Worklist: 551

LAB_CASE	ITEM	TASK_ID	DESCRIPTION	
M2014-3278	4	26244	6.1.1 Blood LCMS-QQQ Benzo	
P2014-2352	1	26245	6.1.1 Blood LCMS-QQQ Benzo	
P2014-2377	1	26246	6.1.1 Blood LCMS-QQQ Benzo	
P2014-2406	1	26247	6.1.1 Blood LCMS-QQQ Benzo	
P2014-2505	1	26248	6.1.1 Blood LCMS-QQQ Benzo	
P2014-2530	1	26249	6.1.1 Blood LCMS-QQQ Benzo	
P2014-2586	1	26250	6.1.1 Blood LCMS-QQQ Benzo	
P2014-2658	1	26251	6.1.1 Blood LCMS-QQQ Benzo	
P2014-2677	1	26252	6.1.1 Blood LCMS-QQQ Benzo	
P2014-2678	1	26253	6.1.1 Blood LCMS-QQQ Benzo	
P2014-2680	1	26254	6.1.1 Blood LCMS-QQQ Benzo	
P2014-2700	1	26255	6.1.1 Blood LCMS-QQQ Benzo	
P2014-2719	1	26256	6.1.1 Blood LCMS-QQQ Benzo	
P2014-2721	1	26257	6.1.1 Blood LCMS-QQQ Benzo	
P2014-2883	1	26258	6.1.1 Blood LCMS-QQQ Benzo	

Review of central file verified on peer review sheet in each case file.   07/09/2015

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ISP Forensics
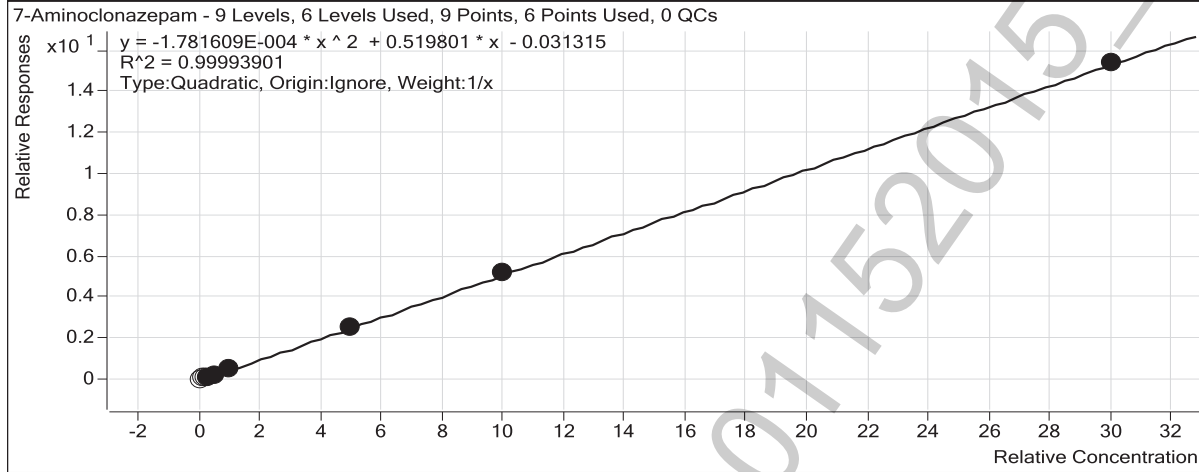# Calibration Curve Report

Batch Data Path   C:\MassHunter\Data\BZ-B-011515\QuantResults\BZ-B-011515lowcal.batch.bin

Last Calib Update   1/16/2015 12:16 PM   **Analyst Name**   ISP TOX

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

7-Aminoclonazepam - 9 Levels, 6 Levels Used, 9 Points, 6 Points Used, 0 QCs

$y = -1.781609E\text{-}004 * x \wedge 2 + 0.519801 * x - 0.031315$
$R\wedge 2 = 0.99993901$
Type:Quadratic, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
5 ngmL	1	☐	5	9.9	197.5
10 ngmL	2	☐	10	14.2	141.9
15 ngmL	3	☐	15	17.4	116.2
25 ngmL	4	☑	25	26.2	104.9
50 ngmL	5	☑	50	49.2	98.3
100 ngmL	6	☑	100	96.5	96.5
500 ngmL	7	☑	500	498.0	99.6
1000 ngmL	8	☑	1000	1007.0	100.7
3000 ngmL	9	☑	3000	2998.1	99.9

ISP Forensics
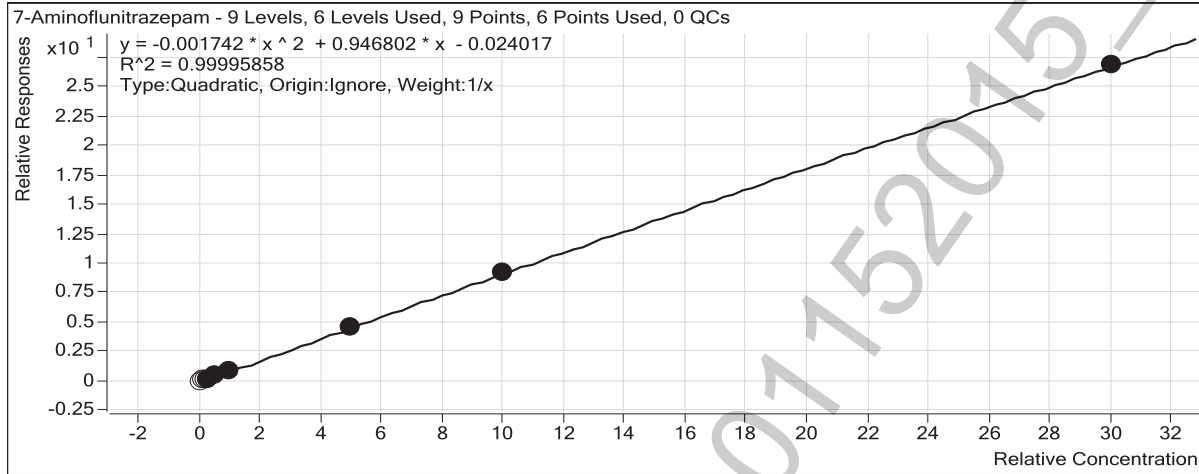# Calibration Curve Report

Batch Data Path   C:\MassHunter\Data\BZ-B-011515\QuantResults\BZ-B-011515lowcal.batch.bin

Last Calib Update   1/16/2015 12:16 PM   **Analyst Name**   ISP TOX

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

7-Aminoflunitrazepam - 9 Levels, 6 Levels Used, 9 Points, 6 Points Used, 0 QCs

$y = -0.001742 * x^2 + 0.946802 * x - 0.024017$
$R^2 = 0.99995858$
Type:Quadratic, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
5 ngmL	1	☐	5	6.8	135.5
10 ngmL	2	☐	10	11.2	112.5
15 ngmL	3	☐	15	14.7	98.0
25 ngmL	4	☑	25	24.5	98.2
50 ngmL	5	☑	50	49.3	98.6
100 ngmL	6	☑	100	103.5	103.5
500 ngmL	7	☑	500	500.3	100.1
1000 ngmL	8	☑	1000	996.1	99.6
3000 ngmL	9	☑	3000	3001.2	100.0

ISP Forensics
Calibration Curve Report

Batch Data Path   C:\MassHunter\Data\BZ-B-011515\QuantResults\BZ-B-011515lowcal.batch.bin

Last Calib Update   1/16/2015 12:16 PM   **Analyst Name**   ISP TOX

Target Compound   *zopiclone*
Internal Standard   *Oxazepam D5 ISTD*

zopiclone - 9 Levels, 6 Levels Used, 9 Points, 6 Points Used, 0 QCs

$y = 0.005193 * x \char`\^ 2 + 1.073909 * x - 0.021412$
$R\char`\^2 = 0.99949308$
Type:Quadratic, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
5 ngmL	1	☐	5	6.3	126.9
10 ngmL	2	☐	10	10.5	104.6
15 ngmL	3	☐	15	15.0	100.0
25 ngmL	4	☑	25	24.0	96.0
50 ngmL	5	☑	50	50.3	100.7
100 ngmL	6	☑	100	101.1	101.1
500 ngmL	7	☑	500	525.4	105.1
1000 ngmL	8	☑	1000	969.0	96.9
3000 ngmL	9	☑	3000	3005.3	100.2

ISP Forensics
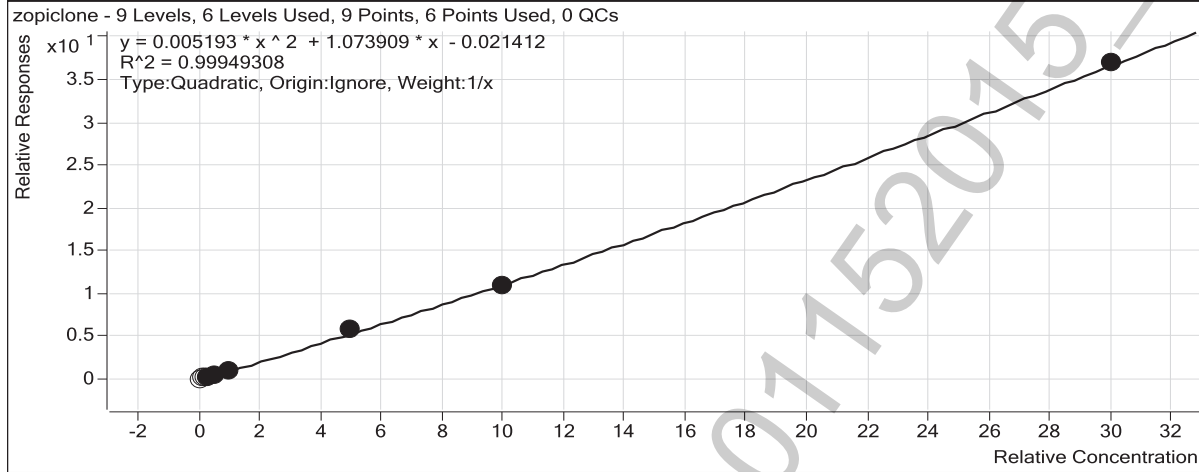## Calibration Curve Report

Batch Data Path   C:\MassHunter\Data\BZ-B-011515\QuantResults\BZ-B-011515lowcal.batch.bin

Last Calib Update   1/16/2015 12:16 PM   **Analyst Name**   ISP TOX

Target Compound   *zolpidem*
Internal Standard   *Oxazepam D5 ISTD*

zolpidem - 9 Levels, 6 Levels Used, 9 Points, 6 Points Used, 0 QCs

$y = -0.004957 * x ^ 2 + 4.234463 * x - 0.131234$

$R^2 = 0.99966729$

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

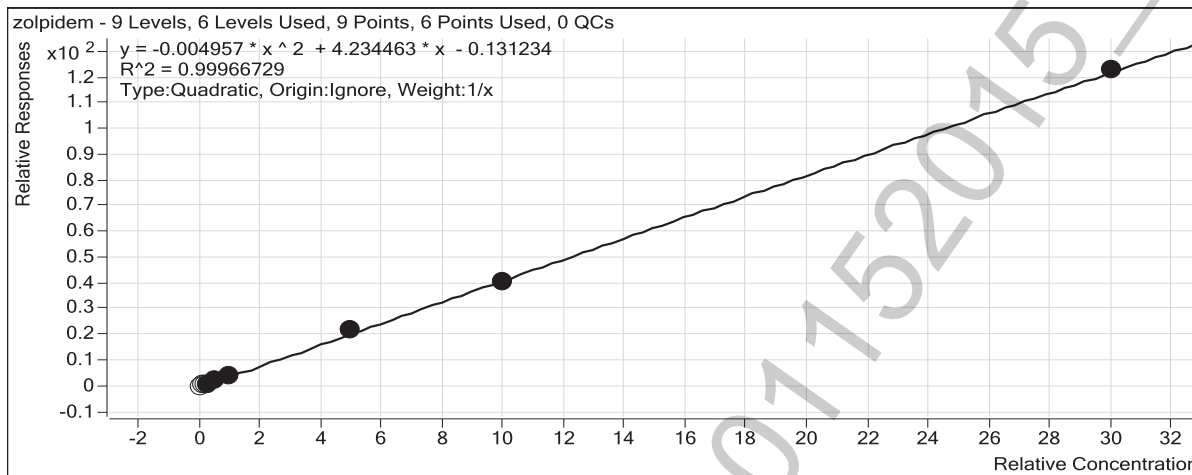| Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
5 ngmL	1	☐	5	6.8	136.4
10 ngmL	2	☐	10	11.9	119.2
15 ngmL	3	☐	15	15.8	105.5
25 ngmL	4	☑	25	24.5	97.9
50 ngmL	5	☑	50	51.0	102.0
100 ngmL	6	☑	100	98.4	98.4
500 ngmL	7	☑	500	519.6	103.9
1000 ngmL	8	☑	1000	977.0	97.7
3000 ngmL	9	☑	3000	3004.6	100.2

ISP Forensics
Calibration Curve Report

Batch Data Path   C:\MassHunter\Data\BZ-B-011515\QuantResults\BZ-B-011515lowcal.batch.bin

Last Calib Update   1/16/2015 12:16 PM   **Analyst Name**   ISP TOX

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

Chlordiazepoxide - 9 Levels, 6 Levels Used, 9 Points, 6 Points Used, 0 QCs

$y = -0.006701 * x^2 + 5.213549 * x - 0.578930$
$R^2 = 0.99962879$
Type:Quadratic, Origin:Ignore, Weight:1/x

