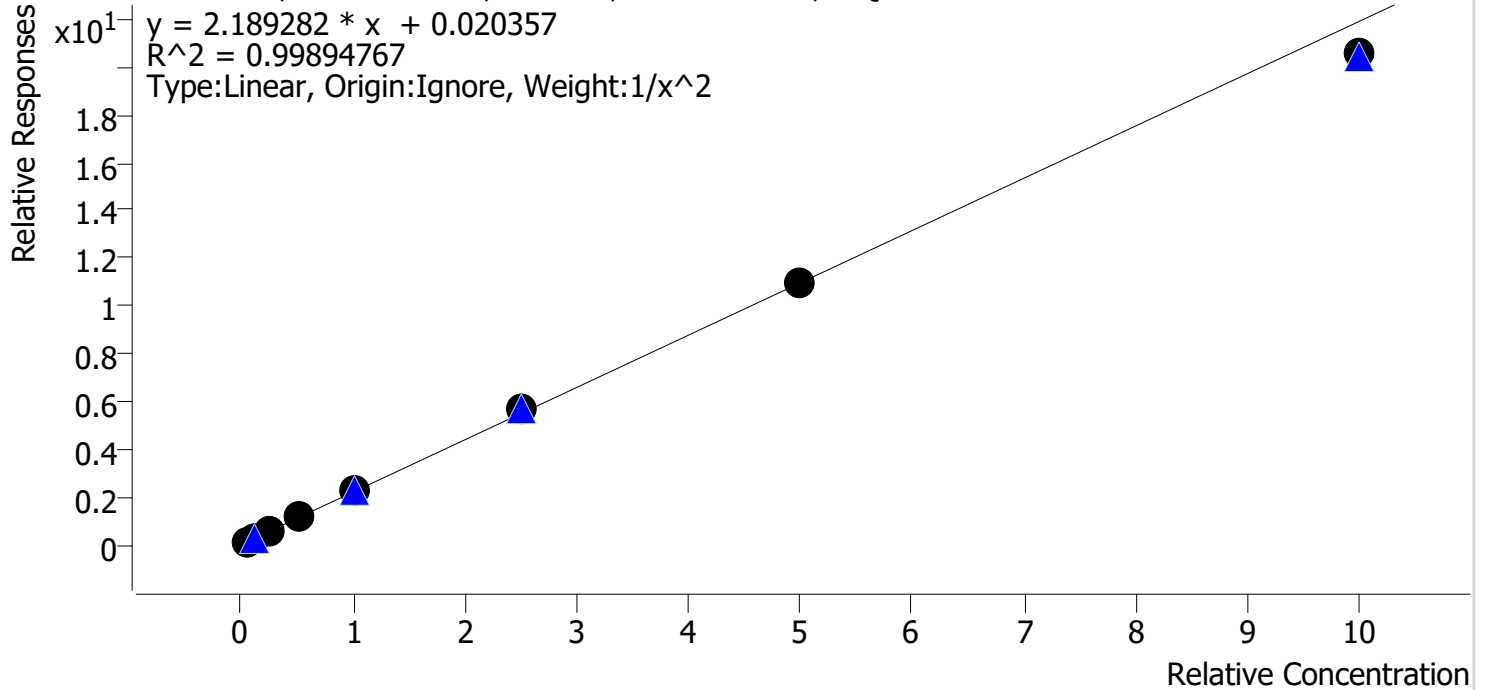
Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 28 reinject 5-5-20\QuantResults\mds2.batch.bin
Last Cal. Update 5/7/2020 12:18 PM
Analyst Name ISP\datastor
Analyte Trazodone

BW

Internal Standard Trazodone-D6

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



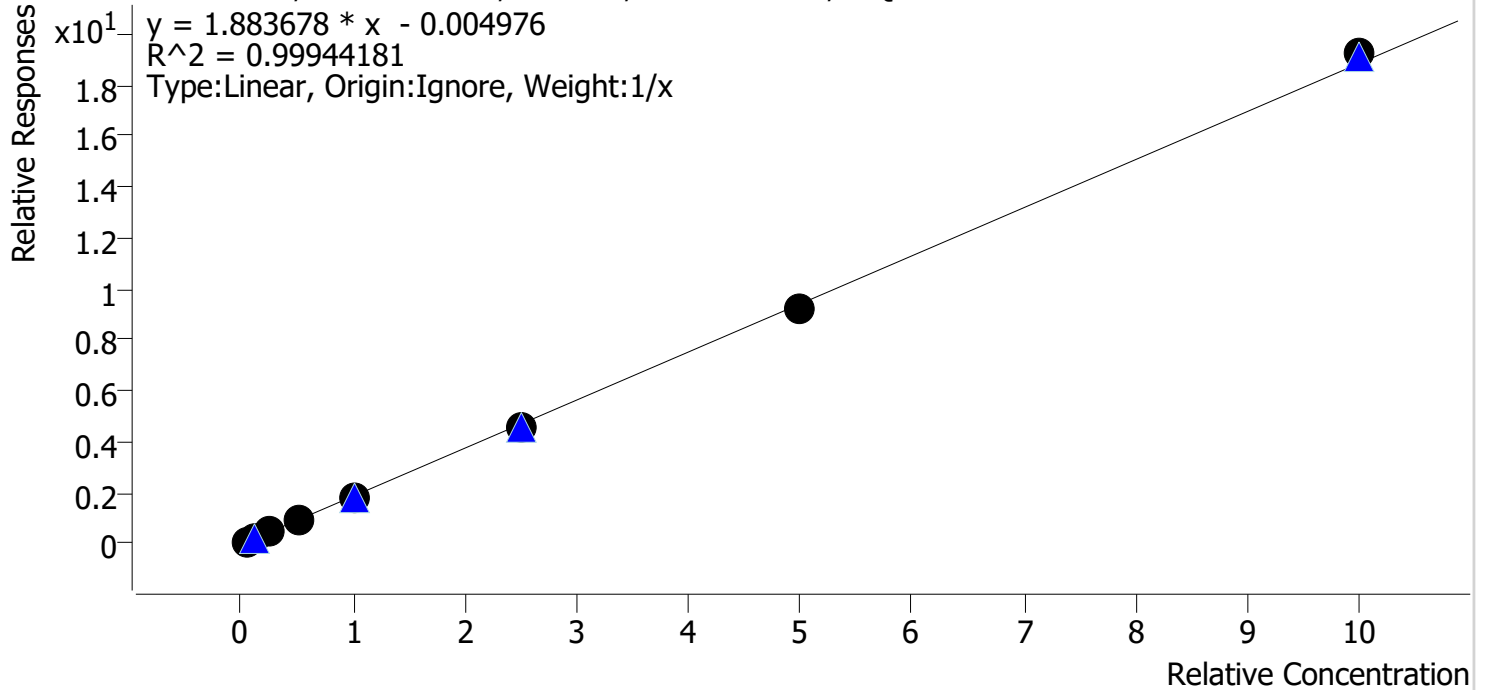
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.4
cal 2 mdq	2	✓	10.0	10.0	100.3
cal 3 mdq	3	✓	25.0	25.1	100.3
cal 4 mdq	4	✓	50.0	51.6	103.2
cal 5 mdq	5	✓	100.0	99.9	99.9
cal 6 mdq	6	✓	250.0	256.5	102.6
cal 7 mdq	7	✓	500.0	501.8	100.4
cal 8 mdq	8	✓	1000.0	938.4	93.8

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 28 reinject 5-5-20\QuantResults\mds2.batch.bin
Last Cal. Update 5/7/2020 12:18 PM
Analyst Name ISP\datastor
Analyte Venlafaxine *BW*

Internal Standard Venlafaxine-D6

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



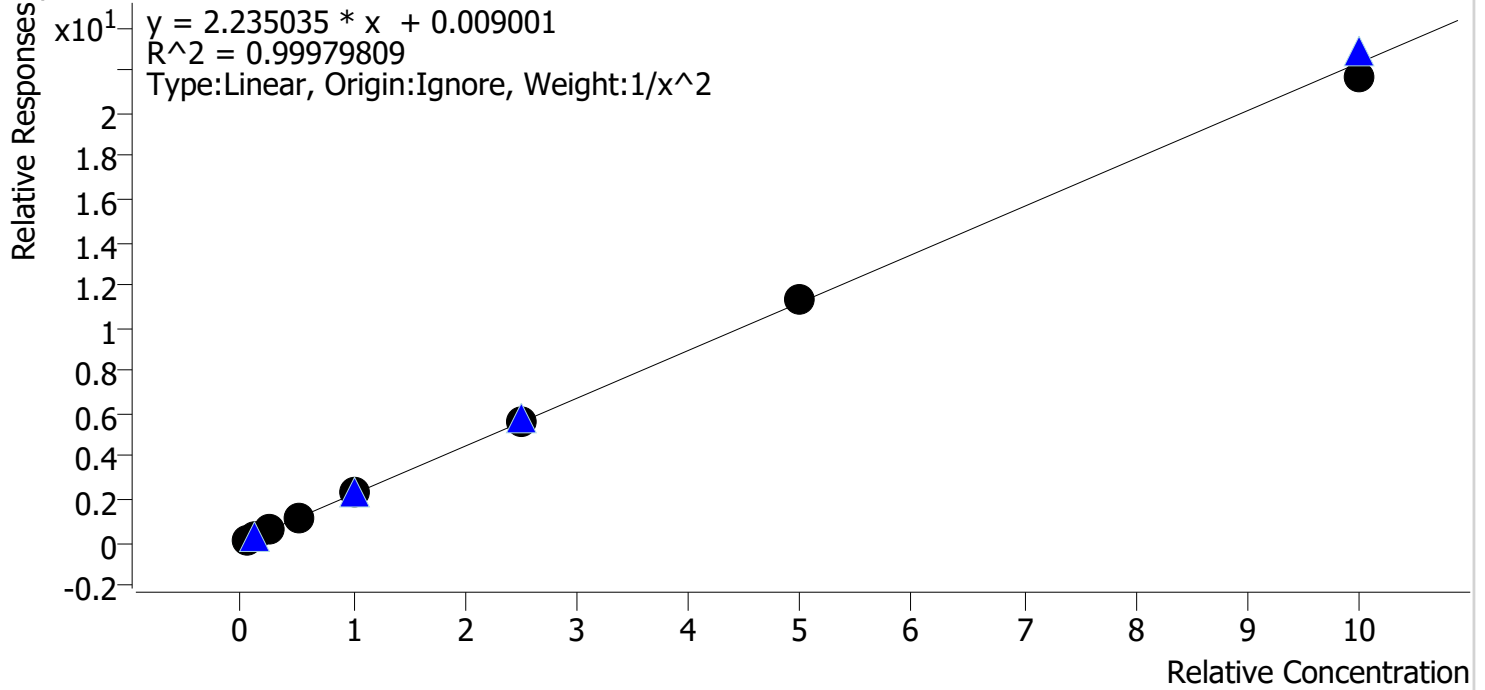
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.4	107.7
cal 2 mdq	2	✓	10.0	10.2	101.5
cal 3 mdq	3	✓	25.0	24.7	98.7
cal 4 mdq	4	✓	50.0	49.1	98.1
cal 5 mdq	5	✓	100.0	95.7	95.7
cal 6 mdq	6	✓	250.0	246.4	98.6
cal 7 mdq	7	✓	500.0	488.2	97.6
cal 8 mdq	8	✓	1000.0	1020.4	102.0

