Worklist: 815

LAB_CASE	ITEM	TASK_ID	DESCRIPTION	
M2015-2307	1	40417	6.1.1 Blood LCMS-QQQ Benzo	||| |||	|||||| ||||||||||| ||| |||||||
M2015-2324	1	40419	6.1.1 Blood LCMS-QQQ Benzo	||| |||	|||||| ||||||||||| ||| |||||||
M2015-2393	1	40421	6.1.1 Blood LCMS-QQQ Benzo	||| |||	|||||| ||||||||||| ||| |||||||
M2015-2440	1	40422	6.1.1 Blood LCMS-QQQ Benzo	||| |||	|||||| ||||||||||| ||| |||||||
M2015-2454	1	40423	6.1.1 Blood LCMS-QQQ Benzo	||| |||	|||||| ||||||||||| ||| |||||||
M2015-2461	1	40424	6.1.1 Blood LCMS-QQQ Benzo	||| |||	|||||| ||||||||||| ||| |||||||
M2015-2494	1	40425	6.1.1 Blood LCMS-QQQ Benzo	||| |||	|||||| ||||||||||| ||| |||||||
M2015-2496	1	40426	6.1.1 Blood LCMS-QQQ Benzo	||| |||	|||||| ||||||||||| ||| |||||||
M2015-2500	1	40427	6.1.1 Blood LCMS-QQQ Benzo	||| |||	|||||| ||||||||||| ||| |||||||
P2015-1548	1	40416	6.1.1 Blood LCMS-QQQ Benzo	||| |||	|||||| ||||||||||| ||| |||||||
P2015-1608	1	40412	6.1.1 Blood LCMS-QQQ Benzo	||| |||	|||||| ||||||||||| ||| |||||||
P2015-1675	1	40411	6.1.1 Blood LCMS-QQQ Benzo	||| |||	|||||| ||||||||||| ||| |||||||
P2015-1727	1	40413	6.1.1 Blood LCMS-QQQ Benzo	||| |||	|||||| ||||||||||| ||| |||||||
P2015-1728	1	39585	6.1.1 Blood LCMS-QQQ Benzo	||| |||	|||||| ||||||||||| ||| |||||||
P2015-1788	1	40414	6.1.1 Blood LCMS-QQQ Benzo	||| |||	|||||| ||||||||||| ||| |||||||
P2015-1817	1	40415	6.1.1 Blood LCMS-QQQ Benzo	||| |||	|||||| ||||||||||| ||| |||||||

Reviewed 9/4/15

1

Worklist Report

Worklist Path:	*C:\MassHunter\ISP Methods\worklists\DD-BZZZQ-B-LOWCAL.wkl*
Date Modified:	*09/02/2015 01:39:42 PM*
Date Printed:	*09/02/2015 01:39:52 PM*

Worklist Run Parameters

Verified that ALS vials were in the correct rack positions on 09/02/15.

Operator Name:	*62340*
Run Type:	*Standard Start*
Part of Method to Run:	*Acquisition Only*
Execution for Acquisition-DA:	*Synchronous*
Acquisition Method Path:	*C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m*
DA Method Path:	*D:\MassHunter\methods*
Data File Path:	*C:\MassHunter\Data\BZ\BZ-B-090215*
Pre-Worklist Script:	*---*
Post-Worklist Script:	*SCP_InstrumentStandby(){MH_Acq_Scripts.exe}*
Acquisition Clean Up Script:	*SCP_InstrumentStandby(){MH_Acq_Scripts.exe}*
Overlapped Injection:	*No*
Clear sample selection after run:	*Yes*
Wait Time for Ready(Min):	*10*
Threshold Disk Value(GB):	*10*
Comment:	*---*

Plate Barcode Information

Plate	Barcode
P1	

Worklist Table

Sample Position	Sample Name	Method	Data File	Sample Type	Level Name	Comment	Info.
P1-A1	Blank	C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m	Blank1-r001.d	Blank		AM 6.1.1 Benzo and Z by LCQQQ	
P1-A1	Blank	C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m	Blank2-r001.d	Blank		AM 6.1.1 Benzo and Z by LCQQQ	
P1-A2	5 ngmL	C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m	5 ngmL-r001.d	Calibration	1	AM 6.1.1 Benzo and Z by LCQQQ	
P1-A3	10 ngmL	C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m	10 ngmL-r001.d	Calibration	2	AM 6.1.1 Benzo and Z by LCQQQ	
P1-A4	25 ngmL	C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m	25 ngmL_r001.d	Calibration	3	AM 6.1.1 Benzo and Z by LCQQQ	
P1-A5	50 ngmL	C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m	50 ngmL_r001.d	Calibration	4	AM 6.1.1 Benzo and Z by LCQQQ	
P1-A6	100 ngmL	C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m	100 ngmL_r001.d	Calibration	5	AM 6.1.1 Benzo and Z by LCQQQ	

Sample Position	Sample Name	Method	Data File	Sample Type	Level Name	Comment	Info.
P1-A	500 ngmL	C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m	500 ngmL_r001.d	Calibration	6	AM 6.1.1 Benzo and Z by LCQQQ	
P1-A	1000 ngmL	C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m	1000 ngmL_r001.d	Calibration		AM 6.1.1 Benzo and Z by LCQQQ	
P1-A	3000 ngmL	C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m	3000 ngmL_r001.d	Calibration		AM 6.1.1 Benzo and Z by LCQQQ	
P1-A1	Blank	C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m	Carryover blank1_r001.d	Blank		AM 6.1.1 Benzo and Z by LCQQQ	
P1-B1	Negative Blood Control	C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m	NC-B_r001.d	Sample		AM 6.1.1 Benzo and Z by LCQQQ	UTA Negative Whole Blood LOT B06
P1-B2	Positive Blood Control	C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m	PC-B-BZ-r001.d	Sample		AM 6.1.1 Benzo and Z by LCQQQ	200 ngmL Benzodiazepines Mix Cerilliant lot FE012413-02 in neg LOT B0130
P1-A1	Blank	C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m	Carryover blank2_r001.d	Blank		AM 6.1.1 Benzo and Z by LCQQQ	
P1-B1	Blank - M2015-230-1	C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m	Carryover blank- M2015-230-1_r001.d	Blank		AM 6.1.1 Benzo and Z by LCQQQ	
P1-B3	M2015-230-1	C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m	M2015-230-1-r001.d	Sample		AM 6.1.1 Benzo and Z by LCQQQ	Blood
P1-B1	Blank - M2015-2324-1	C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m	Carryover blank-M2015-2324-1_r001.d	Blank		AM 6.1.1 Benzo and Z by LCQQQ	
P1-B4	M2015-2324-1	C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m	M2015-2324-1-r001.d	Sample		AM 6.1.1 Benzo and Z by LCQQQ	Blood
P1-B1	Blank - M2015-233-1	C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m	Carryover blank-M2015-233-1_r001.d	Blank		AM 6.1.1 Benzo and Z by LCQQQ	
P1-B5	M2015-233-1	C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m	M2015-233-1-r001.d	Sample		AM 6.1.1 Benzo and Z by LCQQQ	Blood
P1-B1	Blank - M2015-2440-1	C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m	Carryover blank-M2015-2440-1_r001.d	Blank		AM 6.1.1 Benzo and Z by LCQQQ	
P1-B6	M2015-2440-1	C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m	M2015-2440-1-r001.d	Sample		AM 6.1.1 Benzo and Z by LCQQQ	Blood
P1-B1	Blank - M2015-2454-1	C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m	Carryover blank-M2015-2454-1_r001.d	Blank		AM 6.1.1 Benzo and Z by LCQQQ	

Sample Position	Sample Name	Method	Data File	Sample Type	Level Name	Comment	Info.
P1-B	M2015-2454-1	C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m	M2015-2454-1-r001.d	Sample		AM 6.1.1 Benzo and Z by LCQQQ	Blood
P1-B1	Blank - M2015-2461-1	C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m	Carryover blank-M2015-2461-1_r001.d	Blank		AM 6.1.1 Benzo and Z by LCQQQ	
P1-B	M2015-2461-1	C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m	M2015-2461-1-r001.d	Sample		AM 6.1.1 Benzo and Z by LCQQQ	Blood
P1-B1	Blank - M2015-244-1	C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m	Carryover blank-M2015-244-1_r001.d	Blank		AM 6.1.1 Benzo and Z by LCQQQ	
P1-B	M2015-244-1	C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m	M2015-244-1-r001.d	Sample		AM 6.1.1 Benzo and Z by LCQQQ	Blood
P1-B1	Blank - M2015-246-1	C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m	Carryover blank-M2015-246-1_r001.d	Blank		AM 6.1.1 Benzo and Z by LCQQQ	
P1-C1	M2015-246-1	C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m	M2015-246-1-r001.d	Sample		AM 6.1.1 Benzo and Z by LCQQQ	Blood
P1-B1	Blank - M2015-2500-1	C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m	Carryover blank-M2015-2500-1_r001.d	Blank		AM 6.1.1 Benzo and Z by LCQQQ	
P1-C2	M2015-2500-1	C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m	M2015-2500-1-r001.d	Sample		AM 6.1.1 Benzo and Z by LCQQQ	Blood
P1-B1	Blank - P2015-154-1	C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m	Carryover blank-P2015-154-1_r001.d	Blank		AM 6.1.1 Benzo and Z by LCQQQ	
P1-C3	P2015-154-1	C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m	P2015-154-1-r001.d	Sample		AM 6.1.1 Benzo and Z by LCQQQ	Blood
P1-B1	Blank - P2015-160-1	C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m	Carryover blank-P2015-160-1_r001.d	Blank		AM 6.1.1 Benzo and Z by LCQQQ	
P1-C4	P2015-160-1	C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m	P2015-160-1-r001.d	Sample		AM 6.1.1 Benzo and Z by LCQQQ	Blood
P1-B1	Blank - P2015-165-1	C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m	Carryover blank-P2015-165-1_r001.d	Blank		AM 6.1.1 Benzo and Z by LCQQQ	
P1-C5	P2015-165-1	C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m	P2015-165-1-r001.d	Sample		AM 6.1.1 Benzo and Z by LCQQQ	Blood
P1-B1	Blank - P2015-12-1	C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m	Carryover blank-P2015-12-1_r001.d	Blank		AM 6.1.1 Benzo and Z by LCQQQ	
P1-C6				Sample			Blood

| Sample Position	Sample Name	Method	Data File	Sample Type	Level Name	Comment	Info.
	P2015-12-1	C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m	P2015-12-1-r001.d			AM 6.1.1 Benzo and Z by LCQQQ	
P1-B1	Blank - P2015-12-1	C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m	Carryover blank-P2015-12-1_r001.d	Blank		AM 6.1.1 Benzo and Z by LCQQQ	
P1-C	P2015-12-1	C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m	P2015-12-1-r001.d	Sample		AM 6.1.1 Benzo and Z by LCQQQ	Blood
P1-B1	Blank - P2015-1-1	C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m	Carryover blank-P2015-1-1_r001.d	Blank		AM 6.1.1 Benzo and Z by LCQQQ	
P1-C	P2015-1-1	C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m	P2015-1-1-r001.d	Sample		AM 6.1.1 Benzo and Z by LCQQQ	Blood
P1-B1	Blank - P2015-11-1	C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m	Carryover blank-P2015-11-1_r001.d	Blank		AM 6.1.1 Benzo and Z by LCQQQ	
P1-C	P2015-11-1	C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m	P2015-11-1-r003.d	Sample		AM 6.1.1 Benzo and Z by LCQQQ	Blood
P1-A1	Blank	C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m	Blank3-r001.d	Blank		AM 6.1.1 Benzo and Z by LCQQQ	
P1-A1	Blank	C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_ACN_FA_ISP.m	Blank4-r001.d	Blank		AM 6.1.1 Benzo and Z by LCQQQ	
P1-A1	Blank	C:\MassHunter\ISP Methods\Acquisition\Benzos_Z_Drugs_Cleanup.m	Clean-r001.d	Blank		AM 6.1.1 Benzo and Z by LCQQQ	

ISP Forensics
Calibration Curve Report

Batch Data Path C:\MassHunter\Data\BZ\BZ-B-090215\QuantResults\BZ-B-090215.batch.bin

Last Calib Update 9/3/2015 8:09 AM **Analyst Name** ISP TOX

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

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

$y = -0.005450 * x^2 + 0.486053 * x - 7.423670E\text{-}004$
$R^2 = 0.98817735$
Type:Quadratic, Origin:Ignore, Weight:1/x^2
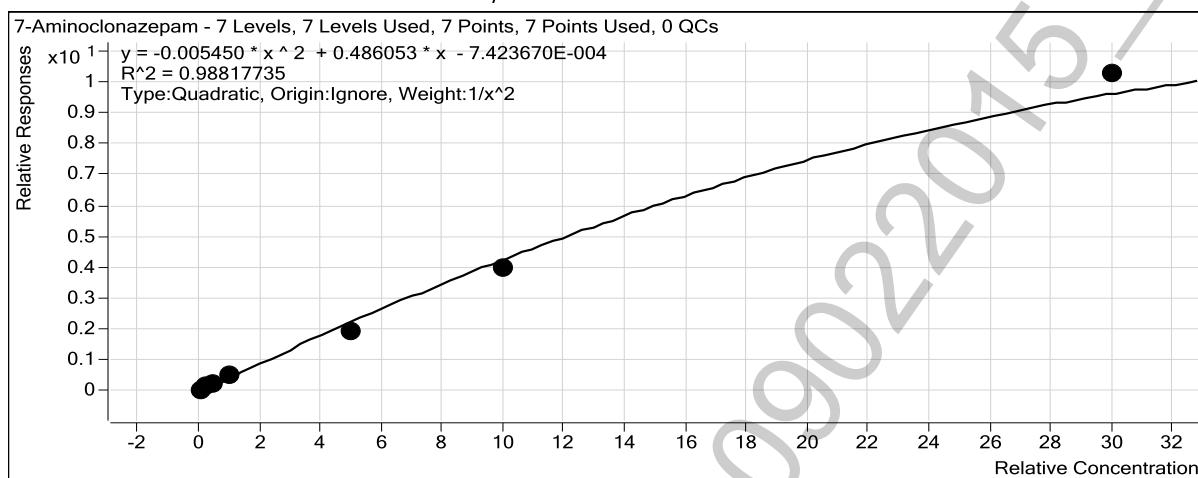
| Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ngmL	2	☑	10	9.6	96.4
25 ngmL	3	☑	25	26.1	104.2
50 ngmL	4	☑	50	53.1	106.2
100 ngmL	5	☑	100	110.2	110.2
500 ngmL	6	☑	500	419.0	83.8
1000 ngmL	7	☑	1000	920.8	92.1
3000 ngmL	8	☑	3000	3435.0	114.5

