10/23/2017

Worklist: 1962

LAB CASE	ITEM	TASK ID	DESCRIPTION	
M2017-2620	1	98152	AM 13 Blood LCMS-QQQ Benz	
M2017-2634	1	98153	AM 13 Blood LCMS-QQQ Benz	
P2017-1464	1	98154	AM 13 Blood LCMS-QQQ Benz	
P2017-1576	1	98155	AM 13 Blood LCMS-QQQ Benz	
P2017-1626	1	98156	AM 13 Blood LCMS-QQQ Benz	
P2017-1637	1	98157	AM 13 Blood LCMS-QQQ Benz	

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Worklist Report

Worklist Path:	*C:\MassHunter\ISP Methods\worklists\TS Combined 102417.wkl*
Date Modified:	*10/24/2017 02:52:42 PM*
Date Printed:	*10/24/2017 02:53:15 PM*

Worklist Run Parameters

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*
DA Method Path:	*D:\MassHunter\methods*
Data File Path:	*C:\MassHunter\Data\2017\Combined\102417 TS*
Pre-Worklist Script:	---
Post-Worklist Script:	*SCP_InstrumentStandby(){MH_Acq_Scripts.exe}*
Acquisition Clean Up Script:	---
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	
P2	

Worklist Table

Sample positions verified.   TS

Sample Position	Sample Name	Method	Data File	Sample Type	Level Name	Comment	Info.
P1-A1	Blank	Benzos_Z_Drugs_ACN_FA_ISP_2017.m	BZ-Blank.d	Blank		AM 6.1.1 Benzo and Z by LCQQQ	Blood
P1-A1	Blank	Benzos_Z_Drugs_ACN_FA_ISP_2017.m	BZ-Blank1-r001.d	Blank		AM 6.1.1 Benzo and Z by LCQQQ	Blood
P1-A1	Blank	Benzos_Z_Drugs_ACN_FA_ISP_2017.m	BZ-Blank2-r001.d	Blank		AM 6.1.1 Benzo and Z by LCQQQ	Blood
P1-A2	10 ngmL	Benzos_Z_Drugs_ACN_FA_ISP_2017.m	BZ-10 ngmL-r001.d	Calibration	2	AM 6.1.1 Benzo and Z by LCQQQ	
P1-A3	25 ngmL	Benzos_Z_Drugs_ACN_FA_ISP_2017.m	BZ-25 ngmL_r001.d	Calibration	3	AM 6.1.1 Benzo and Z by LCQQQ	
P1-A4	50 ngmL	Benzos_Z_Drugs_ACN_FA_ISP_2017.m	BZ-50 ngmL_r001.d	Calibration	4	AM 6.1.1 Benzo and Z by LCQQQ	
P1-A5	100 ngmL	Benzos_Z_Drugs_ACN_FA_ISP_2017.m	BZ-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-A6	500 ngmL	Benzos_Z_Drugs_ACN_FA_ISP_2017.m	BZ-500 ngmL_r001.d	Calibration	6	AM 6.1.1 Benzo and Z by LCQQQ	
P1-A7	1000 ngmL	Benzos_Z_Drugs_ACN_FA_ISP_2017.m	BZ-1000 ngmL_r001.d	Calibration	7	AM 6.1.1 Benzo and Z by LCQQQ	
P1-A1	Blank	Benzos_Z_Drugs_ACN_FA_ISP_2017.m	BZ-Carryover blank1_r001.d	Blank		AM 6.1.1 Benzo and Z by LCQQQ	
P1-A8	Negative Blood Control	Benzos_Z_Drugs_ACN_FA_ISP_2017.m	BZ-NC-B_r001.d	Sample		AM 6.1.1 Benzo and Z by LCQQQ	UTAK Negative Whole Blood LOT B1013
P1-A9	Positive Blood Control	Benzos_Z_Drugs_ACN_FA_ISP_2017.m	BZ-PC-B-r001.d	Sample		AM 6.1.1 Benzo and Z by LCQQQ	Benzodiazepines Mix Cerilliant lot FE012413-02 in UTAK LOT B1013
P1-A1	Blank	Benzos_Z_Drugs_ACN_FA_ISP_2017.m	BZ-Carryover blank-C2016-1060-1_r001.d	Blank		AM 6.1.1 Benzo and Z by LCQQQ	
P1-B1	M2017-2620	Benzos_Z_Drugs_ACN_FA_ISP_2017.m	BZ-M2017-2620.d	Sample		AM 6.1.1 Benzo and Z by LCQQQ	Blood
P1-B2	M2017-2634	Benzos_Z_Drugs_ACN_FA_ISP_2017.m	BZ-M2017-2634.d	Sample		AM 6.1.1 Benzo and Z by LCQQQ	
P1-B3	P2017-1464	Benzos_Z_Drugs_ACN_FA_ISP_2017.m	BZ-P2017-1464.d	Sample		AM 6.1.1 Benzo and Z by LCQQQ	Blood
P1-B4	P2017-1576	Benzos_Z_Drugs_ACN_FA_ISP_2017.m	BZ-P2017-1576.d	Sample		AM 6.1.1 Benzo and Z by LCQQQ	
P1-B5	P2017-1626	Benzos_Z_Drugs_ACN_FA_ISP_2017.m	BZ-P2017-1626.d	Sample		AM 6.1.1 Benzo and Z by LCQQQ	Blood
P1-B6	P2017-1637	Benzos_Z_Drugs_ACN_FA_ISP_2017.m	BZ-P2017-1637.d	Sample		AM 6.1.1 Benzo and Z by LCQQQ	Blood
P1-A1	Blank	Benzos_Z_Drugs_ACN_FA_ISP_2017.m	BZ-end of run blank.d	Blank		AM 6.1.2 Cannabinoids by LCQQQ	
P1-D1	Blank	isp blood cannabinoids Poky 2016-3.m	MJ-Blank1-r001.d	Blank		AM 6.1.2 Cannabinoids by LCQQQ	
P1-D1	Blank	isp blood cannabinoids Poky 2016-3.m	MJ-Blank2-r001.d	Blank		AM 6.1.2 Cannabinoids by LCQQQ	
P1-D2	Blood: 1_5 ngmL	isp blood cannabinoids Poky 2016-3.m	MJ-CAL1-r001.d	Calibration	1	AM 6.1.2 Cannabinoids by LCQQQ	c-THC @5ng/mL, all others @1 ng/mL
P1-D3	Blood: 2_10 ngmL	isp blood cannabinoids Poky 2016-3.m	MJ-CAL2_r001.d	Calibration	2	AM 6.1.2 Cannabinoids by LCQQQ	c-THC @10ng/mL, all others @2 ng/mL
P1-D4	Blood: 5_25 ngmL	isp blood cannabinoids Poky 2016-3.m	MJ-CAL3_r001.d	Calibration	3	AM 6.1.2 Cannabinoids by LCQQQ	c-THC @25ng/mL, all others @5 ng/mL