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 28 reinject 5-5-20\QuantResults\mids2.batch.bin
Last Cal. Update 5/7/2020 12:18 PM
Analyst Name ISP\datastor
Analyte Zolpidem *BW*

Internal Standard Zolpidem-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.6
cal 2 mdq	2	✓	10.0	10.0	100.1
cal 3 mdq	3	✓	25.0	25.4	101.7
cal 4 mdq	4	✓	50.0	50.3	100.5
cal 5 mdq	5	✓	100.0	100.4	100.4
cal 6 mdq	6	✓	250.0	249.2	99.7
cal 7 mdq	7	✓	500.0	503.4	100.7
cal 8 mdq	8	✓	1000.0	974.1	97.4

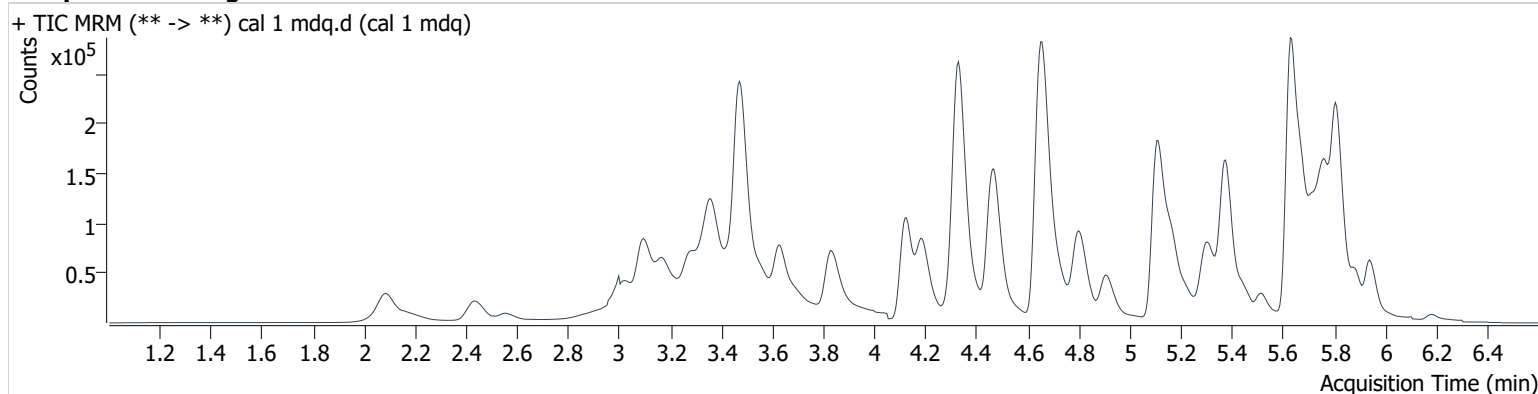
AM #28 Multi-Drug Quant. Results

BW

Batch results D:\MassHunter\Data\2020 Data\am 28 reinject 5-5-20\QuantResults\mds2.batch.bin
Calibration Last Update 5/7/2020 12:18:44 PM

Instrument	69679	Data File	cal 1 mdq.d
Type	Cal	Sample	cal 1 mdq
Acq. Method	mdq p1 cda 5520.m	Operator	Britany Wylie
Sample Position	P2-A1	Comment	
Injection Volume	2		
Acq. Date-Time	5/7/2020 12:36:40 AM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.596	933	247.8	61.2	1655.0	44302	0.511 ng/ml
7-aminoclonazepam	4.323	13885	3488.1	82.8	534.2	115516	4.961 ng/ml
a-hydroxyalprazolam	5.705	2952	414.2	63.2	5697.0	31931	4.839 ng/ml
alpha-PVP	4.724	38162	2785.2	53.3	944.7	310081	5.387 ng/ml
Alprazolam	5.774	22182	2595.1	105.5	1503.1	147382	4.976 ng/ml
Amphetamine	3.178	63990	734.8	39.2	405.2	133140	4.758 ng/ml
Benzoylcegonine	3.909	963	13.9	13.0 High	170.7	6050	6.328 ng/ml
Buprenorphine	6.217	282	51.3	12.5 Low	74.9	17721	0.661 ng/ml
Bupropion	5.222	28853	907.0	61.8	427.0	212791	5.040 ng/ml
Carisoprodol	5.729	19591	790.6	92.9 High	83.9	186481	4.436 ng/ml
Citalopram	5.296	15099	1176.3	43.6	152.7	104811	4.840 ng/ml
Clonazepam	5.623	17492	1059.9	38.1	787.2	60308	4.794 ng/ml
Cocaine	4.480	34852	67217.2	47.2	2590.5	531036	4.784 ng/ml
Codeine	3.506	4637	380.0	95.5	21581.4	43238	4.943 ng/ml
Cyclobenzaprine	5.672	3012	13680.2	8.3	396.3	18449	5.007 ng/ml
Dextromethorphan	5.345	7529	1925.4	64.8	1223.5	65787	5.077 ng/ml
Dextrorphan	4.191	10286	12237.7	214.4	573.6	226399	5.099 ng/ml
Diazepam	5.945	13012	1572.2	94.6	5464.3	128206	4.886 ng/ml
Dihydrocodeine	3.159	11804	7717.3	63.4	2254.2	125881	4.807 ng/ml
Diphenhydramine	5.382	45249	2125.4	35.1	1291.6	456198	5.427 ng/ml
Doxylamine	4.671	92093	8615.5	94.3	4318.5	741428	5.009 ng/ml
EDDP	5.308	6882	9711.9	223.9	735.3	129245	5.123 ng/ml
Fentanyl	5.524	734	38.5	80.1	690.6	63929	0.503 ng/ml
Fluoxetine	5.727	1369	71.7	9.7	578.3	7203	6.786 ng/ml
Hydrocodone	3.690	18606	2062.4	40.0	3219.6	188130	4.151 ng/ml
Hydromorphone	2.558	13715	272.9	71.9	305.1	103688	3.898 ng/ml
Ketamine	4.831	32133	2313.0	36.2	78.9	292496	4.965 ng/ml
Lamotrigine	4.483	2929	193.3	84.8	505.5	292496	4.943 ng/ml
Lorazepam	5.752	11482	542.3	56.8	60.2	128206	4.830 ng/ml
Meprobamate	4.929	15635	1985.7	27.4	86.8	135549	4.959 ng/ml
Methadone	5.675	23111	2407.4	49.6	1154.6	208196	5.350 ng/ml
Methamphetamine	3.341	94646	∞	41.6	102.8	166164	0.841 ng/ml
Metoprolol	4.389	7069	20121.8	102.5	826.6	741428	4.918 ng/ml

BW

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	5.449	32360	9436.8	45.9	2494.9	208196	4.882 ng/ml
Mitragynine	5.575	1904	3181.9	38.1	1775.4	208196	5.229 ng/ml
Morphine	2.221	2783	1998.7	20.8	1369.0	6582	4.536 ng/ml
Norbuprenorphine	5.098	29	8.0 Low	59.6 Low	70.1	3040	0.307 ng/ml
Nordiazepam	5.889	12796	5996.0	59.9	1844.7	79574	5.025 ng/ml
Norfentanyl	4.157	600	103.4	265.2	71.9	396321	0.497 ng/ml
Norhydrocodone	3.181	452	94.4	38.5	26.3	49106	5.119 ng/ml
Noroxycodone	3.038	17100	294.6	37.7	884.7	120872	4.408 ng/ml
O-desmethyl-tramadol	3.488	70731	53248.9	6.3	448.2	722554	5.021 ng/ml
Oxazepam	5.759	20871	825.8	71.1	229.7	217698	4.340 ng/ml
Oxycodone	3.423	31614	115.3	30.3	651.0	301018	3.962 ng/ml
Oxymorphone	2.163	20036	1399.3	45.4	8299.7	155681	3.544 ng/ml
Phentermine	3.862	7974	64.8	10.7 High	36.4	229966	5.799 ng/ml
Promethazine	5.640	4762	254.3	26.2	27.1	38118	5.065 ng/ml
Quetiapine	5.823	14503	35585.9	60.3	15005.8	38115	4.948 ng/ml
Sertraline	5.806	525	6.3 Low	97.5	∞	2815	5.111 ng/ml
Temazepam	5.816	36592	606.8	29.8	234.7	357487	4.986 ng/ml
Tramadol	4.344	83039	5524.2	3.3	86.8	806666	4.944 ng/ml
Trazodone	5.829	18339	58121.8	75.9	22762.5	141921	4.972 ng/ml
Venlafaxine	5.117	61036	279.2	39.9	733.7	632783	5.385 ng/ml
Zolpidem	5.639	84958	1824.3	29.8	35183.0	706437	4.978 ng/ml