ISP Forensics
Calibration Curve Report

Batch Data Path   C:\MassHunter\Data\BZ\BZ-B-090215\QuantResults\BZ-B-090215.batch.bin

Last Calib Update   9/3/2015 8:09 AM   **Analyst Name**   ISP TOX

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

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

$y = -0.007873 * x \wedge 2 + 0.873204 * x + 0.048256$
$R^2 = 0.99895628$
Type:Quadratic, Origin:Ignore, Weight:1/x
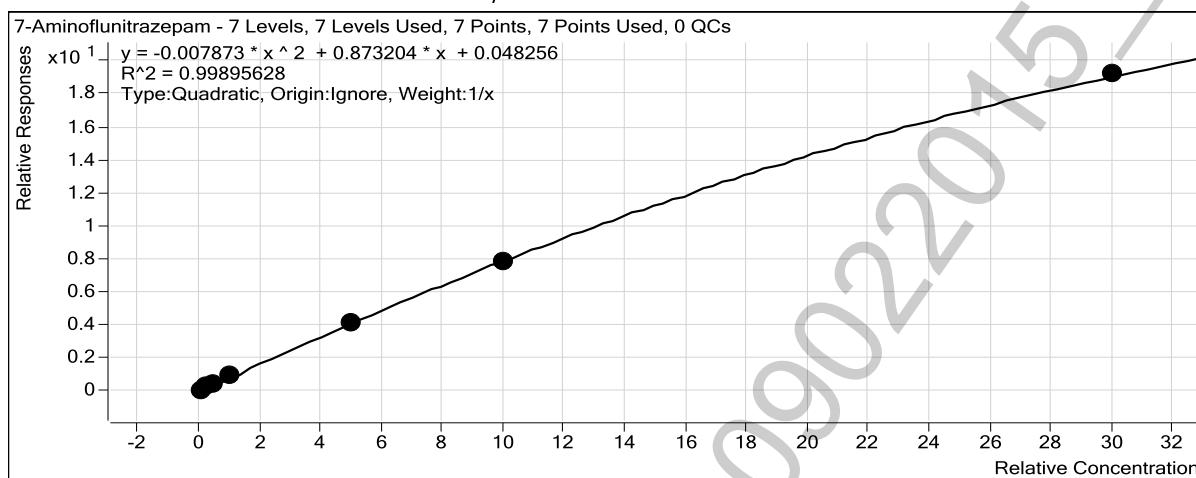
| Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ngmL	2	☑	10	8.3	82.9
25 ngmL	3	☑	25	24.8	99.1
50 ngmL	4	☑	50	53.4	106.9
100 ngmL	5	☑	100	114.5	114.5
500 ngmL	6	☑	500	486.0	97.2
1000 ngmL	7	☑	1000	991.6	99.2
3000 ngmL	8	☑	3000	3008.5	100.3

ISP Forensics
Calibration Curve Report

Batch Data Path   C:\MassHunter\Data\BZ\BZ-B-090215\QuantResults\BZ-B-090215.batch.bin

Last Calib Update   9/3/2015 8:09 AM   **Analyst Name**   ISP TOX

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

zopiclone - 7 Levels, 7 Levels Used, 7 Points, 7 Points Used, 0 QCs

$y = -6.890564E\text{-}004 * x \char`^ 2 + 1.151987 * x - 0.037001$

$R\char`^2 = 0.99935847$

Type:Quadratic, Origin:Ignore, Weight:1/x
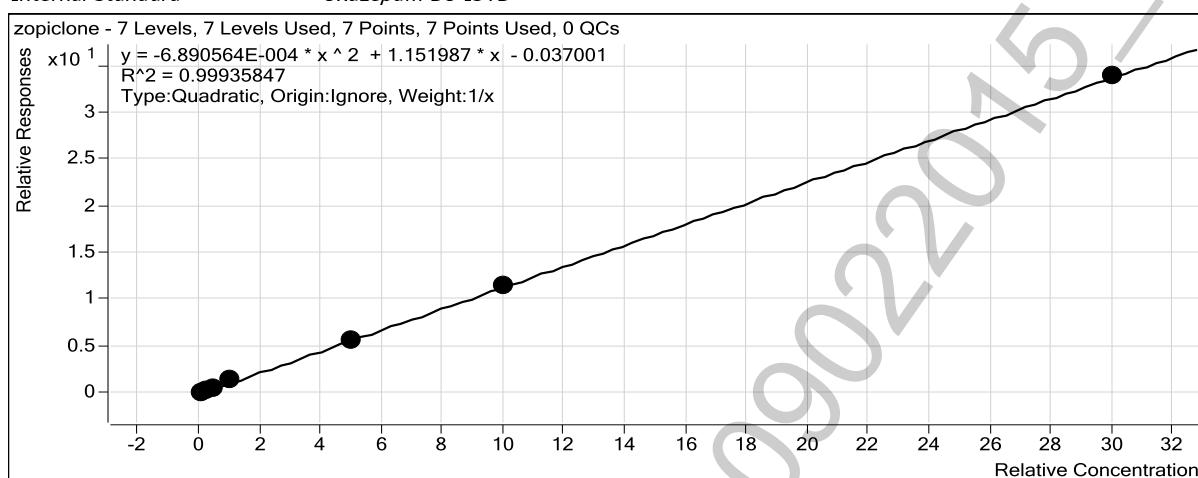
| Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ngmL	2	☑	10	9.5	95.3
25 ngmL	3	☑	25	22.8	91.0
50 ngmL	4	☑	50	51.6	103.2
100 ngmL	5	☑	100	113.5	113.5
500 ngmL	6	☑	500	482.2	96.4
1000 ngmL	7	☑	1000	1004.3	100.4
3000 ngmL	8	☑	3000	3001.1	100.0

ISP Forensics
Calibration Curve Report
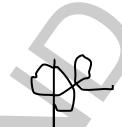
Batch Data Path   C:\MassHunter\Data\BZ\BZ-B-090215\QuantResults\BZ-B-090215.batch.bin

Last Calib Update   9/3/2015 8:09 AM   **Analyst Name**   ISP TOX

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

zolpidem - 7 Levels, 7 Levels Used, 7 Points, 7 Points Used, 0 QCs

$y = -0.029873 * x^2 + 3.198707 * x + 0.002995$
$R^2 = 0.99846166$
Type:Quadratic, Origin:Ignore, Weight:1/x
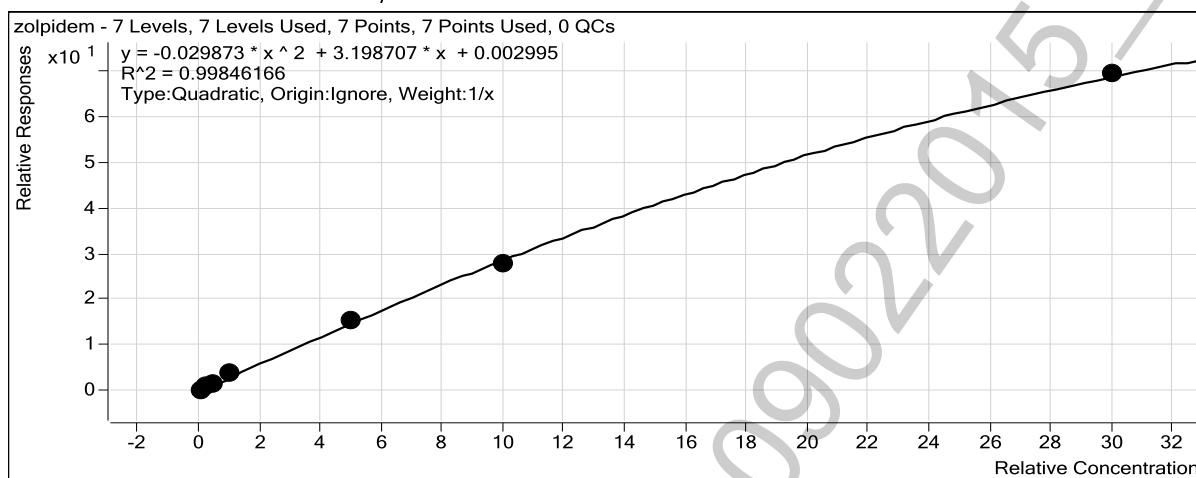
| Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ngmL	2	☑	10	8.0	80.2
25 ngmL	3	☑	25	24.9	99.8
50 ngmL	4	☑	50	53.0	106.0
100 ngmL	5	☑	100	115.9	115.9
500 ngmL	6	☑	500	508.4	101.7
1000 ngmL	7	☑	1000	959.0	95.9
3000 ngmL	8	☑	3000	3021.3	100.7

ISP Forensics
Calibration Curve Report

Batch Data Path   C:\MassHunter\Data\BZ\BZ-B-090215\QuantResults\BZ-B-090215.batch.bin

Last Calib Update   9/3/2015 8:09 AM   **Analyst Name**   ISP TOX

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

Chlordiazepoxide - 7 Levels, 7 Levels Used, 7 Points, 7 Points Used, 0 QCs

$y = -0.007620 * x^2 + 3.812547 * x - 0.056197$
$R^2 = 0.99989784$
Type:Quadratic, Origin:Ignore, Weight:1/x
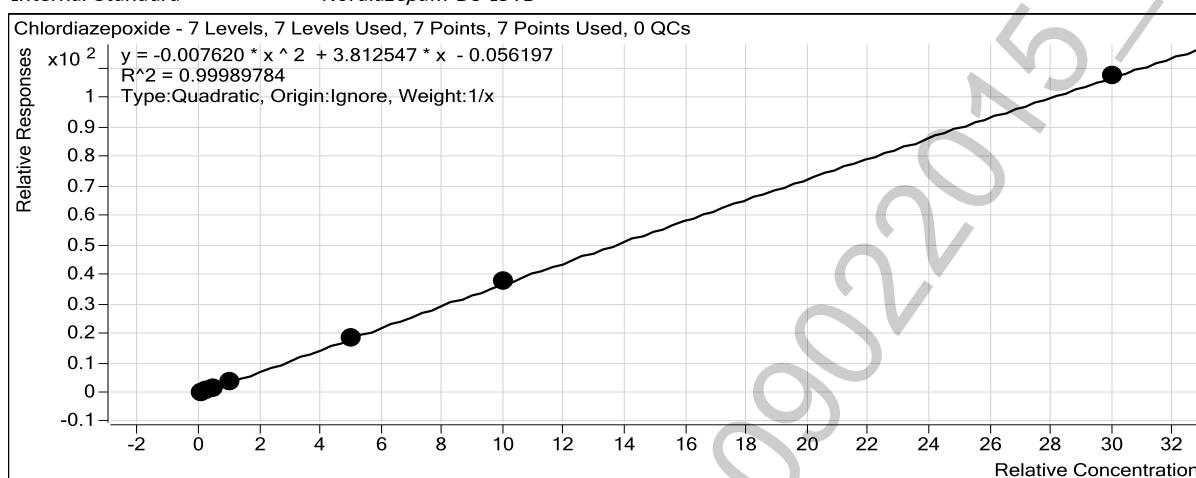
| Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ngmL	2	☑	10	9.9	99.1
25 ngmL	3	☑	25	24.7	98.7
50 ngmL	4	☑	50	49.8	99.7
100 ngmL	5	☑	100	103.8	103.8
500 ngmL	6	☑	500	489.8	98.0
1000 ngmL	7	☑	1000	1008.3	100.8
3000 ngmL	8	☑	3000	2998.7	100.0

ISP Forensics
Calibration Curve Report

Batch Data Path   C:\MassHunter\Data\BZ\BZ-B-090215\QuantResults\BZ-B-090215.batch.bin

Last Calib Update   9/3/2015 8:09 AM   **Analyst Name**   ISP TOX

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

quetiapine - 7 Levels, 7 Levels Used, 7 Points, 7 Points Used, 0 QCs

$y = -0.004906 * x \char`^ 2 + 0.436192 * x + 0.010325$
$R\char`^2 = 0.99951156$
Type:Quadratic, Origin:Ignore, Weight:1/x
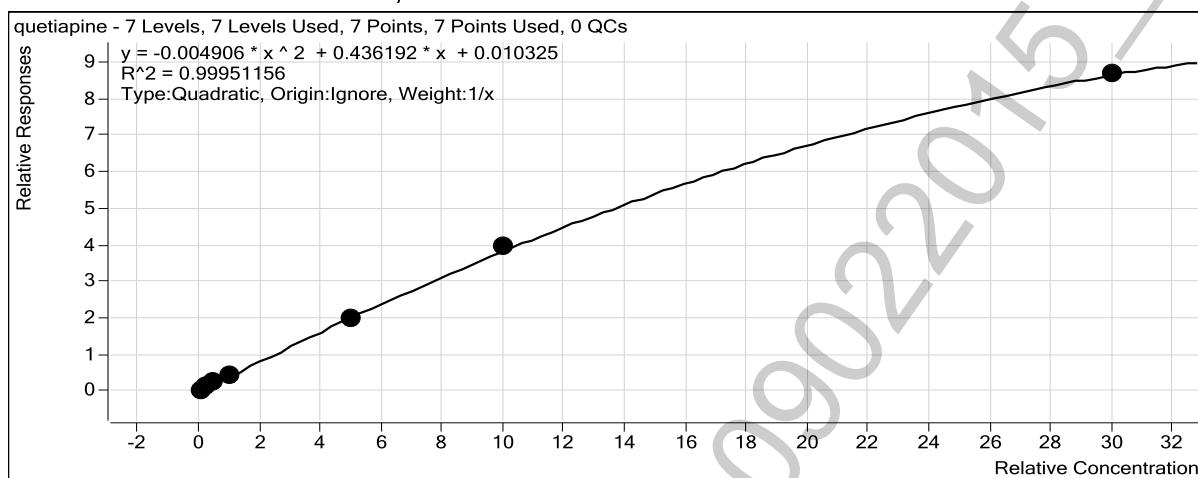
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ngmL	2	☑	10	8.8	88.5
25 ngmL	3	☑	25	27.4	109.7
50 ngmL	4	☑	50	51.5	102.9
100 ngmL	5	☑	100	100.9	100.9
500 ngmL	6	☑	500	481.2	96.2
1000 ngmL	7	☑	1000	1020.2	102.0
3000 ngmL	8	☑	3000	2992.4	99.7