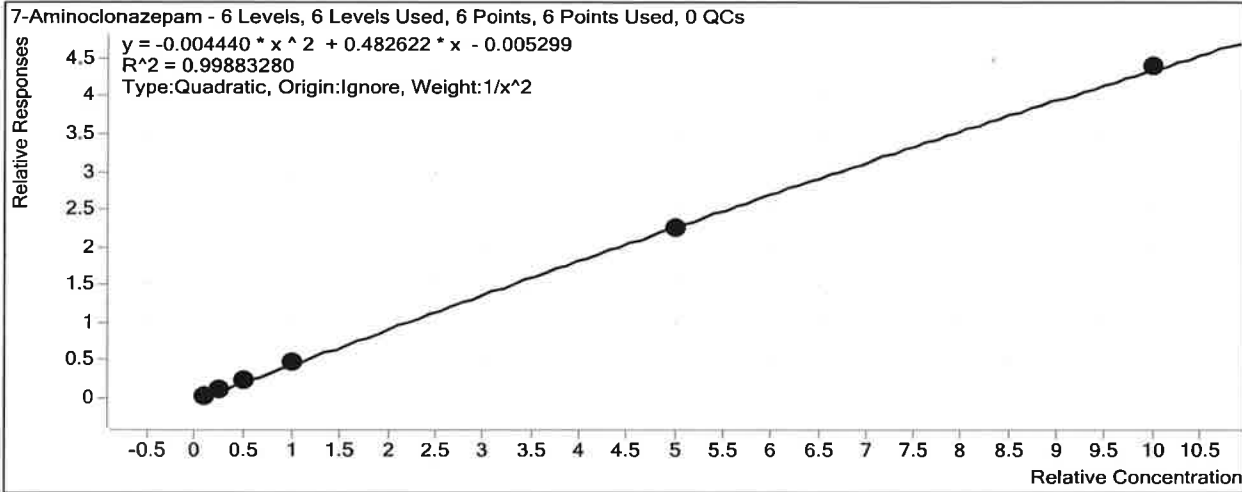| Sample Position	Sample Name	Method	Data File	Sample Type	Level Name	Comment	Info.
P1-D5	Blood: 10_50 ngmL	isp blood cannabinoids Poky 2016-3.m	MJ-CAL4_r001.d	Calibration	4	AM 6.1.2 Cannabinoids by LCQQQ	c-THC @50ng/mL, all others @10 ng/mL
P1-D6	Blood: 25_125 ngmL	isp blood cannabinoids Poky 2016-3.m	MJ-CAL5_r001.d	Calibration	5	AM 6.1.2 Cannabinoids by LCQQQ	c-THC @125ng/mL, all others @25 ng/mL
P1-D7	Blood: 50_250 ngmL	isp blood cannabinoids Poky 2016-3.m	MJ-CAL6_r001.d	Calibration	6	AM 6.1.2 Cannabinoids by LCQQQ	c-THC @250ng/mL, all others @50 ng/mL
P1-D1	Blank	isp blood cannabinoids Poky 2016-3.m	MJ-Carryover blank1_r001.d	Blank		AM 6.1.2 Cannabinoids by LCQQQ	
P1-D8	Blood Negative Control	isp blood cannabinoids Poky 2016-3.m	MJ-NC-r001.d	Sample		AM 6.1.2 Cannabinoids by LCQQQ	Negative Blood UTAK Lot B1013
P1-D9	PC1	isp blood cannabinoids Poky 2016-3.m	MJ-POS Ctrl 1-r001.d	Sample		AM 6.1.2 Cannabinoids by LCQQQ	Positive Control-UTAK B1013 + WS060716
P1-D1	Blank	isp blood cannabinoids Poky 2016-3.m	MJ-Blank 3_r001.d	Blank		AM 6.1.2 Cannabinoids by LCQQQ	
P1-E1	M2017-1827	isp blood cannabinoids Poky 2016-3.m	M2017-1827.d	Sample		AM 6.1.2 Cannabinoids by LCQQQ	Blood
P1-E2	M2017-2593	isp blood cannabinoids Poky 2016-3.m	M2017-2593.d	Sample		AM 6.1.2 Cannabinoids by LCQQQ	
P1-E3	M2017-2620	isp blood cannabinoids Poky 2016-3.m	M2017-2620.d	Sample		AM 6.1.2 Cannabinoids by LCQQQ	Blood
P1-E4	M2017-2661-1	isp blood cannabinoids Poky 2016-3.m	M2017-2661-1.d	Sample		AM 6.1.2 Cannabinoids by LCQQQ	
P1-E5	PC2	isp blood cannabinoids Poky 2016-3.m	MJ-POS Ctrl 2-r001.d	Sample		AM 6.1.2 Cannabinoids by LCQQQ	Positive Control-UTAK B1013 + WS060716
P1-E6	P2017-1522	isp blood cannabinoids Poky 2016-3.m	P2017-1522.d	Sample		AM 6.1.2 Cannabinoids by LCQQQ	Blood
P1-E7	P2017-1544	isp blood cannabinoids Poky 2016-3.m	P2017-1544.d	Sample		AM 6.1.2 Cannabinoids by LCQQQ	
P1-E8	P2017-1575	isp blood cannabinoids Poky 2016-3.m	P2017-1575.d	Sample		AM 6.1.2 Cannabinoids by LCQQQ	Blood
P1-E9	P2017-1664	isp blood cannabinoids Poky 2016-3.m	P2017-1664.d	Sample		AM 6.1.2 Cannabinoids by LCQQQ	
P1-D1	Blank	isp blood cannabinoids Poky 2016-3.m	MJ-Blank4-r001.d	Blank		AM 6.1.2 Cannabinoids by LCQQQ	Blood

