

Worklist: 966

<u>LAB_CASE</u>	<u>ITEM</u>	<u>TASK_ID</u>	<u>DESCRIPTION</u>
P2015-2394	1	48897	6.1.1 Blood LCMS-QQQ Benzc



ISP FORENSICS

Pocatello

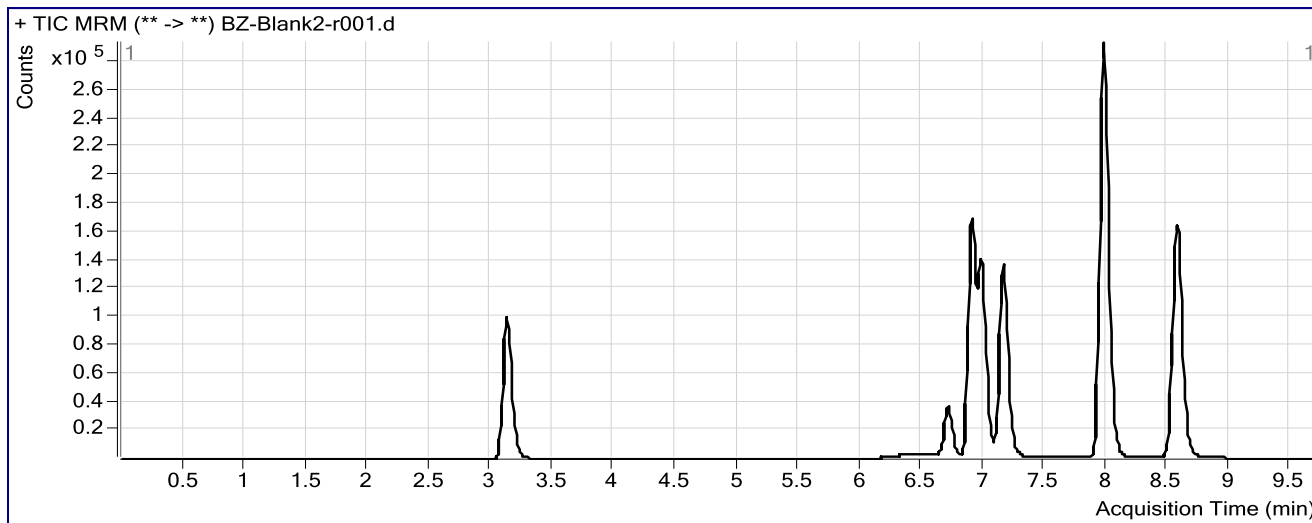
Benzodiazepine Analysis Report

Batch Data Path	C:\MassHunter\Data\BZ\01132016BZ\QuantResults\011316BZ.batch.bin		
Analysis Time	1/14/2016 11:37 AM	Analyst Name	ISPUser
Report Time	1/14/2016 11:41 AM	Reporter Name	ISPUser
Last Calib Update	1/14/2016 11:37 AM	Batch State	Processed

Analysis Info

Acq Time	2016-01-13 10:34	Data File	BZ-Blank2-r001.d
Sample Type	Blank	Sample Name	Blank
Dilution	1	Acq Method	Benzos_Z_Drugs_ACN_FA_ISP_2015.m
Position	P1-F9	Sample Info	
Inj Vol	-1	Comment	AM 6.1.1 Benzo and Z by LCQQQ

Sample Chromatogram



ISP FORENSICS

Pocatello

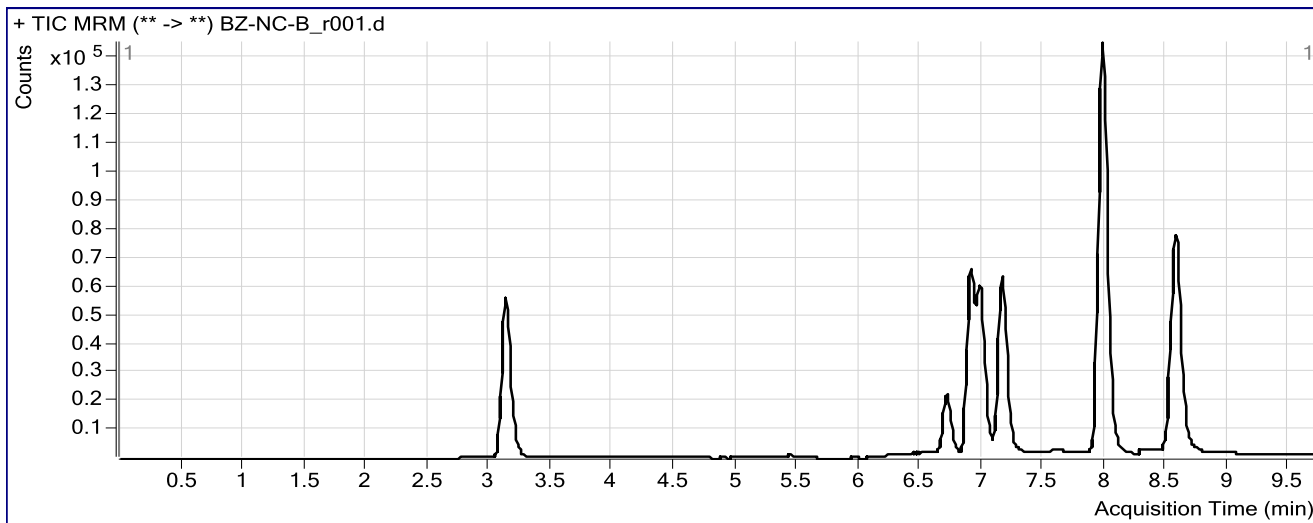
Benzodiazepine Analysis Report

Batch Data Path C:\MassHunter\Data\BZ\01132016BZ\QuantResults\011316BZ.batch.bin
Analysis Time 1/14/2016 11:37 AM **Analyst Name** ISPUser
Report Time 1/14/2016 11:41 AM **Reporter Name** ISPUser
Last Calib Update 1/14/2016 11:37 AM **Batch State** Processed

Analysis Info

Acq Time 2016-01-13 13:10 **Data File** BZ-NC-B_r001.d
Sample Type Sample **Sample Name** Negative Blood Control
Dilution 1 **Acq Method** Benzos_Z_Drugs_ACN_FA_ISP_2015.m
Position P1-E9 **Sample Info** UTAK Negative Whole Blood LOT B0689
Inj Vol -1 **Comment** AM 6.1.1 Benzo and Z by LCQQQ

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
quetiapine	Temazepam-D5 ISTD	5.447	1781	691318	0.0026	0.0000

ISP FORENSICS

Pocatello

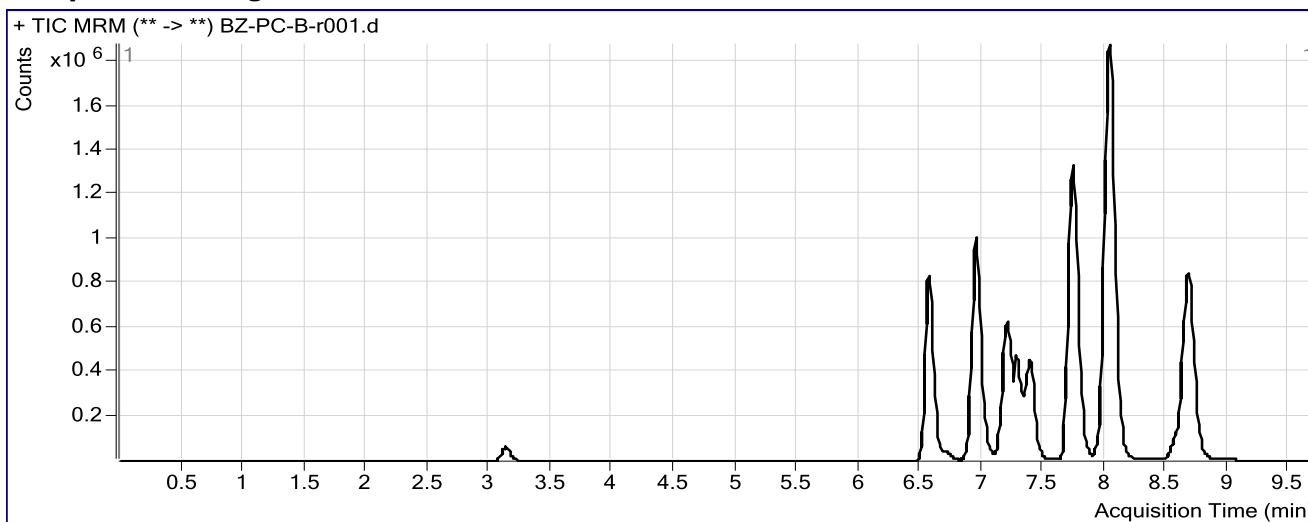
Benzodiazepine Analysis Report

Batch Data Path	C:\MassHunter\Data\BZ\01132016BZ\QuantResults\011316BZ.batch.bin		
Analysis Time	1/14/2016 11:37 AM	Analyst Name	ISPUser
Report Time	1/14/2016 11:41 AM	Reporter Name	ISPUser
Last Calib Update	1/14/2016 11:37 AM	Batch State	Processed