ISP Forensics
Calibration Curve Report

Batch Data Path   C:\MassHunter\Data\BZ\BZ-B-090215\QuantResults\BZ-B-090215.batch.bin

Last Calib Update   9/3/2015 8:09 AM   **Analyst Name**   ISP TOX

Target Compound   _Midazolam_
Internal Standard   _Clonazepam-D4 ISTD_

Midazolam - 7 Levels, 7 Levels Used, 7 Points, 7 Points Used, 0 QCs

$y = -4.468502E\text{-}005 * x^2 + 0.602666 * x + 0.011054$
$R^2 = 0.99963182$
Type:Quadratic, Origin:Ignore, Weight:1/x
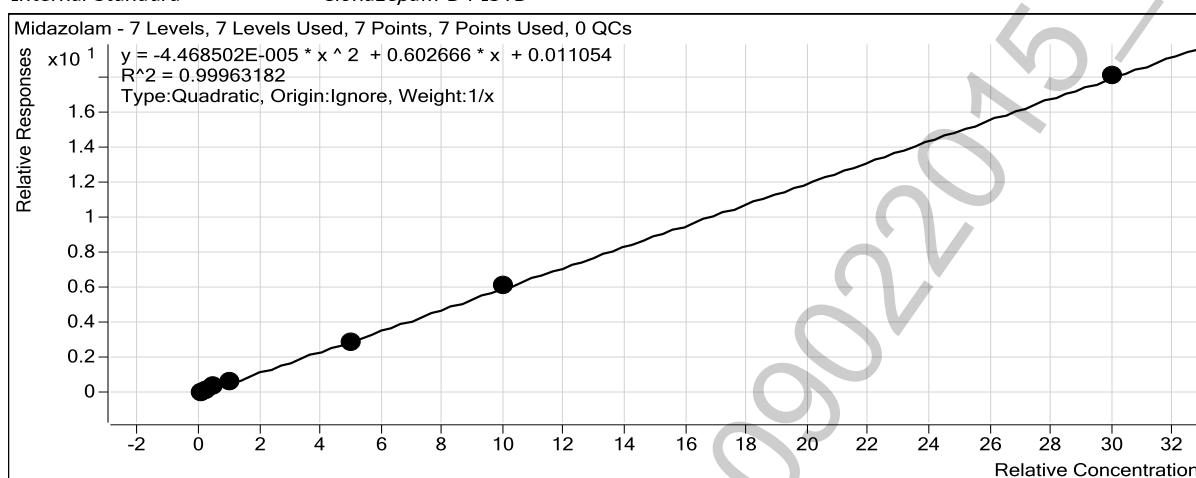
| Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ngmL	2	☑	10	8.6	85.6
25 ngmL	3	☑	25	25.7	102.9
50 ngmL	4	☑	50	53.3	106.5
100 ngmL	5	☑	100	107.7	107.7
500 ngmL	6	☑	500	483.4	96.7
1000 ngmL	7	☑	1000	1005.9	100.6
3000 ngmL	8	☑	3000	3000.5	100.0

ISP Forensics
Calibration Curve Report

Batch Data Path   C:\MassHunter\Data\BZ\BZ-B-090215\QuantResults\BZ-B-090215.batch.bin

Last Calib Update   9/3/2015 8:09 AM   **Analyst Name**   ISP TOX

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

Flurazepam - 7 Levels, 7 Levels Used, 7 Points, 7 Points Used, 0 QCs

$y = -0.013051 * x \wedge 2 + 2.188126 * x + 0.102469$
$R\wedge2 = 0.99925212$
Type:Quadratic, Origin:Ignore, Weight:1/x
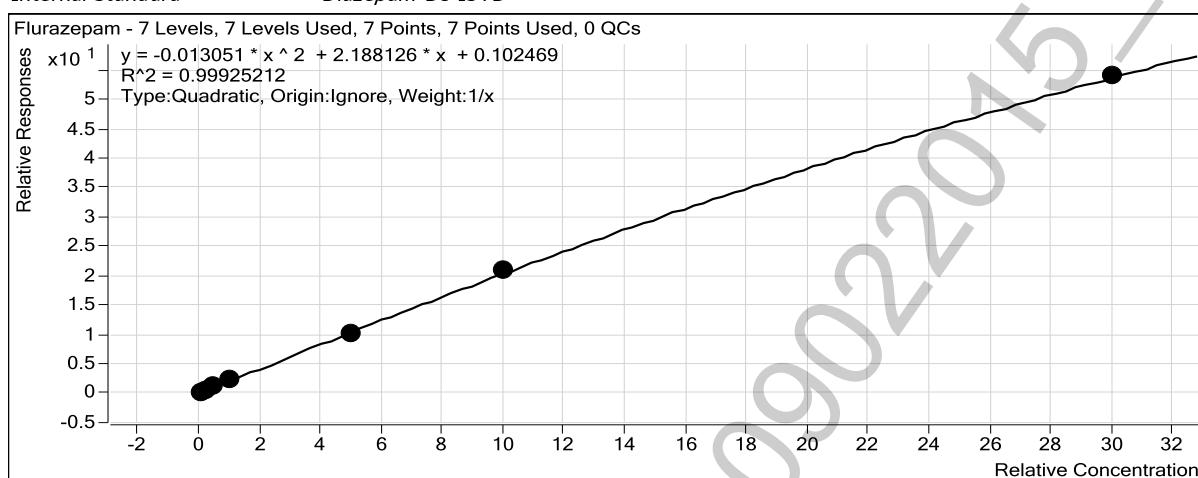
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ngmL	2	☑	10	8.4	83.9
25 ngmL	3	☑	25	25.1	100.3
50 ngmL	4	☑	50	55.2	110.3
100 ngmL	5	☑	100	108.9	108.9
500 ngmL	6	☑	500	478.1	95.6
1000 ngmL	7	☑	1000	1008.7	100.9
3000 ngmL	8	☑	3000	3000.8	100.0
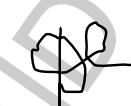
ISP Forensics
Calibration Curve Report

Batch Data Path   C:\MassHunter\Data\BZ\BZ-B-090215\QuantResults\BZ-B-090215.batch.bin

Last Calib Update   9/3/2015 8:09 AM   **Analyst Name**   ISP TOX

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

Nitrazepam - 7 Levels, 7 Levels Used, 7 Points, 7 Points Used, 0 QCs

$y = -0.006270 * x \wedge 2 + 1.053196 * x - 0.009346$
$R\wedge 2 = 0.99923928$
Type:Quadratic, Origin:Ignore, Weight:1/x
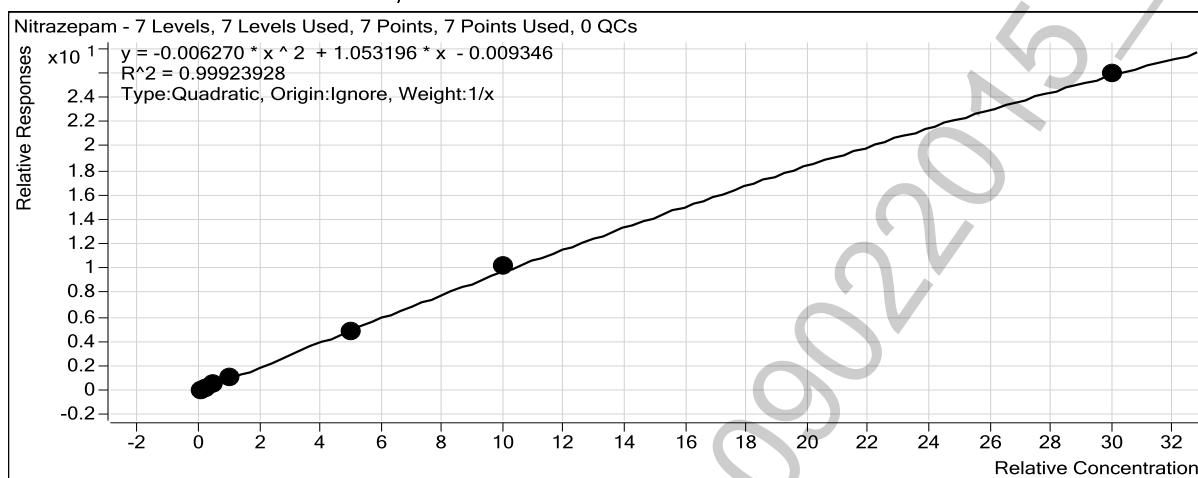
| Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ngmL	2	☑	10	9.6	96.5
25 ngmL	3	☑	25	25.4	101.5
50 ngmL	4	☑	50	50.5	101.0
100 ngmL	5	☑	100	104.0	104.0
500 ngmL	6	☑	500	470.6	94.1
1000 ngmL	7	☑	1000	1032.0	103.2
3000 ngmL	8	☑	3000	2992.4	99.7
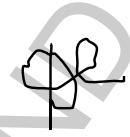
ISP Forensics
Calibration Curve Report

Batch Data Path   C:\MassHunter\Data\BZ\BZ-B-090215\QuantResults\BZ-B-090215.batch.bin

Last Calib Update   9/3/2015 8:09 AM   **Analyst Name**   ISP TOX

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

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

$y = 0.419932 * x - 0.015882$
$R^2 = 0.99193196$
Type:Linear, Origin:Ignore, Weight:$1/x^2$
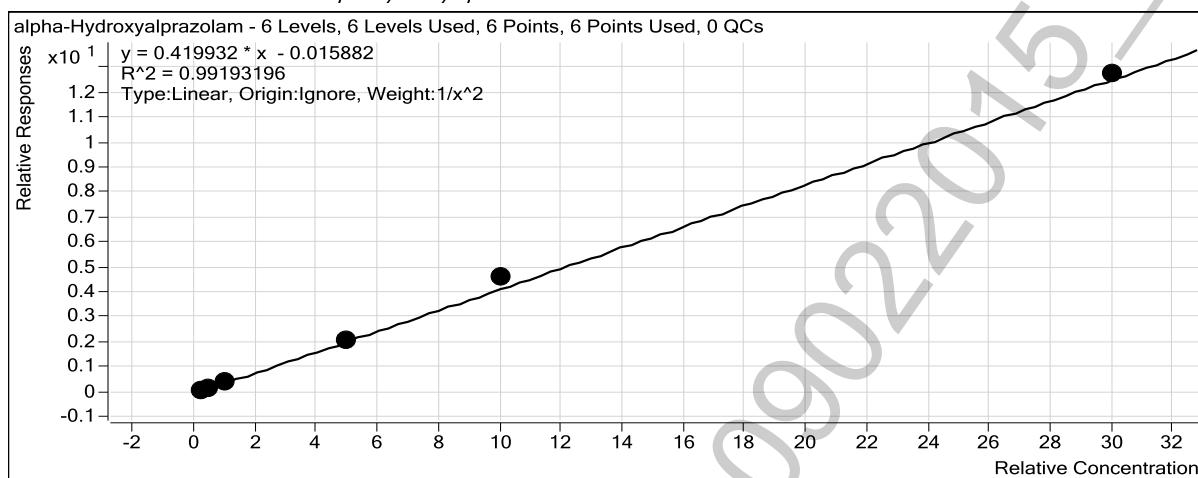
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ngmL	2	☑	10	0.0	0.0 *
25 ngmL	3	☑	25	26.6	106.4
50 ngmL	4	☑	50	45.2	90.4
100 ngmL	5	☑	100	92.5	92.5
500 ngmL	6	☑	500	499.5	99.9
1000 ngmL	7	☑	1000	1095.0	109.5
3000 ngmL	8	☑	3000	3036.4	101.2

*Peak not detected - this compound will not be reported as "inconclusive" for this batch.