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Batch Data Path C:\MassHunter\Data\2017\Combined\102417 TS\QuantResults\102417 TS BENZ.batch.bin

Last Calib Update 10/25/2017 8:40 AM **Analyst Name** ISP TOX

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

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

$y = -0.004440 * x^2 + 0.482622 * x - 0.005299$
$R^2 = 0.99883280$
Type:Quadratic, Origin:Ignore, Weight:$1/x^2$

(Plot: Relative Responses vs Relative Concentration)

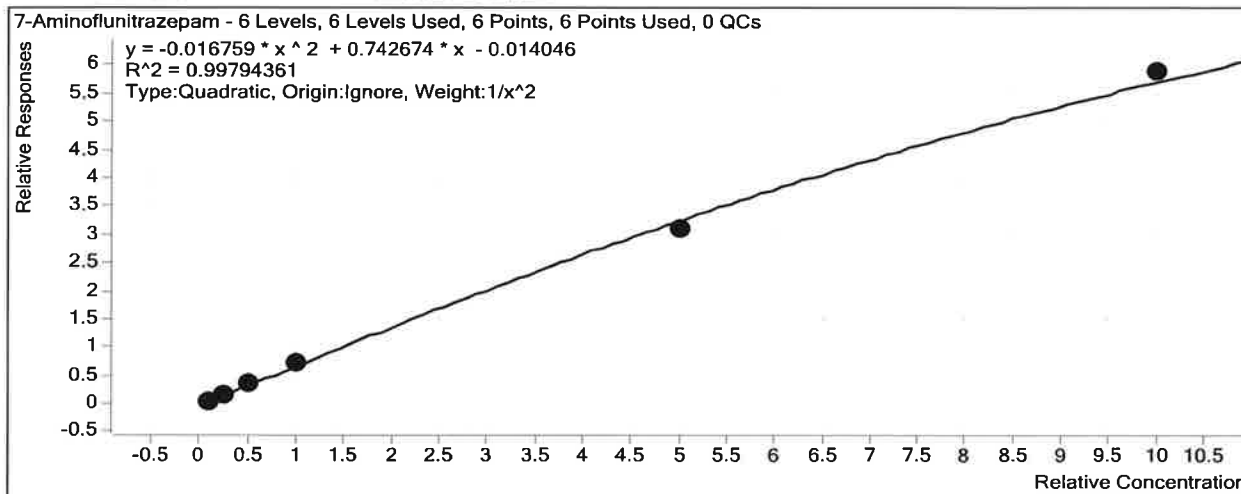| Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ngmL	2	☑	10	10.1	101.4
25 ngmL	3	☑	25	23.9	95.5
50 ngmL	4	☑	50	50.2	100.3
100 ngmL	5	☑	100	103.8	103.8
500 ngmL	6	☑	500	493.1	98.6
1000 ngmL	7	☑	1000	1004.1	100.4

TS

Batch Data Path　　　　C:\MassHunter\Data\2017\Combined\102417 TS\QuantResults\102417 TS BENZ.batch.bin

Last Calib Update　　　　10/25/2017 8:40 AM　　　　**Analyst Name**　　　　ISP TOX

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

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

$y = -0.016759 * x^2 + 0.742674 * x - 0.014046$
$R^2 = 0.99794361$
Type:Quadratic, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ngmL	2	☑	10	10.1	100.8
25 ngmL	3	☑	25	24.1	96.5
50 ngmL	4	☑	50	50.5	101.0
100 ngmL	5	☑	100	104.7	104.7
500 ngmL	6	☑	500	469.8	94.0
1000 ngmL	7	☑	1000	1035.9	103.6

ISP Forensics
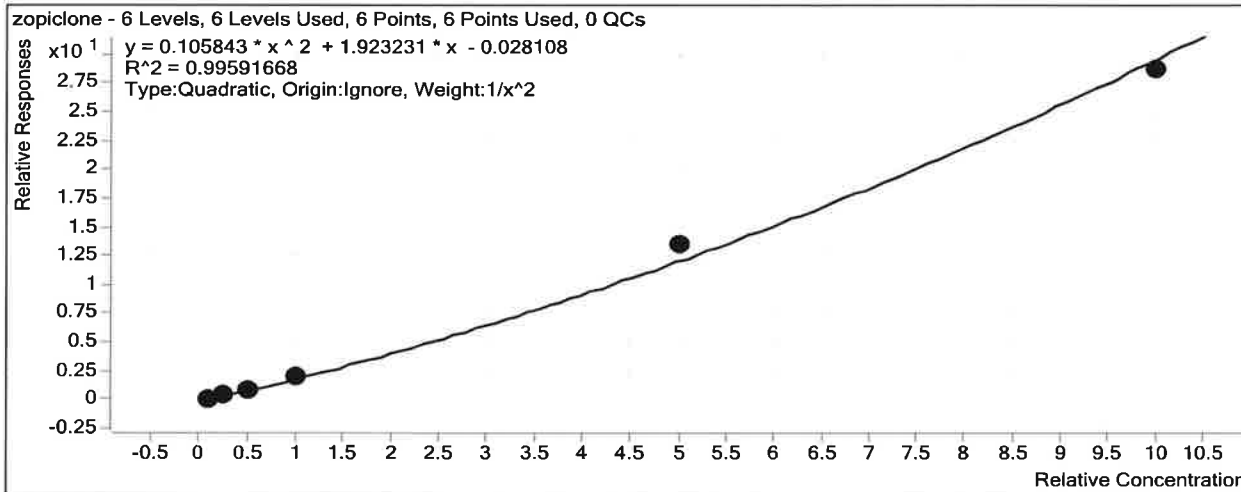# Calibration Curve Report

Batch Data Path   C:\MassHunter\Data\2017\Combined\102417 TS\QuantResults\102417 TS BENZ.batch.bin