Analysis Info

Acq Time	2016-01-13 13:26	Data File	BZ-PC-B-r001.d
Sample Type	Sample	Sample Name	Positive Blood Control
Dilution	1	Acq Method	Benzos_Z_Drugs_ACN_FA_ISP_2015.m
Position	P1-E8	Sample Info	200 ng/mL Benzodiazepines Mix Cerilliant lot FE012413-02 in neg LOT B0
Inj Vol	-1	Comment	AM 6.1.1 Benzo and Z by LCQQQ

Sample Chromatogram



Results

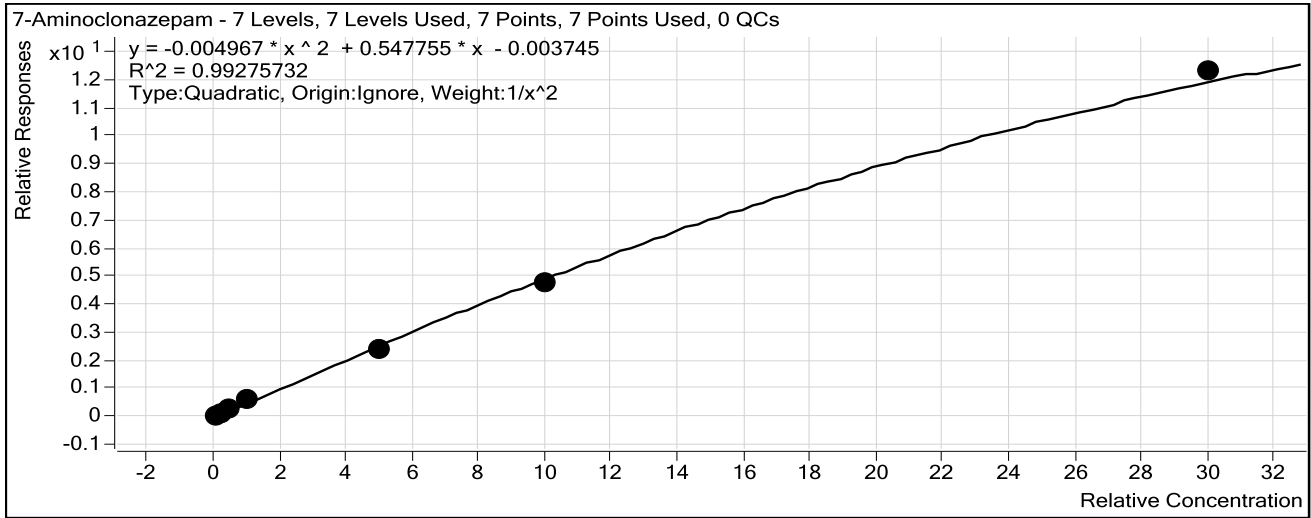
Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
quetiapine	Temazepam-D5 ISTD	5.447	2314	919141	0.0025	0.0000
Nitrazepam	Clonazepam-D4 ISTD	6.564	2510389	345407	7.2679	759.7911
Oxazepam	Nordiazepam-D5 ISTD	6.942	2937818	160967	18.2511	855.3873
Nordiazepam	Nordiazepam-D5 ISTD	6.944	9246	160967	0.0574	6.0677
Clonazepam	Clonazepam-D4 ISTD	7.192	2064872	345407	5.9781	882.6815
Lorazepam	Nordiazepam-D5 ISTD	7.276	399589	160967	2.4824	836.4262
Alprazolam	alphanhydroxylprazolam-D5 ISTD	7.379	1889433	98900	19.1044	829.7419
Flunitrazepam	Clonazepam-D4 ISTD	7.723	5235601	345407	15.1578	930.3790
Temazepam	Temazepam-D5 ISTD	8.029	7848612	919141	8.5391	946.4980
Diazepam	Diazepam-D5 ISTD	8.666	3514639	322247	10.9067	912.2302

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\BZ\01132016BZ\QuantResults\011316BZ.batch.bin

Last Calib Update 1/14/2016 11:37 AM **Analyst Name** ISP TOX

Target Compound 7-Aminoclonazepam
Internal Standard 7-Aminoflunitrazepam-D7 ISTD



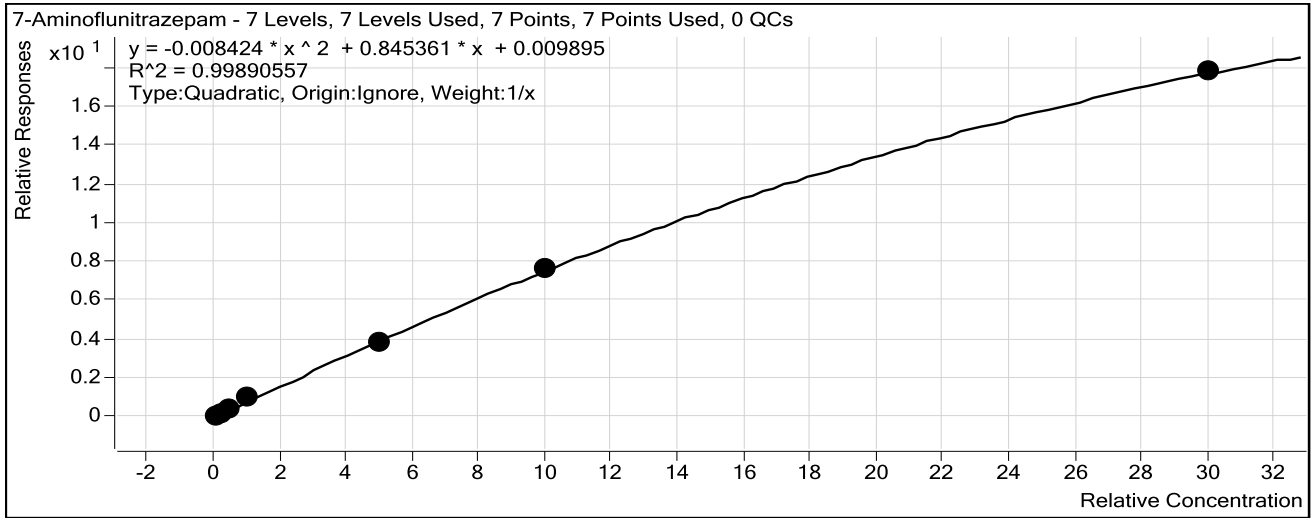
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	10.1	101.4
25 ng/mL	3	<input checked="" type="checkbox"/>	25	23.1	92.4
50 ng/mL	4	<input checked="" type="checkbox"/>	50	51.7	103.5
100 ng/mL	5	<input checked="" type="checkbox"/>	100	111.8	111.8
500 ng/mL	6	<input checked="" type="checkbox"/>	500	460.5	92.1
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	955.8	95.6
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	3137.3	104.6

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\BZ\01132016BZ\QuantResults\011316BZ.batch.bin

Last Calib Update 1/14/2016 11:37 AM **Analyst Name** ISP TOX

Target Compound 7-Aminoflunitrazepam
Internal Standard 7-Aminoflunitrazepam-D7 ISTD