ISP Forensics
Calibration Curve Report

Batch Data Path   C:\MassHunter\Data\BZ\BZ-B-090215\QuantResults\BZ-B-090215.batch.bin

Last Calib Update   9/3/2015 8:09 AM   **Analyst Name**   ISP TOX

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

alpha-hydroxytriazolam - 7 Levels, 7 Levels Used, 7 Points, 7 Points Used, 0 QCs

$y = -4.034863E\text{-}004 * x \char`^ 2 + 0.330892 * x - 0.001392$
$R\char`^2 = 0.99963947$
Type:Quadratic, Origin:Ignore, Weight:1/x
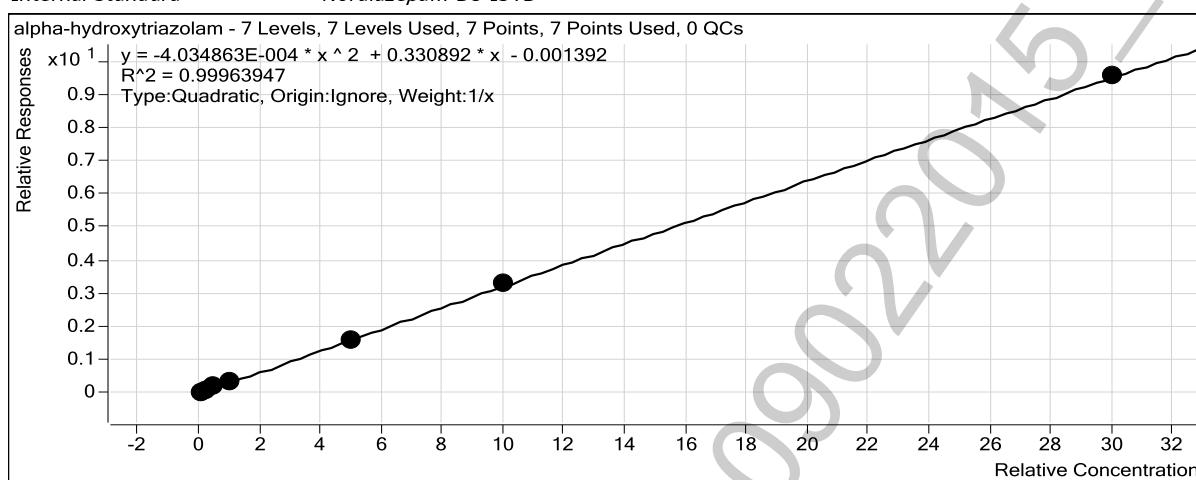
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ngmL	2	☑	10	9.1	90.7
25 ngmL	3	☑	25	24.7	99.0
50 ngmL	4	☑	50	51.9	103.9
100 ngmL	5	☑	100	109.0	109.0
500 ngmL	6	☑	500	484.1	96.8
1000 ngmL	7	☑	1000	1005.6	100.6
3000 ngmL	8	☑	3000	3000.5	100.0

ISP Forensics
Calibration Curve Report

Batch Data Path   C:\MassHunter\Data\BZ\BZ-B-090215\QuantResults\BZ-B-090215.batch.bin

Last Calib Update   9/3/2015 8:09 AM   **Analyst Name**   ISP TOX

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

Oxazepam - 7 Levels, 7 Levels Used, 7 Points, 7 Points Used, 0 QCs

$y = -0.006203 * x^2 + 0.921342 * x + 0.001346$
$R^2 = 0.99954594$
Type:Quadratic, Origin:Ignore, Weight:1/x
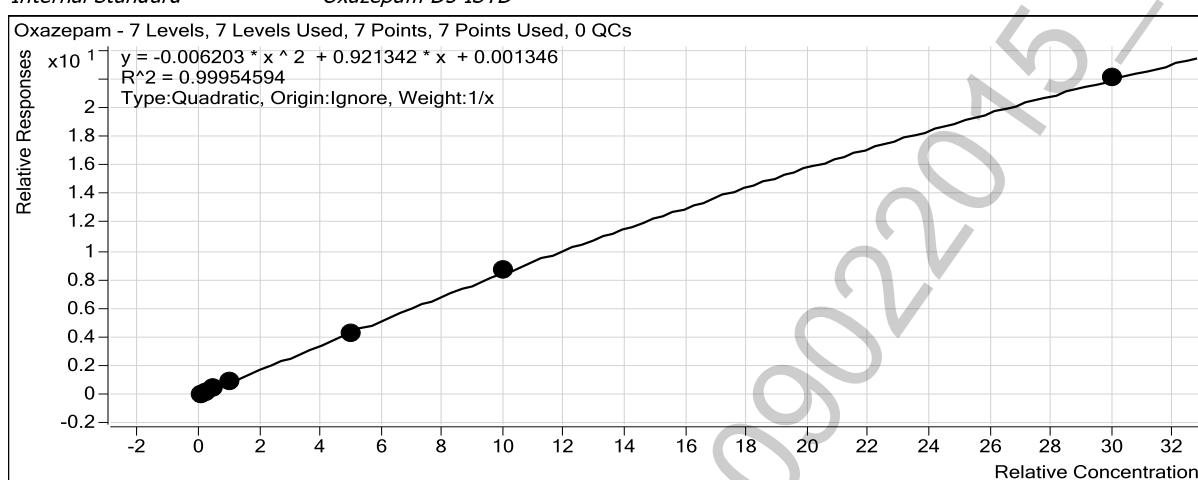
| Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ngmL	2	☑	10	8.9	89.5
25 ngmL	3	☑	25	25.6	102.6
50 ngmL	4	☑	50	50.6	101.3
100 ngmL	5	☑	100	109.3	109.3
500 ngmL	6	☑	500	484.1	96.8
1000 ngmL	7	☑	1000	1005.8	100.6
3000 ngmL	8	☑	3000	3000.8	100.0

ISP Forensics
Calibration Curve Report

Batch Data Path   C:\MassHunter\Data\BZ\BZ-B-090215\QuantResults\BZ-B-090215.batch.bin

Last Calib Update   9/3/2015 8:09 AM   **Analyst Name**   ISP TOX

Target Compound   Nordiazepam
Internal Standard   *Nordiazepam-D5 ISTD*

Nordiazepam - 7 Levels, 7 Levels Used, 7 Points, 7 Points Used, 0 QCs

$y = -0.008055 * x \wedge 2 + 1.444788 * x - 0.005987$
$R\wedge2 = 0.99959086$
Type:Quadratic, Origin:Ignore, Weight:1/x
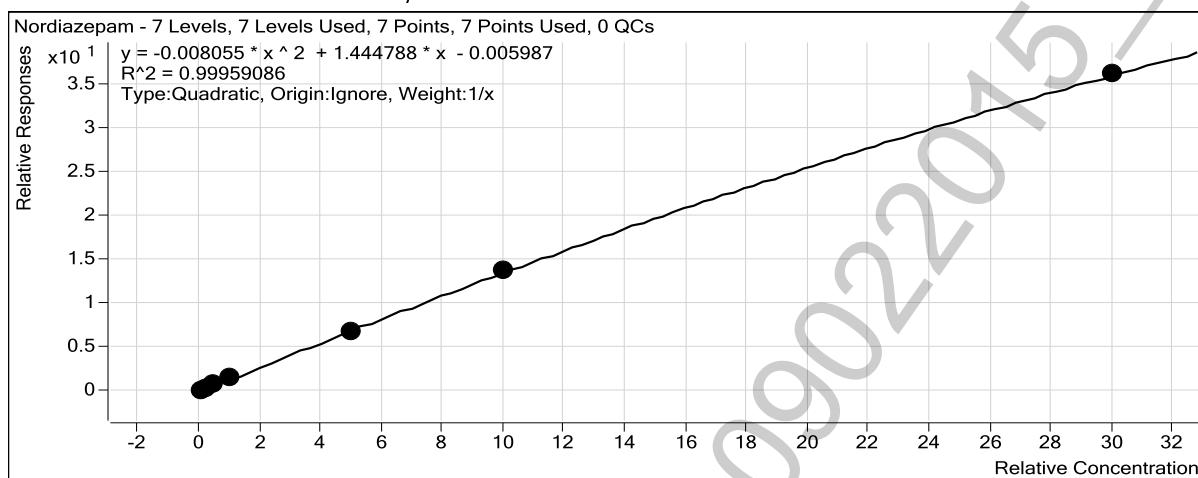
| Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ngmL	2	☑	10	9.3	92.6
25 ngmL	3	☑	25	25.2	100.8
50 ngmL	4	☑	50	51.1	102.2
100 ngmL	5	☑	100	106.9	106.9
500 ngmL	6	☑	500	480.5	96.1
1000 ngmL	7	☑	1000	1013.8	101.4
3000 ngmL	8	☑	3000	2998.1	99.9

ISP Forensics
Calibration Curve Report
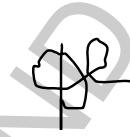
Batch Data Path   C:\MassHunter\Data\BZ\BZ-B-090215\QuantResults\BZ-B-090215.batch.bin

Last Calib Update   9/3/2015 8:09 AM   **Analyst Name**   ISP TOX

Target Compound   Clonazepam
Internal Standard   *Clonazepam-D4 ISTD*

Clonazepam - 7 Levels, 7 Levels Used, 7 Points, 7 Points Used, 0 QCs

$y = -0.004728 * x \char`^ 2 + 0.642179 * x + 6.740422E{-}004$
$R\char`^2 = 0.99952339$
Type:Quadratic, Origin:Ignore, Weight:1/x
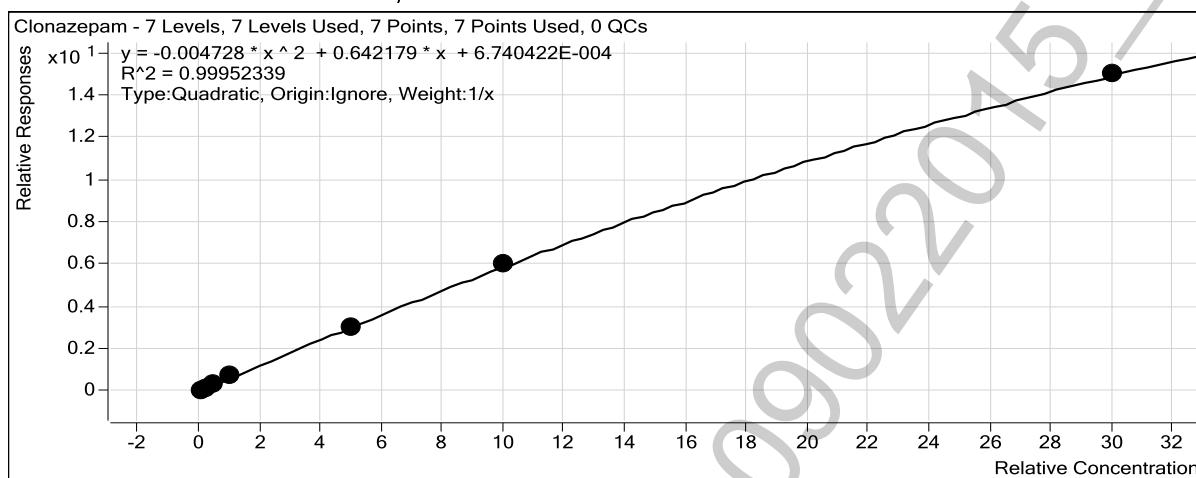
| Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ngmL	2	☑	10	8.8	87.6
25 ngmL	3	☑	25	26.1	104.3
50 ngmL	4	☑	50	50.9	101.8
100 ngmL	5	☑	100	108.9	108.9
500 ngmL	6	☑	500	483.7	96.7
1000 ngmL	7	☑	1000	1006.0	100.6
3000 ngmL	8	☑	3000	3000.9	100.0

ISP Forensics
Calibration Curve Report

Batch Data Path   C:\MassHunter\Data\BZ\BZ-B-090215\QuantResults\BZ-B-090215.batch.bin

Last Calib Update   9/3/2015 8:09 AM   **Analyst Name**   ISP TOX

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

Lorazepam - 7 Levels, 7 Levels Used, 7 Points, 7 Points Used, 0 QCs

$y = -9.050510E{-}004 * x \wedge 2 + 0.141059 * x - 7.949901E{-}005$

$R^2 = 0.99968483$

Type:Quadratic, Origin:Ignore, Weight:1/x
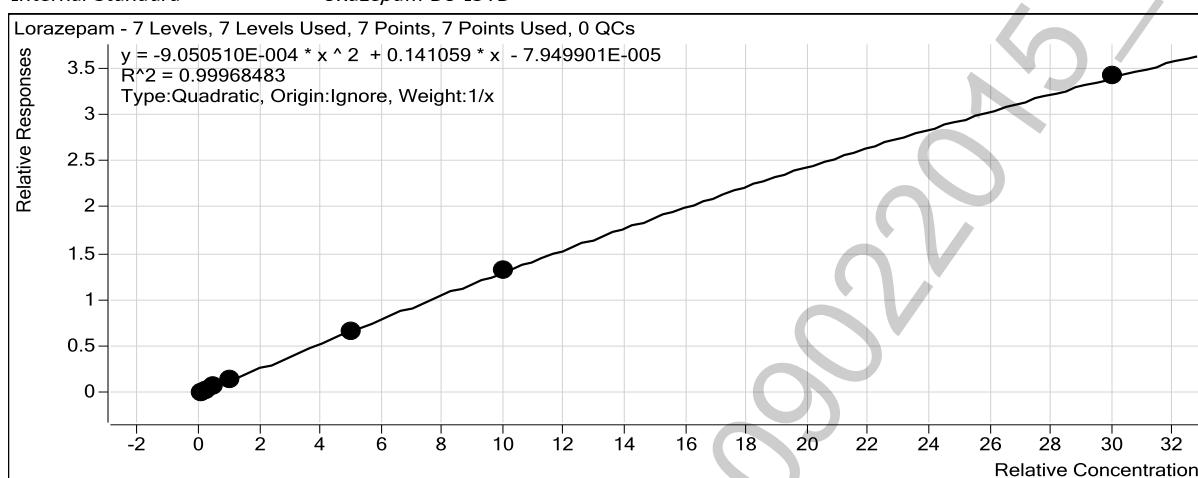
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ngmL	2	☑	10	8.9	88.8
25 ngmL	3	☑	25	25.4	101.5
50 ngmL	4	☑	50	52.0	104.0
100 ngmL	5	☑	100	107.9	107.9
500 ngmL	6	☑	500	489.2	97.8
1000 ngmL	7	☑	1000	999.5	99.9
3000 ngmL	8	☑	3000	3002.5	100.1

ISP Forensics
Calibration Curve Report

Batch Data Path   C:\MassHunter\Data\BZ\BZ-B-090215\QuantResults\BZ-B-090215.batch.bin