Last Calib Update   10/25/2017 8:40 AM   **Analyst Name**   ISP TOX

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

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

$y = 0.105843 * x \wedge 2 + 1.923231 * x - 0.028108$
$R\wedge2 = 0.99591668$
Type:Quadratic, Origin:Ignore, Weight:$1/x\wedge2$

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ngmL	2	☑	10	10.2	101.9
25 ngmL	3	☑	25	24.5	97.8
50 ngmL	4	☑	50	47.3	94.7
100 ngmL	5	☑	100	99.4	99.4
500 ngmL	6	☑	500	539.9	108.0
1000 ngmL	7	☑	1000	971.8	97.2

ISP Forensics
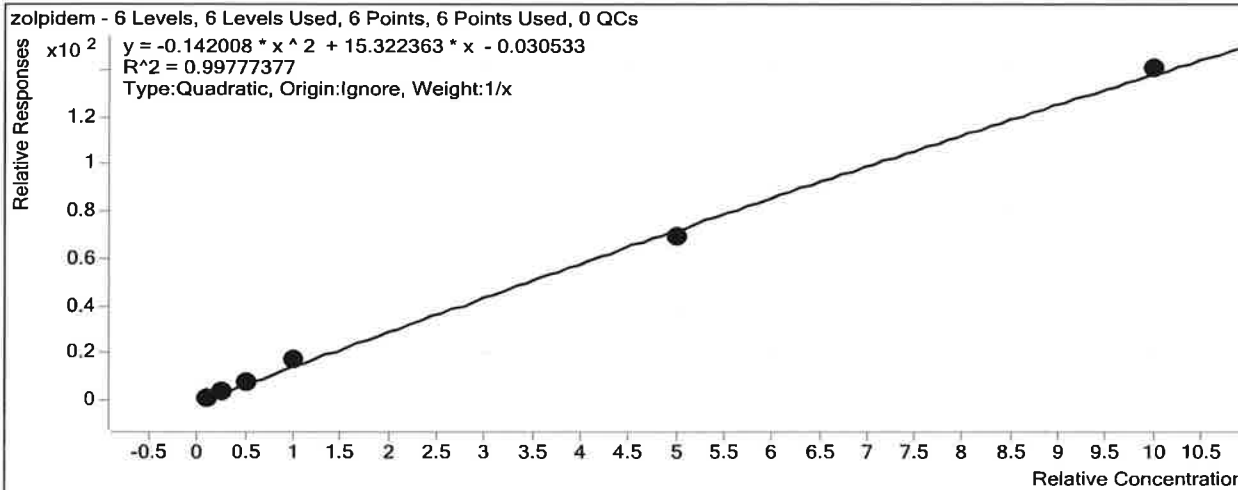# Calibration Curve Report

Batch Data Path   C:\MassHunter\Data\2017\Combined\102417 TS\QuantResults\102417 TS BENZ.batch.bin

Last Calib Update   10/25/2017 8:40 AM   **Analyst Name**   ISP TOX

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

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

$y = -0.142008 * x \wedge 2 + 15.322363 * x - 0.030533$
$R\wedge2 = 0.99777377$
Type:Quadratic, Origin:Ignore, Weight:1/x

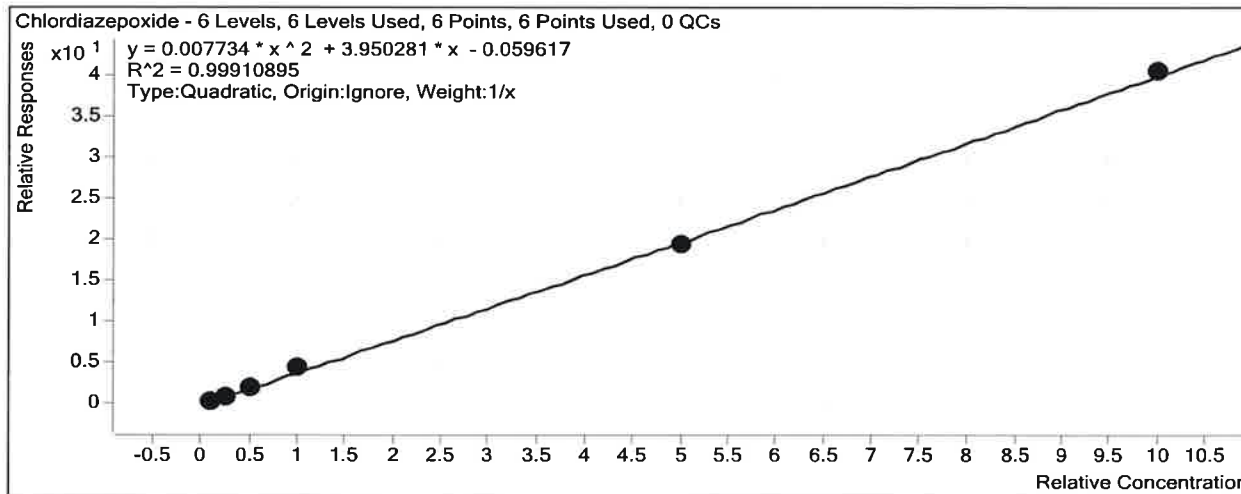| Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ngmL	2	☑	10	8.9	89.2
25 ngmL	3	☑	25	24.6	98.3
50 ngmL	4	☑	50	51.9	103.8
100 ngmL	5	☑	100	112.5	112.5
500 ngmL	6	☑	500	475.1	95.0
1000 ngmL	7	☑	1000	1012.3	101.2