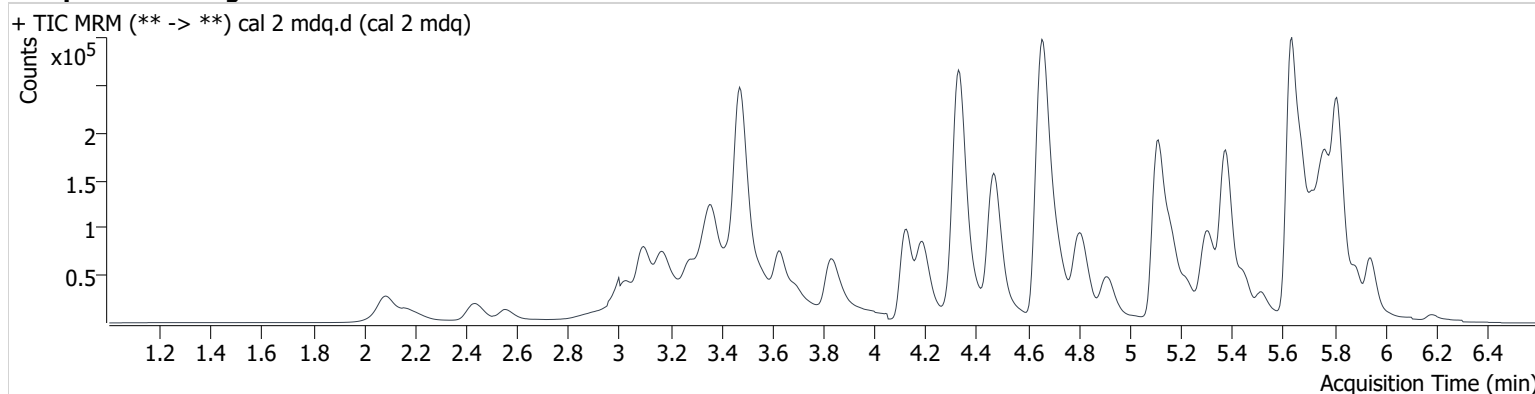
BW

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 28 reinject 5-5-20\QuantResults\mds2.batch.bin
Calibration Last Update 5/7/2020 12:18:44 PM

Instrument	69679	Data File	cal 2 mdq.d
Type	Cal	Sample	cal 2 mdq
Acq. Method	mdq p1 cda 5520.m	Operator	Britany Wylie
Sample Position	P2-B1	Comment	
Injection Volume	2		
Acq. Date-Time	5/7/2020 12:47:30 AM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.596	1541	387.3	68.7	3808.8	41367	0.986 ng/ml
7-aminoclonazepam	4.323	24631	6928.3	82.6	2202.0	112449	9.860 ng/ml
a-hydroxyalprazolam	5.705	5882	1189.7	59.9	8416.8	29838	10.466 ng/ml
alpha-PVP	4.724	71459	2126.6	52.4	2582.0	296737	10.284 ng/ml
Alprazolam	5.779	40153	11060.9	107.8	2405.5	139699	10.000 ng/ml
Amphetamine	3.178	88272	568.9	41.9	699.2	116940	10.510 ng/ml
Benzoylcegonine	3.909	1769	164.3	9.2	∞	5517	11.755 ng/ml
Buprenorphine	6.222	516	126.6	11.3 Low	128.3	18092	1.114 ng/ml
Bupropion	5.227	51681	3599.4	65.3	1008.2	207135	9.731 ng/ml
Carisoprodol	5.729	35296	3385.7	77.1	289.4	173345	9.575 ng/ml
Citalopram	5.296	25625	528.8	47.7	451.5	104177	9.697 ng/ml
Clonazepam	5.623	33711	2112.5	35.1	37291.9	57429	10.382 ng/ml
Cocaine	4.480	63678	96572.0	46.2	9969.0	503914	9.779 ng/ml
Codeine	3.506	7888	51231.7	106.1	46468.5	40900	9.862 ng/ml
Cyclobenzaprine	5.677	5735	13212.2	9.7	52.7	18095	11.096 ng/ml
Dextromethorphan	5.340	13538	218.4	76.7	1272.4	64739	9.731 ng/ml
Dextrorphan	4.191	18403	47983.9	217.9	9338.2	213322	9.874 ng/ml
Diazepam	5.950	25154	3323.9	87.9	3877.3	122022	10.015 ng/ml
Dihydrocodeine	3.160	21401	3260.9	63.6	13994.7	116614	10.243 ng/ml
Diphenhydramine	5.382	85287	803.0	34.0	1631.0	461464	10.100 ng/ml
Doxylamine	4.671	168203	8444.7	95.5	9867.2	700279	9.999 ng/ml
EDDP	5.308	13529	25016.6	239.9	706.7	148764	9.554 ng/ml
Fentanyl	5.524	1395	118.5	66.9	2731.9	67315	1.033 ng/ml
Fluoxetine	5.727	2497	2944.9	7.0	130.6	7757	12.623 ng/ml
Hydrocodone	3.690	33615	3890.9	36.5	3945.8	187562	9.220 ng/ml
Hydromorphone	2.558	27425	18465.5	70.6	159.8	99265	9.940 ng/ml
Ketamine	4.831	58444	1769.6	38.4	388.4	277096	10.080 ng/ml
Lamotrigine	4.483	5420	668.6	89.1	3115.3	277096	10.301 ng/ml
Lorazepam	5.752	22051	1675.1	57.7	145.3	122022	10.563 ng/ml
Meprobamate	4.929	28486	1202.5	28.6	146.3	126142	10.082 ng/ml
Methadone	5.680	43124	2571.8	47.8	1425.1	202889	10.312 ng/ml
Methamphetamine	3.341	104914	∞	41.3	∞	137434	10.324 ng/ml
Metoprolol	4.389	12207	1778.9	102.9	234.7	700279	9.943 ng/ml

AM #28 Multi-Drug Quant. Results

BW

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	5.449	63108	5125.3	45.7	1280.1	202889	10.189 ng/ml
Mitragynine	5.575	3081	10556.1	44.2	3196.4	202889	8.924 ng/ml
Morphine	2.216	5151	9596.8	18.3	439.9	5063	11.886 ng/ml
Norbuprenorphine	5.073	34	1.6 Low	119.7 High	103.2	3102	0.394 ng/ml
Nordiazepam	5.894	22508	45785.8	60.8	9048.0	73522	9.914 ng/ml
Norfentanyl	4.152	1121	197.3	271.0	160.1	370161	1.025 ng/ml
Norhydrocodone	3.181	840	159.1	39.1	117.3	44488	9.846 ng/ml
Noroxycodone	3.033	30685	1076.1	38.8	1377.1	112233	9.716 ng/ml
O-desmethyl-tramadol	3.488	127709	12702.1	6.5	925.2	677540	9.996 ng/ml
Oxazepam	5.759	38224	1343.2	72.7	284.9	203001	9.809 ng/ml
Oxycodone	3.428	58708	2462.8	29.2	54439.1	284093	9.621 ng/ml
Oxymorphone	2.163	36970	2090.8	45.2	11743.4	145679	9.387 ng/ml
Phentermine	3.862	14713	58.9	7.3	94.6	206883	10.116 ng/ml
Promethazine	5.645	8361	464.8	33.6	74.6	38542	9.529 ng/ml
Quetiapine	5.823	26489	8245.9	59.6	18374.1	37020	10.034 ng/ml
Sertraline	5.806	1126	58.2	81.6	560.8	2951	14.735 ng/ml
Temazepam	5.816	67662	1406.8	30.5	323.0	338314	10.055 ng/ml
Tramadol	4.344	148869	54976.0	3.9	228.4	766893	10.085 ng/ml
Trazodone	5.829	33216	67106.0	78.1	62190.1	138453	10.029 ng/ml
Venlafaxine	5.117	112404	5252.5	38.5	1141.4	603380	10.154 ng/ml
Zolpidem	5.639	152409	23823.1	29.3	6454.4	654906	10.010 ng/ml