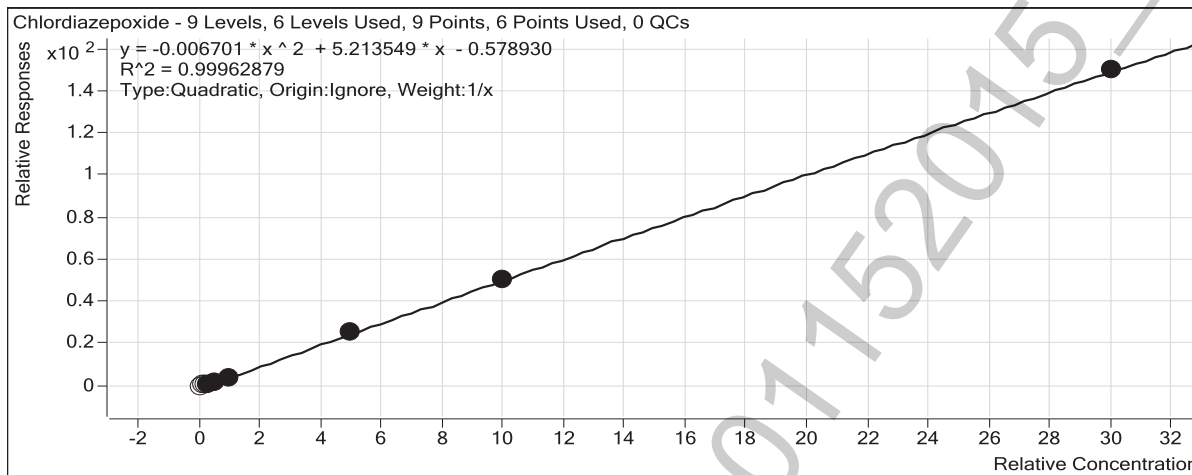| Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
5 ngmL	1	☐	5	14.1	281.9
10 ngmL	2	☐	10	17.6	175.8
15 ngmL	3	☐	15	20.1	133.7
25 ngmL	4	☑	25	27.5	109.9
50 ngmL	5	☑	50	49.2	98.4
100 ngmL	6	☑	100	89.9	89.9
500 ngmL	7	☑	500	509.7	101.9
1000 ngmL	8	☑	1000	1000.2	100.0
3000 ngmL	9	☑	3000	2998.5	100.0

ISP Forensics
Calibration Curve Report

Batch Data Path   C:\MassHunter\Data\BZ-B-011515\QuantResults\BZ-B-011515lowcal.batch.bin

Last Calib Update   1/16/2015 12:16 PM   **Analyst Name**   ISP TOX

Target Compound   *quetiapine*
Internal Standard   *Oxazepam D5 ISTD*

quetiapine - 9 Levels, 6 Levels Used, 9 Points, 6 Points Used, 0 QCs

$y = 1.041483 * x - 0.061115$
$R^2 = 0.99817837$
Type:Linear, Origin:Ignore, Weight:1/x

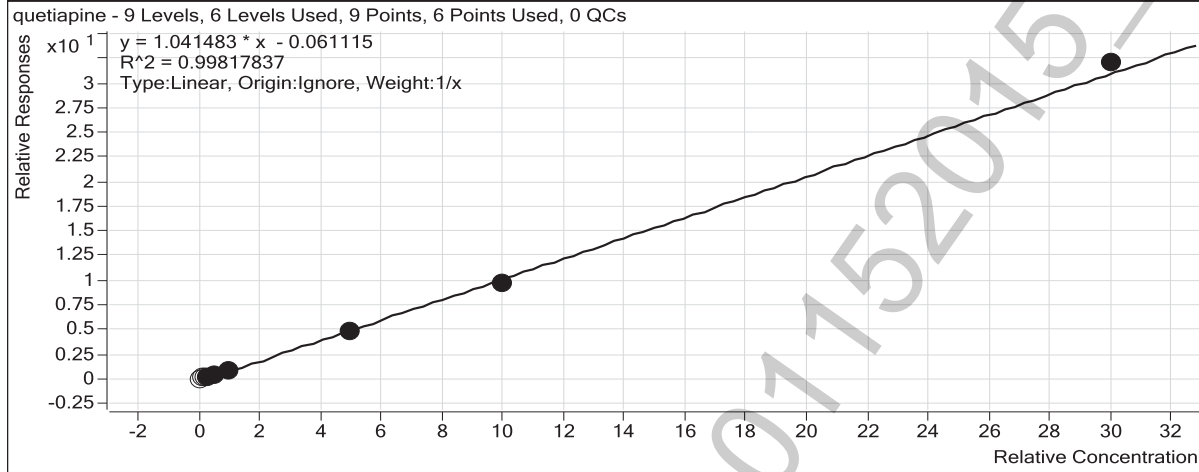| Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
5 ngmL	1	☐	5	10.1	201.9
10 ngmL	2	☐	10	14.4	144.3
15 ngmL	3	☐	15	18.3	121.9
25 ngmL	4	☑	25	26.7	106.7
50 ngmL	5	☑	50	53.1	106.3
100 ngmL	6	☑	100	94.5	94.5
500 ngmL	7	☑	500	480.0	96.0
1000 ngmL	8	☑	1000	937.4	93.7
3000 ngmL	9	☑	3000	3083.2	102.8

ISP Forensics
Calibration Curve Report

Batch Data Path C:\MassHunter\Data\BZ-B-011515\QuantResults\BZ-B-011515lowcal.batch.bin

Last Calib Update 1/16/2015 12:16 PM   **Analyst Name** ISP TOX

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

Midazolam - 9 Levels, 5 Levels Used, 9 Points, 5 Points Used, 0 QCs

$y = -0.001742 * x \wedge 2 + 0.536796 * x + 0.059796$
$R\wedge2 = 0.99979117$
Type:Quadratic, Origin:Ignore, Weight:1/y

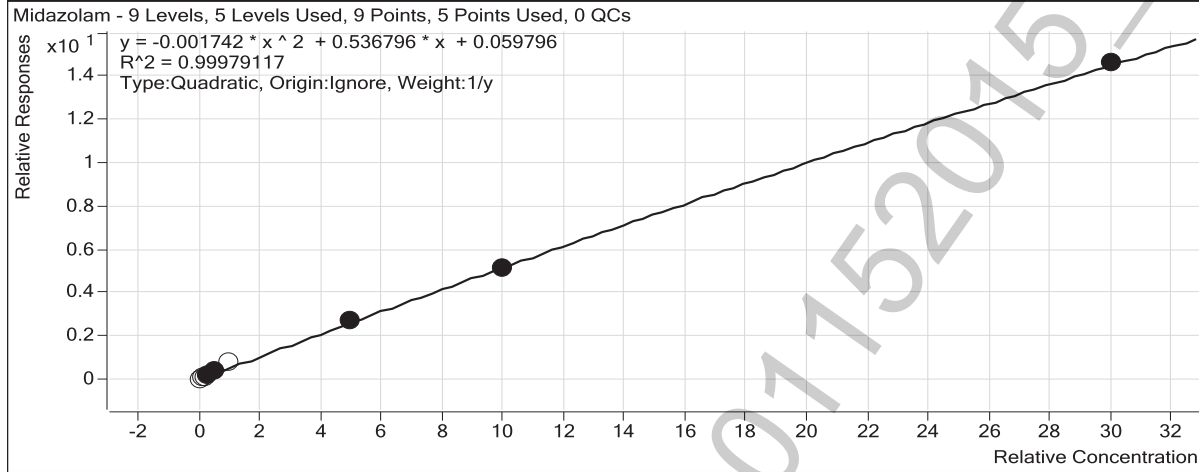| Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
5 ngmL	1	☐	5	0.0	0.0
10 ngmL	2	☐	10	1.4	14.2
15 ngmL	3	☐	15	6.8	45.3
25 ngmL	4	☑	25	22.5	90.2
50 ngmL	5	☑	50	54.4	108.9
100 ngmL	6	☐	100	134.1	134.1
500 ngmL	7	☑	500	509.0	101.8
1000 ngmL	8	☑	1000	986.7	98.7
3000 ngmL	9	☑	3000	3003.2	100.1

ISP Forensics
Calibration Curve Report

Batch Data Path   C:\MassHunter\Data\BZ-B-011515\QuantResults\BZ-B-011515lowcal.batch.bin

Last Calib Update   1/16/2015 12:16 PM   **Analyst Name**   ISP TOX

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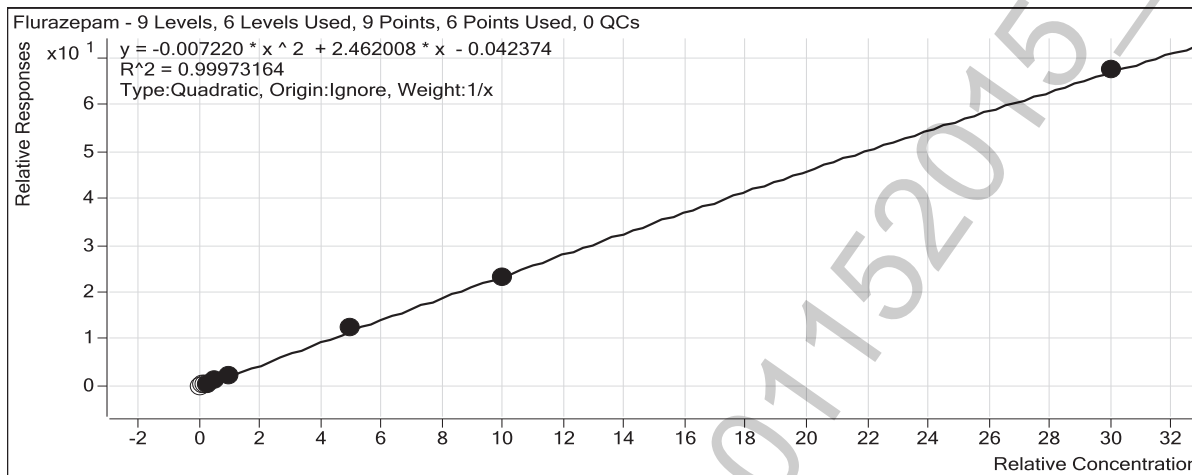*Internal Standard*   *Diazepam-D5 ISTD*

Flurazepam - 9 Levels, 6 Levels Used, 9 Points, 6 Points Used, 0 QCs

$y = -0.007220 * x^2 + 2.462008 * x - 0.042374$
$R^2 = 0.99973164$
Type:Quadratic, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
5 ngmL	1	☐	5	5.7	113.4
10 ngmL	2	☐	10	10.6	105.7
15 ngmL	3	☐	15	15.2	101.6
25 ngmL	4	☑	25	25.0	99.8
50 ngmL	5	☑	50	49.9	99.9
100 ngmL	6	☑	100	98.7	98.7
500 ngmL	7	☑	500	517.6	103.5
1000 ngmL	8	☑	1000	979.6	98.0
3000 ngmL	9	☑	3000	3004.4	100.1

ISP Forensics
Calibration Curve Report

Batch Data Path   C:\MassHunter\Data\BZ-B-011515\QuantResults\BZ-B-011515lowcal.batch.bin

Last Calib Update   1/16/2015 12:16 PM   **Analyst Name**   ISP TOX

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

Nitrazepam - 9 Levels, 6 Levels Used, 9 Points, 6 Points Used, 0 QCs

$y = -0.001887 * x^2 + 1.322338 * x - 0.036766$
$R^2 = 0.99968549$
Type:Quadratic, Origin:Ignore, Weight:1/x

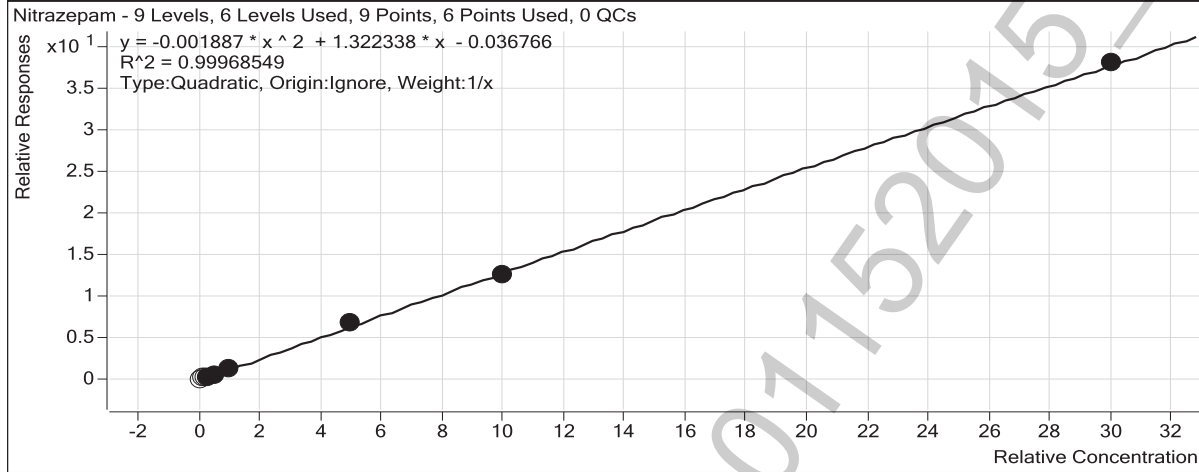| Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
5 ngmL	1	☐	5	7.1	142.7
10 ngmL	2	☐	10	12.5	124.9
15 ngmL	3	☐	15	15.5	103.5
25 ngmL	4	☑	25	24.7	98.8
50 ngmL	5	☑	50	48.1	96.1
100 ngmL	6	☑	100	104.0	104.0
500 ngmL	7	☑	500	515.9	103.2
1000 ngmL	8	☑	1000	977.2	97.7
3000 ngmL	9	☑	3000	3005.1	100.2

ISP Forensics
Calibration Curve Report

Batch Data Path   C:\MassHunter\Data\BZ-B-011515\QuantResults\BZ-B-011515lowcal.batch.bin

Last Calib Update   1/16/2015 12:16 PM   **Analyst Name**   ISP TOX

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

alpha-Hydroxyalprazolam - 9 Levels, 6 Levels Used, 9 Points, 6 Points Used, 0 QCs

$y = 0.001352 * x \wedge 2 + 0.674609 * x - 0.066354$

$R\wedge2 = 0.99522883$

Type:Quadratic, Origin:Ignore, Weight:$1/x\wedge2$

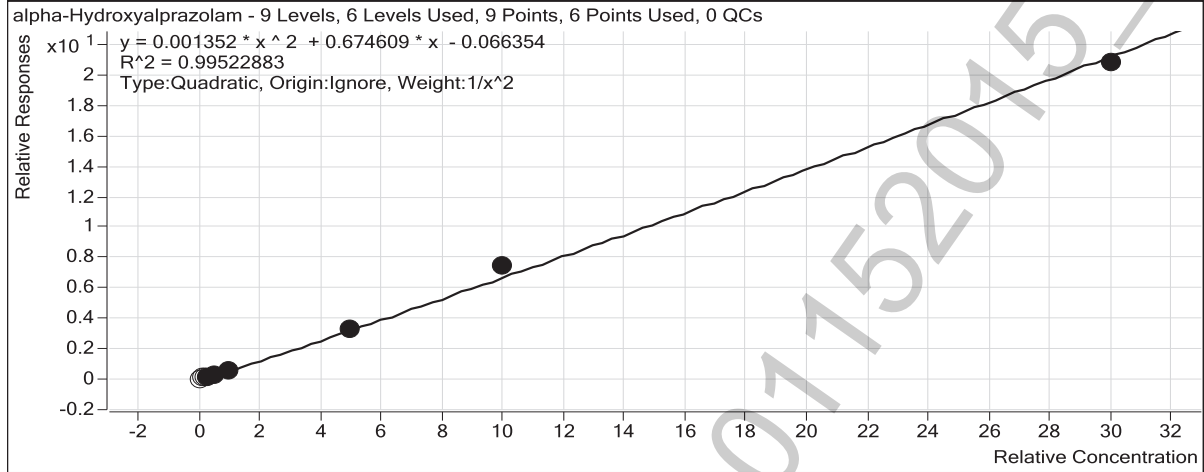| Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
5 ngmL	1	☐	5	13.4	268.6
10 ngmL	2	☐	10	17.1	170.8
15 ngmL	3	☐	15	19.4	129.3
25 ngmL	4	☑	25	25.9	103.5
50 ngmL	5	☑	50	47.0	94.1
100 ngmL	6	☑	100	97.6	97.6
500 ngmL	7	☑	500	487.6	97.5
1000 ngmL	8	☑	1000	1098.9	109.9
3000 ngmL	9	☑	3000	2923.3	97.4