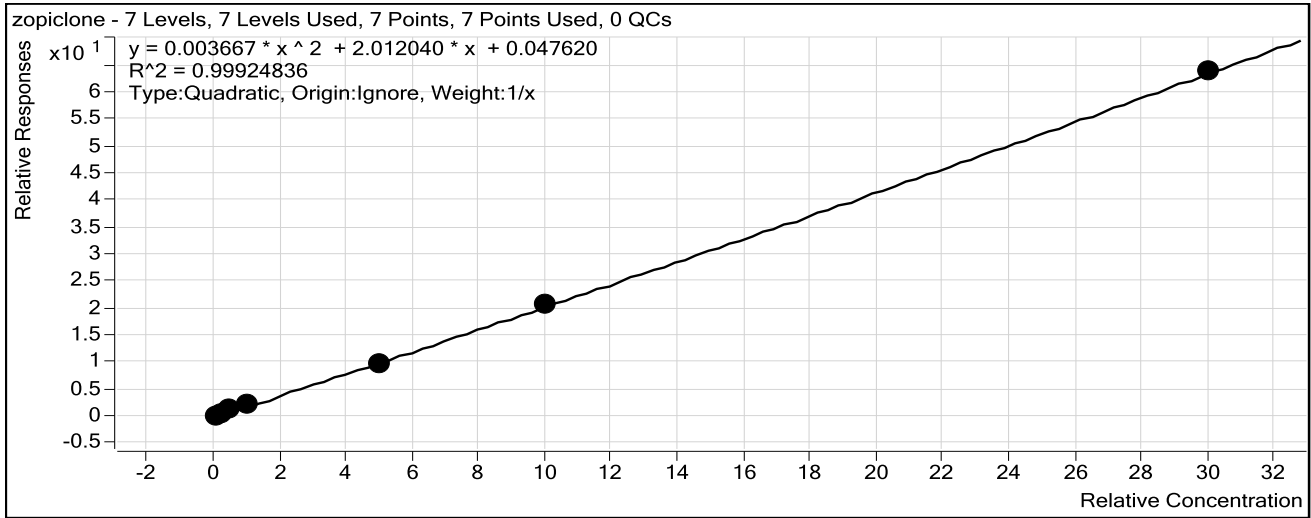
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	9.0	89.8
25 ng/mL	3	<input checked="" type="checkbox"/>	25	23.4	93.6
50 ng/mL	4	<input checked="" type="checkbox"/>	50	52.8	105.7
100 ng/mL	5	<input checked="" type="checkbox"/>	100	114.6	114.6
500 ng/mL	6	<input checked="" type="checkbox"/>	500	481.9	96.4
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	999.4	99.9
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	3005.9	100.2

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\BZ\01132016BZ\QuantResults\011316BZ.batch.bin

Last Calib Update 1/14/2016 11:37 AM **Analyst Name** ISP TOX

Target Compound zopiclone
Internal Standard Nordiazepam-D5 ISTD



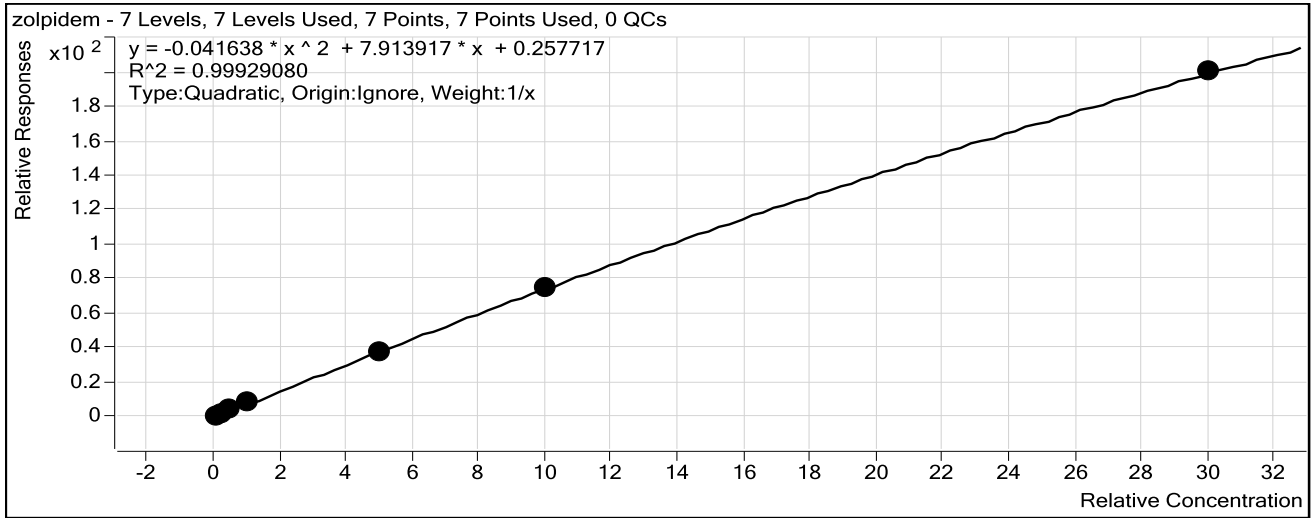
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	8.2	81.5
25 ng/mL	3	<input checked="" type="checkbox"/>	25	25.0	100.0
50 ng/mL	4	<input checked="" type="checkbox"/>	50	55.5	111.1
100 ng/mL	5	<input checked="" type="checkbox"/>	100	111.4	111.4
500 ng/mL	6	<input checked="" type="checkbox"/>	500	475.5	95.1
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	1008.9	100.9
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	3000.6	100.0

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\BZ\01132016BZ\QuantResults\011316BZ.batch.bin

Last Calib Update 1/14/2016 11:37 AM **Analyst Name** ISP TOX

Target Compound *zolpidem*
Internal Standard *Nordiazepam-D5 ISTD*



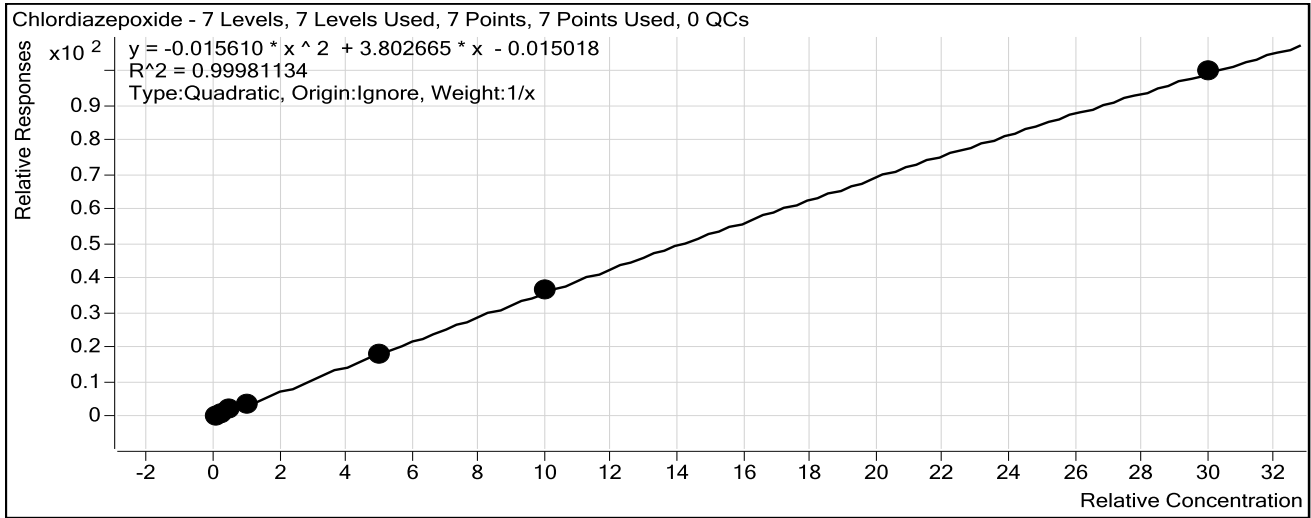
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	8.3	82.9
25 ng/mL	3	<input checked="" type="checkbox"/>	25	25.0	100.0
50 ng/mL	4	<input checked="" type="checkbox"/>	50	55.9	111.9
100 ng/mL	5	<input checked="" type="checkbox"/>	100	108.6	108.6
500 ng/mL	6	<input checked="" type="checkbox"/>	500	480.4	96.1
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	1005.4	100.5
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	3001.6	100.1

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\BZ\01132016BZ\QuantResults\011316BZ.batch.bin