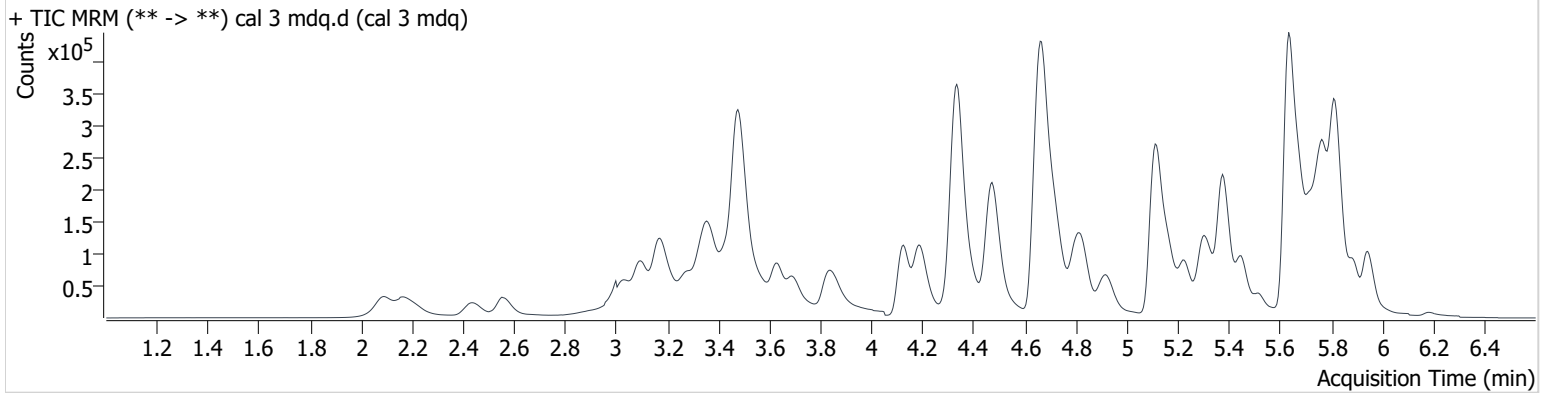
BW

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 28 reinject 5-5-20\QuantResults\mds2.batch.bin
Calibration Last Update 5/7/2020 12:18:44 PM

Instrument	69679	Data File	cal 3 mdq.d
Type	Cal	Sample	cal 3 mdq
Acq. Method	mdq p1 cda 5520.m	Operator	Britany Wylie
Sample Position	P2-C1	Comment	
Injection Volume	2		
Acq. Date-Time	5/7/2020 12:58:19 AM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.596	3796	6854.5	76.5	1536.7	45185	2.357 ng/ml
7-aminoclonazepam	4.323	70405	17570.5	84.6	5863.7	130459	25.753 ng/ml
a-hydroxyalprazolam	5.705	15112	3306.0	61.9	17634.4	31380	25.755 ng/ml
alpha-PVP	4.724	192479	1570.2	53.1	3591.2	331216	24.439 ng/ml
Alprazolam	5.779	106061	6279.5	107.5	7150.3	149504	25.483 ng/ml
Amphetamine	3.178	189206	1684.2	46.9	1190.7	122589	27.052 ng/ml
Benzoylcegonine	3.909	4264	478.0	6.8	111.4	6389	23.407 ng/ml
Buprenorphine	6.217	1147	169.5	16.8	524.0	17492	2.443 ng/ml
Bupropion	5.232	140965	806.8	64.3	5441.2	225096	25.245 ng/ml
Carisoprodol	5.729	92741	12561.8	67.3	744.8	187681	24.724 ng/ml
Citalopram	5.296	57551	2757.9	44.4	55368.1	97969	25.970 ng/ml
Clonazepam	5.623	87429	5677.7	34.6	112175.1	59899	26.802 ng/ml
Cocaine	4.480	174624	50233.2	45.0	526.3	549415	25.527 ng/ml
Codeine	3.511	21415	437.7	101.2	7771.2	44701	26.309 ng/ml
Cyclobenzaprine	5.672	11957	13420.3	9.0	153.9	18351	24.361 ng/ml
Dextromethorphan	5.340	30770	50049.5	75.3	64727.6	59056	25.066 ng/ml
Dextrorphan	4.191	48461	134050.0	214.6	9231.2	223617	25.128 ng/ml
Diazepam	5.945	69485	6846.3	85.8	4020.2	133673	25.386 ng/ml
Dihydrocodeine	3.159	58756	2592.3	63.1	2925.4	126959	27.158 ng/ml
Diphenhydramine	5.382	197823	10475.5	34.4	9669.9	442352	24.420 ng/ml
Doxylamine	4.671	449638	12639.2	95.8	27687.1	776890	24.567 ng/ml
EDDP	5.308	32481	584.7	235.6	2301.4	148061	24.648 ng/ml
Fentanyl	5.529	2944	156.8	69.2	2782.0	64304	2.470 ng/ml
Fluoxetine	5.727	4770	3810.1	9.1	617.8	7534	26.396 ng/ml
Hydrocodone	3.690	90468	1661.4	36.8	9580.7	210188	25.074 ng/ml
Hydromorphone	2.558	71432	17384.7	76.8	935.2	110564	25.453 ng/ml
Ketamine	4.831	156486	3287.2	37.7	665.1	311621	24.823 ng/ml
Lamotrigine	4.483	13643	424.2	93.9	2005.2	311621	23.894 ng/ml
Lorazepam	5.752	56968	3473.4	56.8	330.0	133673	26.002 ng/ml
Meprobamate	4.934	75690	23401.4	29.2	1766.4	137766	25.084 ng/ml
Methadone	5.680	97875	4114.3	46.4	3112.4	192117	24.823 ng/ml
Methamphetamine	3.340	150343	∞	40.4	87.8	146598	23.153 ng/ml
Metoprolol	4.395	33490	10256.6	97.6	80.4	776890	26.278 ng/ml

BW

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	5.449	151765	311560.7	45.8	19345.2	192117	26.522 ng/ml
Mitragynine	5.575	8262	1342.2	39.9	3969.7	192117	25.940 ng/ml
Morphine	2.221	13000	4369.3	20.1	10048.2	6643	23.494 ng/ml
Norbuprenorphine	5.073	127	46.7	100.8	274.1	2929	2.456 ng/ml
Nordiazepam	5.894	60458	48718.6	60.0	88907.6	80668	24.828 ng/ml
Norfentanyl	4.147	2898	547.5	294.8	250.7	420801	2.369 ng/ml
Norhydrocodone	3.181	2283	150.0	40.9	229.6	50475	22.724 ng/ml
Noroxycodone	3.038	82585	1794.2	45.5	6647.0	126176	25.047 ng/ml
O-desmethyl-tramadol	3.488	342113	20255.2	6.7	3413.7	751081	24.659 ng/ml
Oxazepam	5.759	99162	3409.8	69.0	540.0	215238	25.928 ng/ml
Oxycodone	3.428	156376	8373.8	30.4	1235.0	317509	25.538 ng/ml
Oxymorphone	2.163	99832	140.6	44.8	17928.5	161966	26.327 ng/ml
Phentermine	3.867	40666	133.1	7.0	122.7	214288	24.171 ng/ml
Promethazine	5.645	19567	1904.5	31.9	390.5	36473	25.031 ng/ml
Quetiapine	5.823	63474	169770.9	60.7	61495.0	36805	25.352 ng/ml
Sertraline	5.806	1727	108.1	107.1	3942.5	2938	24.887 ng/ml
Temazepam	5.816	177444	7192.3	30.7	720.2	368815	24.649 ng/ml
Tramadol	4.344	393460	66092.3	3.6	253.5	844485	25.410 ng/ml
Trazodone	5.829	79669	141565.6	79.8	110974.5	139877	25.086 ng/ml
Venlafaxine	5.117	303978	12087.7	39.1	298.1	660798	24.685 ng/ml
Zolpidem	5.639	418869	801282.0	28.5	3606.5	725967	25.413 ng/ml

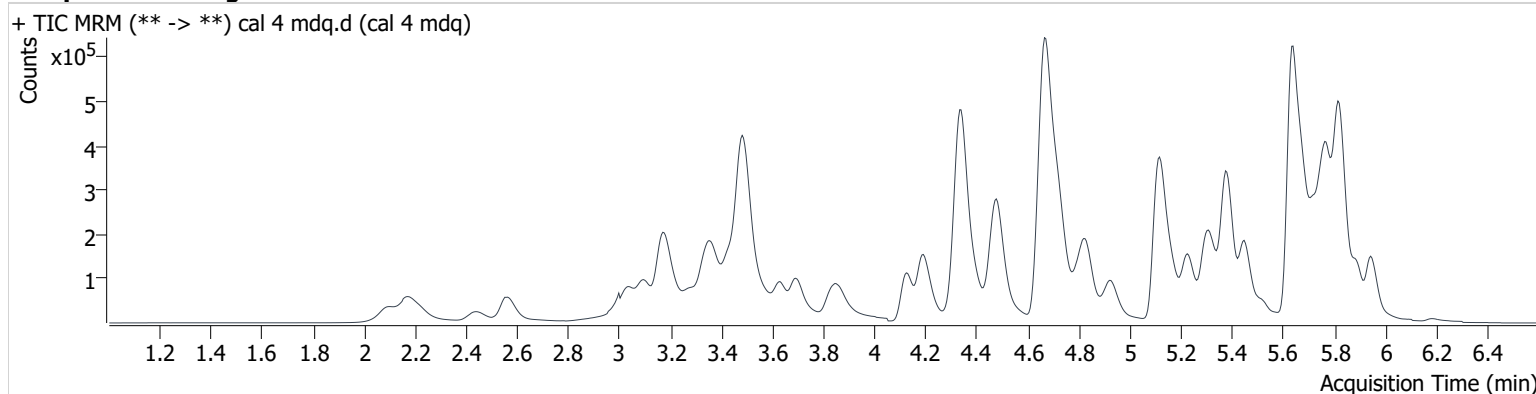
AM #28 Multi-Drug Quant. Results

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Batch results D:\MassHunter\Data\2020 Data\am 28 reinject 5-5-20\QuantResults\mds2.batch.bin
Calibration Last Update 5/7/2020 12:18:44 PM