ISP Forensics
Calibration Curve Report

Batch Data Path   C:\MassHunter\Data\BZ-B-011515\QuantResults\BZ-B-011515lowcal.batch.bin

Last Calib Update   1/16/2015 12:16 PM   **Analyst Name**   ISP TOX

Target Compound   alpha-hydroxytriazolam
Internal Standard   Nordiazepam-D5 ISTD

alpha-hydroxytriazolam - 9 Levels, 6 Levels Used, 9 Points, 6 Points Used, 0 QCs

$y = 1.009347E\text{-}004 * x \char94 2 + 0.349348 * x - 0.023851$
$R\char94 2 = 0.99983138$
Type:Quadratic, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
5 ngmL	1	☐	5	9.9	198.7
10 ngmL	2	☐	10	14.6	146.2
15 ngmL	3	☐	15	18.7	124.9
25 ngmL	4	☑	25	25.2	100.8
50 ngmL	5	☑	50	52.9	105.7
100 ngmL	6	☑	100	92.7	92.7
500 ngmL	7	☑	500	501.9	100.4
1000 ngmL	8	☑	1000	1003.6	100.4
3000 ngmL	9	☑	3000	2998.7	100.0

ISP Forensics
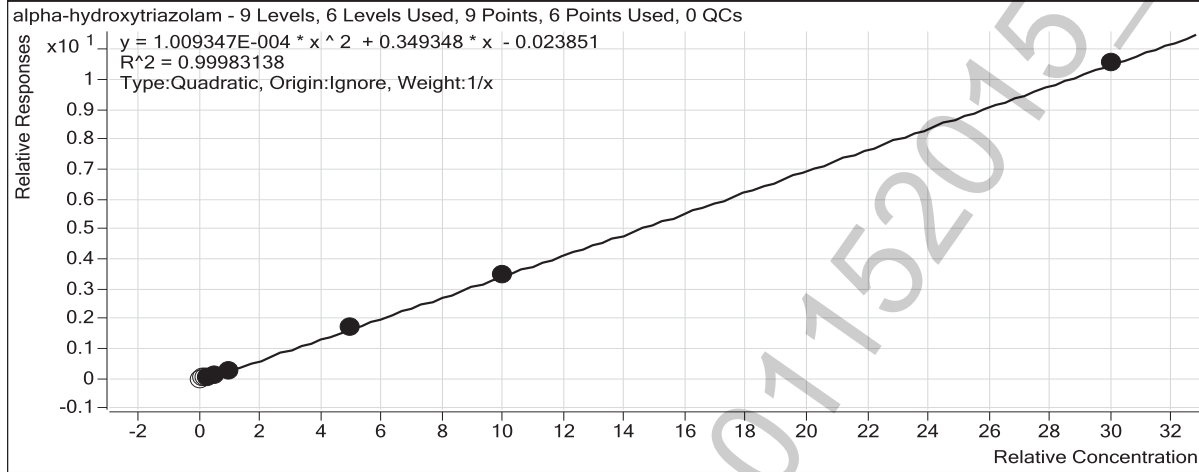## Calibration Curve Report

Batch Data Path   C:\MassHunter\Data\BZ-B-011515\QuantResults\BZ-B-011515lowcal.batch.bin

Last Calib Update   1/16/2015 12:16 PM   **Analyst Name**   ISP TOX

Target Compound   *Oxazepam*
Internal Standard   *Oxazepam D5 ISTD*

Oxazepam - 9 Levels, 6 Levels Used, 9 Points, 6 Points Used, 0 QCs

$y = 0.002544 * x ^ 2 + 1.002964 * x - 0.024791$
$R^2 = 0.99984224$
Type:Quadratic, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
5 ngmL	1	☐	5	6.7	133.6
10 ngmL	2	☐	10	11.9	119.0
15 ngmL	3	☐	15	15.7	104.4
25 ngmL	4	☑	25	23.3	93.3
50 ngmL	5	☑	50	51.6	103.3
100 ngmL	6	☑	100	102.9	102.9
500 ngmL	7	☑	500	509.8	102.0
1000 ngmL	8	☑	1000	984.0	98.4
3000 ngmL	9	☑	3000	3003.3	100.1

ISP Forensics
Calibration Curve Report

Batch Data Path   C:\MassHunter\Data\BZ-B-011515\QuantResults\BZ-B-011515lowcal.batch.bin

Last Calib Update   1/16/2015 12:16 PM   **Analyst Name**   ISP TOX

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

Nordiazepam - 9 Levels, 6 Levels Used, 9 Points, 6 Points Used, 0 QCs

$y = -0.005419 * x ^ 2 + 2.327556 * x - 0.119330$
$R^2 = 0.99999487$
Type:Quadratic, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
5 ngmL	1	☐	5	8.9	177.3
10 ngmL	2	☐	10	13.7	137.0
15 ngmL	3	☐	15	16.8	112.2
25 ngmL	4	☑	25	25.2	101.0
50 ngmL	5	☑	50	49.8	99.7
100 ngmL	6	☑	100	99.1	99.1
500 ngmL	7	☑	500	501.9	100.4
1000 ngmL	8	☑	1000	998.8	99.9
3000 ngmL	9	☑	3000	3000.1	100.0

ISP Forensics
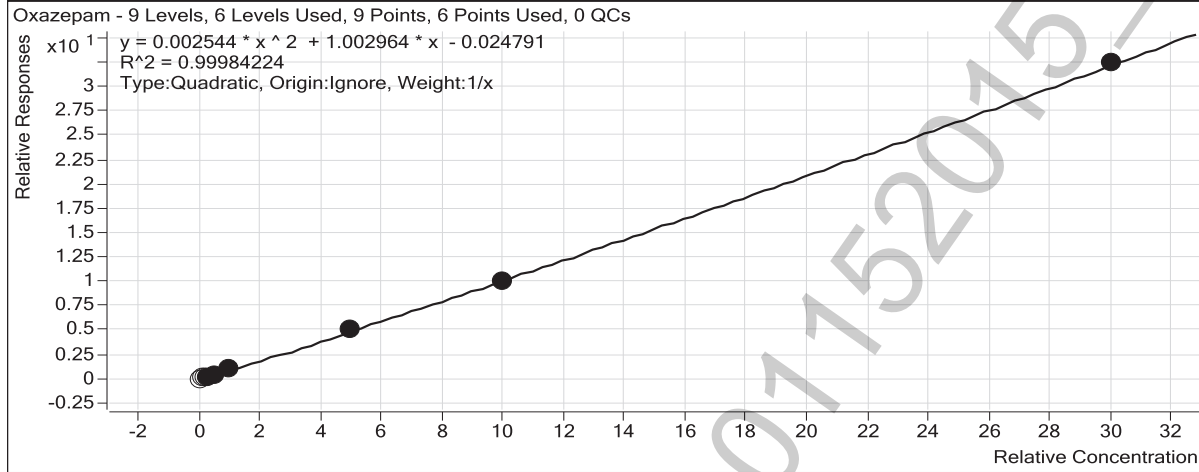# Calibration Curve Report

Batch Data Path   C:\MassHunter\Data\BZ-B-011515\QuantResults\BZ-B-011515lowcal.batch.bin

Last Calib Update   1/16/2015 12:16 PM   **Analyst Name**   ISP TOX

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

Clonazepam - 9 Levels, 6 Levels Used, 9 Points, 6 Points Used, 0 QCs

$y = -0.002426 * x \wedge 2 + 0.720899 * x - 0.065071$
$R\wedge 2 = 0.99914615$
Type:Quadratic, Origin:Ignore, Weight:1/x

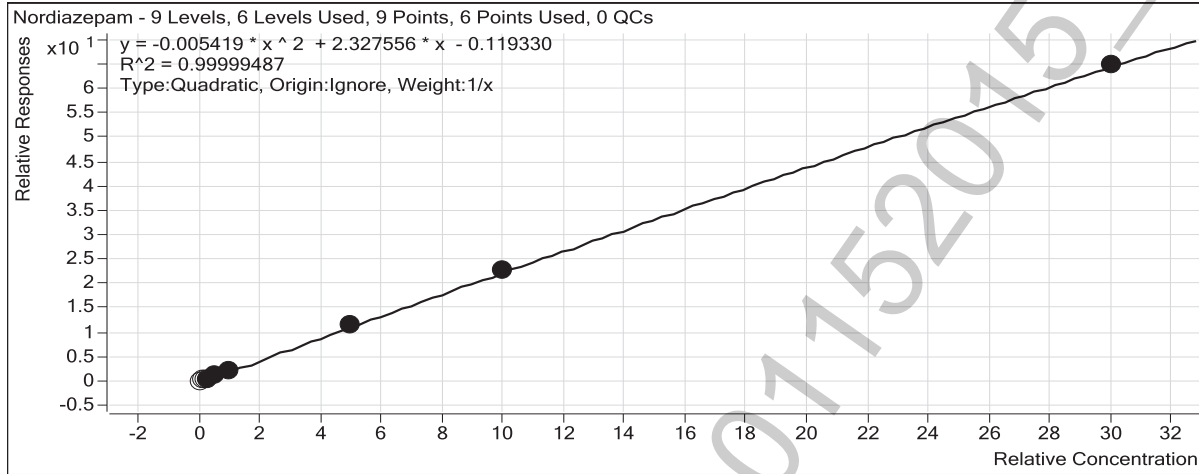| Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
5 ngmL	1	☐	5	12.3	245.3
10 ngmL	2	☐	10	16.8	168.4
15 ngmL	3	☐	15	19.1	127.3
25 ngmL	4	☑	25	28.4	113.5
50 ngmL	5	☑	50	46.5	92.9
100 ngmL	6	☑	100	90.3	90.3
500 ngmL	7	☑	500	524.8	105.0
1000 ngmL	8	☑	1000	983.1	98.3
3000 ngmL	9	☑	3000	3002.0	100.1

ISP Forensics
Calibration Curve Report

Batch Data Path C:\MassHunter\Data\BZ-B-011515\QuantResults\BZ-B-011515lowcal.batch.bin

Last Calib Update 1/16/2015 12:16 PM   **Analyst Name**   ISP TOX

Target Compound *Lorazepam*
Internal Standard *Oxazepam D5 ISTD*

Lorazepam - 8 Levels, 5 Levels Used, 8 Points, 5 Points Used, 0 QCs

$y = 2.260687E\text{-}004 * x \wedge 2 + 0.102256 * x + 0.001520$

$R\wedge 2 = 0.99986975$

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

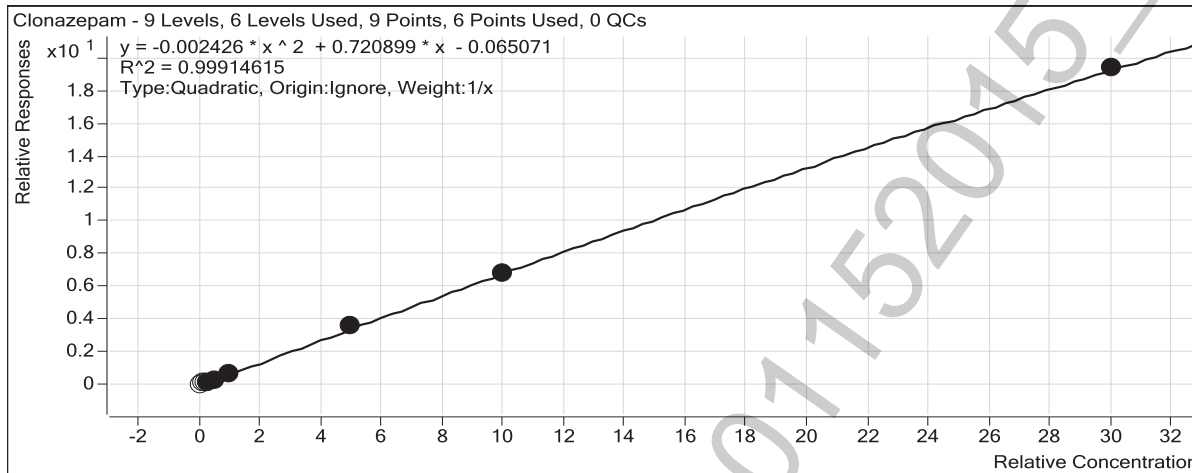| Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ngmL	2	☐	10	9.7	97.2
15 ngmL	3	☐	15	12.2	81.7
25 ngmL	4	☐	25	24.4	97.5
50 ngmL	5	☑	50	50.1	100.2
100 ngmL	6	☑	100	98.5	98.5
500 ngmL	7	☑	500	512.7	102.5
1000 ngmL	8	☑	1000	986.4	98.6
3000 ngmL	9	☑	3000	3002.3	100.1

ISP Forensics
Calibration Curve Report

Batch Data Path   C:\MassHunter\Data\BZ-B-011515\QuantResults\BZ-B-011515lowcal.batch.bin

Last Calib Update   1/16/2015 12:16 PM   **Analyst Name**   ISP TOX

Target Compound   *Alprazolam*

Internal Standard   *alphahydroxyalprazolam-D5 ISTD*

Alprazolam - 9 Levels, 6 Levels Used, 9 Points, 6 Points Used, 0 QCs

$y = -0.010037 * x \wedge 2 + 3.286631 * x - 0.299915$
$R^2 = 0.99438957$
Type:Quadratic, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
5 ngmL	1	☐	5	13.0	259.1
10 ngmL	2	☐	10	15.4	154.0
15 ngmL	3	☐	15	18.5	123.3
25 ngmL	4	☑	25	25.6	102.3
50 ngmL	5	☑	50	49.8	99.5
100 ngmL	6	☑	100	90.7	90.7
500 ngmL	7	☑	500	507.8	101.6
1000 ngmL	8	☑	1000	1094.3	109.4
3000 ngmL	9	☑	3000	2894.0	96.5