Last Calib Update 1/14/2016 11:37 AM **Analyst Name** ISP TOX

Target Compound *Chlordiazepoxide*
Internal Standard *Nordiazepam-D5 ISTD*



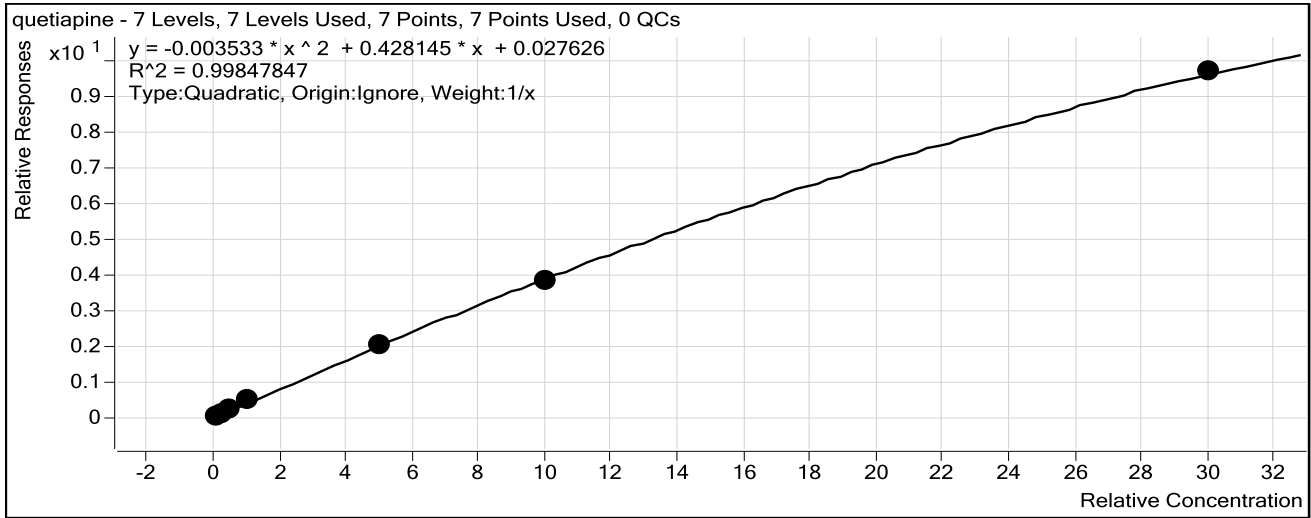
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	9.7	96.9
25 ng/mL	3	<input checked="" type="checkbox"/>	25	24.4	97.6
50 ng/mL	4	<input checked="" type="checkbox"/>	50	53.4	106.8
100 ng/mL	5	<input checked="" type="checkbox"/>	100	100.1	100.1
500 ng/mL	6	<input checked="" type="checkbox"/>	500	487.3	97.5
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	1012.5	101.2
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	2997.6	99.9

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\BZ\01132016BZ\QuantResults\011316BZ.batch.bin

Last Calib Update 1/14/2016 11:37 AM **Analyst Name** ISP TOX

Target Compound *quetiapine*
Internal Standard *Temazepam-D5 ISTD*



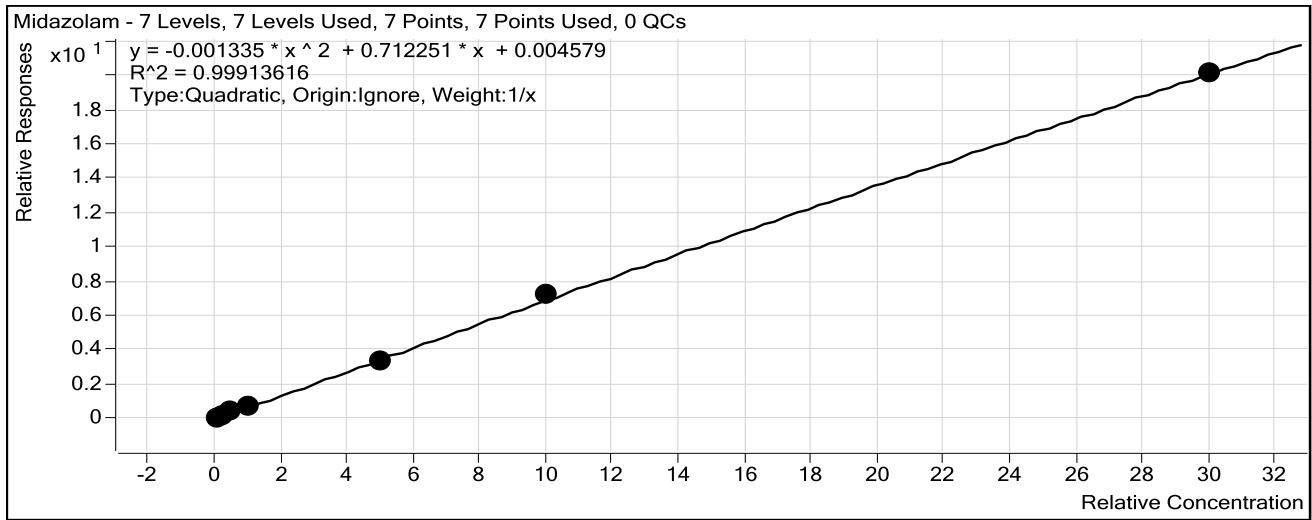
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
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25 ng/mL	3	<input checked="" type="checkbox"/>	25	21.9	87.7
50 ng/mL	4	<input checked="" type="checkbox"/>	50	56.4	112.7
100 ng/mL	5	<input checked="" type="checkbox"/>	100	116.7	116.7
500 ng/mL	6	<input checked="" type="checkbox"/>	500	491.6	98.3
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	979.9	98.0
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	3012.4	100.4

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\BZ\01132016BZ\QuantResults\011316BZ.batch.bin

Last Calib Update 1/14/2016 11:37 AM **Analyst Name** ISP TOX

Target Compound Midazolam
Internal Standard Clonazepam-D4 ISTD



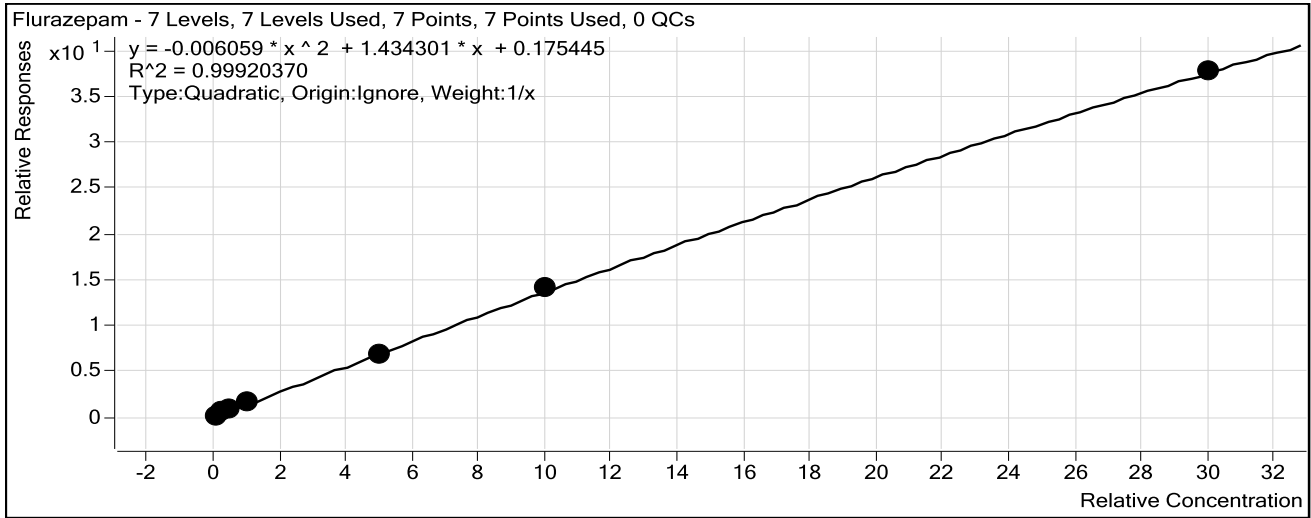
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	10.0	100.5
25 ng/mL	3	<input checked="" type="checkbox"/>	25	25.3	101.4
50 ng/mL	4	<input checked="" type="checkbox"/>	50	52.4	104.8
100 ng/mL	5	<input checked="" type="checkbox"/>	100	95.6	95.6
500 ng/mL	6	<input checked="" type="checkbox"/>	500	470.5	94.1
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	1040.0	104.0
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	2991.1	99.7