Instrument	69679	Data File	cal 4 mdq.d
Type	Cal	Sample	cal 4 mdq
Acq. Method	mdq p1 cda 5520.m	Operator	Britany Wylie
Sample Position	P2-D1	Comment	
Injection Volume	2		
Acq. Date-Time	5/7/2020 1:09:07 AM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.596	7708	5061.2	77.8	282.6	44767	4.943 ng/ml
7-aminoclonazepam	4.323	140235	10080.7	84.5	17369.4	127486	53.527 ng/ml
a-hydroxyalprazolam	5.705	29708	5723.3	60.3	47743.3	30451	52.309 ng/ml
alpha-PVP	4.724	386045	124501.6	53.0	4095.7	329239	49.039 ng/ml
Alprazolam	5.779	200784	2742.0	109.3	8955.8	148614	49.024 ng/ml
Amphetamine	3.183	365013	4907.8	49.9	2986.8	129929	53.607 ng/ml
Benzoylcegonine	3.909	8635	1003.1	9.0	266.2	6408	46.263 ng/ml
Buprenorphine	6.222	2677	231.6	16.3	308.6	18749	5.213 ng/ml
Bupropion	5.232	286395	42132.9	62.9	8577.5	226209	51.594 ng/ml
Carisoprodol	5.729	179901	4077.9	65.5	2739.3	180431	50.948 ng/ml
Citalopram	5.296	123721	7918.6	45.8	179338.2	110675	51.248 ng/ml
Clonazepam	5.623	168373	17871.5	35.4	194307.9	59030	53.008 ng/ml
Cocaine	4.480	349397	564710.1	45.6	5670.9	551048	51.537 ng/ml
Codeine	3.511	42169	7472.8	105.4	71741.4	44041	53.800 ng/ml
Cyclobenzaprine	5.672	25489	63080.2	9.4	312.8	19693	49.835 ng/ml
Dextromethorphan	5.345	69238	969.1	73.3	94777.8	69242	48.612 ng/ml
Dextrorphan	4.191	97502	118023.7	216.6	1905.8	224874	50.487 ng/ml
Diazepam	5.950	133398	4936.4	88.8	11220.9	129766	50.289 ng/ml
Dihydrocodeine	3.165	116047	30707.1	63.2	4214.7	128656	53.758 ng/ml
Diphenhydramine	5.382	442342	87148.6	34.6	24808.5	493076	48.974 ng/ml
Doxylamine	4.676	927564	23655.9	94.8	306053.6	774713	51.181 ng/ml
EDDP	5.309	76823	158737.0	232.6	19991.3	175231	50.391 ng/ml
Fentanyl	5.529	6600	171.3	75.5	11594.0	71616	5.131 ng/ml
Fluoxetine	5.727	8520	19080.9	10.0	190.0	7198	50.757 ng/ml
Hydrocodone	3.695	180674	77870.8	38.4	529.3	206632	53.094 ng/ml
Hydromorphone	2.563	146696	14346.3	71.6	689.0	110115	54.238 ng/ml
Ketamine	4.831	317518	5676.3	37.6	532.7	304896	52.119 ng/ml
Lamotrigine	4.483	28984	2185.4	89.0	3841.8	304896	52.677 ng/ml
Lorazepam	5.752	106886	4200.9	58.4	388.2	129766	51.004 ng/ml
Meprobamate	4.934	152603	31954.9	29.1	2354.1	135137	51.968 ng/ml
Methadone	5.680	217696	354317.1	47.4	6484.0	220000	48.284 ng/ml
Methamphetamine	3.340	222761	193.2	42.5	∞	143500	48.933 ng/ml
Metoprolol	4.395	67158	3173.2	96.4	4534.3	774713	54.005 ng/ml

AM #28 Multi-Drug Quant. Results

BW

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	5.449	330190	165011.9	45.9	38489.2	220000	50.767 ng/ml
Mitragynine	5.575	18204	58058.3	40.0	19006.7	220000	50.246 ng/ml
Morphine	2.221	25879	14824.5	17.9	102.0	5581	56.622 ng/ml
Norbuprenorphine	5.098	287	654.3	85.7	997.1	3255	5.314 ng/ml
Nordiazepam	5.894	118392	140320.4	61.3	11325.5	78055	50.641 ng/ml
Norfentanyl	4.152	6084	1232.5	281.9	142.7	408984	5.152 ng/ml
Norhydrocodone	3.191	4897	167.9	35.4	153.1	47627	50.853 ng/ml
Noroxycodone	3.038	168675	127.2	39.1	135.0	124680	53.138 ng/ml
O-desmethyl-tramadol	3.493	684998	75780.5	6.5	2406.7	735388	50.799 ng/ml
Oxazepam	5.759	190092	6994.4	71.6	2361.2	205970	53.277 ng/ml
Oxycodone	3.428	316412	6060.9	29.5	121.5	315211	54.010 ng/ml
Oxymorphone	2.168	200521	26046.4	44.9	65984.3	162094	55.324 ng/ml
Phentermine	3.867	90454	263.4	6.6	197.6	220756	50.229 ng/ml
Promethazine	5.645	41755	2334.8	32.7	896.1	39554	50.216 ng/ml
Quetiapine	5.823	141526	4206.3	59.1	12321.1	40478	52.248 ng/ml
Sertraline	5.806	3053	211.6	96.5	6489.8	2817	49.346 ng/ml
Temazepam	5.821	352031	15928.9	30.0	1487.5	351430	51.675 ng/ml
Tramadol	4.344	783279	219806.2	3.5	979.3	838122	51.835 ng/ml
Trazodone	5.829	176230	409397.9	79.1	39075.1	153268	51.591 ng/ml
Venlafaxine	5.122	606072	26574.3	39.8	4105.1	659498	49.051 ng/ml
Zolpidem	5.639	809712	70291.2	30.2	12504.1	715048	50.263 ng/ml

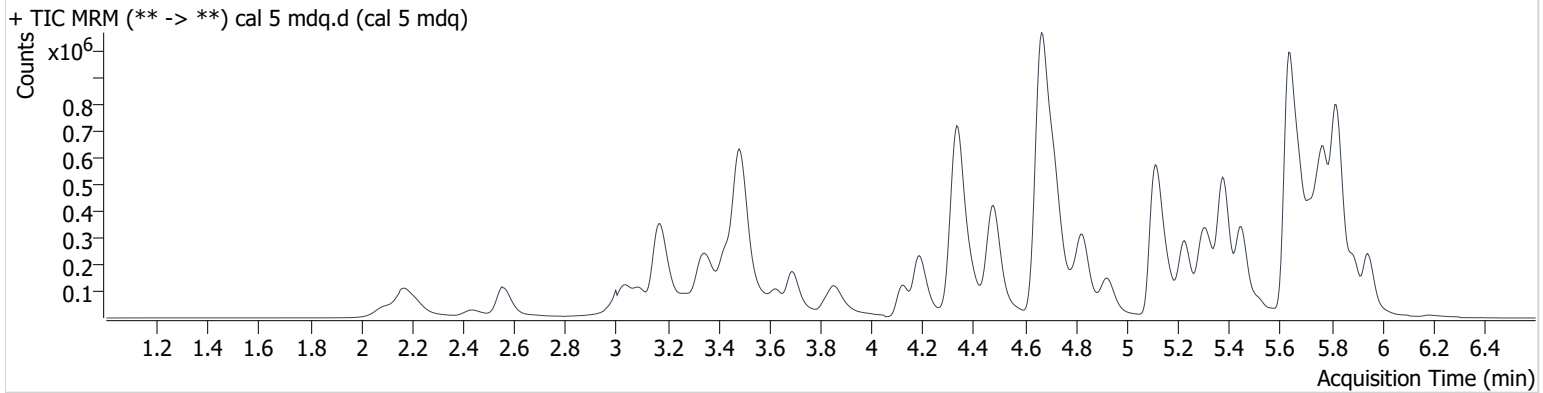
AM #28 Multi-Drug Quant. Results

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Batch results D:\MassHunter\Data\2020 Data\am 28 reinject 5-5-20\QuantResults\mds2.batch.bin
Calibration Last Update 5/7/2020 12:18:44 PM