ISP Forensics
Calibration Curve Report
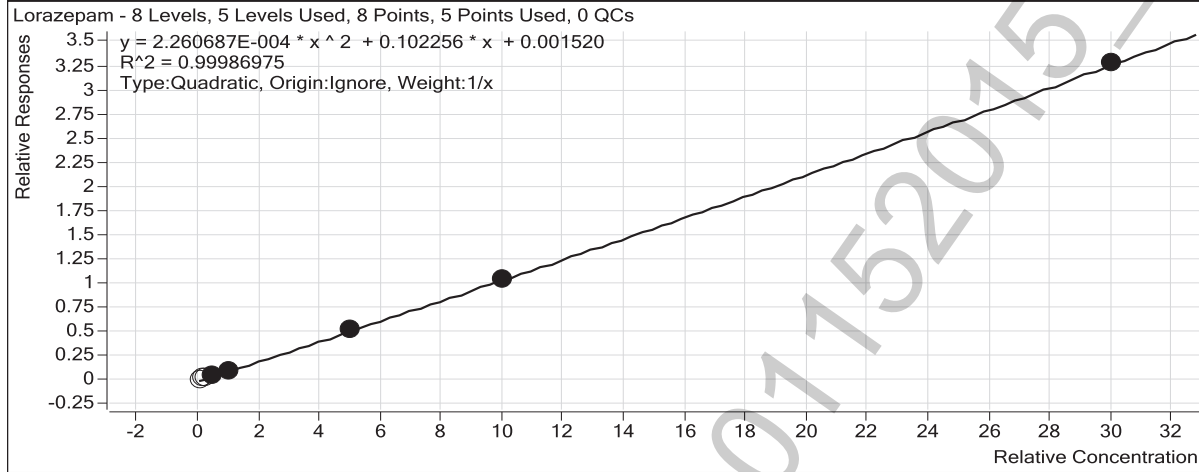
Batch Data Path   C:\MassHunter\Data\BZ-B-011515\QuantResults\BZ-B-011515lowcal.batch.bin

Last Calib Update   1/16/2015 12:16 PM   **Analyst Name**   ISP TOX

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

Flunitrazepam - 9 Levels, 6 Levels Used, 9 Points, 6 Points Used, 0 QCs

$y = -0.004370 * x ^ 2 + 1.633050 * x - 0.148954$
$R^2 = 0.99938412$
Type:Quadratic, Origin:Ignore, Weight:1/x

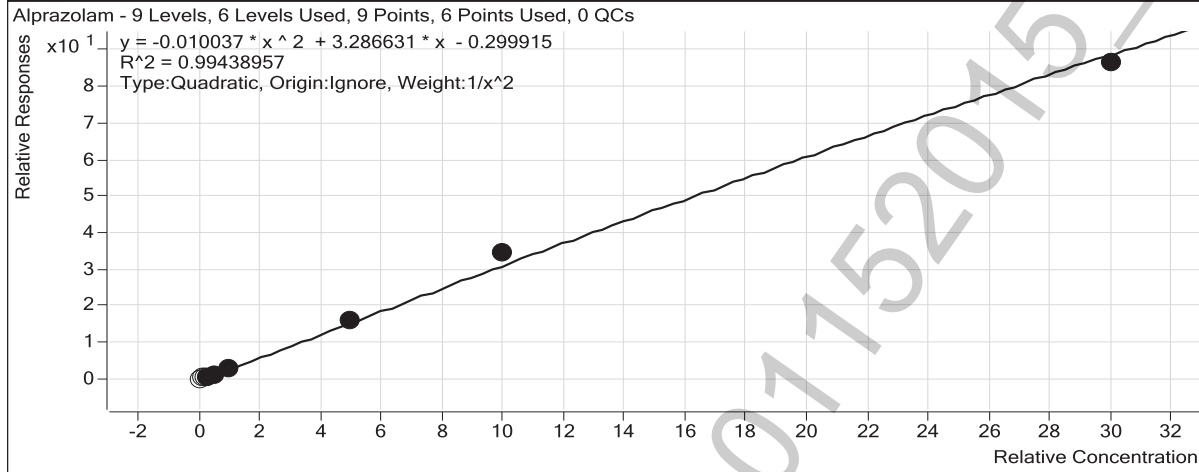| Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
5 ngmL	1	☐	5	12.9	257.9
10 ngmL	2	☐	10	15.8	157.6
15 ngmL	3	☐	15	20.1	133.7
25 ngmL	4	☑	25	27.6	110.6
50 ngmL	5	☑	50	46.6	93.1
100 ngmL	6	☑	100	93.4	93.4
500 ngmL	7	☑	500	523.1	104.6
1000 ngmL	8	☑	1000	981.5	98.2
3000 ngmL	9	☑	3000	3002.8	100.1

ISP Forensics
Calibration Curve Report

Batch Data Path   C:\MassHunter\Data\BZ-B-011515\QuantResults\BZ-B-011515lowcal.batch.bin

Last Calib Update   1/16/2015 12:16 PM   **Analyst Name**   ISP TOX

Target Compound   Temazepam
Internal Standard   Oxazepam D5 ISTD

Temazepam - 9 Levels, 6 Levels Used, 9 Points, 6 Points Used, 0 QCs

$y = 0.006441 * x \wedge 2 + 1.991980 * x - 0.158541$
$R \wedge 2 = 0.99958446$
Type:Quadratic, Origin:Ignore, Weight:1/x

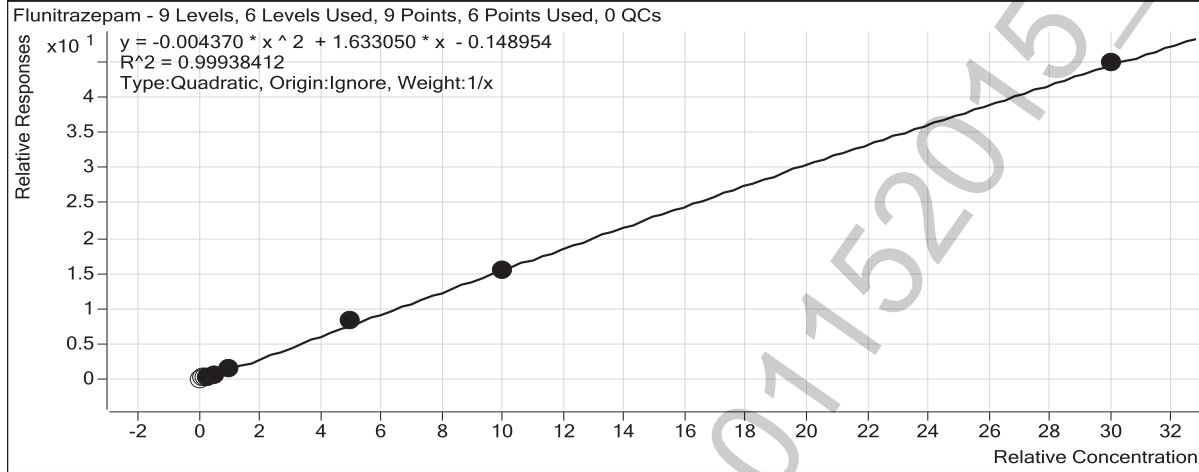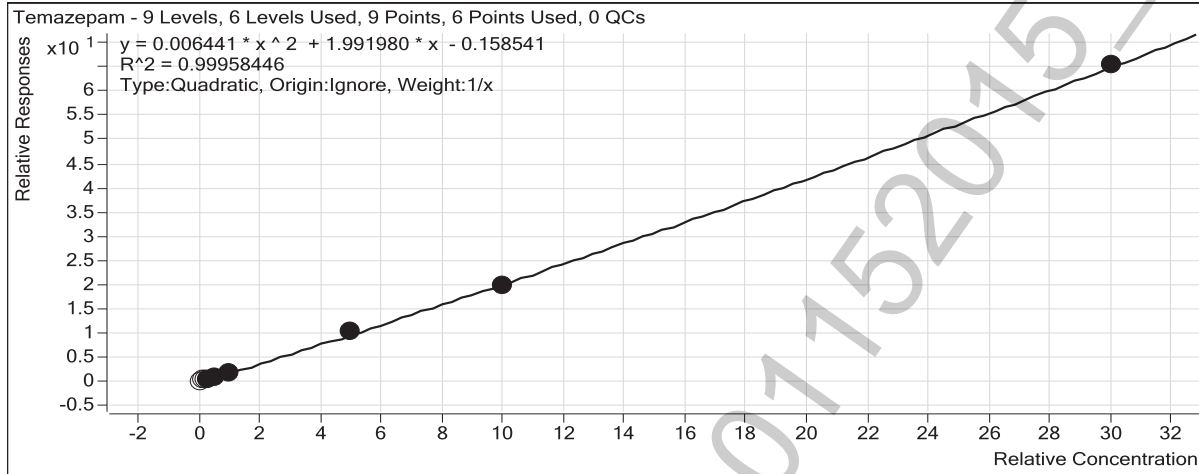| Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
5 ngmL	1	☐	5	11.6	231.9
10 ngmL	2	☐	10	15.5	155.4
15 ngmL	3	☐	15	19.2	128.2
25 ngmL	4	☑	25	26.5	106.1
50 ngmL	5	☑	50	48.9	97.9
100 ngmL	6	☑	100	93.4	93.4
500 ngmL	7	☑	500	522.3	104.5
1000 ngmL	8	☑	1000	981.4	98.1
3000 ngmL	9	☑	3000	3002.5	100.1

ISP Forensics
Calibration Curve Report

Batch Data Path   C:\MassHunter\Data\BZ-B-011515\QuantResults\BZ-B-011515lowcal.batch.bin

Last Calib Update   1/16/2015 12:16 PM   **Analyst Name**   ISP TOX

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

Diazepam - 9 Levels, 6 Levels Used, 9 Points, 6 Points Used, 0 QCs

$y = -0.002741 * x^2 + 1.340014 * x - 0.113956$
$R^2 = 0.99972992$
Type:Quadratic, Origin:Ignore, Weight:1/x
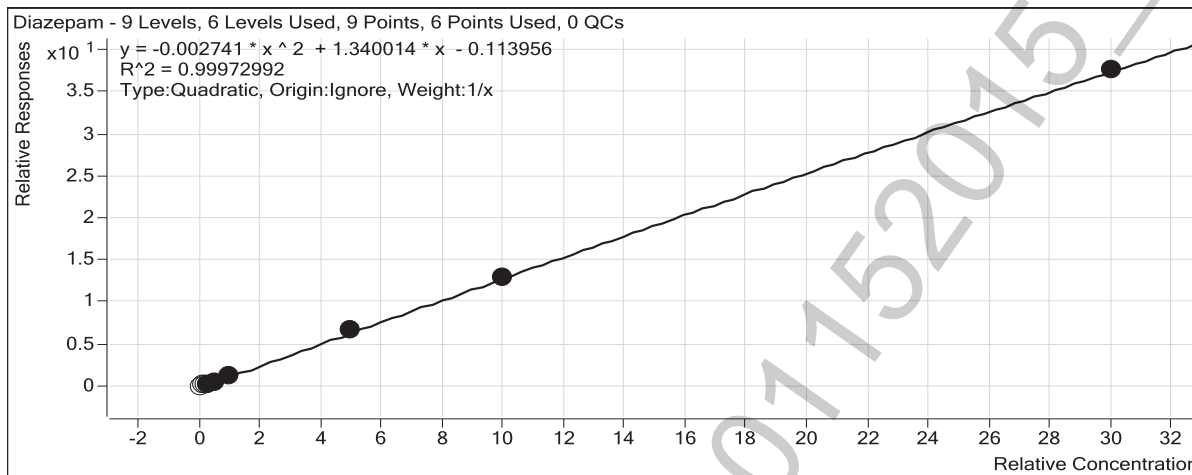
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
5 ngmL	1	☐	5	11.9	238.6
10 ngmL	2	☐	10	15.8	157.5
15 ngmL	3	☐	15	19.5	129.9
25 ngmL	4	☑	25	27.0	108.1
50 ngmL	5	☑	50	48.5	96.9
100 ngmL	6	☑	100	93.1	93.1
500 ngmL	7	☑	500	512.5	102.5
1000 ngmL	8	☑	1000	993.7	99.4
3000 ngmL	9	☑	3000	3000.2	100.0

ISP FORENSICS
Pocatello
Benzodiazepine Analysis Report

Batch Data Path	C:\MassHunter\Data\BZ-B-011515\QuantResults\BZ-B-011515lowcal.batch.bin		
Analysis Time	1/16/2015 12:16 PM	**Analyst Name**	ISPUser
Report Time	1/16/2015 12:18 PM	**Reporter Name**	ISPUser
Last Calib Update	1/16/2015 12:16 PM	**Batch State**	Processed

Analysis Info

Acq Time	2015-01-15 12:55	**Data File**	Blank2-r001.d
Sample Type	Blank	**Sample Name**	Blank
Dilution	1	**Acq Method**	Benzos_Z_Drugs_ACN_FA_ISP.m
Position	P1-A1	**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-B-011515\QuantResults\BZ-B-011515lowcal.batch.bin

Analysis Time	1/16/2015 12:16 PM	**Analyst Name**	ISPUser
Report Time	1/16/2015 12:18 PM	**Reporter Name**	ISPUser
Last Calib Update	1/16/2015 12:16 PM	**Batch State**	Processed

Analysis Info

Acq Time	2015-01-15 13:09	**Data File**	5 ngmL-r001.d
Sample Type	Calibration	**Sample Name**	5 ngmL
Dilution	1	**Acq Method**	Benzos_Z_Drugs_ACN_FA_ISP.m
Position	P1-A2	**Sample Info**	
Inj Vol	-1	**Comment**	AM 6.1.1 Benzo and Z by LCQQQ
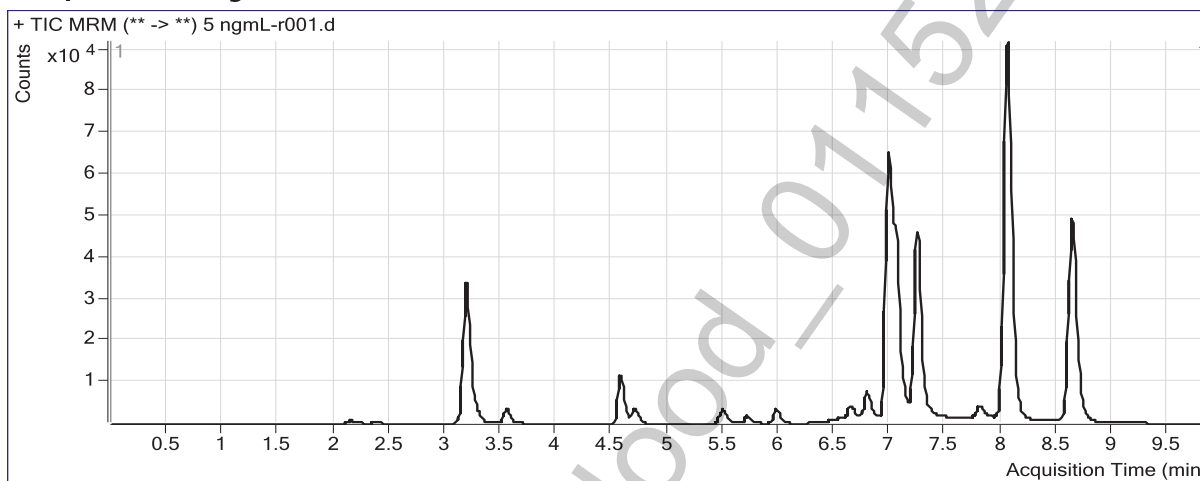
Sample Chromatogram