ISP Forensics
Calibration Curve Report

Batch Data Path   C:\MassHunter\Data\2017\Combined\102417 TS\QuantResults\102417 TS BENZ.batch.bin

Last Calib Update   10/25/2017 8:40 AM   **Analyst Name**   ISP TOX

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

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

$y = 0.007734 * x ^ 2 + 3.950281 * x - 0.059617$
$R^2 = 0.99910895$
Type:Quadratic, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ngmL	2	☑	10	9.6	95.7
25 ngmL	3	☑	25	24.1	96.4
50 ngmL	4	☑	50	50.6	101.3
100 ngmL	5	☑	100	109.0	109.0
500 ngmL	6	☑	500	485.4	97.1
1000 ngmL	7	☑	1000	1006.3	100.6

ISP Forensics
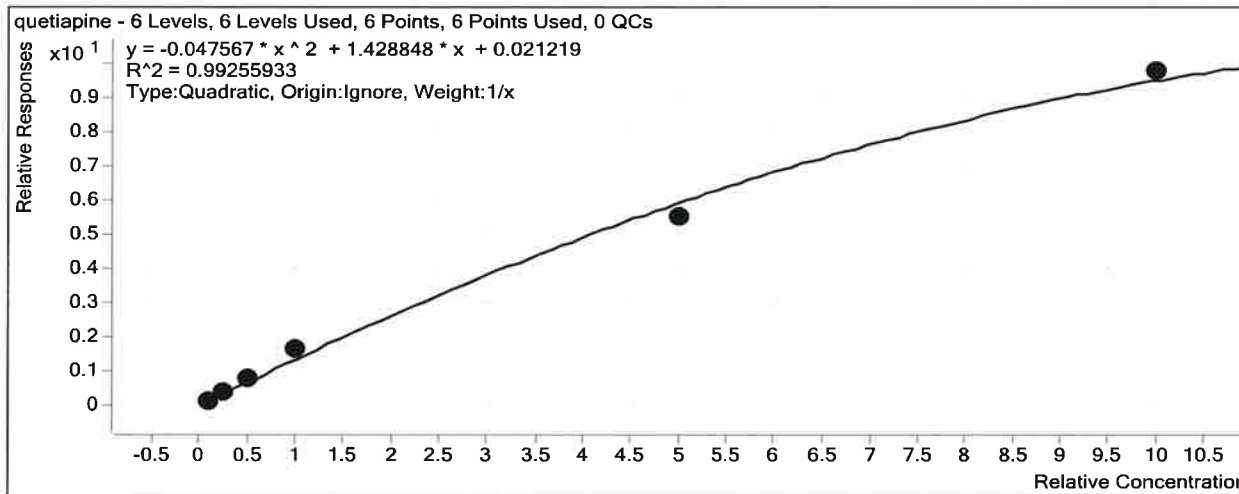# Calibration Curve Report

Batch Data Path   C:\MassHunter\Data\2017\Combined\102417 TS\QuantResults\102417 TS BENZ.batch.bin

Last Calib Update   10/25/2017 8:40 AM   **Analyst Name**   ISP TOX

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

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

$y = -0.047567 * x ^ 2 + 1.428848 * x + 0.021219$
$R^2 = 0.99255933$
Type:Quadratic, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ngmL	2	☑	10	8.2	81.8
25 ngmL	3	☑	25	24.4	97.5
50 ngmL	4	☑	50	54.9	109.8
100 ngmL	5	☑	100	117.7	117.7
500 ngmL	6	☑	500	450.7	90.1
1000 ngmL	7	☑	1000	1047.1	104.7

ISP Forensics
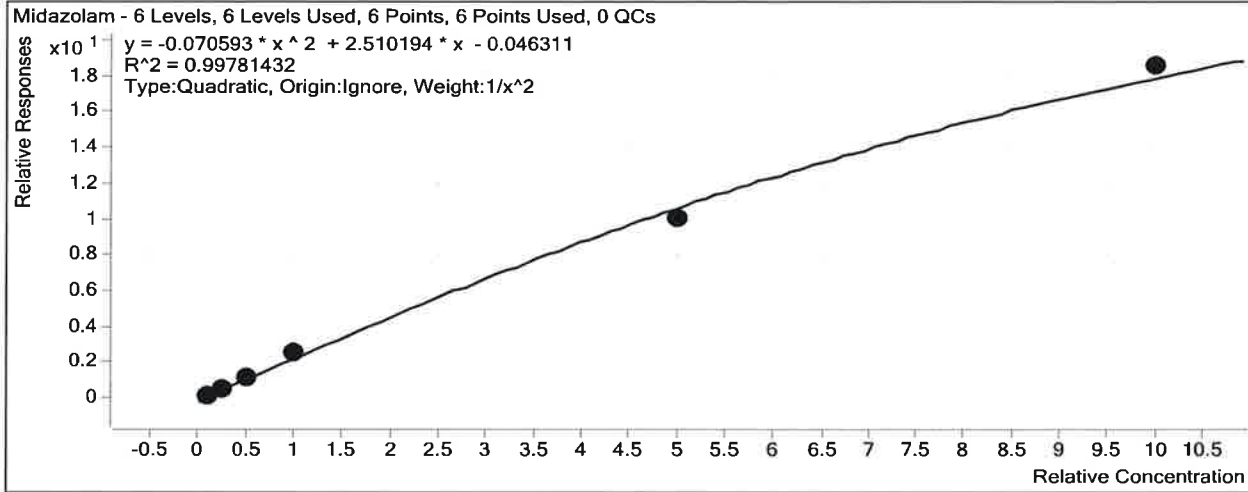# Calibration Curve Report

Batch Data Path   C:\MassHunter\Data\2017\Combined\102417 TS\QuantResults\102417 TS BENZ.batch.bin