Instrument	69679	Data File	cal 5 mdq.d
Type	Cal	Sample	cal 5 mdq
Acq. Method	mdq p1 cda 5520.m	Operator	Britany Wylie
Sample Position	P2-E1	Comment	
Injection Volume	2		
Acq. Date-Time	5/7/2020 1:19:56 AM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.596	15121	8612.1	74.6	7036.1	45911	9.553 ng/ml
7-aminoclonazepam	4.317	285457	6132.2	84.6	12224.5	134424	104.263 ng/ml
a-hydroxyalprazolam	5.700	56350	4386.4	62.1	69747.5	30874	97.971 ng/ml
alpha-PVP	4.724	770552	24276.3	52.9	5664.6	332418	96.685 ng/ml
Alprazolam	5.779	395909	51389.5	109.4	30683.7	145743	99.122 ng/ml
Amphetamine	3.178	681716	5964.8	51.1	6530.1	132424	102.665 ng/ml
Benzoylcegonine	3.904	17615	2491.7	8.1	143.5	6295	95.018 ng/ml
Buprenorphine	6.217	5270	2027.5	15.8	1442.0	18831	10.129 ng/ml
Bupropion	5.227	576213	62733.1	62.5	3038.0	233723	100.982 ng/ml
Carisoprodol	5.724	335741	13150.9	64.0	1212.4	175614	98.645 ng/ml
Citalopram	5.296	238190	16144.2	46.2	154332.7	112082	99.251 ng/ml
Clonazepam	5.623	321968	35682.8	35.0	270890.3	57173	105.303 ng/ml
Cocaine	4.480	687562	180733.5	45.8	10310.5	560661	100.252 ng/ml
Codeine	3.511	80553	284.5	107.2	149355.5	44874	101.928 ng/ml
Cyclobenzaprine	5.672	50268	119326.1	8.8	3701.2	20484	95.802 ng/ml
Dextromethorphan	5.340	140630	163414.6	75.1	2024.3	68567	100.286 ng/ml
Dextrorphan	4.191	193840	19961.0	216.3	159051.0	231765	97.585 ng/ml
Diazepam	5.945	265902	5105.2	86.8	9656.9	129198	100.770 ng/ml
Dihydrocodeine	3.159	230978	11885.9	63.5	11168.0	131780	105.283 ng/ml
Diphenhydramine	5.382	868306	45327.6	34.5	22670.3	495356	95.680 ng/ml
Doxylamine	4.671	1841110	189131.4	95.6	222667.1	801640	98.484 ng/ml
EDDP	5.308	155486	2416.8	236.3	11165.5	183140	98.648 ng/ml
Fentanyl	5.519	12943	956.8	72.3	36214.8	76316	9.573 ng/ml
Fluoxetine	5.727	18191	29163.0	8.5	2935.5	8640	91.554 ng/ml
Hydrocodone	3.690	370444	190749.5	36.8	20547.1	201447	113.971 ng/ml
Hydromorphone	2.558	295918	52454.3	73.9	162020.4	114231	107.028 ng/ml
Ketamine	4.831	624310	6763.8	38.0	3167.1	312096	100.661 ng/ml
Lamotrigine	4.483	56800	5446.6	88.0	5471.2	312096	101.467 ng/ml
Lorazepam	5.752	190139	7831.6	56.7	1796.7	129198	91.761 ng/ml
Meprobamate	4.929	291788	59756.1	29.1	1369.8	135002	99.821 ng/ml
Methadone	5.680	427747	19721.4	47.2	6330.4	219601	95.119 ng/ml
Methamphetamine	3.335	346640	∞	41.8	∞	134321	99.256 ng/ml
Metoprolol	4.389	131834	24546.2	98.4	7283.1	801640	103.483 ng/ml

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AM #28 Multi-Drug Quant. Results

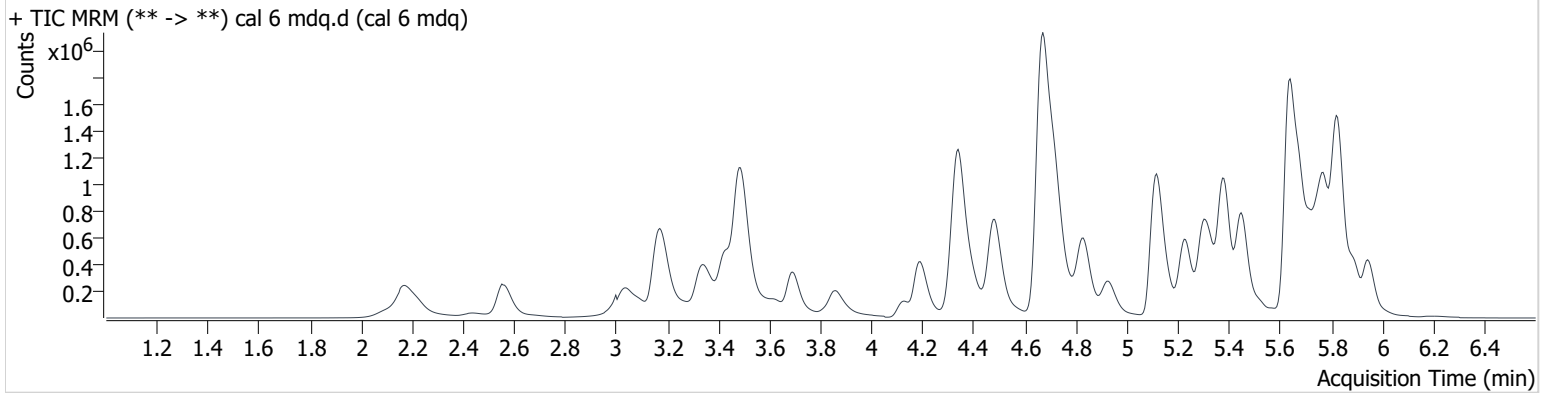
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	5.449	659376	10423.7	46.6	7407.1	219601	101.982 ng/ml
Mitragynine	5.575	36128	44081.0	35.1	22623.4	219601	100.262 ng/ml
Morphine	2.221	50826	13111.3	22.4	1859.5	6556	95.127 ng/ml
Norbuprenorphine	5.088	496	1418.5	90.1	588.5	3230	9.479 ng/ml
Nordiazepam	5.894	226763	47015.6	61.6	37190.6	76878	98.843 ng/ml
Norfentanyl	4.142	12712	1103.7	287.8	1069.5	431323	10.237 ng/ml
Norhydrocodone	3.186	9386	147.6	40.6	285.5	47743	96.672 ng/ml
Noroxycodone	3.033	331842	1721.2	44.7	3008.6	126213	104.482 ng/ml
O-desmethyl-tramadol	3.488	1353185	6121.6	6.6	9722.0	749005	98.860 ng/ml
Oxazepam	5.759	345483	7994.1	72.1	4120.8	197578	102.134 ng/ml
Oxycodone	3.423	628727	27042.8	29.8	45982.3	321314	107.073 ng/ml
Oxymorphone	2.163	398772	17613.3	44.7	48705.0	163602	111.402 ng/ml
Phentermine	3.862	179588	666.7	6.1	271.7	214801	100.728 ng/ml
Promethazine	5.645	85749	1748.3	33.0	1777.8	40116	102.700 ng/ml
Quetiapine	5.823	280602	322502.6	59.8	551429.2	41060	102.913 ng/ml
Sertraline	5.806	6632	862.8	97.5	590.8	3203	98.005 ng/ml
Temazepam	5.816	654666	21524.9	30.6	3308.4	342160	99.001 ng/ml
Tramadol	4.344	1535477	35907.1	3.6	795.5	856487	100.223 ng/ml
Trazodone	5.829	371039	1624215.2	78.0	810467.2	168038	99.928 ng/ml
Venlafaxine	5.117	1205247	28837.6	39.2	4689.9	670648	95.670 ng/ml
Zolpidem	5.639	1626703	6050.0	29.2	195111.9	721898	100.418 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 28 reinject 5-5-20\QuantResults\mds2.batch.bin
Calibration Last Update 5/7/2020 12:18:44 PM

Instrument	69679	Data File	cal 6 mdq.d
Type	Cal	Sample	cal 6 mdq
Acq. Method	mdq p1 cda 5520.m	Operator	Britany Wylie
Sample Position	P2-F1	Comment	
Injection Volume	2		
Acq. Date-Time	5/7/2020 1:30:44 AM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.596	34884	2954.6	73.8	11306.2	40448	25.188 ng/ml
7-aminoclonazepam	4.317	601908	21767.5	84.2	40807.6	115822	256.599 ng/ml
a-hydroxyalprazolam	5.700	113007	7720.9	61.3	4000.3	24434	248.462 ng/ml
alpha-PVP	4.724	1675287	183564.7	52.1	37034.7	287805	242.385 ng/ml
Alprazolam	5.779	824286	260007.8	106.3	37481.5	118617	254.416 ng/ml
Amphetamine	3.178	1404641	6224.8	51.3	6730.3	118409	243.518 ng/ml
Benzoylcegonine	3.909	42322	6667.6	7.6	379.3	5530	258.160 ng/ml
Buprenorphine	6.222	12755	1435.4	16.3	5816.1	18547	24.761 ng/ml
Bupropion	5.232	1236609	126180.7	63.2	7033.4	202608	250.801 ng/ml
Carisoprodol	5.724	678792	45487.0	62.8	5145.1	140353	251.136 ng/ml
Citalopram	5.296	566054	5124.3	46.1	559143.6	106045	252.358 ng/ml
Clonazepam	5.618	628961	15083.6	34.5	9175.4	46744	252.526 ng/ml
Cocaine	4.480	1517228	733845.2	46.2	492551.4	494887	251.547 ng/ml
Codeine	3.511	173918	30515.1	106.9	8295.1	39201	253.711 ng/ml
Cyclobenzaprine	5.672	115745	217486.1	9.0	351.9	19285	236.411 ng/ml
Dextromethorphan	5.340	338215	1219.2	75.8	104813.6	66988	247.679 ng/ml
Dextrorphan	4.191	443257	541404.4	216.2	42142.0	207413	249.682 ng/ml
Diazepam	5.950	561311	21365.3	88.1	60906.9	110313	249.269 ng/ml
Dihydrocodeine	3.159	512140	3714.9	64.2	31042.0	122361	252.621 ng/ml
Diphenhydramine	5.382	2131368	324181.9	34.0	3865.7	467446	248.860 ng/ml
Doxylamine	4.673	4195712	9690.0	95.4	581846.7	718449	250.940 ng/ml
EDDP	5.309	438086	22754.3	234.1	21592.7	203682	251.653 ng/ml
Fentanyl	5.524	34887	2168.3	71.4	42720.3	80106	24.829 ng/ml
Fluoxetine	5.727	39737	7404.2	8.5	8108.8	6848	255.176 ng/ml
Hydrocodone	3.690	814910	53120.1	36.9	39032.5	191759	266.124 ng/ml
Hydromorphone	2.558	668195	489516.7	73.7	133902.8	103860	268.253 ng/ml
Ketamine	4.831	1371457	24533.1	38.1	1667.5	273535	253.201 ng/ml
Lamotrigine	4.483	116980	11002.1	89.1	5317.6	273535	239.347 ng/ml
Lorazepam	5.747	325049	9691.9	56.9	2238.3	110313	184.530 ng/ml
Meprobamate	4.934	636593	99687.5	28.9	12013.4	118558	248.561 ng/ml
Methadone	5.680	1096016	309908.3	46.5	26262.4	218727	244.814 ng/ml
Methamphetamine	3.335	701330	∞	41.2	∞	119540	260.070 ng/ml
Metoprolol	4.395	285597	134377.1	99.0	44990.0	718449	251.763 ng/ml