+ TIC MRM (** -> **) 5 ngmL-r001.d

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
7-Aminoclonazepam	7-Aminoflunitrazepam-D7 ISTD	2.158	2710	135503	0.0200	9.8725
7-Aminoflunitrazepam	7-Aminoflunitrazepam-D7 ISTD	3.295	5439	135503	0.0401	6.7770
zopiclone	Oxazepam D5 ISTD	3.548	10189	218071	0.0467	6.3428
zolpidem	Oxazepam D5 ISTD	4.566	34360	218071	0.1576	6.8206
Chlordiazepoxide	Nordiazepam-D5 ISTD	4.704	11142	71579	0.1557	14.0925
quetiapine	Oxazepam D5 ISTD	5.485	9601	218071	0.0440	10.0955
Midazolam	Clonazepam-D4 ISTD	5.706	5164	151698	0.0340	0.0000
Flurazepam	Diazepam-D5 ISTD	5.970	11456	117924	0.0971	5.6679
Nitrazepam	Clonazepam-D4 ISTD	6.646	8738	151698	0.0576	7.1373
alpha-Hydroxyalprazolam	alphahydroxyalprazolam-D5 ISTD	6.827	484	19925	0.0243	13.4311
alpha-hydroxytriazolam	Nordiazepam-D5 ISTD	6.867	778	71579	0.0109	9.9370
Oxazepam	Oxazepam D5 ISTD	7.031	9203	218071	0.0422	6.6783
Nordiazepam	Nordiazepam-D5 ISTD	7.142	6222	71579	0.0869	8.8634
Clonazepam	Clonazepam-D4 ISTD	7.282	3535	151698	0.0233	12.2640
Alprazolam	alphahydroxyalprazolam-D5 ISTD	7.460	2503	19925	0.1256	12.9525
Flunitrazepam	Clonazepam-D4 ISTD	7.804	9338	151698	0.0616	12.8952
Temazepam	Oxazepam D5 ISTD	8.109	15803	218071	0.0725	11.5925
Diazepam	Diazepam-D5 ISTD	8.731	5412	117924	0.0459	11.9318

ISP FORENSICS
Pocatello
Benzodiazepine Analysis Report
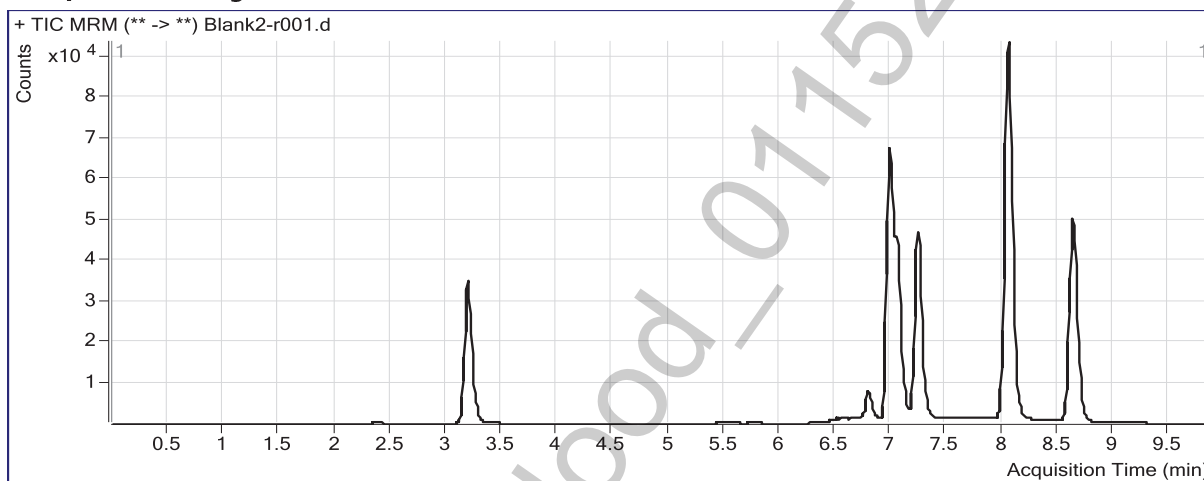
Batch Data Path	C:\MassHunter\Data\BZ-B-011515\QuantResults\BZ-B-011515lowcal.batch.bin		
Analysis Time	1/16/2015 12:16 PM	**Analyst Name**	ISPUser
Report Time	1/16/2015 12:18 PM	**Reporter Name**	ISPUser
Last Calib Update	1/16/2015 12:16 PM	**Batch State**	Processed

Analysis Info

Acq Time	2015-01-15 13:24	**Data File**	10 ngmL-r001.d
Sample Type	Calibration	**Sample Name**	10 ngmL
Dilution	1	**Acq Method**	Benzos_Z_Drugs_ACN_FA_ISP.m
Position	P1-A3	**Sample Info**	
Inj Vol	-1	**Comment**	AM 6.1.1 Benzo and Z by LCQQQ
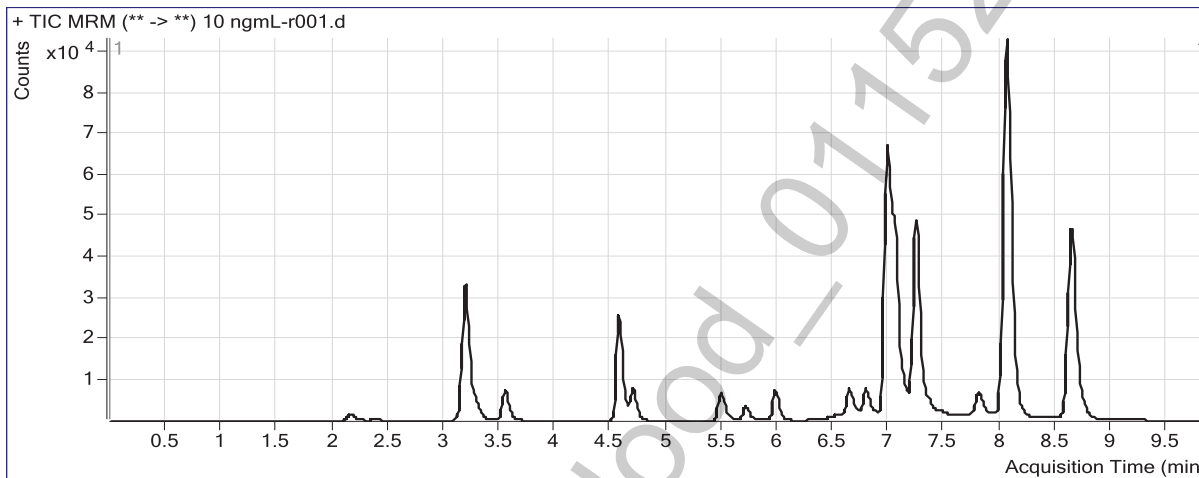
Sample Chromatogram

+ TIC MRM (** -> **) 10 ngmL-r001.d

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
7-Aminoclonazepam	7-Aminoflunitrazepam-D7 ISTD	2.164	5628	132560	0.0425	14.1924
7-Aminoflunitrazepam	7-Aminoflunitrazepam-D7 ISTD	3.295	10931	132560	0.0825	11.2487
zopiclone	Oxazepam D5 ISTD	3.548	19906	218686	0.0910	10.4645
zolpidem	Oxazepam D5 ISTD	4.566	81684	218686	0.3735	11.9218
Chlordiazepoxide	Nordiazepam-D5 ISTD	4.696	23763	70405	0.3375	17.5823
quetiapine	Oxazepam D5 ISTD	5.485	19498	218686	0.0892	14.4288
Midazolam	Clonazepam-D4 ISTD	5.706	10197	151262	0.0674	1.4186
Flurazepam	Diazepam-D5 ISTD	5.970	24722	113505	0.2178	10.5712
Nitrazepam	Clonazepam-D4 ISTD	6.646	19422	151262	0.1284	12.4925
alpha-Hydroxyalprazolam	alphahydroxyalprazolam-D5 ISTD	6.819	973	19903	0.0489	17.0751
alpha-hydroxytriazolam	Nordiazepam-D5 ISTD	6.867	1917	70405	0.0272	14.6220
Oxazepam	Oxazepam D5 ISTD	7.023	20697	218686	0.0946	11.9045
Nordiazepam	Nordiazepam-D5 ISTD	7.142	14041	70405	0.1994	13.6994
Clonazepam	Clonazepam-D4 ISTD	7.274	8508	151262	0.0562	16.8382
Lorazepam	Oxazepam D5 ISTD	7.348	2506	218686	0.0115	9.7160
Alprazolam	alphahydroxyalprazolam-D5 ISTD	7.451	4099	19903	0.2060	15.3992
Flunitrazepam	Clonazepam-D4 ISTD	7.804	16373	151262	0.1082	15.7561
Temazepam	Oxazepam D5 ISTD	8.109	33047	218686	0.1511	15.5374
Diazepam	Diazepam-D5 ISTD	8.731	11014	113505	0.0970	15.7507

ISP FORENSICS
Pocatello
Benzodiazepine Analysis Report

Batch Data Path	C:\MassHunter\Data\BZ-B-011515\QuantResults\BZ-B-011515lowcal.batch.bin		
Analysis Time	1/16/2015 12:16 PM	**Analyst Name**	ISPUser
Report Time	1/16/2015 12:18 PM	**Reporter Name**	ISPUser
Last Calib Update	1/16/2015 12:16 PM	**Batch State**	Processed

Analysis Info

Acq Time	2015-01-15 13:38	**Data File**	15 ngmL-r001.d
Sample Type	Calibration	**Sample Name**	15 ngmL
Dilution	1	**Acq Method**	Benzos_Z_Drugs_ACN_FA_ISP.m
Position	P1-A4	**Sample Info**	
Inj Vol	-1	**Comment**	AM 6.1.1 Benzo and Z by LCQQQ
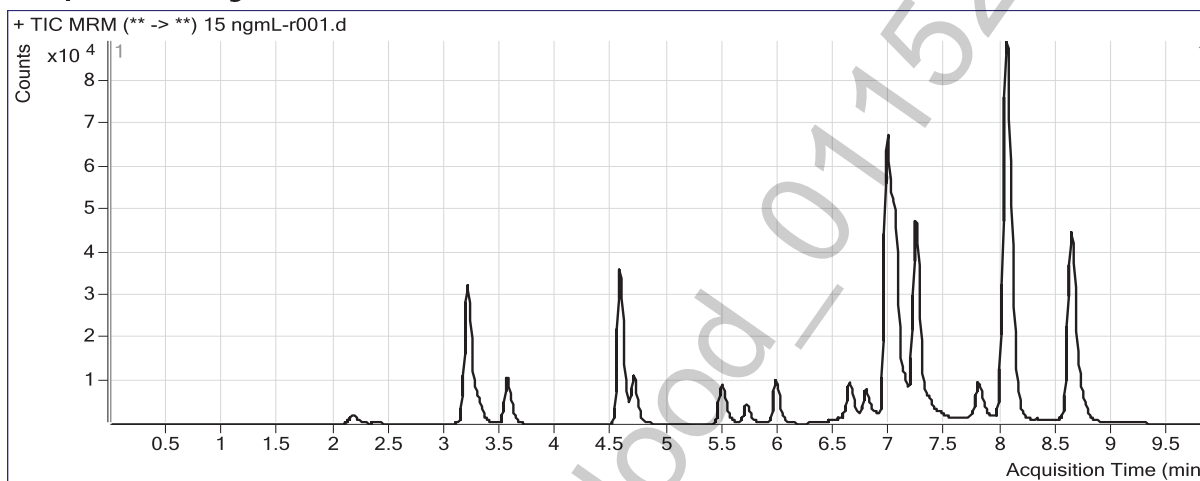
Sample Chromatogram

+ TIC MRM (** -> **) 15 ngmL-r001.d

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
7-Aminoclonazepam	7-Aminoflunitrazepam-D7 ISTD	2.168	7641	128825	0.0593	17.4360
7-Aminoflunitrazepam	7-Aminoflunitrazepam-D7 ISTD	3.303	14827	128825	0.1151	14.6965
zopiclone	Oxazepam D5 ISTD	3.556	29318	209644	0.1398	15.0053
zolpidem	Oxazepam D5 ISTD	4.566	112931	209644	0.5387	15.8234
Chlordiazepoxide	Nordiazepam-D5 ISTD	4.696	33611	72056	0.4665	20.0565
quetiapine	Oxazepam D5 ISTD	5.485	27117	209644	0.1293	18.2875
Midazolam	Clonazepam-D4 ISTD	5.706	14139	146893	0.0963	6.7931
Flurazepam	Diazepam-D5 ISTD	5.961	35896	107944	0.3325	15.2350
Nitrazepam	Clonazepam-D4 ISTD	6.638	24741	146893	0.1684	15.5212
alpha-Hydroxyalprazolam	alphahydroxyalprazolam-D5 ISTD	6.802	1270	19681	0.0645	19.3951
alpha-hydroxytriazolam	Nordiazepam-D5 ISTD	6.858	2997	72056	0.0416	18.7320
Oxazepam	Oxazepam D5 ISTD	7.006	27753	209644	0.1324	15.6647
Nordiazepam	Nordiazepam-D5 ISTD	7.134	19615	72056	0.2722	16.8290
Clonazepam	Clonazepam-D4 ISTD	7.257	10649	146893	0.0725	19.0950
Lorazepam	Oxazepam D5 ISTD	7.348	2945	209644	0.0140	12.2487
Alprazolam	alphahydroxyalprazolam-D5 ISTD	7.435	6054	19681	0.3076	18.4953
Flunitrazepam	Clonazepam-D4 ISTD	7.787	26215	146893	0.1785	20.0601
Temazepam	Oxazepam D5 ISTD	8.092	47124	209644	0.2248	19.2314
Diazepam	Diazepam-D5 ISTD	8.723	15867	107944	0.1470	19.4814