Last Calib Update   9/3/2015 8:09 AM   **Analyst Name**   ISP TOX

Target Compound   *Alprazolam*
*Internal Standard*   *alphahydroxyalprazolam-D5 ISTD*

Alprazolam - 7 Levels, 7 Levels Used, 7 Points, 7 Points Used, 0 QCs

$y = -0.013500 * x \wedge 2 + 1.825875 * x - 0.029981$
$R\wedge2 = 0.98854830$
Type:Quadratic, Origin:Ignore, Weight:1/x^2
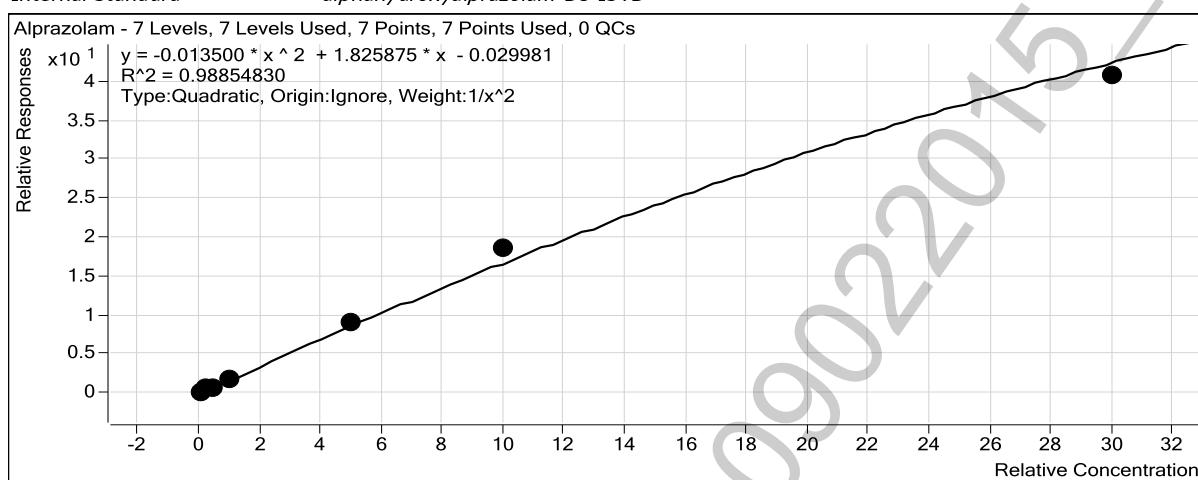
| Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ngmL	2	☑	10	10.0	100.0
25 ngmL	3	☑	25	27.0	108.2
50 ngmL	4	☑	50	41.8	83.6
100 ngmL	5	☑	100	98.5	98.5
500 ngmL	6	☑	500	519.6	103.9
1000 ngmL	7	☑	1000	1113.3	111.3
3000 ngmL	8	☑	3000	2813.9	93.8

ISP Forensics
Calibration Curve Report
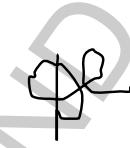
Batch Data Path   C:\MassHunter\Data\BZ\BZ-B-090215\QuantResults\BZ-B-090215.batch.bin

Last Calib Update   9/3/2015 8:09 AM   **Analyst Name**   ISP TOX

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

Flunitrazepam - 7 Levels, 7 Levels Used, 7 Points, 7 Points Used, 0 QCs

$y = -0.008623 * x \wedge 2 + 1.378851 * x - 0.007880$
$R\wedge2 = 0.99951768$
Type:Quadratic, Origin:Ignore, Weight:1/x
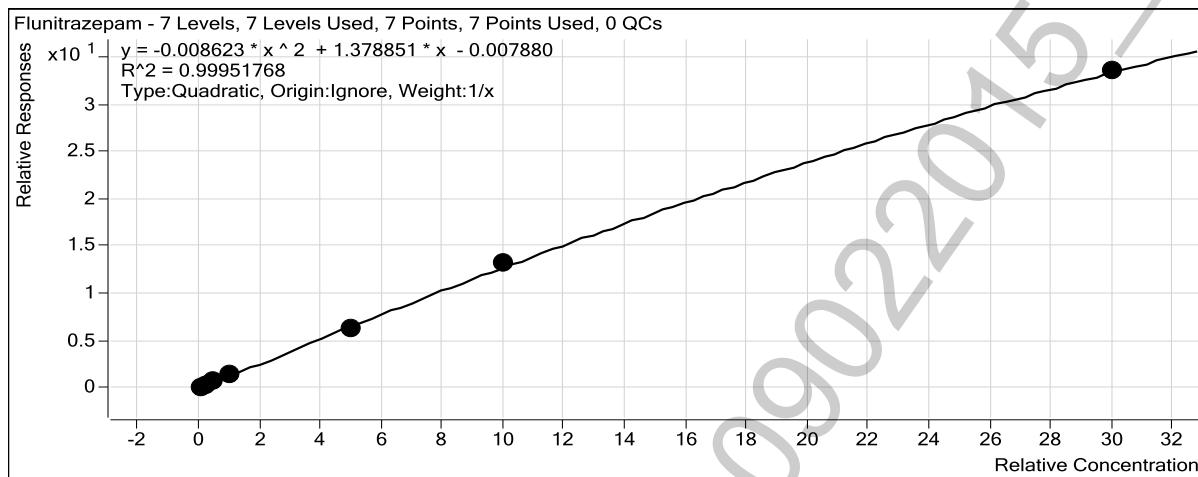
| Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ngmL	2	☑	10	9.5	95.0
25 ngmL	3	☑	25	25.5	101.9
50 ngmL	4	☑	50	50.3	100.5
100 ngmL	5	☑	100	105.1	105.1
500 ngmL	6	☑	500	477.3	95.5
1000 ngmL	7	☑	1000	1021.7	102.2
3000 ngmL	8	☑	3000	2995.3	99.8

ISP Forensics
Calibration Curve Report

Batch Data Path   C:\MassHunter\Data\BZ\BZ-B-090215\QuantResults\BZ-B-090215.batch.bin

Last Calib Update   9/3/2015 8:09 AM   **Analyst Name**   ISP TOX

Target Compound   Temazepam
Internal Standard   *Temazepam-D5 ISTD*

Temazepam - 7 Levels, 7 Levels Used, 7 Points, 7 Points Used, 0 QCs

$y = -0.010116 * x^2 + 0.890004 * x - 0.010278$
$R^2 = 0.99942070$
Type:Quadratic, Origin:Ignore, Weight:1/x
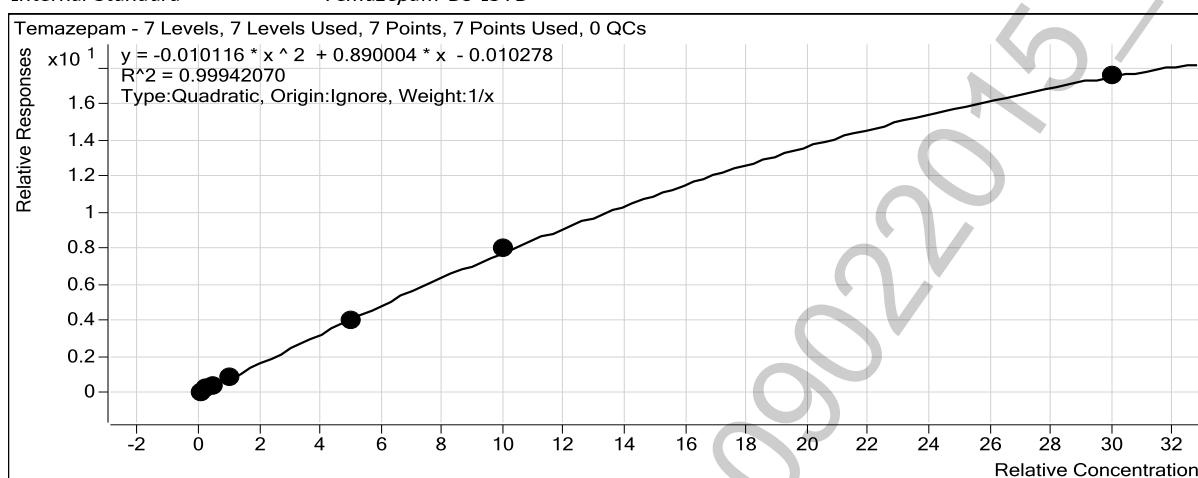
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ngmL	2	☑	10	9.8	98.5
25 ngmL	3	☑	25	25.2	100.8
50 ngmL	4	☑	50	49.8	99.6
100 ngmL	5	☑	100	103.3	103.3
500 ngmL	6	☑	500	476.7	95.3
1000 ngmL	7	☑	1000	1027.9	102.8
3000 ngmL	8	☑	3000	2988.1	99.6

ISP Forensics
Calibration Curve Report

Batch Data Path   C:\MassHunter\Data\BZ\BZ-B-090215\QuantResults\BZ-B-090215.batch.bin

Last Calib Update   9/3/2015 8:09 AM   **Analyst Name**   ISP TOX

__Target Compound__   *Diazepam*
*Internal Standard*   *Diazepam-D5 ISTD*

Diazepam - 7 Levels, 7 Levels Used, 7 Points, 7 Points Used, 0 QCs

$y = -0.012462 * x \char`\^ 2 + 1.141557 * x + 0.006185$
$R\char`\^2 = 0.99927726$
Type:Quadratic, Origin:Ignore, Weight:1/x
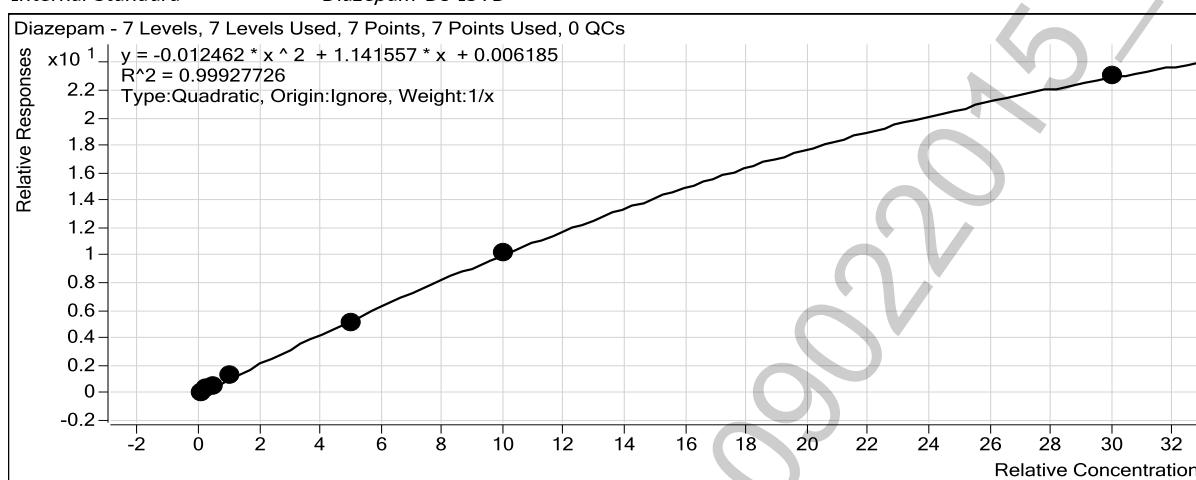
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ngmL	2	☑	10	9.1	90.8
25 ngmL	3	☑	25	25.0	99.9
50 ngmL	4	☑	50	51.1	102.2
100 ngmL	5	☑	100	110.1	110.1
500 ngmL	6	☑	500	479.4	95.9
1000 ngmL	7	☑	1000	1010.9	101.1
3000 ngmL	8	☑	3000	2999.7	100.0

ISP FORENSICS
Pocatello
Benzodiazepine Analysis Report

Batch Data Path	C:\MassHunter\Data\BZ\BZ-B-090215\QuantResults\BZ-B-090215.batch.bin		
Analysis Time	9/3/2015 8:09 AM	**Analyst Name**	ISPUser
Report Time	9/3/2015 8:12 AM	**Reporter Name**	ISPUser
Last Calib Update	9/3/2015 8:09 AM	**Batch State**	Processed

Analysis Info

Acq Time	2015-09-02 13:55	**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\BZ-B-090215\QuantResults\BZ-B-090215.batch.bin		
Analysis Time	9/3/2015 8:09 AM	**Analyst Name**	ISPUser
Report Time	9/3/2015 8:12 AM	**Reporter Name**	ISPUser
Last Calib Update	9/3/2015 8:09 AM	**Batch State**	Processed

Analysis Info

Acq Time	2015-09-02 14:25	**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
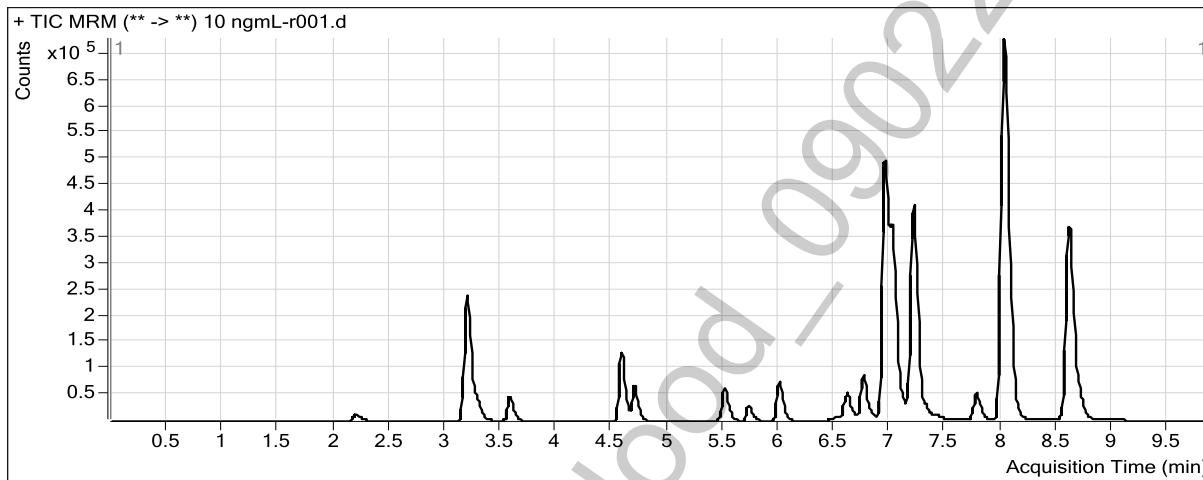
Sample Chromatogram