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\BZ\01132016BZ\QuantResults\011316BZ.batch.bin

Last Calib Update 1/14/2016 11:37 AM **Analyst Name** ISP TOX

Target Compound *Flurazepam*
Internal Standard *Diazepam-D5 ISTD*



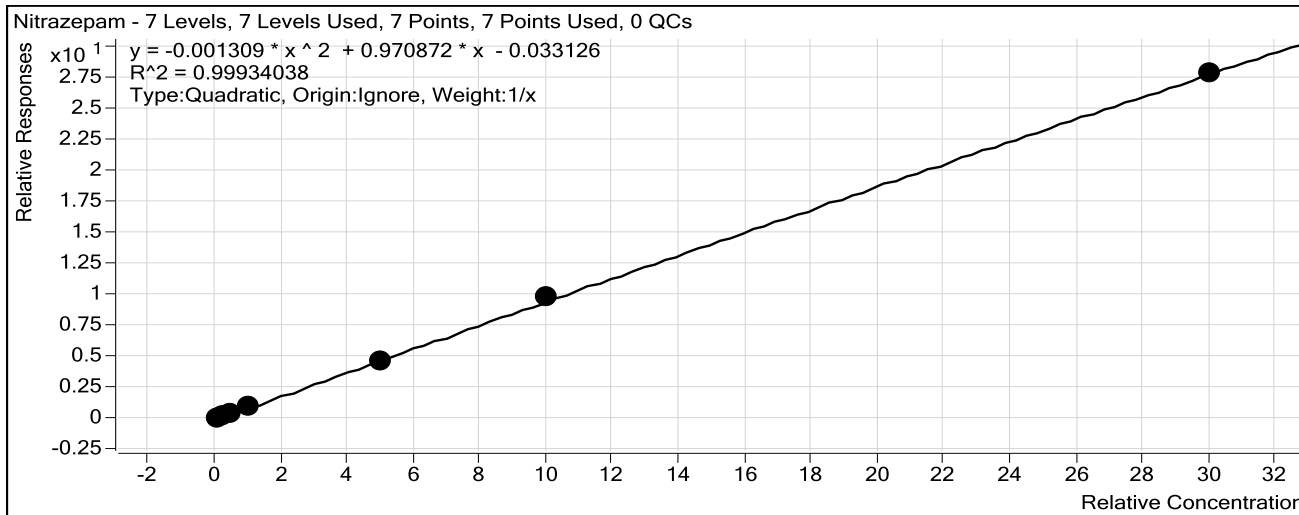
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	8.1	80.7
25 ng/mL	3	<input checked="" type="checkbox"/>	25	28.9	115.7
50 ng/mL	4	<input checked="" type="checkbox"/>	50	52.4	104.8
100 ng/mL	5	<input checked="" type="checkbox"/>	100	101.9	101.9
500 ng/mL	6	<input checked="" type="checkbox"/>	500	474.0	94.8
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	1024.2	102.4
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	2995.5	99.9

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\BZ\01132016BZ\QuantResults\011316BZ.batch.bin

Last Calib Update 1/14/2016 11:37 AM **Analyst Name** ISP TOX

Target Compound Nitrazepam
Internal Standard Clonazepam-D4 ISTD



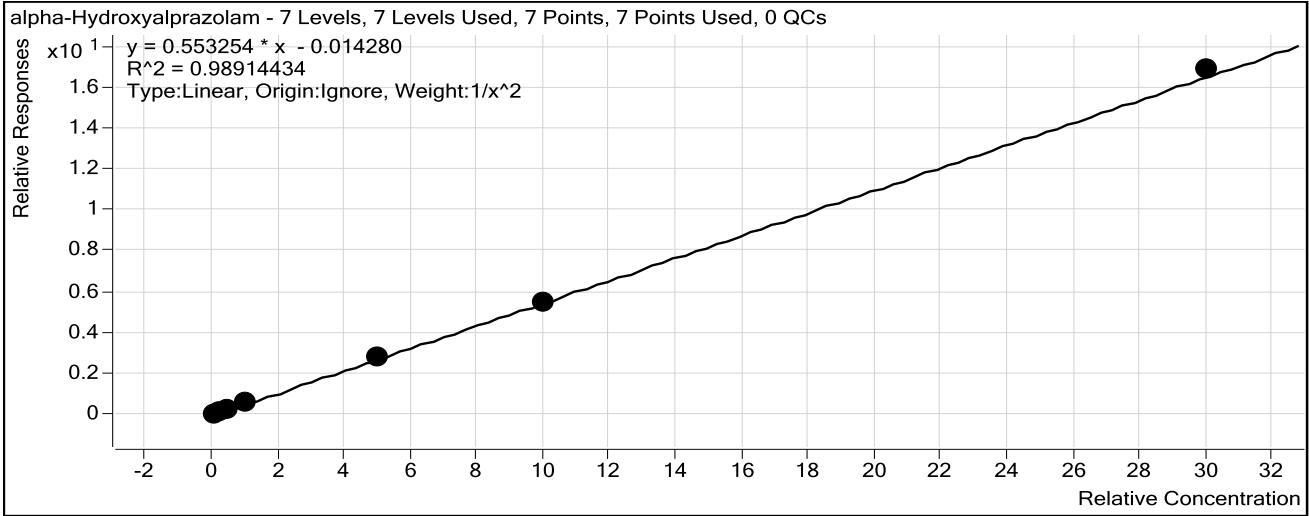
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	11.2	111.7
25 ng/mL	3	<input checked="" type="checkbox"/>	25	23.2	93.0
50 ng/mL	4	<input checked="" type="checkbox"/>	50	48.7	97.4
100 ng/mL	5	<input checked="" type="checkbox"/>	100	99.7	99.7
500 ng/mL	6	<input checked="" type="checkbox"/>	500	474.8	95.0
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	1035.3	103.5
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	2992.1	99.7

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\BZ\01132016BZ\QuantResults\011316BZ.batch.bin

Last Calib Update 1/14/2016 11:37 AM **Analyst Name** ISP TOX

Target Compound *alpha-Hydroxyalprazolam*
Internal Standard *alphahydroxyalprazolam-D5 ISTD*



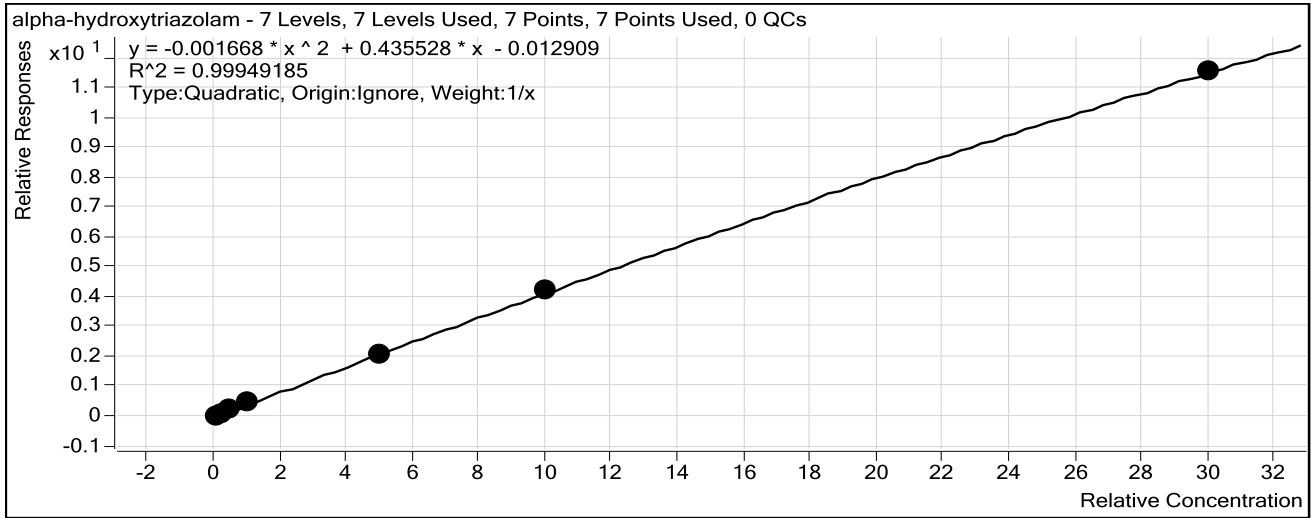
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	10.7	106.5
25 ng/mL	3	<input checked="" type="checkbox"/>	25	21.1	84.3
50 ng/mL	4	<input checked="" type="checkbox"/>	50	46.2	92.5
100 ng/mL	5	<input checked="" type="checkbox"/>	100	111.7	111.7
500 ng/mL	6	<input checked="" type="checkbox"/>	500	515.7	103.1
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	1000.9	100.1
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	3051.6	101.7