ISP FORENSICS
Pocatello
Benzodiazepine Analysis Report

Batch Data Path	C:\MassHunter\Data\BZ-B-011515\QuantResults\BZ-B-011515lowcal.batch.bin		
Analysis Time	1/16/2015 12:16 PM	**Analyst Name**	ISPUser
Report Time	1/16/2015 12:18 PM	**Reporter Name**	ISPUser
Last Calib Update	1/16/2015 12:16 PM	**Batch State**	Processed

Analysis Info

Acq Time	2015-01-15 13:53	**Data File**	25 ngmL_r001.d
Sample Type	Calibration	**Sample Name**	25 ngmL
Dilution	1	**Acq Method**	Benzos_Z_Drugs_ACN_FA_ISP.m
Position	P1-A5	**Sample Info**	
Inj Vol	-1	**Comment**	AM 6.1.1 Benzo and Z by LCQQQ
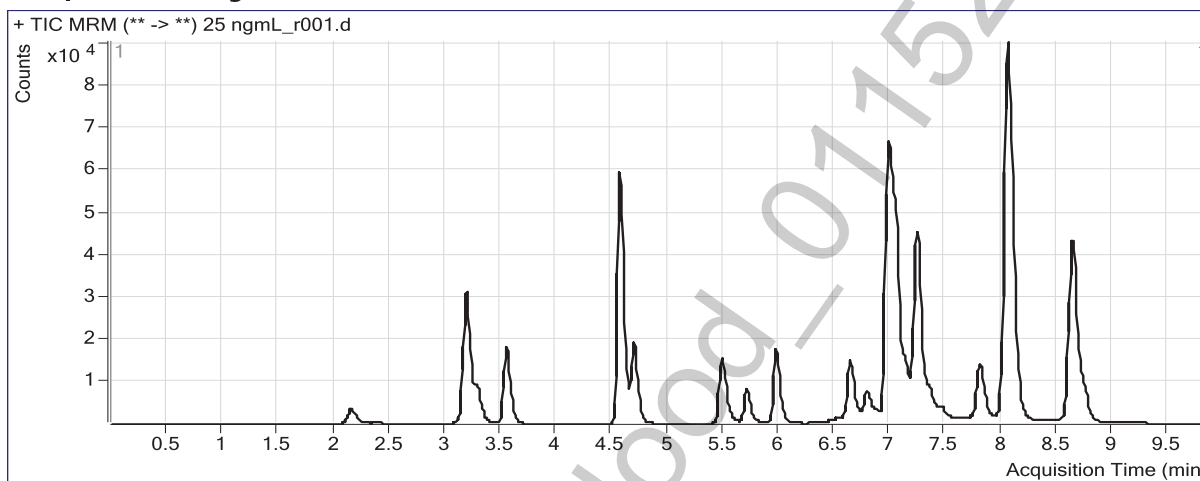
Sample Chromatogram

+ TIC MRM (** -> **) 25 ngmL_r001.d

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
7-Aminoclonazepam	7-Aminoflunitrazepam-D7 ISTD	2.160	12995	123771	0.1050	26.2254
7-Aminoflunitrazepam	7-Aminoflunitrazepam-D7 ISTD	3.295	25779	123771	0.2083	24.5456
zopiclone	Oxazepam D5 ISTD	3.548	49355	208499	0.2367	24.0085
zolpidem	Oxazepam D5 ISTD	4.566	188631	208499	0.9047	24.4716
Chlordiazepoxide	Nordiazepam-D5 ISTD	4.696	56966	66829	0.8524	27.4639
quetiapine	Oxazepam D5 ISTD	5.485	45173	208499	0.2167	26.6710
Midazolam	Clonazepam-D4 ISTD	5.706	25337	140177	0.1807	22.5487
Flurazepam	Diazepam-D5 ISTD	5.970	60179	105261	0.5717	24.9609
Nitrazepam	Clonazepam-D4 ISTD	6.638	40600	140177	0.2896	24.6920
alpha-Hydroxyalprazolam	alphahydroxyalprazolam-D5 ISTD	6.827	2071	19136	0.1082	25.8655
alpha-hydroxytriazolam	Nordiazepam-D5 ISTD	6.867	4292	66829	0.0642	25.2085
Oxazepam	Oxazepam D5 ISTD	7.014	43644	208499	0.2093	23.3284
Nordiazepam	Nordiazepam-D5 ISTD	7.142	31260	66829	0.4678	25.2383
Clonazepam	Clonazepam-D4 ISTD	7.274	19518	140177	0.1392	28.3677
Lorazepam	Oxazepam D5 ISTD	7.348	5515	208499	0.0265	24.3687
Alprazolam	alphahydroxyalprazolam-D5 ISTD	7.460	10329	19136	0.5397	25.5677
Flunitrazepam	Clonazepam-D4 ISTD	7.804	42361	140177	0.3022	27.6469
Temazepam	Oxazepam D5 ISTD	8.101	77168	208499	0.3701	26.5163
Diazepam	Diazepam-D5 ISTD	8.731	26113	105261	0.2481	27.0320

ISP FORENSICS
Pocatello
Benzodiazepine Analysis Report

Batch Data Path	C:\MassHunter\Data\BZ-B-011515\QuantResults\BZ-B-011515lowcal.batch.bin		
Analysis Time	1/16/2015 12:16 PM	**Analyst Name**	ISPUser
Report Time	1/16/2015 12:18 PM	**Reporter Name**	ISPUser
Last Calib Update	1/16/2015 12:16 PM	**Batch State**	Processed

Analysis Info

Acq Time	2015-01-15 14:08	**Data File**	50 ngmL_r001.d
Sample Type	Calibration	**Sample Name**	50 ngmL
Dilution	1	**Acq Method**	Benzos_Z_Drugs_ACN_FA_ISP.m
Position	P1-A6	**Sample Info**	
Inj Vol	-1	**Comment**	AM 6.1.1 Benzo and Z by LCQQQ
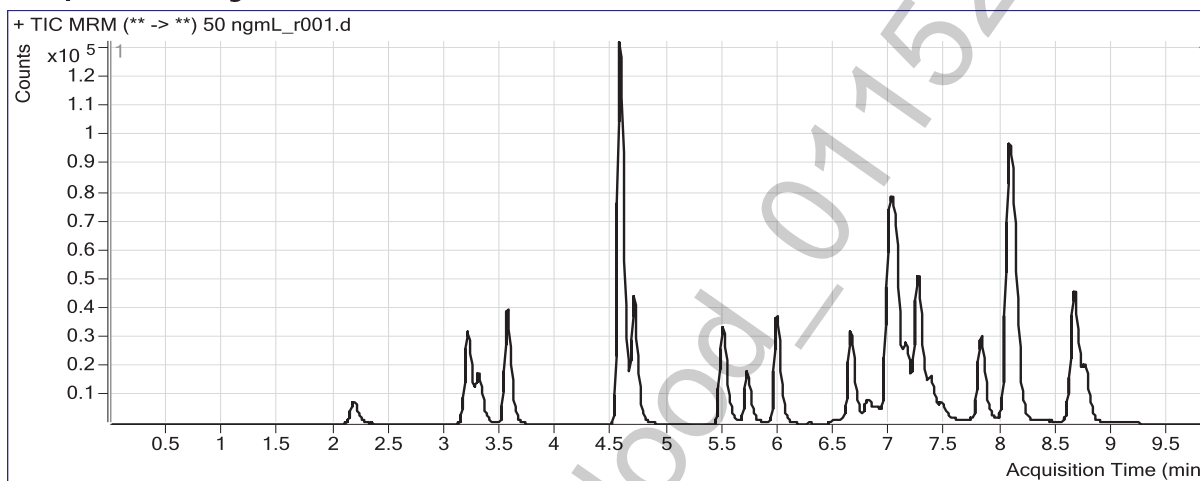
Sample Chromatogram

+ TIC MRM (** -> **) 50 ngmL_r001.d

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
7-Aminoclonazepam	7-Aminoflunitrazepam-D7 ISTD	2.180	27948	124651	0.2242	49.1671
7-Aminoflunitrazepam	7-Aminoflunitrazepam-D7 ISTD	3.311	55111	124651	0.4421	49.2777
zopiclone	Oxazepam D5 ISTD	3.556	107520	206547	0.5206	50.3448
zolpidem	Oxazepam D5 ISTD	4.566	418641	206547	2.0269	50.9953
Chlordiazepoxide	Nordiazepam-D5 ISTD	4.696	131240	66167	1.9835	49.1796
quetiapine	Oxazepam D5 ISTD	5.493	101674	206547	0.4923	53.1331
Midazolam	Clonazepam-D4 ISTD	5.706	55023	156522	0.3515	54.4448
Flurazepam	Diazepam-D5 ISTD	5.978	128849	108706	1.1853	49.9381
Nitrazepam	Clonazepam-D4 ISTD	6.646	93665	156522	0.5984	48.0677
alpha-Hydroxyalprazolam	alphahydroxyalprazolam-D5 ISTD	6.827	4544	18081	0.2513	47.0476
alpha-hydroxytriazolam	Nordiazepam-D5 ISTD	6.875	10644	66167	0.1609	52.8664
Oxazepam	Oxazepam D5 ISTD	7.023	101981	206547	0.4937	51.6325
Nordiazepam	Nordiazepam-D5 ISTD	7.142	68772	66167	1.0394	49.8397
Clonazepam	Clonazepam-D4 ISTD	7.282	42150	156522	0.2693	46.4539
Lorazepam	Oxazepam D5 ISTD	7.365	10911	206547	0.0528	50.1188
Alprazolam	alphahydroxyalprazolam-D5 ISTD	7.460	24111	18081	1.3335	49.7735
Flunitrazepam	Clonazepam-D4 ISTD	7.813	95567	156522	0.6106	46.5671
Temazepam	Oxazepam D5 ISTD	8.117	168916	206547	0.8178	48.9365
Diazepam	Diazepam-D5 ISTD	8.748	58150	108706	0.5349	48.4720

ISP FORENSICS
Pocatello
Benzodiazepine Analysis Report

|			
Batch Data Path	C:\MassHunter\Data\BZ-B-011515\QuantResults\BZ-B-011515lowcal.batch.bin		
Analysis Time	1/16/2015 12:16 PM	**Analyst Name**	ISPUser
Report Time	1/16/2015 12:18 PM	**Reporter Name**	ISPUser
Last Calib Update	1/16/2015 12:16 PM	**Batch State**	Processed

Analysis Info

Acq Time	2015-01-15 14:22	**Data File**	100 ngmL_r001.d
Sample Type	Calibration	**Sample Name**	100 ngmL
Dilution	1	**Acq Method**	Benzos_Z_Drugs_ACN_FA_ISP.m
Position	P1-A7	**Sample Info**	
Inj Vol	-1	**Comment**	AM 6.1.1 Benzo and Z by LCQQQ
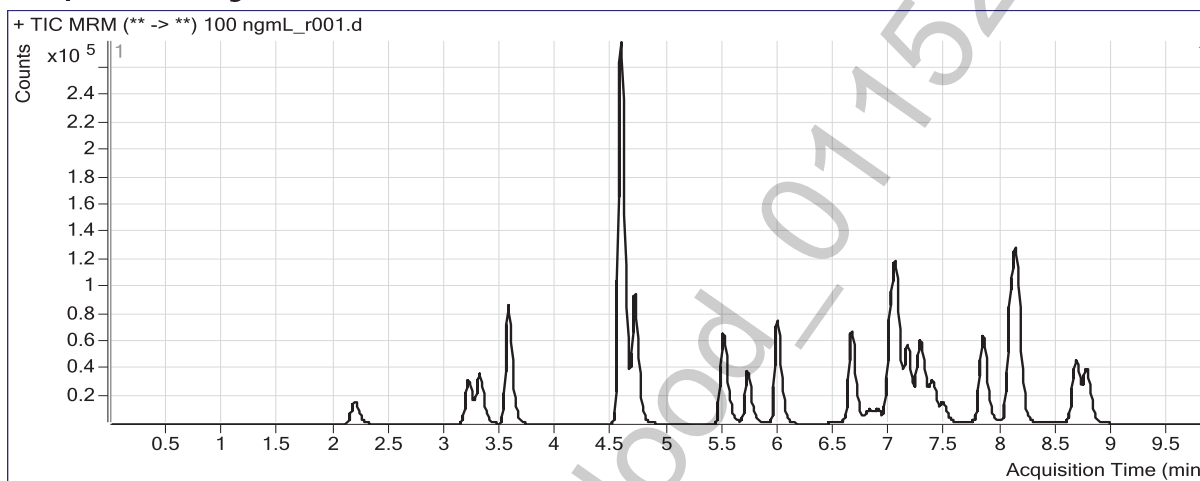
Sample Chromatogram

+ TIC MRM (** -> **) 100 ngmL_r001.d

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
7-Aminoclonazepam	7-Aminoflunitrazepam-D7 ISTD	2.191	59339	126178	0.4703	96.5297
7-Aminoflunitrazepam	7-Aminoflunitrazepam-D7 ISTD	3.311	120438	126178	0.9545	103.5486
zopiclone	Oxazepam D5 ISTD	3.565	235074	219745	1.0698	101.1132
zolpidem	Oxazepam D5 ISTD	4.575	885319	219745	4.0289	98.3568
Chlordiazepoxide	Nordiazepam-D5 ISTD	4.704	284200	69298	4.1011	89.8713
quetiapine	Oxazepam D5 ISTD	5.493	202909	219745	0.9234	94.5287
Midazolam	Clonazepam-D4 ISTD	5.715	119459	153804	0.7767	134.1355
Flurazepam	Diazepam-D5 ISTD	5.978	262529	110319	2.3797	98.6647
Nitrazepam	Clonazepam-D4 ISTD	6.654	205588	153804	1.3367	104.0196
alpha-Hydroxyalprazolam	alphahydroxyalprazolam-D5 ISTD	6.836	11765	19839	0.5930	97.5517
alpha-hydroxytriazolam	Nordiazepam-D5 ISTD	6.883	20804	69298	0.3002	92.7362
Oxazepam	Oxazepam D5 ISTD	7.040	222036	219745	1.0104	102.9472
Nordiazepam	Nordiazepam-D5 ISTD	7.159	151207	69298	2.1820	99.1014
Clonazepam	Clonazepam-D4 ISTD	7.290	89795	153804	0.5838	90.2866
Lorazepam	Oxazepam D5 ISTD	7.373	22517	219745	0.1025	98.5071
Alprazolam	alphahydroxyalprazolam-D5 ISTD	7.468	53022	19839	2.6726	90.6923
Flunitrazepam	Clonazepam-D4 ISTD	7.830	211130	153804	1.3727	93.4133
Temazepam	Oxazepam D5 ISTD	8.134	375117	219745	1.7071	93.3737
Diazepam	Diazepam-D5 ISTD	8.764	124728	110319	1.1306	93.0542