Last Calib Update   10/25/2017 8:40 AM   **Analyst Name**   ISP TOX

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

Midazolam - 6 Levels, 6 Levels Used, 6 Points, 6 Points Used, 0 QCs

$y = -0.070593 * x\,^{\wedge}\,2 + 2.510194 * x - 0.046311$
$R^2 = 0.99781432$
Type:Quadratic, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ngmL	2	☑	10	10.1	100.5
25 ngmL	3	☑	25	24.4	97.6
50 ngmL	4	☑	50	50.2	100.3
100 ngmL	5	☑	100	104.9	104.9
500 ngmL	6	☑	500	463.8	92.8
1000 ngmL	7	☑	1000	1052.4	105.2

ISP Forensics
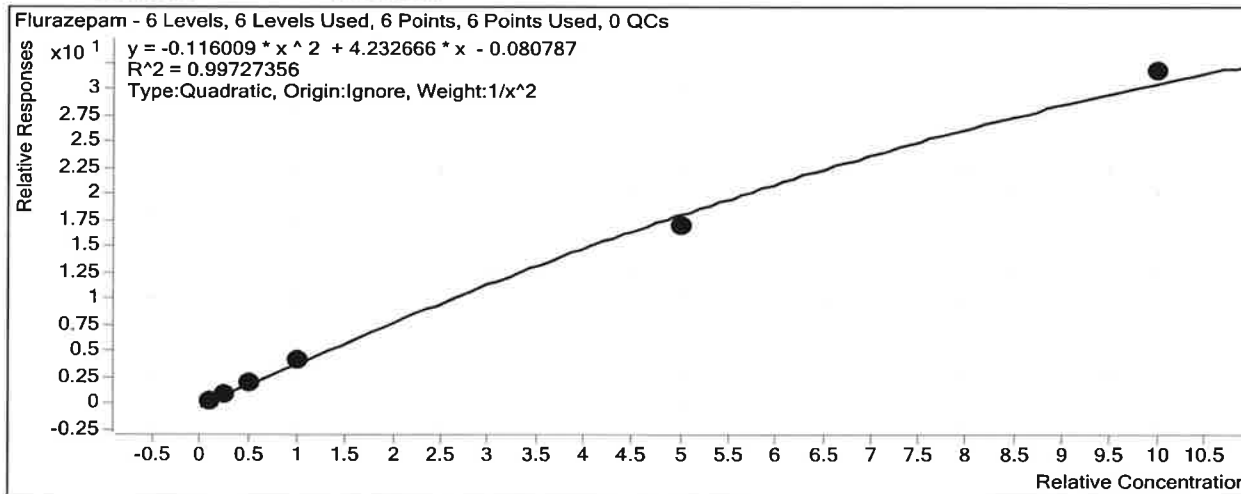# Calibration Curve Report

Batch Data Path   C:\MassHunter\Data\2017\Combined\102417 TS\QuantResults\102417 TS BENZ.batch.bin

Last Calib Update   10/25/2017 8:40 AM   **Analyst Name**   ISP TOX

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

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

$y = -0.116009 * x \wedge 2 + 4.232666 * x - 0.080787$
$R\wedge 2 = 0.99727356$
Type:Quadratic, Origin:Ignore, Weight:1/x^2

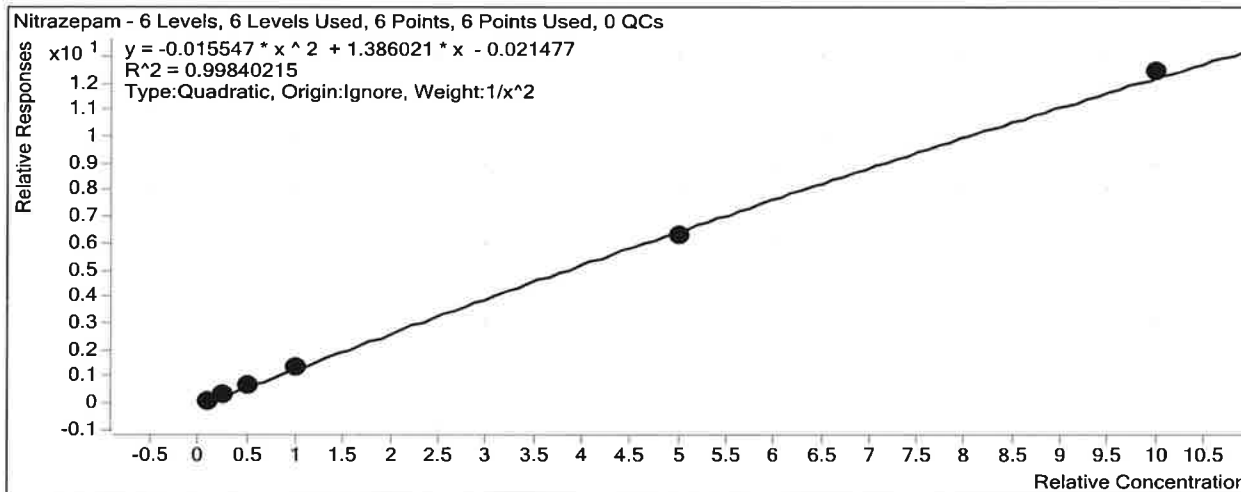| Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ngmL	2	☑	10	10.1	100.7
25 ngmL	3	☑	25	24.2	96.6
50 ngmL	4	☑	50	50.5	101.0
100 ngmL	5	☑	100	105.2	105.2
500 ngmL	6	☑	500	461.4	92.3
1000 ngmL	7	☑	1000	1054.3	105.4