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

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
7-Aminoclonazepam	7-Aminoflunitrazepam-D7 ISTD	2.209	42214	916232	0.0461	9.6422
7-Aminoflunitrazepam	7-Aminoflunitrazepam-D7 ISTD	3.295	110463	916232	0.1206	8.2868
zopiclone	Oxazepam D5 ISTD	3.581	106523	1463172	0.0728	9.5323
zolpidem	Oxazepam D5 ISTD	4.583	379380	1463172	0.2593	8.0183
Chlordiazepoxide	Nordiazepam-D5 ISTD	4.704	182656	567823	0.3217	9.9133
quetiapine	Temazepam-D5 ISTD	5.510	155049	3172704	0.0489	8.8455
Midazolam	Clonazepam-D4 ISTD	5.732	85701	1367463	0.0627	8.5650
Flurazepam	Diazepam-D5 ISTD	5.995	273623	956854	0.2860	8.3900
Nitrazepam	Clonazepam-D4 ISTD	6.612	126117	1367463	0.0922	9.6498
alpha-hydroxytriazolam	Nordiazepam-D5 ISTD	6.842	16248	567823	0.0286	9.0695
Oxazepam	Oxazepam D5 ISTD	6.989	122489	1463172	0.0837	8.9455
Nordiazepam	Nordiazepam-D5 ISTD	7.109	72542	567823	0.1278	9.2616
Clonazepam	Clonazepam-D4 ISTD	7.240	77833	1367463	0.0569	8.7639
Lorazepam	Oxazepam D5 ISTD	7.323	18194	1463172	0.0124	8.8767
Alprazolam	alphahydroxyalprazolam-D5 ISTD	7.426	38598	253145	0.1525	10.0002
Flunitrazepam	Clonazepam-D4 ISTD	7.771	168238	1367463	0.1230	9.4997
Temazepam	Temazepam-D5 ISTD	8.075	245076	3172704	0.0772	9.8451
Diazepam	Diazepam-D5 ISTD	8.706	105027	956854	0.1098	9.0824

ISP FORENSICS
Pocatello
Benzodiazepine Analysis Report

Batch Data Path	C:\MassHunter\Data\BZ\BZ-B-090215\QuantResults\BZ-B-090215.batch.bin		
Analysis Time	9/3/2015 8:09 AM	**Analyst Name**	ISPUser
Report Time	9/3/2015 8:12 AM	**Reporter Name**	ISPUser
Last Calib Update	9/3/2015 8:09 AM	**Batch State**	Processed

Analysis Info

Acq Time	2015-09-02 14:39	**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-A4	**Sample Info**	
Inj Vol	-1	**Comment**	AM 6.1.1 Benzo and Z by LCQQQ
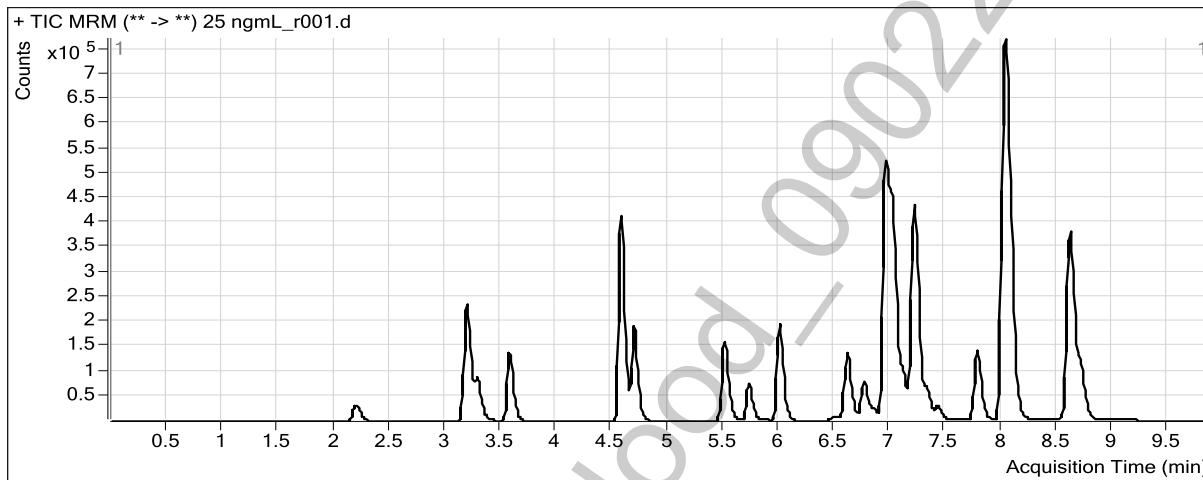
Sample Chromatogram

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

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
7-Aminoclonazepam	7-Aminoflunitrazepam-D7 ISTD	2.201	113290	902282	0.1256	26.0613
7-Aminoflunitrazepam	7-Aminoflunitrazepam-D7 ISTD	3.295	238348	902282	0.2642	24.7810
zopiclone	Oxazepam D5 ISTD	3.573	339745	1509427	0.2251	22.7536
zolpidem	Oxazepam D5 ISTD	4.575	1206053	1509427	0.7990	24.9437
Chlordiazepoxide	Nordiazepam-D5 ISTD	4.696	522010	590356	0.8842	24.6788
quetiapine	Temazepam-D5 ISTD	5.502	425401	3283500	0.1296	27.4195
Midazolam	Clonazepam-D4 ISTD	5.732	230581	1388800	0.1660	25.7154
Flurazepam	Diazepam-D5 ISTD	5.995	657601	1010954	0.6505	25.0821
Nitrazepam	Clonazepam-D4 ISTD	6.612	357445	1388800	0.2574	25.3634
alpha-Hydroxyalprazolam	alphahydroxyalprazolam-D5 ISTD	6.794	19218	200538	0.0958	26.6027
alpha-hydroxytriazolam	Nordiazepam-D5 ISTD	6.850	47509	590356	0.0805	24.7487
Oxazepam	Oxazepam D5 ISTD	6.997	358021	1509427	0.2372	25.6421
Nordiazepam	Nordiazepam-D5 ISTD	7.117	211152	590356	0.3577	25.2055
Clonazepam	Clonazepam-D4 ISTD	7.248	233148	1388800	0.1679	26.0870
Lorazepam	Oxazepam D5 ISTD	7.331	53827	1509427	0.0357	25.3781
Alprazolam	alphahydroxyalprazolam-D5 ISTD	7.426	92797	200538	0.4627	27.0394
Flunitrazepam	Clonazepam-D4 ISTD	7.779	475968	1388800	0.3427	25.4675
Temazepam	Temazepam-D5 ISTD	8.084	700856	3283500	0.2134	25.2099
Diazepam	Diazepam-D5 ISTD	8.714	293770	1010954	0.2906	24.9817

ISP FORENSICS
Pocatello
Benzodiazepine Analysis Report

Batch Data Path	C:\MassHunter\Data\BZ\BZ-B-090215\QuantResults\BZ-B-090215.batch.bin		
Analysis Time	9/3/2015 8:09 AM	**Analyst Name**	ISPUser
Report Time	9/3/2015 8:12 AM	**Reporter Name**	ISPUser
Last Calib Update	9/3/2015 8:09 AM	**Batch State**	Processed

Analysis Info

Acq Time	2015-09-02 14:54	**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-A5	**Sample Info**	
Inj Vol	-1	**Comment**	AM 6.1.1 Benzo and Z by LCQQQ
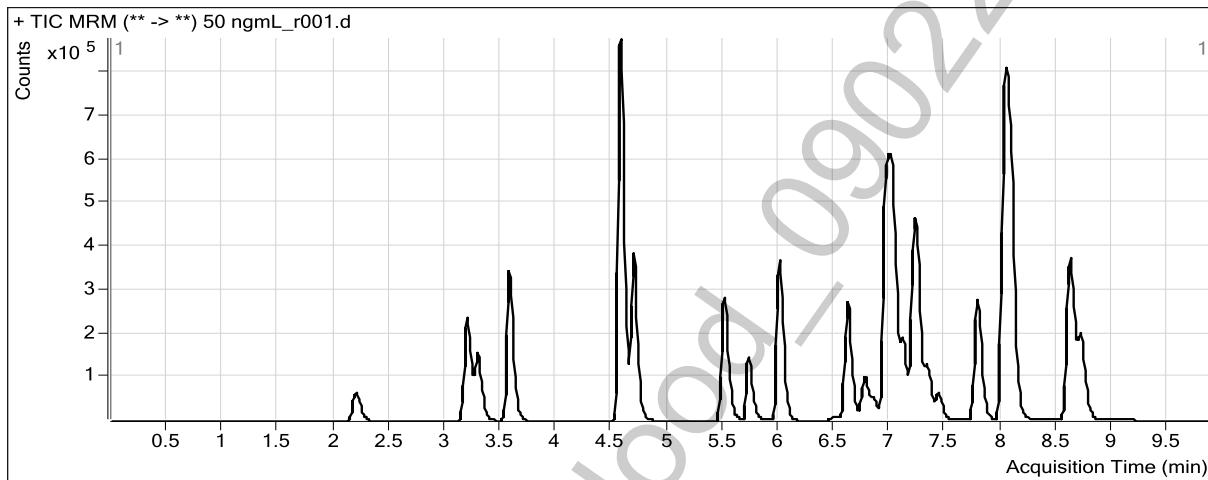
Sample Chromatogram

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

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
7-Aminoclonazepam	7-Aminoflunitrazepam-D7 ISTD	2.201	235598	920796	0.2559	53.1101
7-Aminoflunitrazepam	7-Aminoflunitrazepam-D7 ISTD	3.295	472060	920796	0.5127	53.4419
zopiclone	Oxazepam D5 ISTD	3.573	857309	1538023	0.5574	51.6147
zolpidem	Oxazepam D5 ISTD	4.575	2599058	1538023	1.6899	52.9985
Chlordiazepoxide	Nordiazepam-D5 ISTD	4.696	1072649	582469	1.8416	49.8261
quetiapine	Temazepam-D5 ISTD	5.502	763988	3272103	0.2335	51.4590
Midazolam	Clonazepam-D4 ISTD	5.723	466493	1404964	0.3320	53.2618
Flurazepam	Diazepam-D5 ISTD	5.995	1280636	980851	1.3056	55.1678
Nitrazepam	Clonazepam-D4 ISTD	6.621	731661	1404964	0.5208	50.4856
alpha-Hydroxyalprazolam	alphahydroxyalprazolam-D5 ISTD	6.802	51923	298468	0.1740	45.2090
alpha-hydroxytriazolam	Nordiazepam-D5 ISTD	6.850	99237	582469	0.1704	51.9422
Oxazepam	Oxazepam D5 ISTD	6.997	717253	1538023	0.4663	50.6426
Nordiazepam	Nordiazepam-D5 ISTD	7.117	425412	582469	0.7304	51.1113
Clonazepam	Clonazepam-D4 ISTD	7.257	458307	1404964	0.3262	50.8823
Lorazepam	Oxazepam D5 ISTD	7.331	112298	1538023	0.0730	51.9916
Alprazolam	alphahydroxyalprazolam-D5 ISTD	7.435	218066	298468	0.7306	41.7857
Flunitrazepam	Clonazepam-D4 ISTD	7.779	959545	1404964	0.6830	50.2611
Temazepam	Temazepam-D5 ISTD	8.084	1409118	3272103	0.4306	49.8240
Diazepam	Diazepam-D5 ISTD	8.714	575187	980851	0.5864	51.1133

ISP FORENSICS
Pocatello
Benzodiazepine Analysis Report

Batch Data Path	C:\MassHunter\Data\BZ\BZ-B-090215\QuantResults\BZ-B-090215.batch.bin		
Analysis Time	9/3/2015 8:09 AM	**Analyst Name**	ISPUser
Report Time	9/3/2015 8:12 AM	**Reporter Name**	ISPUser
Last Calib Update	9/3/2015 8:09 AM	**Batch State**	Processed

Analysis Info

Acq Time	2015-09-02 15:08	**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-A6	**Sample Info**	
Inj Vol	-1	**Comment**	AM 6.1.1 Benzo and Z by LCQQQ
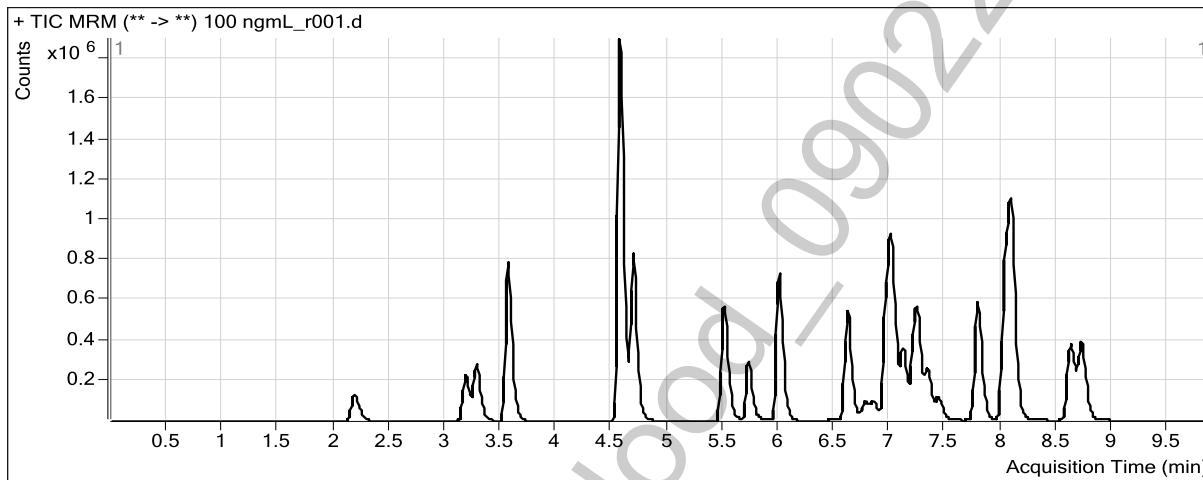
Sample Chromatogram