ISP FORENSICS
Pocatello
Benzodiazepine Analysis Report

|			
Batch Data Path	C:\MassHunter\Data\BZ-B-011515\QuantResults\BZ-B-011515lowcal.batch.bin		
Analysis Time	1/16/2015 12:16 PM	**Analyst Name**	ISPUser
Report Time	1/16/2015 12:18 PM	**Reporter Name**	ISPUser
Last Calib Update	1/16/2015 12:16 PM	**Batch State**	Processed

Analysis Info

Acq Time	2015-01-15 14:37	**Data File**	500 ngmL_r001.d
Sample Type	Calibration	**Sample Name**	500 ngmL
Dilution	1	**Acq Method**	Benzos_Z_Drugs_ACN_FA_ISP.m
Position	P1-A8	**Sample Info**	
Inj Vol	-1	**Comment**	AM 6.1.1 Benzo and Z by LCQQQ
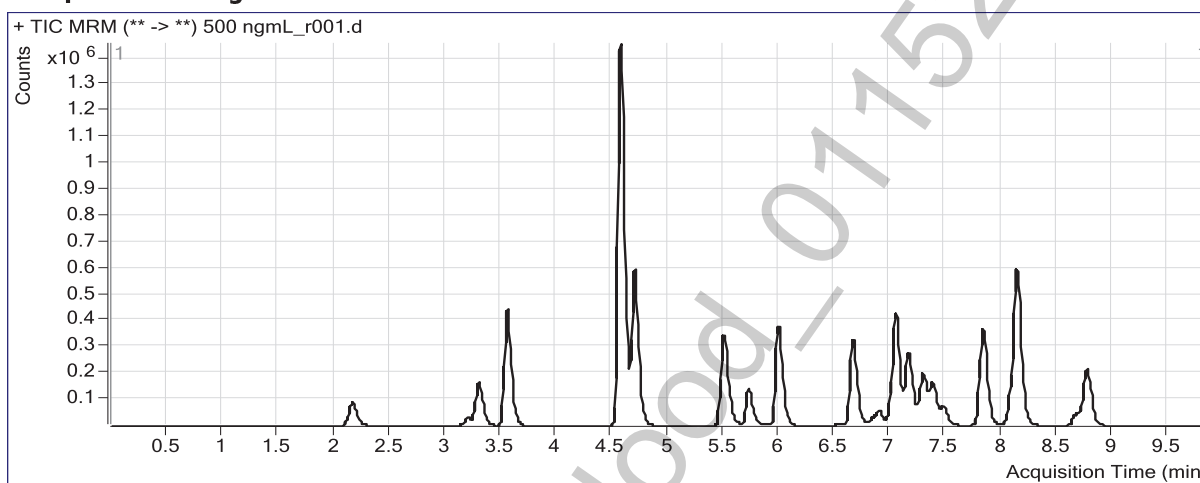
Sample Chromatogram

+ TIC MRM (** -> **) 500 ngmL_r001.d

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
7-Aminoclonazepam	7-Aminoflunitrazepam-D7 ISTD	2.167	331256	129756	2.5529	498.0058
7-Aminoflunitrazepam	7-Aminoflunitrazepam-D7 ISTD	3.303	605903	129756	4.6695	500.3334
zopiclone	Oxazepam D5 ISTD	3.556	1253194	217422	5.7639	525.3654
zolpidem	Oxazepam D5 ISTD	4.575	4725876	217422	21.7359	519.5697
Chlordiazepoxide	Nordiazepam-D5 ISTD	4.704	1808873	70055	25.8208	509.7080
quetiapine	Oxazepam D5 ISTD	5.502	1073727	217422	4.9384	480.0421
Midazolam	Clonazepam-D4 ISTD	5.723	417299	151911	2.7470	509.0059
Flurazepam	Diazepam-D5 ISTD	5.986	1368343	109406	12.5070	517.5776
Nitrazepam	Clonazepam-D4 ISTD	6.662	1023186	151911	6.7354	515.9349
alpha-Hydroxyalprazolam	alphahydroxyalprazolam-D5 ISTD	6.852	63363	19467	3.2549	487.5539
alpha-hydroxytriazolam	Nordiazepam-D5 ISTD	6.900	121342	70055	1.7321	501.9113
Oxazepam	Oxazepam D5 ISTD	7.048	1120693	217422	5.1545	509.8019
Nordiazepam	Nordiazepam-D5 ISTD	7.168	800491	70055	11.4266	501.9208
Clonazepam	Clonazepam-D4 ISTD	7.299	554737	151911	3.6517	524.8466
Lorazepam	Oxazepam D5 ISTD	7.382	115609	217422	0.5317	512.7008
Alprazolam	alphahydroxyalprazolam-D5 ISTD	7.477	314006	19467	16.1301	507.7783
Flunitrazepam	Clonazepam-D4 ISTD	7.830	1257003	151911	8.2746	523.1398
Temazepam	Oxazepam D5 ISTD	8.134	2265829	217422	10.4213	522.3030
Diazepam	Diazepam-D5 ISTD	8.764	730969	109406	6.6812	512.4708

ISP FORENSICS
Pocatello
Benzodiazepine Analysis Report

|			
Batch Data Path	C:\MassHunter\Data\BZ-B-011515\QuantResults\BZ-B-011515lowcal.batch.bin		
Analysis Time	1/16/2015 12:16 PM	**Analyst Name**	ISPUser
Report Time	1/16/2015 12:18 PM	**Reporter Name**	ISPUser
Last Calib Update	1/16/2015 12:16 PM	**Batch State**	Processed

Analysis Info

Acq Time	2015-01-15 14:52	**Data File**	1000 ngmL_r001.d
Sample Type	Calibration	**Sample Name**	1000 ngmL
Dilution	1	**Acq Method**	Benzos_Z_Drugs_ACN_FA_ISP.m
Position	P1-A9	**Sample Info**	
Inj Vol	-1	**Comment**	AM 6.1.1 Benzo and Z by LCQQQ
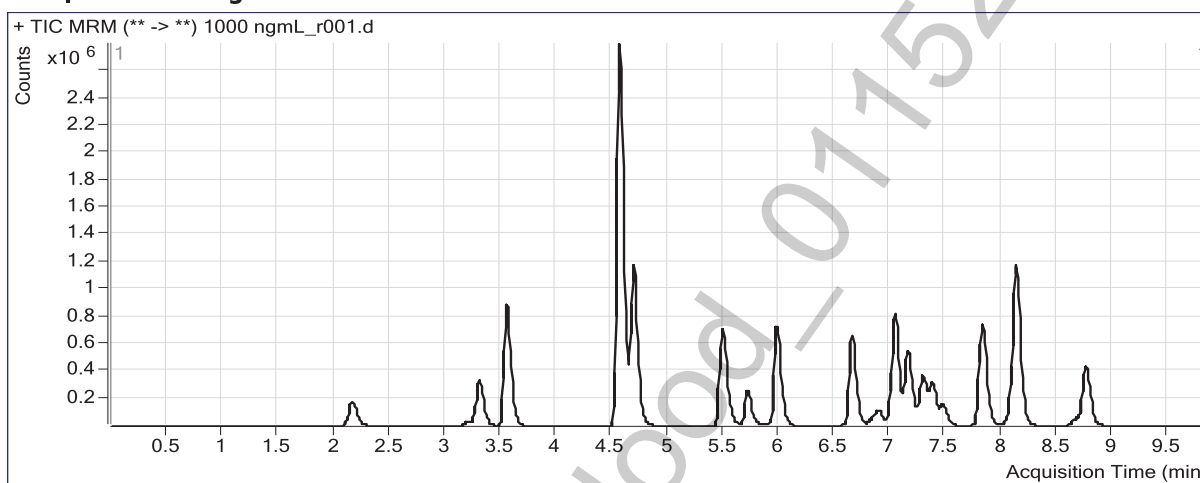
Sample Chromatogram

+ TIC MRM (** -> **) 1000 ngmL_r001.d

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
7-Aminoclonazepam	7-Aminoflunitrazepam-D7 ISTD	2.168	678471	130857	5.1848	1006.9664
7-Aminoflunitrazepam	7-Aminoflunitrazepam-D7 ISTD	3.311	1208315	130857	9.2339	996.0588
zopiclone	Oxazepam D5 ISTD	3.548	2486297	228677	10.8725	969.0096
zolpidem	Oxazepam D5 ISTD	4.566	9322281	228677	40.7661	976.9938
Chlordiazepoxide	Nordiazepam-D5 ISTD	4.696	3637716	71471	50.8979	1000.2250
quetiapine	Oxazepam D5 ISTD	5.485	2218515	228677	9.7015	937.3767
Midazolam	Clonazepam-D4 ISTD	5.715	834786	160953	5.1865	986.6518
Flurazepam	Diazepam-D5 ISTD	5.978	2656745	113624	23.3820	979.5717
Nitrazepam	Clonazepam-D4 ISTD	6.654	2044942	160953	12.7052	977.2200
alpha-Hydroxyalprazolam	alphahydroxyalprazolam-D5 ISTD	6.844	139855	18622	7.5104	1098.9232
alpha-hydroxytriazolam	Nordiazepam-D5 ISTD	6.892	249598	71471	3.4923	1003.5823
Oxazepam	Oxazepam D5 ISTD	7.040	2307559	228677	10.0909	984.0182
Nordiazepam	Nordiazepam-D5 ISTD	7.159	1614327	71471	22.5872	998.7768
Clonazepam	Clonazepam-D4 ISTD	7.290	1092476	160953	6.7876	983.0918
Lorazepam	Oxazepam D5 ISTD	7.373	236025	228677	1.0321	986.3659
Alprazolam	alphahydroxyalprazolam-D5 ISTD	7.477	641767	18622	34.4637	1094.2952
Flunitrazepam	Clonazepam-D4 ISTD	7.830	2488096	160953	15.4585	981.5065
Temazepam	Oxazepam D5 ISTD	8.126	4575962	228677	20.0106	981.3754
Diazepam	Diazepam-D5 ISTD	8.756	1469342	113624	12.9316	993.7405

ISP FORENSICS
Pocatello
Benzodiazepine Analysis Report

|			
Batch Data Path	C:\MassHunter\Data\BZ-B-011515\QuantResults\BZ-B-011515lowcal.batch.bin		
Analysis Time	1/16/2015 12:16 PM	**Analyst Name**	ISPUser
Report Time	1/16/2015 12:18 PM	**Reporter Name**	ISPUser
Last Calib Update	1/16/2015 12:16 PM	**Batch State**	Processed

Analysis Info

Acq Time	2015-01-15 15:06	**Data File**	3000 ngmL_r001.d
Sample Type	Calibration	**Sample Name**	3000 ngmL
Dilution	1	**Acq Method**	Benzos_Z_Drugs_ACN_FA_ISP.m
Position	P1-B1	**Sample Info**	
Inj Vol	-1	**Comment**	AM 6.1.1 Benzo and Z by LCQQQ
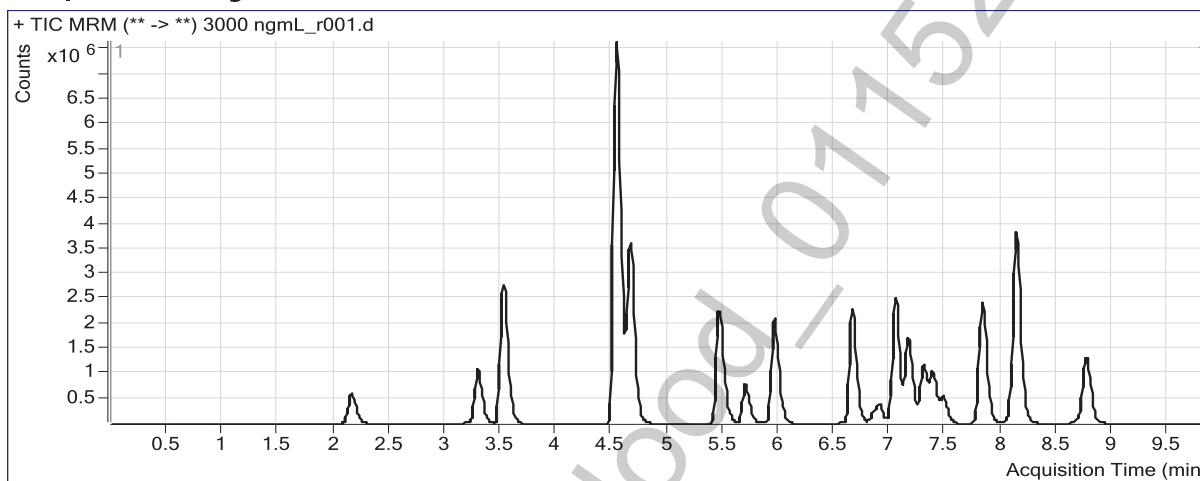
Sample Chromatogram