ISP Forensics
Calibration Curve Report

Batch Data Path   C:\MassHunter\Data\2017\Combined\102417 TS\QuantResults\102417 TS BENZ.batch.bin

Last Calib Update   10/25/2017 8:40 AM   **Analyst Name**   ISP TOX

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

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

y = -0.015547 * x ^ 2 + 1.386021 * x - 0.021477
R^2 = 0.99840215
Type:Quadratic, Origin:Ignore, Weight:1/x^2

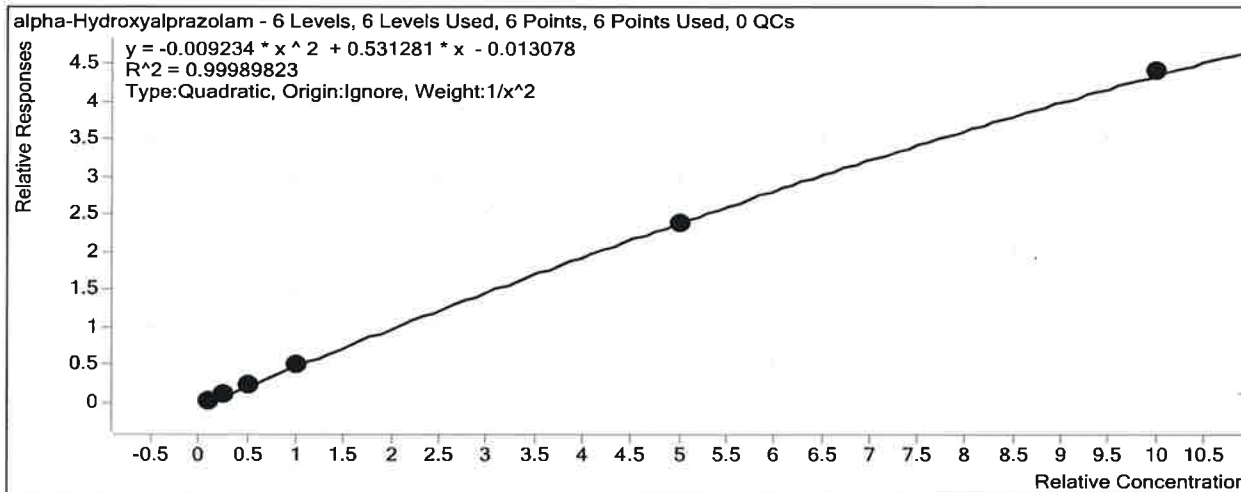| Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ngmL	2	☑	10	10.1	101.2
25 ngmL	3	☑	25	23.9	95.6
50 ngmL	4	☑	50	50.4	100.9
100 ngmL	5	☑	100	104.4	104.4
500 ngmL	6	☑	500	482.6	96.5
1000 ngmL	7	☑	1000	1015.2	101.5

ISP Forensics
Calibration Curve Report

Batch Data Path   C:\MassHunter\Data\2017\Combined\102417 TS\QuantResults\102417 TS BENZ.batch.bin

Last Calib Update   10/25/2017 8:40 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

$y = -0.009234 * x \char`^ 2 + 0.531281 * x - 0.013078$
$R\char`^2 = 0.99989823$
Type:Quadratic, Origin:Ignore, Weight:$1/x\char`^2$

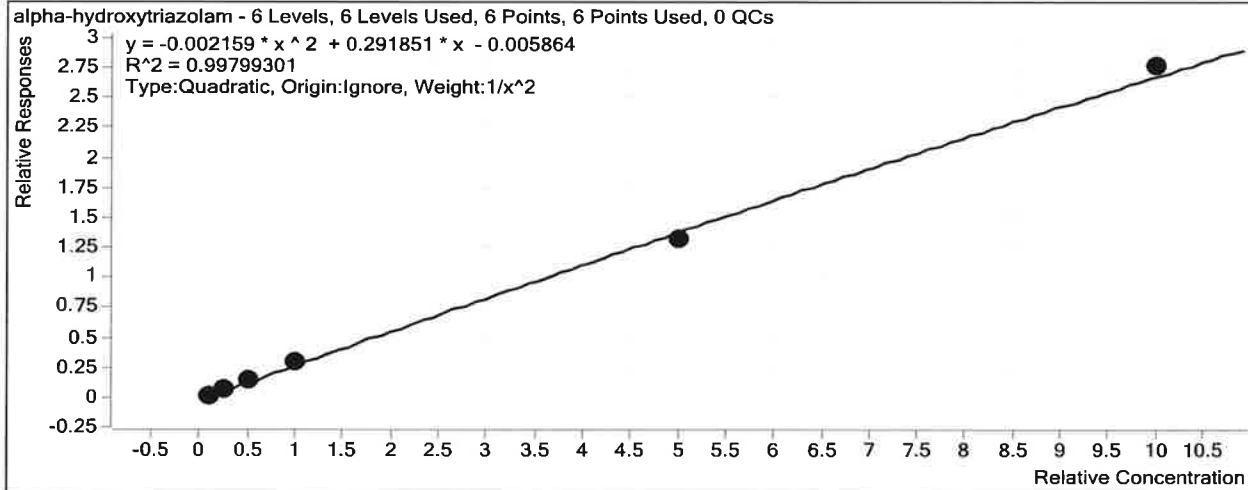| Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ngmL	2	☑	10	10.0	100.0
25 ngmL	3	☑	25	24.9	99.8
50 ngmL	4	☑	50	50.0	99.9
100 ngmL	5	☑	100	101.1	101.1
500 ngmL	6	☑	500	492.2	98.4
1000 ngmL	7	☑	1000	1008.5	100.9

ISP Forensics
Calibration Curve Report

Batch Data Path   C:\MassHunter\Data\2017\Combined\102417 TS\QuantResults\102417 TS BENZ.batch.bin