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

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
7-Aminoclonazepam	7-Aminoflunitrazepam-D7 ISTD	2.192	466533	883496	0.5281	110.1544
7-Aminoflunitrazepam	7-Aminoflunitrazepam-D7 ISTD	3.286	917204	883496	1.0382	114.5468
zopiclone	Oxazepam D5 ISTD	3.565	1989468	1566469	1.2700	113.5363
zolpidem	Oxazepam D5 ISTD	4.566	5749117	1566469	3.6701	115.8982
Chlordiazepoxide	Nordiazepam-D5 ISTD	4.687	2293853	589471	3.8914	103.7567
quetiapine	Temazepam-D5 ISTD	5.502	1503178	3374681	0.4454	100.8954
Midazolam	Clonazepam-D4 ISTD	5.723	924458	1400762	0.6600	107.6825
Flurazepam	Diazepam-D5 ISTD	5.995	2509999	1015979	2.4705	108.9306
Nitrazepam	Clonazepam-D4 ISTD	6.621	1512004	1400762	1.0794	104.0210
alpha-Hydroxyalprazolam	alphahydroxyalprazolam-D5 ISTD	6.802	92070	246999	0.3728	92.5480
alpha-hydroxytriazolam	Nordiazepam-D5 ISTD	6.850	211563	589471	0.3589	109.0309
Oxazepam	Oxazepam D5 ISTD	6.997	1567765	1566469	1.0008	109.2851
Nordiazepam	Nordiazepam-D5 ISTD	7.117	901680	589471	1.5296	106.9248
Clonazepam	Clonazepam-D4 ISTD	7.248	972598	1400762	0.6943	108.8897
Lorazepam	Oxazepam D5 ISTD	7.331	236579	1566469	0.1510	107.8694
Alprazolam	alphahydroxyalprazolam-D5 ISTD	7.435	433696	246999	1.7559	98.5252
Flunitrazepam	Clonazepam-D4 ISTD	7.779	2006514	1400762	1.4324	105.1497
Temazepam	Temazepam-D5 ISTD	8.092	3030352	3374681	0.8980	103.2615
Diazepam	Diazepam-D5 ISTD	8.714	1267871	1015979	1.2479	110.0998

ISP FORENSICS
Pocatello
Benzodiazepine Analysis Report

Batch Data Path	C:\MassHunter\Data\BZ\BZ-B-090215\QuantResults\BZ-B-090215.batch.bin		
Analysis Time	9/3/2015 8:09 AM	**Analyst Name**	ISPUser
Report Time	9/3/2015 8:12 AM	**Reporter Name**	ISPUser
Last Calib Update	9/3/2015 8:09 AM	**Batch State**	Processed

Analysis Info

Acq Time	2015-09-02 15:23	**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-A7	**Sample Info**	
Inj Vol	-1	**Comment**	AM 6.1.1 Benzo and Z by LCQQQ
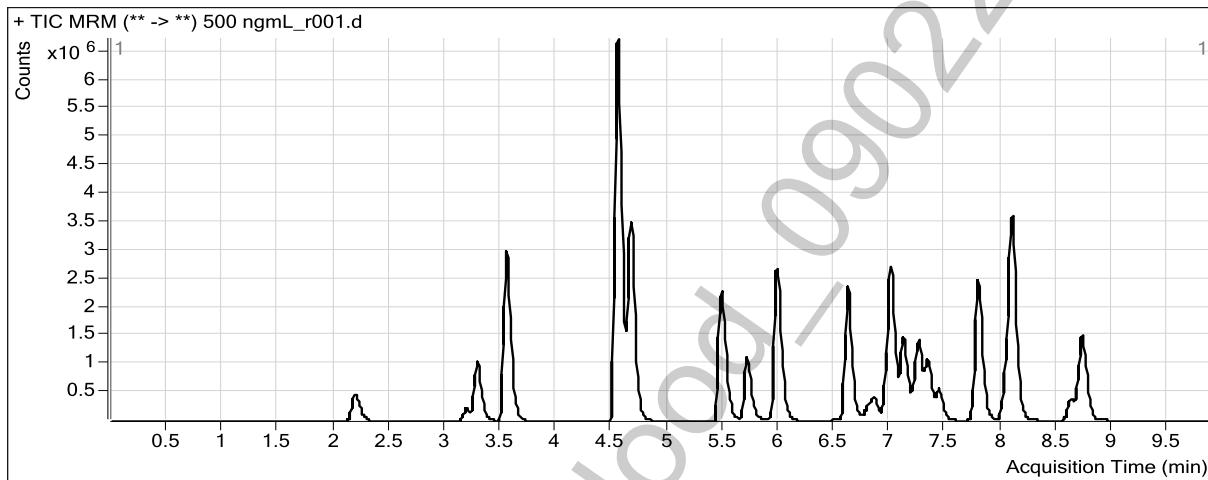
Sample Chromatogram

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

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
7-Aminoclonazepam	7-Aminoflunitrazepam-D7 ISTD	2.192	1695805	874159	1.9399	418.9514
7-Aminoflunitrazepam	7-Aminoflunitrazepam-D7 ISTD	3.286	3589483	874159	4.1062	486.0187
zopiclone	Oxazepam D5 ISTD	3.548	8225282	1495074	5.5016	482.1763
zolpidem	Oxazepam D5 ISTD	4.550	23164347	1495074	15.4938	508.4239
Chlordiazepoxide	Nordiazepam-D5 ISTD	4.671	10766730	584063	18.4342	489.7826
quetiapine	Temazepam-D5 ISTD	5.477	6450947	3232255	1.9958	481.2314
Midazolam	Clonazepam-D4 ISTD	5.706	3932835	1345408	2.9232	483.3760
Flurazepam	Diazepam-D5 ISTD	5.978	10331236	1006310	10.2665	478.1423
Nitrazepam	Clonazepam-D4 ISTD	6.621	6468960	1345408	4.8082	470.6034
alpha-Hydroxyalprazolam	alphahydroxyalprazolam-D5 ISTD	6.802	465163	223440	2.0818	499.5346
alpha-hydroxytriazolam	Nordiazepam-D5 ISTD	6.850	929213	584063	1.5909	484.0837
Oxazepam	Oxazepam D5 ISTD	7.006	6452595	1495074	4.3159	484.0673
Nordiazepam	Nordiazepam-D5 ISTD	7.126	3942759	584063	6.7506	480.5242
Clonazepam	Clonazepam-D4 ISTD	7.257	4031251	1345408	2.9963	483.7058
Lorazepam	Oxazepam D5 ISTD	7.331	999277	1495074	0.6684	489.2435
Alprazolam	alphahydroxyalprazolam-D5 ISTD	7.435	2031651	223440	9.0926	519.5878
Flunitrazepam	Clonazepam-D4 ISTD	7.787	8578804	1345408	6.3764	477.2547
Temazepam	Temazepam-D5 ISTD	8.092	12936063	3232255	4.0022	476.6611
Diazepam	Diazepam-D5 ISTD	8.723	5224671	1006310	5.1919	479.3511

ISP FORENSICS
Pocatello
Benzodiazepine Analysis Report

Batch Data Path	C:\MassHunter\Data\BZ\BZ-B-090215\QuantResults\BZ-B-090215.batch.bin		
Analysis Time	9/3/2015 8:09 AM	**Analyst Name**	ISPUser
Report Time	9/3/2015 8:12 AM	**Reporter Name**	ISPUser
Last Calib Update	9/3/2015 8:09 AM	**Batch State**	Processed

Analysis Info

Acq Time	2015-09-02 15:38	**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-A8	**Sample Info**	
Inj Vol	-1	**Comment**	AM 6.1.1 Benzo and Z by LCQQQ
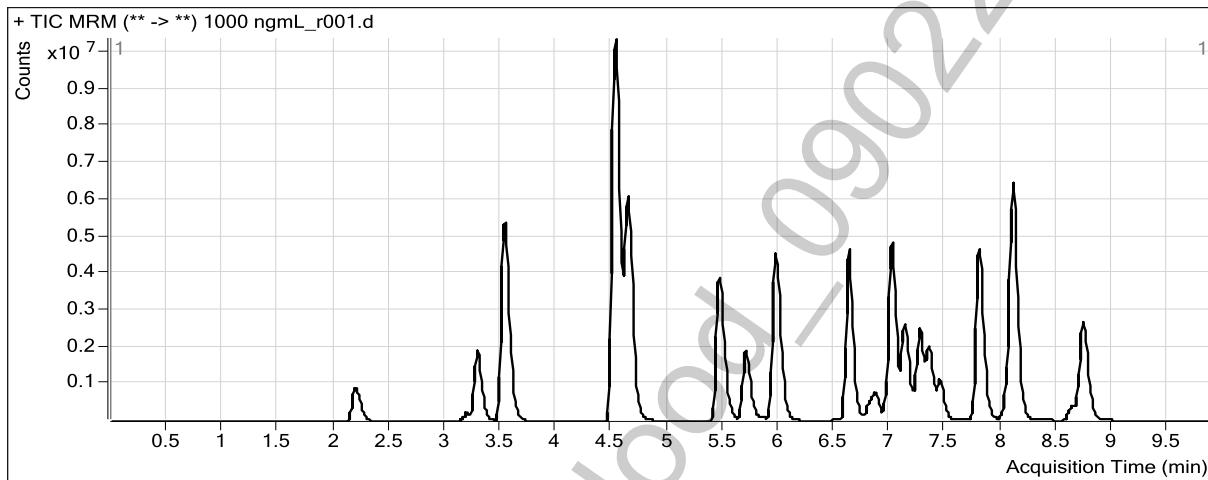
Sample Chromatogram

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

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
7-Aminoclonazepam	7-Aminoflunitrazepam-D7 ISTD	2.201	3385852	843751	4.0129	920.8237
7-Aminoflunitrazepam	7-Aminoflunitrazepam-D7 ISTD	3.295	6693173	843751	7.9326	991.5776
zopiclone	Oxazepam D5 ISTD	3.531	16575180	1446047	11.4624	1004.2567
zolpidem	Oxazepam D5 ISTD	4.525	40391387	1446047	27.9323	959.0412
Chlordiazepoxide	Nordiazepam-D5 ISTD	4.646	20151288	535787	37.6107	1008.2897
quetiapine	Temazepam-D5 ISTD	5.460	12116214	3067566	3.9498	1020.2122
Midazolam	Clonazepam-D4 ISTD	5.697	7586789	1250133	6.0688	1005.9059
Flurazepam	Diazepam-D5 ISTD	5.961	19795053	949585	20.8460	1008.6891
Nitrazepam	Clonazepam-D4 ISTD	6.629	12741292	1250133	10.1920	1032.0065
alpha-Hydroxyalprazolam	alphahydroxyalprazolam-D5 ISTD	6.819	1010156	220438	4.5825	1095.0314
alpha-hydroxytriazolam	Nordiazepam-D5 ISTD	6.867	1760259	535787	3.2854	1005.6362
Oxazepam	Oxazepam D5 ISTD	7.014	12494597	1446047	8.6405	1005.7850
Nordiazepam	Nordiazepam-D5 ISTD	7.134	7401077	535787	13.8135	1013.8069
Clonazepam	Clonazepam-D4 ISTD	7.265	7479121	1250133	5.9827	1006.0350
Lorazepam	Oxazepam D5 ISTD	7.348	1907834	1446047	1.3193	999.4630
Alprazolam	alphahydroxyalprazolam-D5 ISTD	7.443	4105355	220438	18.6236	1113.2586
Flunitrazepam	Clonazepam-D4 ISTD	7.796	16477100	1250133	13.1803	1021.7429
Temazepam	Temazepam-D5 ISTD	8.100	24753499	3067566	8.0694	1027.9304
Diazepam	Diazepam-D5 ISTD	8.731	9754896	949585	10.2728	1010.9099

ISP FORENSICS
Pocatello
Benzodiazepine Analysis Report

Batch Data Path	C:\MassHunter\Data\BZ\BZ-B-090215\QuantResults\BZ-B-090215.batch.bin

Analysis Time	9/3/2015 8:09 AM	**Analyst Name**	ISPUser
Report Time	9/3/2015 8:12 AM	**Reporter Name**	ISPUser
Last Calib Update	9/3/2015 8:09 AM	**Batch State**	Processed