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\BZ\01132016BZ\QuantResults\011316BZ.batch.bin

Last Calib Update 1/14/2016 11:37 AM **Analyst Name** ISP TOX

Target Compound *alpha-hydroxytriazolam*
Internal Standard *Nordiazepam-D5 ISTD*



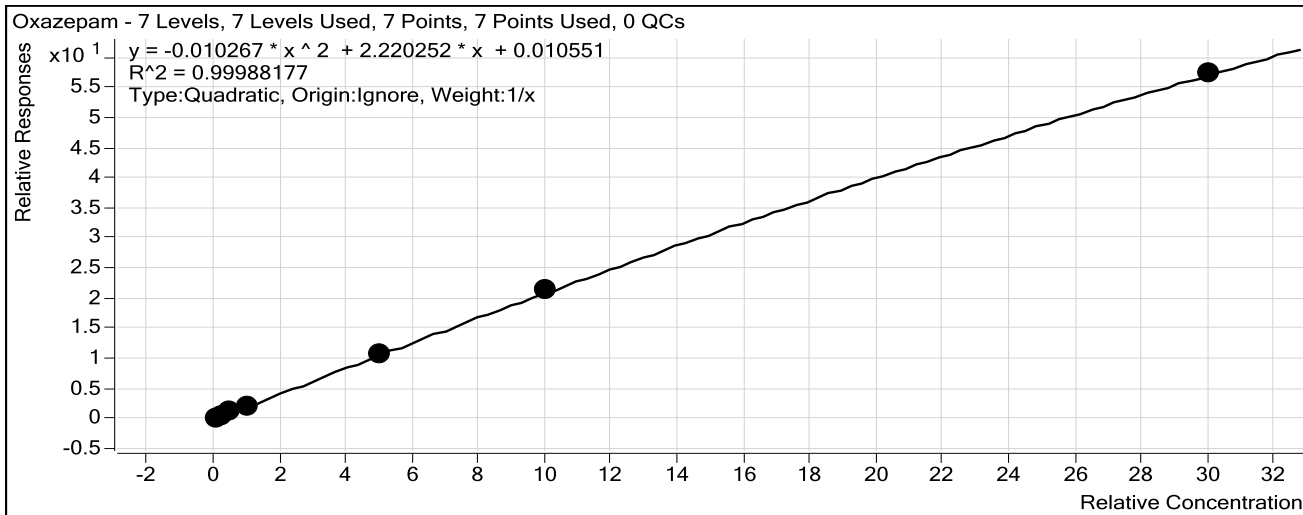
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	11.0	109.6
25 ng/mL	3	<input checked="" type="checkbox"/>	25	22.2	88.7
50 ng/mL	4	<input checked="" type="checkbox"/>	50	49.4	98.9
100 ng/mL	5	<input checked="" type="checkbox"/>	100	104.8	104.8
500 ng/mL	6	<input checked="" type="checkbox"/>	500	479.6	95.9
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	1023.1	102.3
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	2994.9	99.8

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\BZ\01132016BZ\QuantResults\011316BZ.batch.bin

Last Calib Update 1/14/2016 11:37 AM **Analyst Name** ISP TOX

Target Compound Oxazepam
Internal Standard Nordiazepam-D5 ISTD



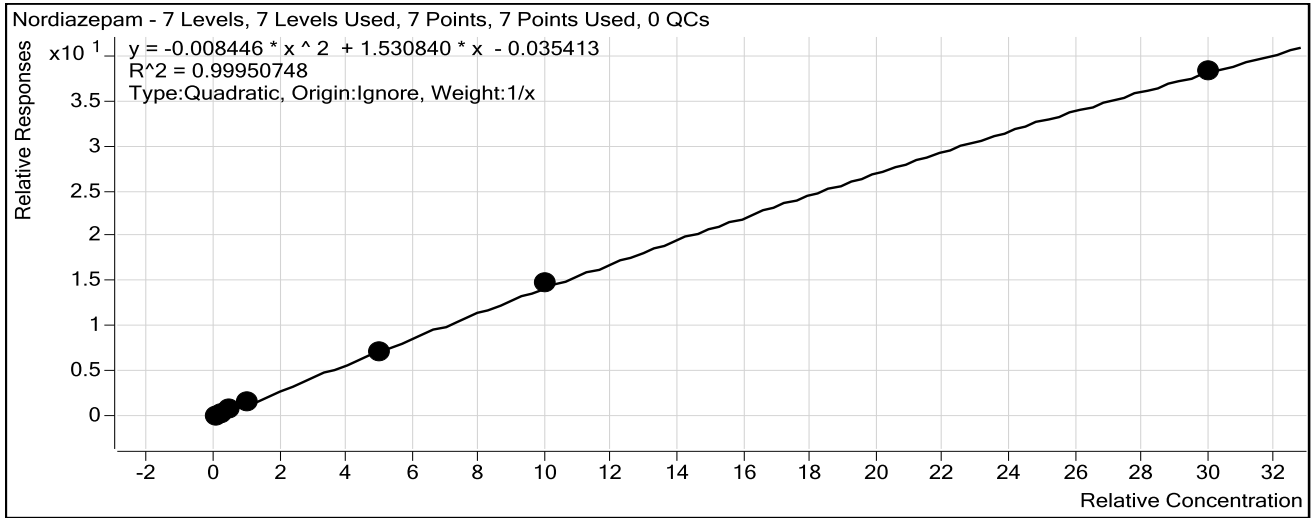
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	9.8	98.2
25 ng/mL	3	<input checked="" type="checkbox"/>	25	24.8	99.4
50 ng/mL	4	<input checked="" type="checkbox"/>	50	51.3	102.7
100 ng/mL	5	<input checked="" type="checkbox"/>	100	101.0	101.0
500 ng/mL	6	<input checked="" type="checkbox"/>	500	488.4	97.7
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	1012.1	101.2
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	2997.4	99.9

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\BZ\01132016BZ\QuantResults\011316BZ.batch.bin

Last Calib Update 1/14/2016 11:37 AM **Analyst Name** ISP TOX

Target Compound Nordiazepam
Internal Standard Nordiazepam-D5 ISTD



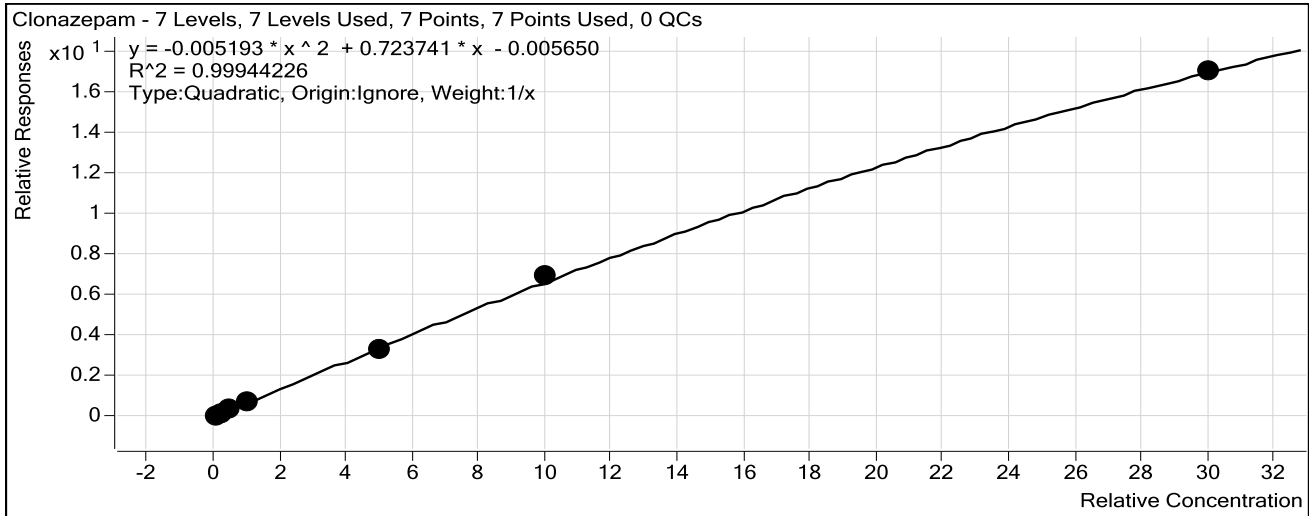
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	10.9	108.6
25 ng/mL	3	<input checked="" type="checkbox"/>	25	22.4	89.4
50 ng/mL	4	<input checked="" type="checkbox"/>	50	48.9	97.8
100 ng/mL	5	<input checked="" type="checkbox"/>	100	106.1	106.1
500 ng/mL	6	<input checked="" type="checkbox"/>	500	481.4	96.3
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	1019.7	102.0
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	2995.4	99.8