AM #28 Multi-Drug Quant. Results

BW

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	5.449	1611154	34299.1	45.6	41883.8	218727	250.792 ng/ml
Mitragynine	5.575	87898	176936.1	38.8	86438.2	218727	245.439 ng/ml
Morphine	2.226	116885	80973.9	21.9	19837.9	5455	264.104 ng/ml
Norbuprenorphine	5.083	1196	2755.6	99.9	665.3	3066	24.526 ng/ml
Nordiazepam	5.894	467977	12104.3	61.4	35101.2	63895	246.005 ng/ml
Norfentanyl	4.147	29073	3447.9	284.8	2269.1	397954	25.422 ng/ml
Norhydrocodone	3.186	21274	1283.3	41.4	243.9	37924	274.690 ng/ml
Noroxycodone	3.038	734593	183.9	44.7	24653.8	112787	260.717 ng/ml
O-desmethyl-tramadol	3.488	3034843	12301.5	6.5	26641.2	662605	251.174 ng/ml
Oxazepam	5.759	637847	7123.7	71.5	1518.8	144501	259.857 ng/ml
Oxycodone	3.423	1410738	21825.5	29.4	143.3	287620	271.238 ng/ml
Oxymorphone	2.168	902587	14455.6	44.5	35778.6	152240	274.503 ng/ml
Phentermine	3.862	406967	1459.9	5.9	977.1	195046	248.850 ng/ml
Promethazine	5.645	203075	6742.4	31.7	1135.2	39171	250.507 ng/ml
Quetiapine	5.823	665821	855904.7	61.0	22065.4	39354	256.006 ng/ml
Sertraline	5.806	11984	3600.8	98.3	21435.3	2219	262.136 ng/ml
Temazepam	5.816	1312887	19634.5	29.8	4455.1	269135	252.918 ng/ml
Tramadol	4.344	3416582	1004897.2	3.5	3929.6	759942	252.634 ng/ml
Trazodone	5.829	922755	1577052.0	79.2	5412.3	163698	256.549 ng/ml
Venlafaxine	5.117	2756711	15112.8	38.6	50506.6	594533	246.419 ng/ml
Zolpidem	5.639	3461317	23786.3	29.7	111994.6	620510	249.176 ng/ml

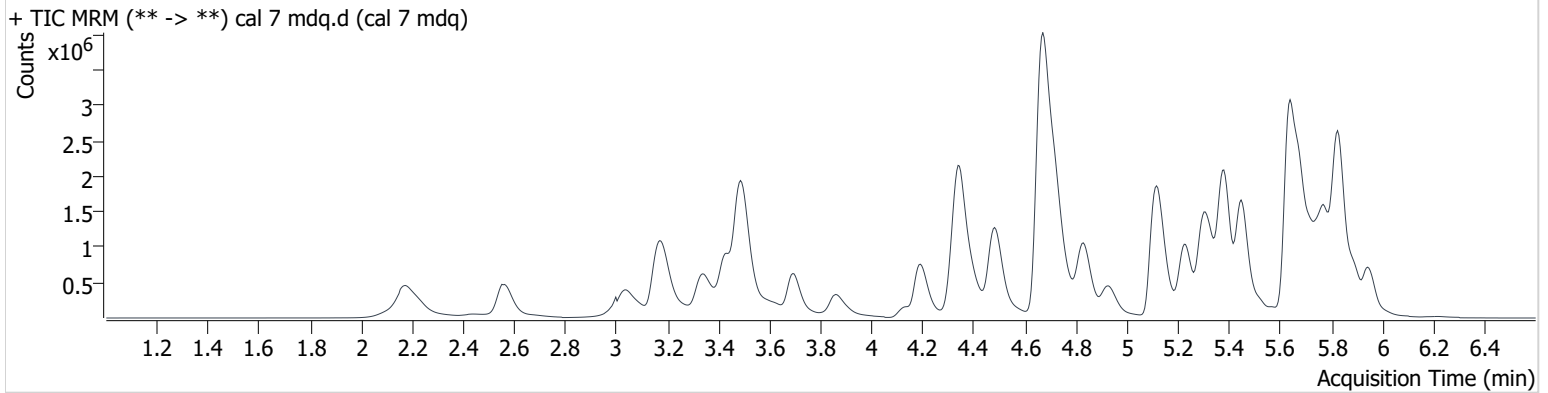
AM #28 Multi-Drug Quant. Results

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Batch results D:\MassHunter\Data\2020 Data\am 28 reinject 5-5-20\QuantResults\mds2.batch.bin
Calibration Last Update 5/7/2020 12:18:44 PM

Instrument	69679	Data File	cal 7 mdq.d
Type	Cal	Sample	cal 7 mdq
Acq. Method	mdq p1 cda 5520.m	Operator	Britany Wylie
Sample Position	P2-G1	Comment	
Injection Volume	2		
Acq. Date-Time	5/7/2020 1:41:33 AM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.596	70822	25367.7	72.9	4373.7	40369	51.349 ng/ml
7-aminoclonazepam	4.317	1082748	49125.6	83.4	18920.3	109526	489.018 ng/ml
a-hydroxyalprazolam	5.700	177432	4581.9	62.0	9888.9	20021	476.226 ng/ml
alpha-PVP	4.724	3031126	57703.9	52.4	5814.8	258611	487.790 ng/ml
Alprazolam	5.779	1362704	5836.6	108.2	27637.2	100052	499.168 ng/ml
Amphetamine	3.183	2416913	8600.8	51.9	11415.1	118868	421.196 ng/ml
Benzoyllecgonine	3.909	88200	1597.7	7.8	16626.8	6191	479.711 ng/ml
Buprenorphine	6.222	26125	2266.9	16.3	9462.8	18820	49.888 ng/ml
Bupropion	5.232	2199476	13628.0	62.9	3504.5	184800	489.586 ng/ml
Carisoprodol	5.724	1105424	39702.8	61.8	12961.1	114685	501.549 ng/ml
Citalopram	5.291	1177682	69485.0	46.4	2439.9	111806	499.951 ng/ml
Clonazepam	5.618	981877	110755.8	35.1	329954.1	39253	470.017 ng/ml
Cocaine	4.480	2945075	403238.1	45.3	2750.9	476023	508.249 ng/ml
Codeine	3.511	308924	1219.1	107.3	67556.5	37498	472.170 ng/ml
Cyclobenzaprine	5.672	270173	11627.5	9.5	10722.3	21492	496.779 ng/ml
Dextromethorphan	5.340	747711	1120729.7	76.6	7687.2	71575	513.053 ng/ml
Dextrorphan	4.191	879538	422924.0	216.1	450074.6	205120	501.188 ng/ml
Diazepam	5.950	1007524	25427.1	87.9	45170.9	99554	495.863 ng/ml
Dihydrocodeine	3.159	985655	19141.3	64.1	233060.8	124877	477.167 ng/ml
Diphenhydramine	5.382	4590462	34259.3	33.9	117261.1	511671	489.646 ng/ml
Doxylamine	4.672	8313781	6290.5	95.3	1049466.9	715439	499.660 ng/ml
EDDP	5.308	1000458	304735.6	231.3	185978.9	230220	509.610 ng/ml
Fentanyl	5.524	84277	2068.6	71.1	78574.6	97867	49.247 ng/ml
Fluoxetine	5.727	119258	223158.7	8.2	25247.5	10699	491.657 ng/ml
Hydrocodone	3.695	1593702	338840.8	38.7	31489.3	196229	510.503 ng/ml
Hydromorphone	2.563	1340270	611530.7	73.0	522.2	110092	509.079 ng/ml
Ketamine	4.831	2586283	228665.6	37.8	3308.2	263891	495.502 ng/ml
Lamotrigine	4.483	207803	7901.4	89.3	12287.2	263891	441.284 ng/ml
Lorazepam	5.747	414970	39547.2	56.0	2498.8	99554	261.370 ng/ml
Meprobamate	4.929	1123081	264864.0	28.5	13502.1	107854	482.398 ng/ml
Methadone	5.680	2495155	85585.8	46.8	108566.5	244613	498.435 ng/ml
Methamphetamine	3.340	1134658	∞	41.0	∞	102757	513.327 ng/ml
Metoprolol	4.395	541377	7909.1	96.9	9289.9	715439	480.287 ng/ml