Analysis Info

Acq Time	2015-09-02 15:52	**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-A9	**Sample Info**	
Inj Vol	-1	**Comment**	AM 6.1.1 Benzo and Z by LCQQQ
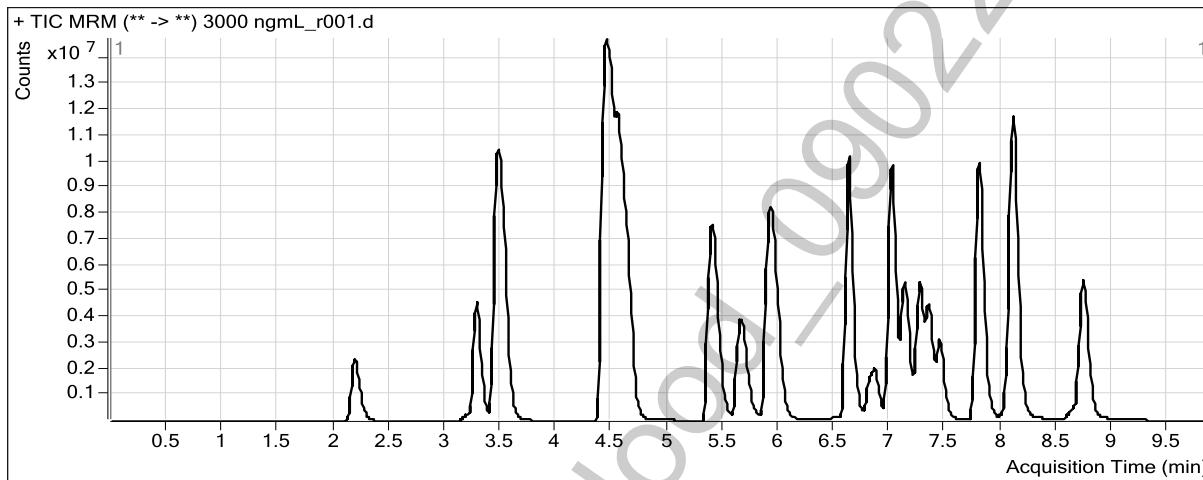
Sample Chromatogram

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

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
7-Aminoclonazepam	7-Aminoflunitrazepam-D7 ISTD	2.192	8938200	870757	10.2649	3434.9554
7-Aminoflunitrazepam	7-Aminoflunitrazepam-D7 ISTD	3.286	16712033	870757	19.1925	3008.5142
zopiclone	Oxazepam D5 ISTD	3.473	43018645	1268423	33.9151	3001.1348
zolpidem	Oxazepam D5 ISTD	4.450	87998686	1268423	69.3764	3021.2986
Chlordiazepoxide	Nordiazepam-D5 ISTD	4.579	48522508	451707	107.4203	2998.7479
quetiapine	Temazepam-D5 ISTD	5.393	24225337	2794206	8.6698	2992.3531
Midazolam	Clonazepam-D4 ISTD	5.655	20323101	1125698	18.0538	3000.4935
Flurazepam	Diazepam-D5 ISTD	5.920	49993811	925612	54.0116	3000.7883
Nitrazepam	Clonazepam-D4 ISTD	6.629	29146646	1125698	25.8921	2992.3761
alpha-Hydroxyalprazolam	alphahydroxyalprazolam-D5 ISTD	6.810	3178022	249553	12.7349	3036.3878
alpha-hydroxytriazolam	Nordiazepam-D5 ISTD	6.858	4320013	451707	9.5638	3000.4971
Oxazepam	Oxazepam D5 ISTD	7.014	27985245	1268423	22.0630	3000.8289
Nordiazepam	Nordiazepam-D5 ISTD	7.134	16293026	451707	36.0699	2998.1026
Clonazepam	Clonazepam-D4 ISTD	7.265	16900871	1125698	15.0137	3000.8836
Lorazepam	Oxazepam D5 ISTD	7.348	4337146	1268423	3.4193	3002.5108
Alprazolam	alphahydroxyalprazolam-D5 ISTD	7.443	10146645	249553	40.6593	2813.9172
Flunitrazepam	Clonazepam-D4 ISTD	7.796	37774747	1125698	33.5567	2995.2837
Temazepam	Temazepam-D5 ISTD	8.101	49042080	2794206	17.5513	2988.0682
Diazepam	Diazepam-D5 ISTD	8.731	21322587	925612	23.0362	2999.6845

ISP FORENSICS
Pocatello
Benzodiazepine Analysis Report

Batch Data Path	C:\MassHunter\Data\BZ\BZ-B-090215\QuantResults\BZ-B-090215.batch.bin		
Analysis Time	9/3/2015 8:09 AM	**Analyst Name**	ISPUser
Report Time	9/3/2015 8:12 AM	**Reporter Name**	ISPUser
Last Calib Update	9/3/2015 8:09 AM	**Batch State**	Processed

Analysis Info

Acq Time	2015-09-02 16:07	**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
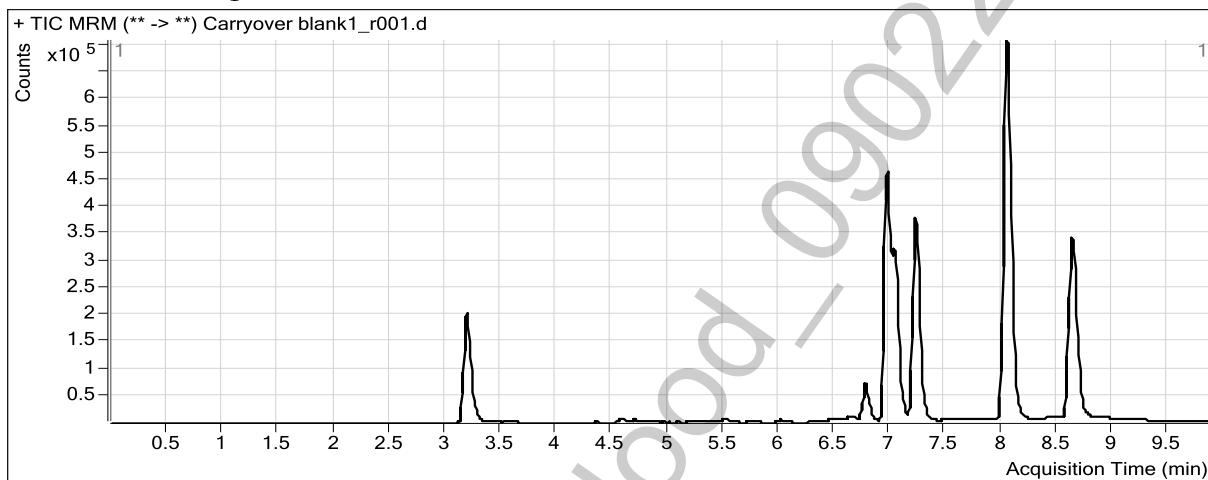
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
zolpidem	Oxazepam D5 ISTD	4.583	22487	1439775	0.0156	0.3947 *
Temazepam	Temazepam-D5 ISTD	8.109	15258	3072324	0.0050	1.7132 *

*None detected.

ISP FORENSICS
Pocatello
Benzodiazepine Analysis Report

Batch Data Path	C:\MassHunter\Data\BZ\BZ-B-090215\QuantResults\BZ-B-090215.batch.bin		
Analysis Time	9/3/2015 8:09 AM	**Analyst Name**	ISPUser
Report Time	9/3/2015 8:12 AM	**Reporter Name**	ISPUser
Last Calib Update	9/3/2015 8:09 AM	**Batch State**	Processed

Analysis Info

Acq Time	2015-09-02 16:21	**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-B1	**Sample Info**	UTAK Negative Whole Blood LOT B0689
Inj Vol	-1	**Comment**	AM 6.1.1 Benzo and Z by LCQQQ

Sample Chromatogram

+ TIC MRM (** -> **) NC-B_r001.d

ISP FORENSICS
Pocatello
Benzodiazepine Analysis Report

Batch Data Path	C:\MassHunter\Data\BZ\BZ-B-090215\QuantResults\BZ-B-090215.batch.bin		
Analysis Time	9/3/2015 8:09 AM	**Analyst Name**	ISPUser
Report Time	9/3/2015 8:12 AM	**Reporter Name**	ISPUser
Last Calib Update	9/3/2015 8:09 AM	**Batch State**	Processed

Analysis Info

Acq Time	2015-09-02 16:36	**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-B2	**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
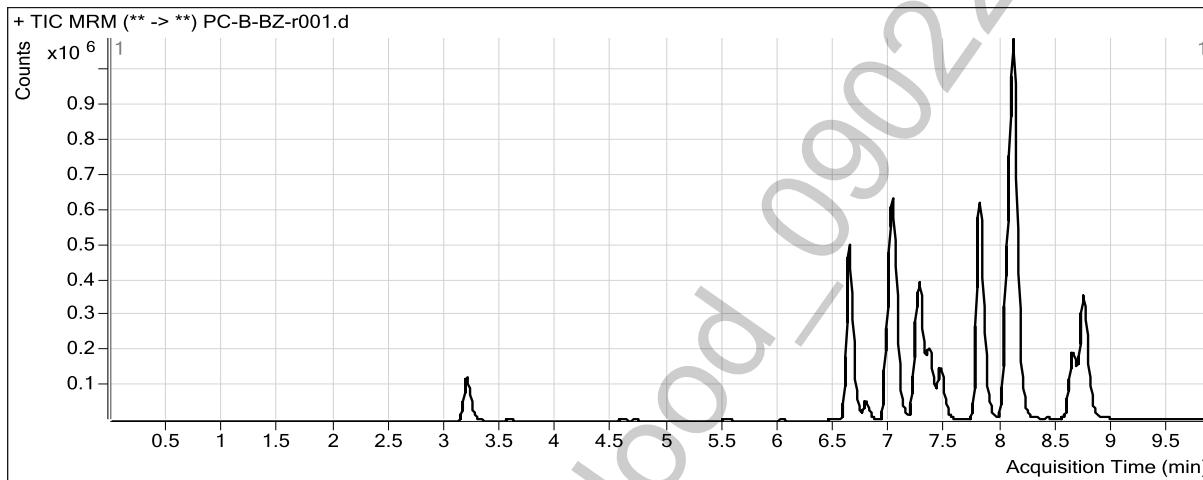
Sample Chromatogram

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

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
zolpidem	Oxazepam D5 ISTD	4.583	22694	714794	0.0317	0.8990 *
quetiapine	Temazepam-D5 ISTD	5.518	16683	1954183	0.0085	0.0000 *
Nitrazepam	Clonazepam-D4 ISTD	6.629	1344117	731006	1.8387	177.3447
Oxazepam	Oxazepam D5 ISTD	7.014	1239292	714794	1.7338	190.4760
Clonazepam	Clonazepam-D4 ISTD	7.265	896576	731006	1.2265	193.6457
Lorazepam	Oxazepam D5 ISTD	7.348	173299	714794	0.2424	173.8717
Alprazolam	alphahydroxyalprazolam-D5 ISTD	7.451	560087	152822	3.6650	205.4883
Flunitrazepam	Clonazepam-D4 ISTD	7.796	2121523	731006	2.9022	213.9123
Temazepam	Temazepam-D5 ISTD	8.109	3493328	1954183	1.7876	206.8740
Diazepam	Diazepam-D5 ISTD	8.731	1164856	507520	2.2952	205.1087

*None detected.

ISP FORENSICS
Pocatello
Benzodiazepine Analysis Report

Batch Data Path	C:\MassHunter\Data\BZ\BZ-B-090215\QuantResults\BZ-B-090215.batch.bin		
Analysis Time	9/3/2015 8:09 AM	**Analyst Name**	ISPUser
Report Time	9/3/2015 8:12 AM	**Reporter Name**	ISPUser
Last Calib Update	9/3/2015 8:09 AM	**Batch State**	Processed

Analysis Info

Acq Time	2015-09-02 16:51	**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
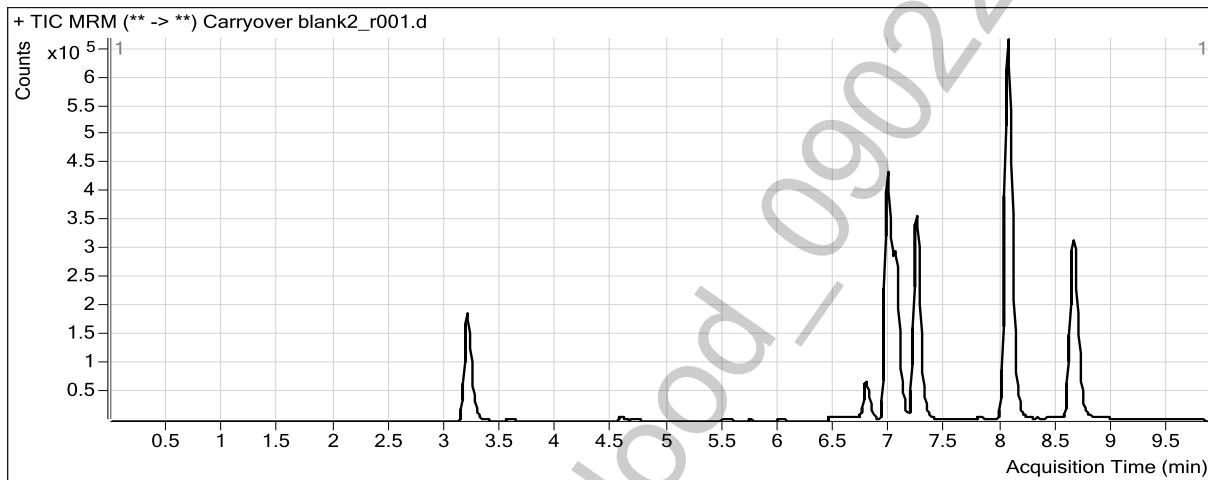
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
zolpidem	Oxazepam D5 ISTD	4.583	19449	1363402	0.0143	0.3523 *

*None detected.

ISP FORENSICS
## Pocatello
Benzodiazepine Analysis Report

Batch Data Path	C:\MassHunter\Data\BZ\BZ-B-090215\QuantResults\BZ-B-090215.batch.bin		
Analysis Time	9/3/2015 8:09 AM	**Analyst Name**	ISPUser
Report Time	9/3/2015 8:12 AM	**Reporter Name**	ISPUser
Last Calib Update	9/3/2015 8:09 AM	**Batch State**	Processed

Analysis Info

Acq Time	2015-09-03 00:53	**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\BZ-B-090215\QuantResults\BZ-B-090215.batch.bin		
Analysis Time	9/3/2015 8:09 AM	**Analyst Name**	ISPUser
Report Time	9/3/2015 8:12 AM	**Reporter Name**	ISPUser
Last Calib Update	9/3/2015 8:09 AM	**Batch State**	Processed

Analysis Info

Acq Time	2015-09-03 01:08	**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