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\BZ\01132016BZ\QuantResults\011316BZ.batch.bin

Last Calib Update 1/14/2016 11:37 AM **Analyst Name** ISP TOX

Target Compound *Clonazepam*
Internal Standard *Clonazepam-D4 ISTD*



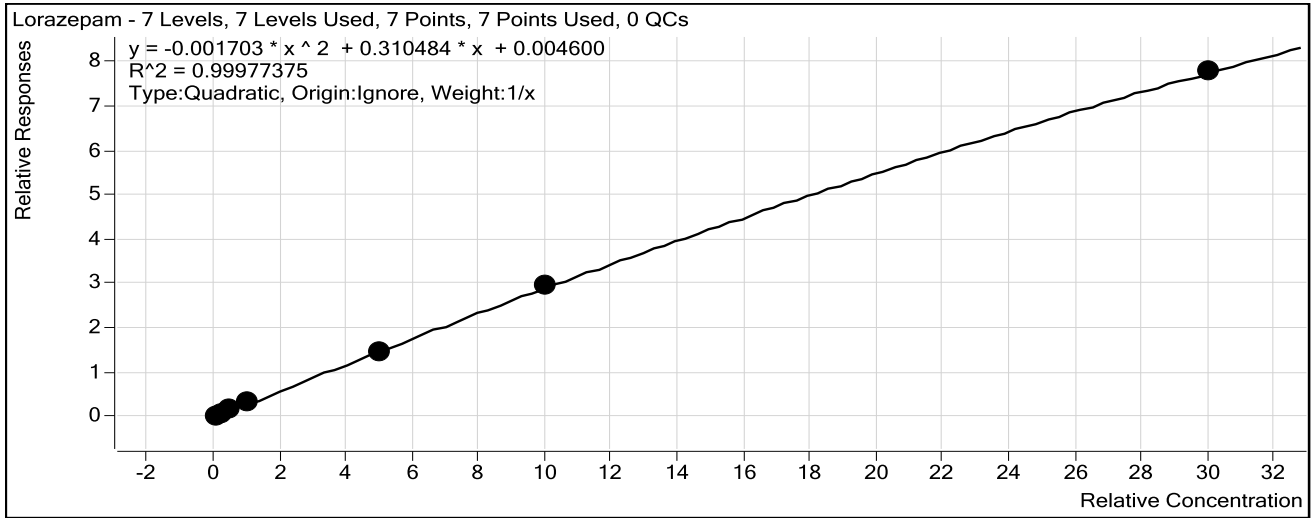
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	10.7	106.8
25 ng/mL	3	<input checked="" type="checkbox"/>	25	24.0	95.8
50 ng/mL	4	<input checked="" type="checkbox"/>	50	50.1	100.1
100 ng/mL	5	<input checked="" type="checkbox"/>	100	98.7	98.7
500 ng/mL	6	<input checked="" type="checkbox"/>	500	478.0	95.6
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	1032.6	103.3
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	2989.8	99.7

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\BZ\01132016BZ\QuantResults\011316BZ.batch.bin

Last Calib Update 1/14/2016 11:37 AM **Analyst Name** ISP TOX

Target Compound Lorazepam
Internal Standard Nordiazepam-D5 ISTD



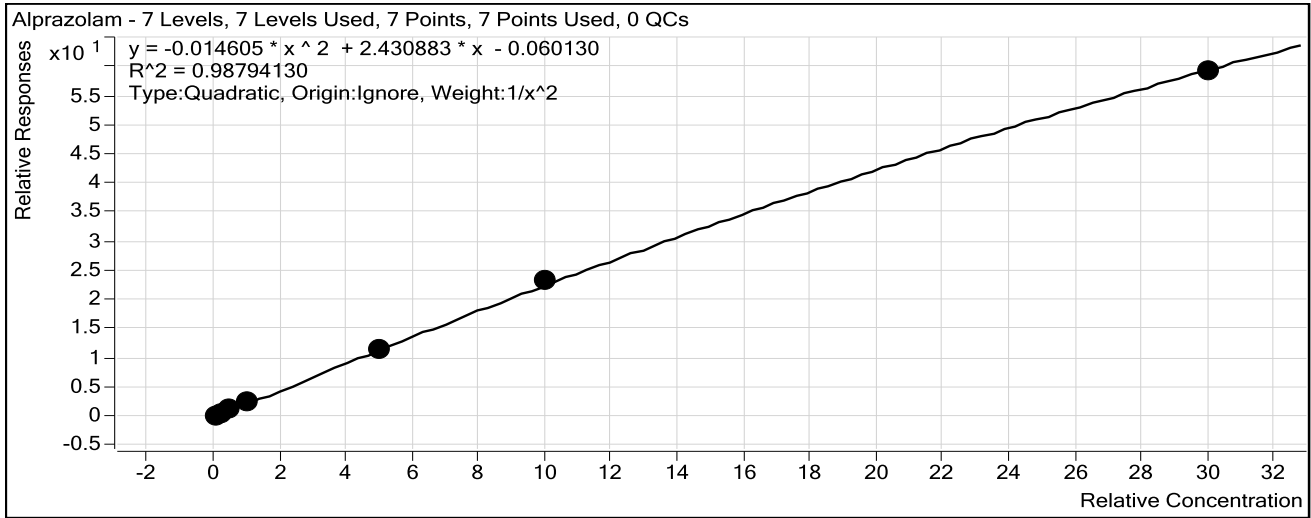
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	9.6	95.6
25 ng/mL	3	<input checked="" type="checkbox"/>	25	25.4	101.6
50 ng/mL	4	<input checked="" type="checkbox"/>	50	50.5	101.0
100 ng/mL	5	<input checked="" type="checkbox"/>	100	103.6	103.6
500 ng/mL	6	<input checked="" type="checkbox"/>	500	484.3	96.9
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	1014.4	101.4
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	2997.2	99.9

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\BZ\01132016BZ\QuantResults\011316BZ.batch.bin