+ TIC MRM (** -> **) 3000 ngmL_r001.d

Results

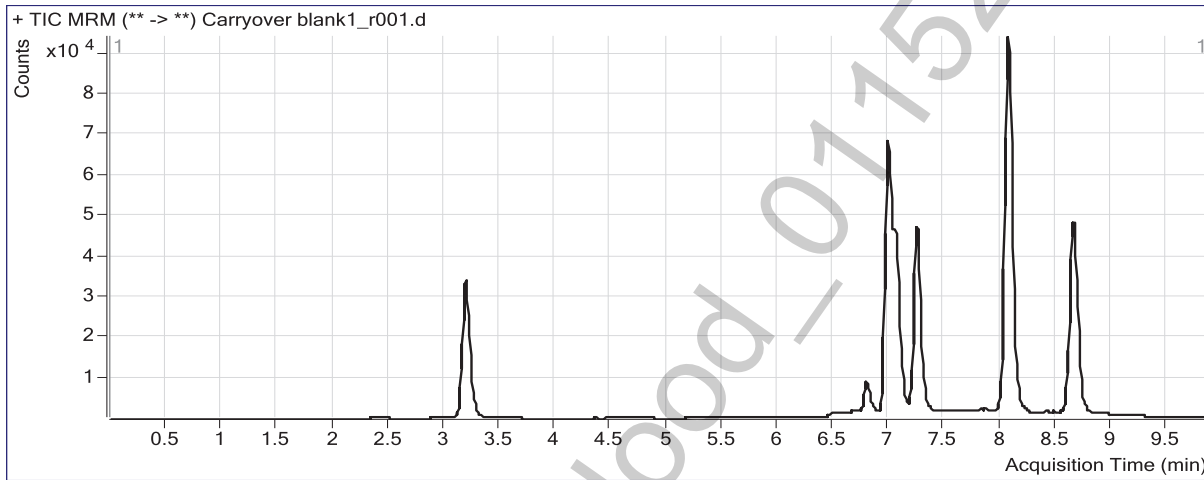| Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
7-Aminoclonazepam	7-Aminoflunitrazepam-D7 ISTD	2.161	2252939	146364	15.3927	2998.1054
7-Aminoflunitrazepam	7-Aminoflunitrazepam-D7 ISTD	3.295	3925913	146364	26.8230	3001.2465
zopiclone	Oxazepam D5 ISTD	3.523	8682957	235035	36.9433	3005.3019
zolpidem	Oxazepam D5 ISTD	4.533	28820920	235035	122.6241	3004.6370
Chlordiazepoxide	Nordiazepam-D5 ISTD	4.662	11812532	78894	149.7267	2998.5479
quetiapine	Oxazepam D5 ISTD	5.460	7532958	235035	32.0504	3083.2484
Midazolam	Clonazepam-D4 ISTD	5.697	2723538	186419	14.6098	3003.2093
Flurazepam	Diazepam-D5 ISTD	5.953	8308468	123255	67.4089	3004.3907
Nitrazepam	Clonazepam-D4 ISTD	6.662	7083383	186419	37.9971	3005.0999
alpha-Hydroxyalprazolam	alphahydroxyalprazolam-D5 ISTD	6.844	533206	25623	20.8099	2923.2678
alpha-hydroxytriazolam	Nordiazepam-D5 ISTD	6.900	831762	78894	10.5428	2998.6949
Oxazepam	Oxazepam D5 ISTD	7.048	7613235	235035	32.3919	3003.3046
Nordiazepam	Nordiazepam-D5 ISTD	7.168	5114921	78894	64.8329	3000.1239
Clonazepam	Clonazepam-D4 ISTD	7.299	3614670	186419	19.3900	3002.0229
Lorazepam	Oxazepam D5 ISTD	7.373	769818	235035	3.2753	3002.3202
Alprazolam	alphahydroxyalprazolam-D5 ISTD	7.477	2214067	25623	86.4103	2894.0367
Flunitrazepam	Clonazepam-D4 ISTD	7.830	8379112	186419	44.9477	3002.7879
Temazepam	Oxazepam D5 ISTD	8.134	15384675	235035	65.4570	3002.5067
Diazepam	Diazepam-D5 ISTD	8.756	4637148	123255	37.6225	3000.2338

Batch Data Path	C:\MassHunter\Data\BZ-B-011515\QuantResults\BZ-B-011515lowcal.batch.bin		
Analysis Time	1/16/2015 12:16 PM	**Analyst Name**	ISPUser
Report Time	1/16/2015 12:18 PM	**Reporter Name**	ISPUser
Last Calib Update	1/16/2015 12:16 PM	**Batch State**	Processed

Analysis Info

Acq Time	2015-01-15 15:21	**Data File**	Carryover blank1_r001.d
Sample Type	Blank	**Sample Name**	Blank
Dilution	1	**Acq Method**	Benzos_Z_Drugs_ACN_FA_ISP.m
Position	P1-A1	**Sample Info**	
Inj Vol	-1	**Comment**	AM 6.1.1 Benzo and Z by LCQQQ

Sample Chromatogram

+ TIC MRM (** -> **) Carryover blank1_r001.d

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc	
zolpidem	Oxazepam D5 ISTD	4.675	1475	223027	0.0066	3.2554	**
Flunitrazepam	Clonazepam-D4 ISTD	7.847	1090	154153	0.0071	9.5568	

**None detected.

ISP FORENSICS
Pocatello
Benzodiazepine Analysis Report
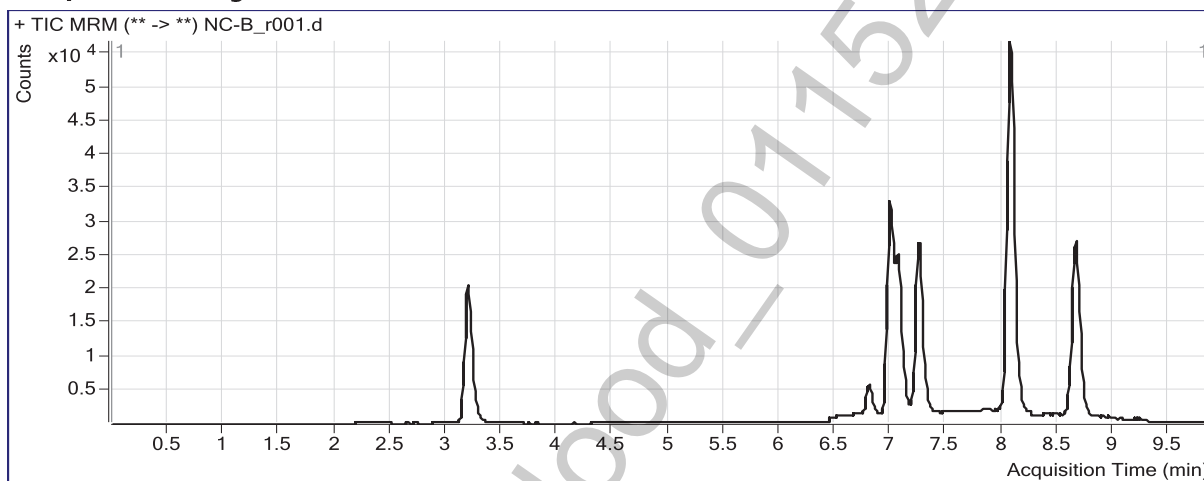
Batch Data Path	C:\MassHunter\Data\BZ-B-011515\QuantResults\BZ-B-011515lowcal.batch.bin		
Analysis Time	1/16/2015 12:16 PM	**Analyst Name**	ISPUser
Report Time	1/16/2015 12:18 PM	**Reporter Name**	ISPUser
Last Calib Update	1/16/2015 12:16 PM	**Batch State**	Processed

Analysis Info

Acq Time	2015-01-15 15:35	**Data File**	NC-B_r001.d
Sample Type	Sample	**Sample Name**	Negative Blood Control
Dilution	1	**Acq Method**	Benzos_Z_Drugs_ACN_FA_ISP.m
Position	P1-B2	**Sample Info**	UTAK Negative Whole Blood LOT B0130
Inj Vol	-1	**Comment**	AM 6.1.1 Benzo and Z by LCQQQ

Sample Chromatogram

Batch Data Path	C:\MassHunter\Data\BZ-B-011515\QuantResults\BZ-B-011515lowcal.batch.bin		
Analysis Time	1/16/2015 12:16 PM	**Analyst Name**	ISPUser
Report Time	1/16/2015 12:18 PM	**Reporter Name**	ISPUser
Last Calib Update	1/16/2015 12:16 PM	**Batch State**	Processed

Analysis Info

Acq Time	2015-01-15 15:50	**Data File**	PC-B-BZ-r001.d
Sample Type	Sample	**Sample Name**	Positive Blood Control
Dilution	1	**Acq Method**	Benzos_Z_Drugs_ACN_FA_ISP.m
Position	P1-B3	**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

+ TIC MRM (** -> **) PC-B-BZ-r001.d
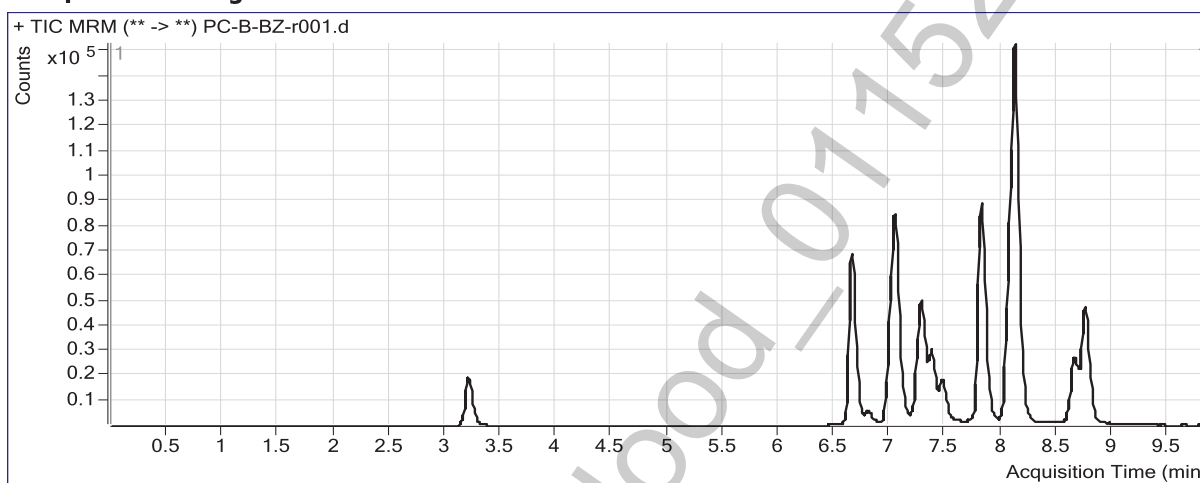
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Nitrazepam	Clonazepam-D4 ISTD	6.654	214034	85127	2.5143	193.4530
Oxazepam	Oxazepam D5 ISTD	7.040	188762	98498	1.9164	192.6046
Nordiazepam	Nordiazepam-D5 ISTD	7.033	1111	38743	0.0287	6.3594 *
Clonazepam	Clonazepam-D4 ISTD	7.290	113440	85127	1.3326	195.1584
Lorazepam	Oxazepam D5 ISTD	7.373	17761	98498	0.1803	174.1873
Alprazolam	alphahydroxyalprazolam-D5 ISTD	7.468	70158	13309	5.2714	170.3999
Flunitrazepam	Clonazepam-D4 ISTD	7.813	289008	85127	3.3950	218.2899
Temazepam	Oxazepam D5 ISTD	8.117	530404	98498	5.3849	275.8284
Diazepam	Diazepam-D5 ISTD	8.748	151760	65183	2.3282	182.9338

*None expected, none detected.

ISP FORENSICS
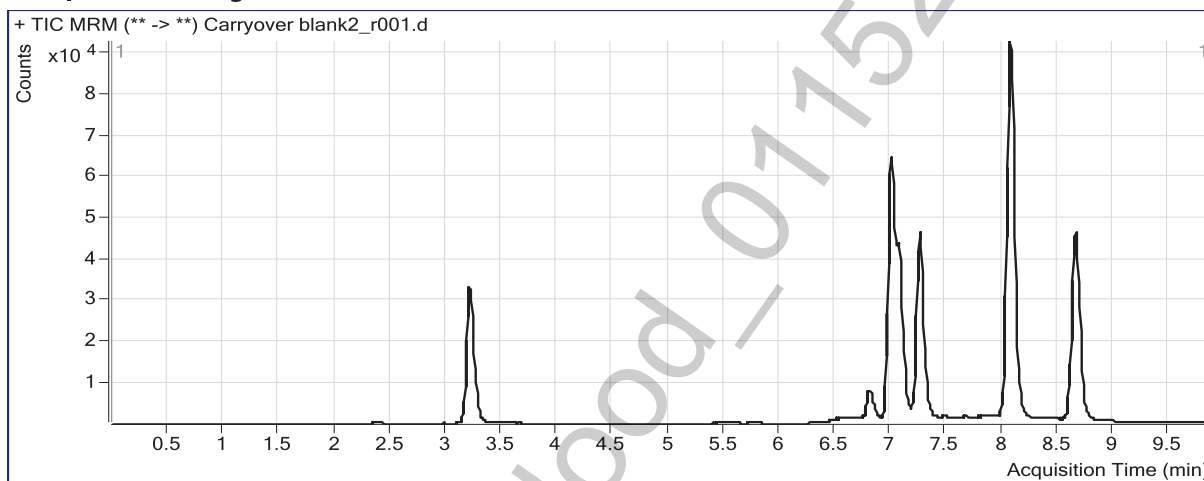# Pocatello
Benzodiazepine Analysis Report

Batch Data Path	C:\MassHunter\Data\BZ-B-011515\QuantResults\BZ-B-011515lowcal.batch.bin		
Analysis Time	1/16/2015 12:16 PM	**Analyst Name**	ISPUser
Report Time	1/16/2015 12:18 PM	**Reporter Name**	ISPUser
Last Calib Update	1/16/2015 12:16 PM	**Batch State**	Processed

Analysis Info

Acq Time	2015-01-15 16:05	**Data File**	Carryover blank2_r001.d
Sample Type	Blank	**Sample Name**	Blank
Dilution	1	**Acq Method**	Benzos_Z_Drugs_ACN_FA_ISP.m
Position	P1-A1	**Sample Info**	
Inj Vol	-1	**Comment**	AM 6.1.1 Benzo and Z by LCQQQ

Sample Chromatogram

+ TIC MRM (** -> **) Carryover blank2_r001.d

ISP FORENSICS
Pocatello
Benzodiazepine Analysis Report

Batch Data Path	C:\MassHunter\Data\BZ-B-011515\QuantResults\BZ-B-011515lowcal.batch.bin		
Analysis Time	1/16/2015 12:16 PM	**Analyst Name**	ISPUser
Report Time	1/16/2015 12:18 PM	**Reporter Name**	ISPUser
Last Calib Update	1/16/2015 12:16 PM	**Batch State**	Processed

Analysis Info

Acq Time	2015-01-15 23:09	**Data File**	Blank3-r001.d
Sample Type	Blank	**Sample Name**	Blank
Dilution	1	**Acq Method**	Benzos_Z_Drugs_ACN_FA_ISP.m
Position	P1-A1	**Sample Info**	
Inj Vol	-1	**Comment**	AM 6.1.1 Benzo and Z by LCQQQ

Sample Chromatogram

+ TIC MRM (** -> **) Blank3-r001.d

ISP FORENSICS
Pocatello
Benzodiazepine Analysis Report

Batch Data Path	C:\MassHunter\Data\BZ-B-011515\QuantResults\BZ-B-011515lowcal.batch.bin		
Analysis Time	1/16/2015 12:16 PM	**Analyst Name**	ISPUser
Report Time	1/16/2015 12:18 PM	**Reporter Name**	ISPUser
Last Calib Update	1/16/2015 12:16 PM	**Batch State**	Processed

Analysis Info

Acq Time	2015-01-15 23:23	**Data File**	Blank4-r001.d
Sample Type	Blank	**Sample Name**	Blank
Dilution	1	**Acq Method**	Benzos_Z_Drugs_ACN_FA_ISP.m
Position	P1-A1	**Sample Info**	
Inj Vol	-1	**Comment**	AM 6.1.1 Benzo and Z by LCQQQ

Sample Chromatogram

+ TIC MRM (** -> **) Blank4-r001.d