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	5.449	3451336	32132.2	45.2	289023.5	244613	480.766 ng/ml
Mitragynine	5.575	199360	405618.7	37.8	179026.0	244613	498.142 ng/ml
Morphine	2.226	227549	1193.5	18.9	70687.7	6157	456.065 ng/ml
Norbuprenorphine	5.088	2684	2676.5	102.7	3395.5	3357	50.564 ng/ml
Nordiazepam	5.894	799514	16515.0	60.4	7795.7	52485	512.070 ng/ml
Norfentanyl	4.147	58071	8759.9	286.5	4390.1	407030	49.676 ng/ml
Norhydrocodone	3.186	43641	700.0	41.8	288.4	33112	644.530 ng/ml
Noroxycodone	3.033	1407089	63643.8	44.7	151.1	110286	511.948 ng/ml
O-desmethyl-tramadol	3.488	5885947	21226.3	6.4	30494.5	644636	501.072 ng/ml
Oxazepam	5.754	856921	34473.9	72.2	5874.6	100530	503.045 ng/ml
Oxycodone	3.423	2700989	24269.8	29.7	20599.0	288409	519.606 ng/ml
Oxymorphone	2.168	1749491	256848.1	44.8	194631.9	156050	521.281 ng/ml
Phentermine	3.862	736485	926.2	5.6	1412.2	174891	500.517 ng/ml
Promethazine	5.645	482547	38104.8	32.1	7057.1	46483	502.615 ng/ml
Quetiapine	5.823	1427539	16034.7	59.7	1903208.5	43785	494.098 ng/ml
Sertraline	5.800	42413	3479.6	96.1	144766.3	4161	498.362 ng/ml
Temazepam	5.816	1922134	12786.9	30.0	5597.3	202358	492.785 ng/ml
Tramadol	4.344	6494694	1394538.2	3.5	8734.1	741390	493.074 ng/ml
Trazodone	5.829	2139763	1394929.1	78.1	1195824.4	194433	501.752 ng/ml
Venlafaxine	5.119	5311805	583207.7	39.0	1751.1	577925	488.202 ng/ml
Zolpidem	5.639	6388540	280610.5	28.8	21237.7	567410	503.353 ng/ml

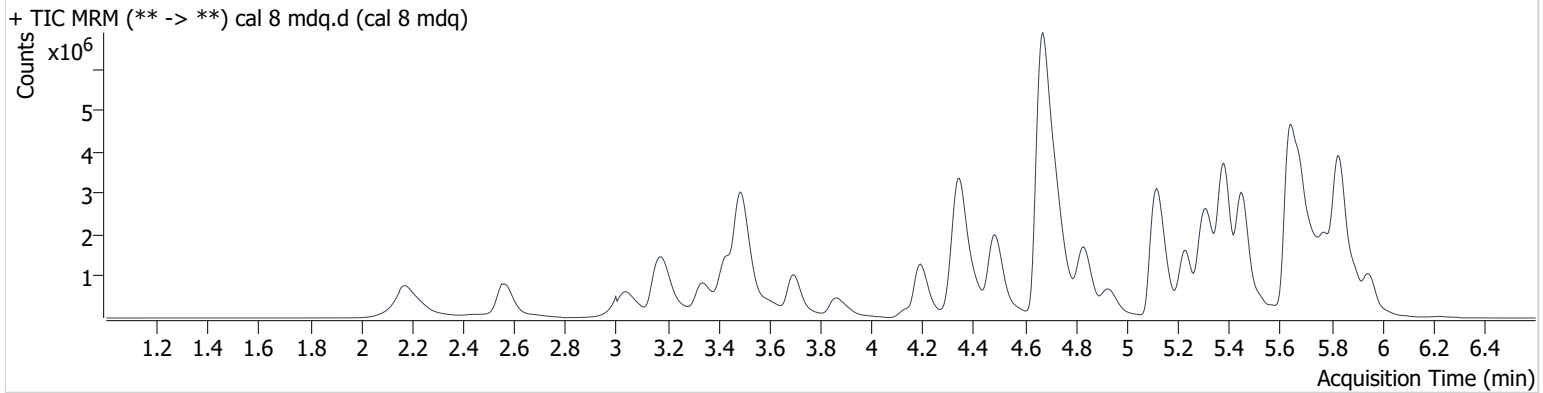
AM #28 Multi-Drug Quant. Results

BW

Batch results D:\MassHunter\Data\2020 Data\am 28 reinject 5-5-20\QuantResults\mds2.batch.bin
Calibration Last Update 5/7/2020 12:18:44 PM

Instrument	69679	Data File	cal 8 mdq.d
Type	Cal	Sample	cal 8 mdq
Acq. Method	mdq p1 cda 5520.m	Operator	Britany Wylie
Sample Position	P2-H1	Comment	
Injection Volume	2		
Acq. Date-Time	5/7/2020 2:03:05 AM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.596	135698	4446.4	73.8	62841.9	37094	107.189 ng/ml
7-aminoclonazepam	4.312	1691553	147767.8	83.1	255633.7	95805	874.177 ng/ml
a-hydroxyalprazolam	5.700	236690	26973.9	61.1	11557.8	12937	983.296 ng/ml
alpha-PVP	4.724	4947133	61145.2	51.7	55288.3	201005	1023.992 ng/ml
Alprazolam	5.779	1959424	1465516.7	108.9	4028.1	72009	997.812 ng/ml
Amphetamine	3.188	3423246	28780.9	51.9	25721.7	94003	758.580 ng/ml
Benzoylcegonine	3.909	188753	36732.3	7.7	655.5	6220	1020.686 ng/ml
Buprenorphine	6.222	52152	5466.3	15.7	27406.7	19123	97.919 ng/ml
Bupropion	5.232	3353290	8291.4	62.8	321917.0	140118	984.991 ng/ml
Carisoprodol	5.729	1505704	57278.8	61.5	42175.0	78587	997.998 ng/ml
Citalopram	5.291	2170501	150027.9	45.5	588151.9	103572	996.684 ng/ml
Clonazepam	5.613	1214812	125496.0	34.9	14614.4	26329	867.522 ng/ml
Cocaine	4.480	5157930	5002.7	45.2	3094.4	428981	988.326 ng/ml
Codeine	3.521	482560	18014.5	106.3	74777.8	30152	918.409 ng/ml
Cyclobenzaprine	5.672	556211	310573.1	9.1	5289.3	21567	1020.710 ng/ml
Dextromethorphan	5.340	1441744	605175.7	75.1	11021.3	69664	1016.949 ng/ml
Dextrorphan	4.191	1619096	18557.2	217.1	228804.2	189105	1000.956 ng/ml
Diazepam	5.950	1648276	91062.9	87.3	12579.8	80484	1003.521 ng/ml
Dihydrocodeine	3.159	1718498	23085.4	64.2	14015.5	124507	835.067 ng/ml
Diphenhydramine	5.382	8912126	944625.8	33.3	163285.4	478317	1016.894 ng/ml
Doxylamine	4.671	15071686	1556776.8	96.2	1863273.0	645665	1004.037 ng/ml
EDDP	5.308	1884484	215266.8	236.4	137606.9	218197	1013.925 ng/ml
Fentanyl	5.529	211406	16360.7	70.9	7566.2	119643	101.214 ng/ml
Fluoxetine	5.727	314059	12951.4	8.4	2154.1	13746	1009.459 ng/ml
Hydrocodone	3.695	2864635	449611.2	38.3	122905.1	188343	957.862 ng/ml
Hydromorphone	2.563	2483698	1051562.6	72.5	163248.0	108115	962.111 ng/ml
Ketamine	4.837	4467110	1050105.6	37.5	27402.7	237033	953.373 ng/ml
Lamotrigine	4.488	317790	11220.5	88.9	7510.3	237033	751.790 ng/ml
Lorazepam	5.747	421062	32084.9	57.8	2519.2	80484	328.252 ng/ml
Meprobamate	4.929	1822347	606317.1	28.7	82753.6	90694	931.212 ng/ml
Methadone	5.680	4960477	35628.3	46.0	268130.7	239330	1012.862 ng/ml
Methamphetamine	3.340	1537425	∞	41.1	∞	73018	1003.338 ng/ml
Metoprolol	4.395	902676	8798.9	97.2	263437.9	645665	888.330 ng/ml

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AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	5.454	6626912	20779.6	45.0	33041.4	239330	943.898 ng/ml
Mitragynine	5.575	406501	61624.9	37.8	716845.0	239330	1038.544 ng/ml
Morphine	2.226	401344	261795.4	21.7	441.3	5433	912.230 ng/ml
Norbuprenorphine	5.083	4486	4001.2	110.9	11127.3	2805	101.435 ng/ml
Nordiazepam	5.899	1139974	43308.7	60.9	1929877.1	38296	1001.012 ng/ml
Norfentanyl	4.147	116204	9330.7	285.4	12706.2	417494	96.943 ng/ml
Norhydrocodone	3.186	88510	331.1	39.7	565.9	27315	1583.733 ng/ml
Noroxycodone	3.033	2475546	28176.3	44.6	167.2	102470	970.543 ng/ml
O-desmethyl-tramadol	3.488	10411894	23203.7	6.4	40175.9	572491	998.419 ng/ml
Oxazepam	5.754	901694	24369.3	69.8	10471.5	54280	981.611 ng/ml
Oxycodone	3.428	4710774	29973.7	29.6	238952.6	275879	948.952 ng/ml
Oxymorphone	2.168	3092613	159142.4	44.9	71063.8	153585	938.230 ng/ml
Phentermine	3.862	1235556	28377.5	5.4	4338.9	144691	1013.207 ng/ml
Promethazine	5.645	1026139	1744101.5	32.0	8284.9	50013	994.338 ng/ml
Quetiapine	5.823	2704876	6464194.5	58.8	2958172.0	45250	906.591 ng/ml
Sertraline	5.800	104882	3469.7	100.5	151150.3	5189	992.264 ng/ml
Temazepam	5.811	2168804	13842.7	30.1	3282.7	113617	990.648 ng/ml
Tramadol	4.344	11404573	1394636.1	3.4	4485.1	675844	950.598 ng/ml
Trazodone	5.834	4130643	9789.1	77.8	277360.8	200860	938.410 ng/ml
Venlafaxine	5.117	9766077	1159278.4	38.5	147355.4	508208	1020.434 ng/ml
Zolpidem	5.639	10189508	971979.3	29.1	39757.1	467835	974.085 ng/ml