Last Calib Update 1/14/2016 11:37 AM **Analyst Name** ISP TOX

Target Compound Alprazolam
Internal Standard alphahydroxyalprazolam-D5 ISTD



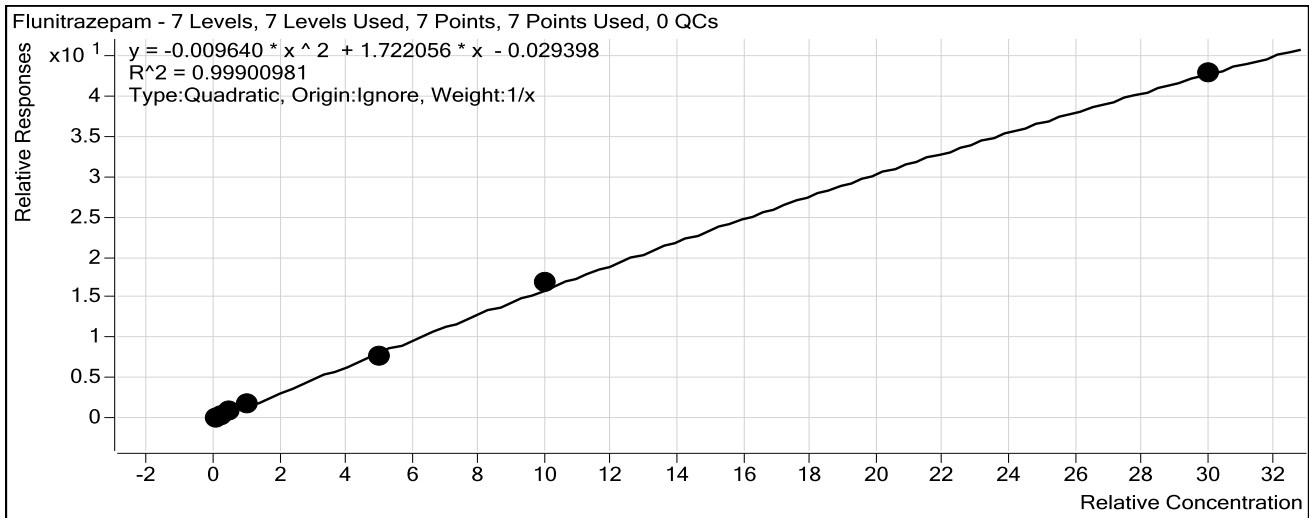
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	10.6	105.7
25 ng/mL	3	<input checked="" type="checkbox"/>	25	20.3	81.2
50 ng/mL	4	<input checked="" type="checkbox"/>	50	52.7	105.4
100 ng/mL	5	<input checked="" type="checkbox"/>	100	108.0	108.0
500 ng/mL	6	<input checked="" type="checkbox"/>	500	488.8	97.8
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	1031.8	103.2
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	2962.8	98.8

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\BZ\01132016BZ\QuantResults\011316BZ.batch.bin

Last Calib Update 1/14/2016 11:37 AM **Analyst Name** ISP TOX

Target Compound *Flunitrazepam*
Internal Standard *Clonazepam-D4 ISTD*



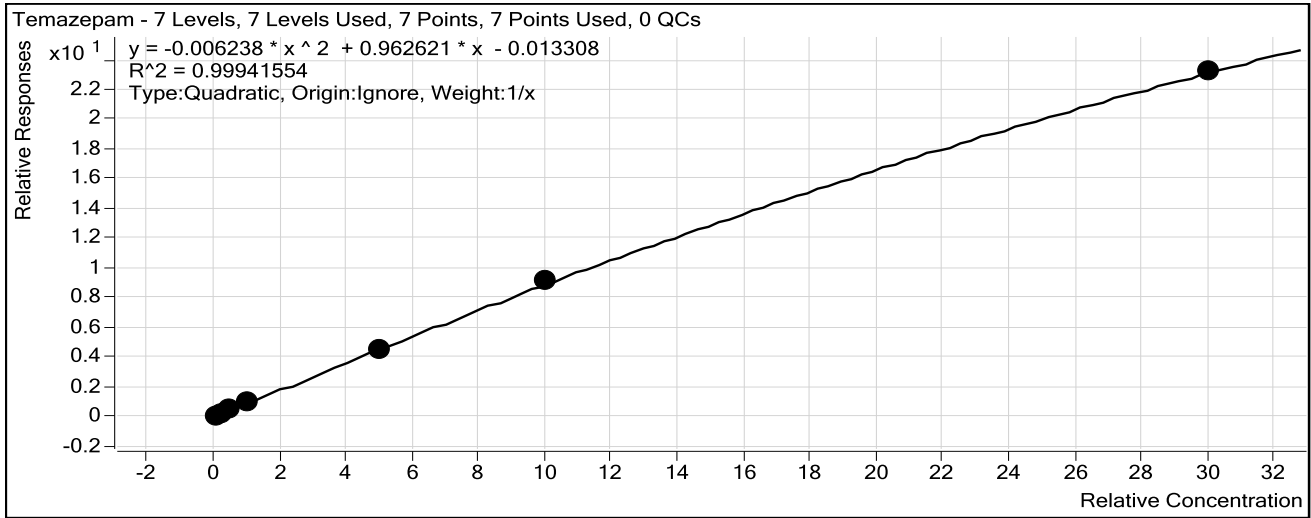
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ngmL	2	<input checked="" type="checkbox"/>	10	10.7	107.5
25 ngmL	3	<input checked="" type="checkbox"/>	25	23.4	93.6
50 ngmL	4	<input checked="" type="checkbox"/>	50	49.7	99.5
100 ngmL	5	<input checked="" type="checkbox"/>	100	102.1	102.1
500 ngmL	6	<input checked="" type="checkbox"/>	500	468.2	93.6
1000 ngmL	7	<input checked="" type="checkbox"/>	1000	1040.8	104.1
3000 ngmL	8	<input checked="" type="checkbox"/>	3000	2989.3	99.6

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\BZ\01132016BZ\QuantResults\011316BZ.batch.bin

Last Calib Update 1/14/2016 11:37 AM **Analyst Name** ISP TOX

Target Compound *Temazepam*
Internal Standard *Temazepam-D5 ISTD*



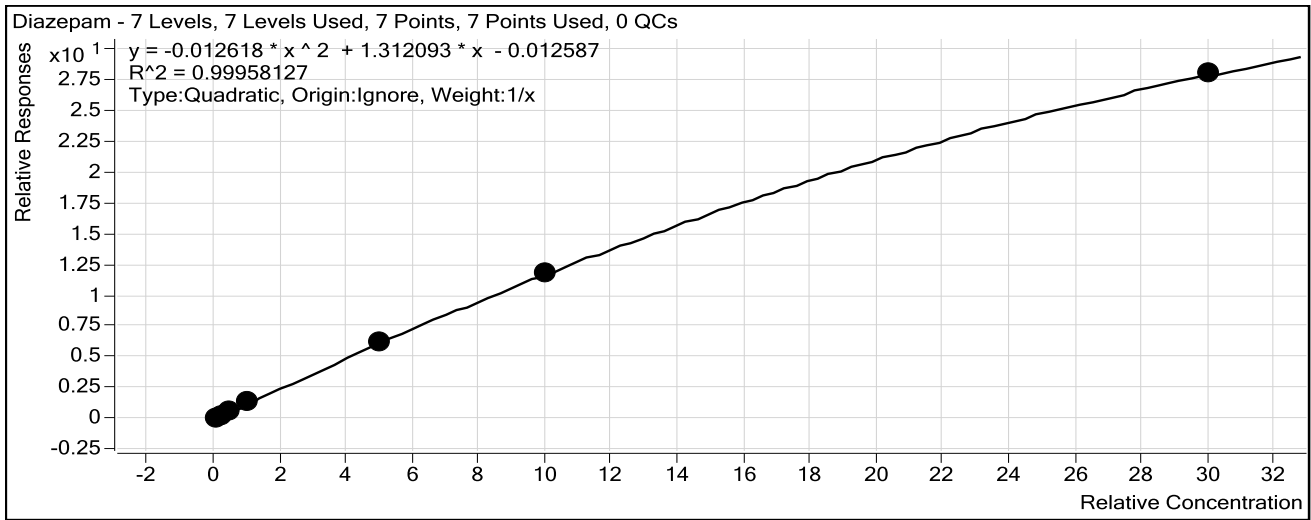
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	10.5	104.8
25 ng/mL	3	<input checked="" type="checkbox"/>	25	23.3	93.1
50 ng/mL	4	<input checked="" type="checkbox"/>	50	49.3	98.5
100 ng/mL	5	<input checked="" type="checkbox"/>	100	106.0	106.0
500 ng/mL	6	<input checked="" type="checkbox"/>	500	477.0	95.4
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	1024.5	102.4
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	2994.0	99.8

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\BZ\01132016BZ\QuantResults\011316BZ.batch.bin

Last Calib Update 1/14/2016 11:37 AM **Analyst Name** ISP TOX

Target Compound *Diazepam*
Internal Standard *Diazepam-D5 ISTD*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	9.7	97.5
25 ng/mL	3	<input checked="" type="checkbox"/>	25	23.1	92.2
50 ng/mL	4	<input checked="" type="checkbox"/>	50	51.2	102.5
100 ng/mL	5	<input checked="" type="checkbox"/>	100	109.5	109.5
500 ng/mL	6	<input checked="" type="checkbox"/>	500	494.9	99.0
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	992.2	99.2
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	3006.0	100.2