Last Calib Update   10/25/2017 8:40 AM   **Analyst Name**   ISP TOX

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

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

$y = -0.002159 * x \wedge 2 + 0.291851 * x - 0.005864$
$R\wedge2 = 0.99799301$
Type:Quadratic, Origin:Ignore, Weight:1/x^2

(Y-axis: Relative Responses, range -0.25 to 3; X-axis: Relative Concentration, range -0.5 to 10.5)

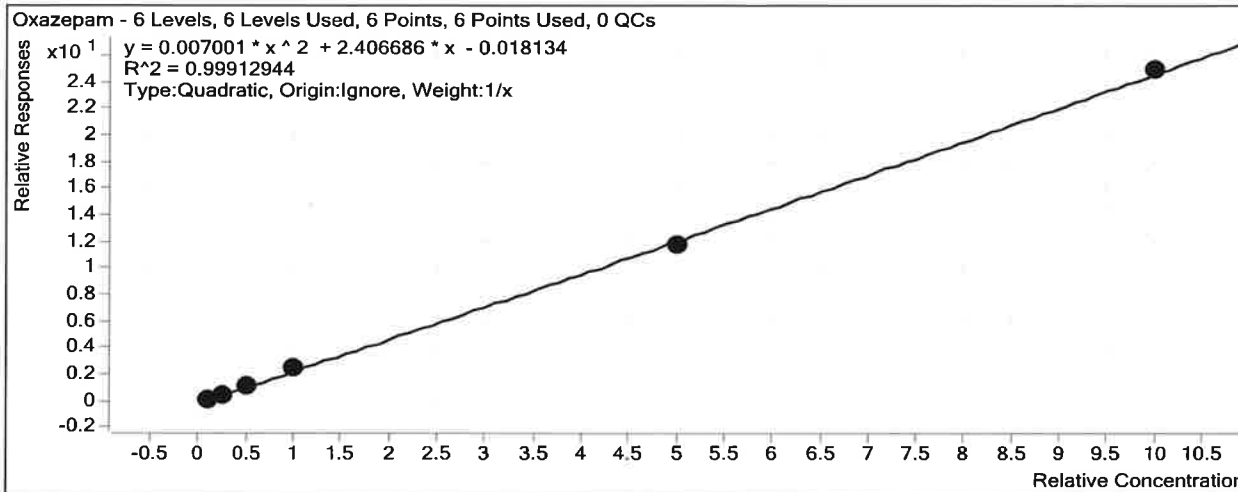| Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ngmL	2	☑	10	10.1	100.6
25 ngmL	3	☑	25	24.1	96.3
50 ngmL	4	☑	50	51.6	103.3
100 ngmL	5	☑	100	102.9	102.9
500 ngmL	6	☑	500	471.1	94.2
1000 ngmL	7	☑	1000	1027.3	102.7

ISP Forensics
Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2017\Combined\102417 TS\QuantResults\102417 TS BENZ.batch.bin

Last Calib Update 10/25/2017 8:40 AM   **Analyst Name**   ISP TOX

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

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

$y = 0.007001 * x \char`\^ 2 + 2.406686 * x - 0.018134$
$R\char`\^2 = 0.99912944$
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	24.1	96.3
50 ngmL	4	☑	50	51.2	102.4
100 ngmL	5	☑	100	108.7	108.7
500 ngmL	6	☑	500	485.3	97.1
1000 ngmL	7	☑	1000	1006.3	100.6

ISP Forensics
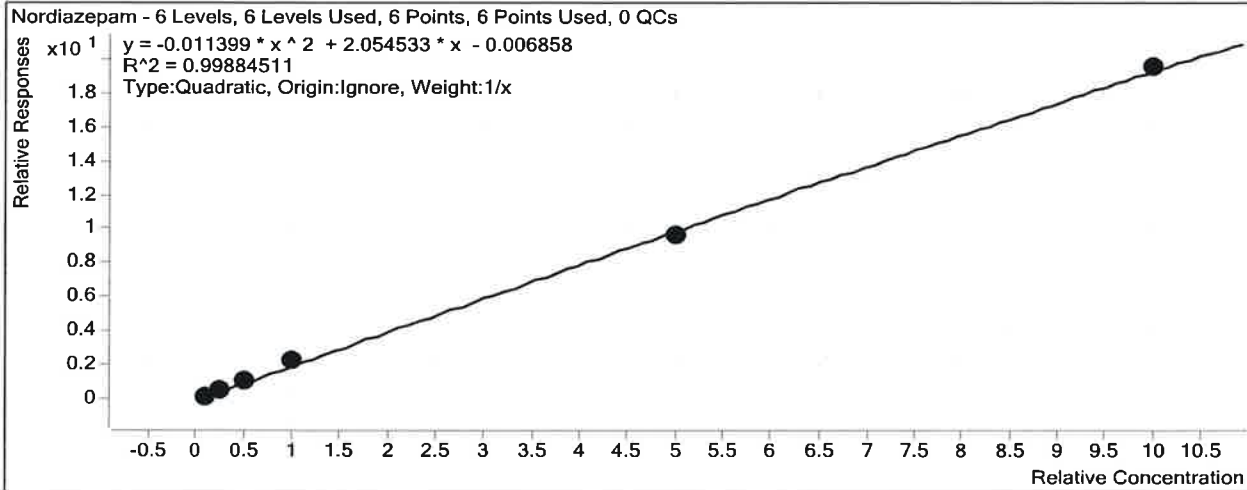# Calibration Curve Report

Batch Data Path   C:\MassHunter\Data\2017\Combined\102417 TS\QuantResults\102417 TS BENZ.batch.bin

Last Calib Update   10/25/2017 8:40 AM   **Analyst Name**   ISP TOX

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

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

$y = -0.011399 * x \wedge 2 + 2.054533 * x - 0.006858$
$R\wedge 2 = 0.99884511$
Type:Quadratic, Origin:Ignore, Weight:1/x

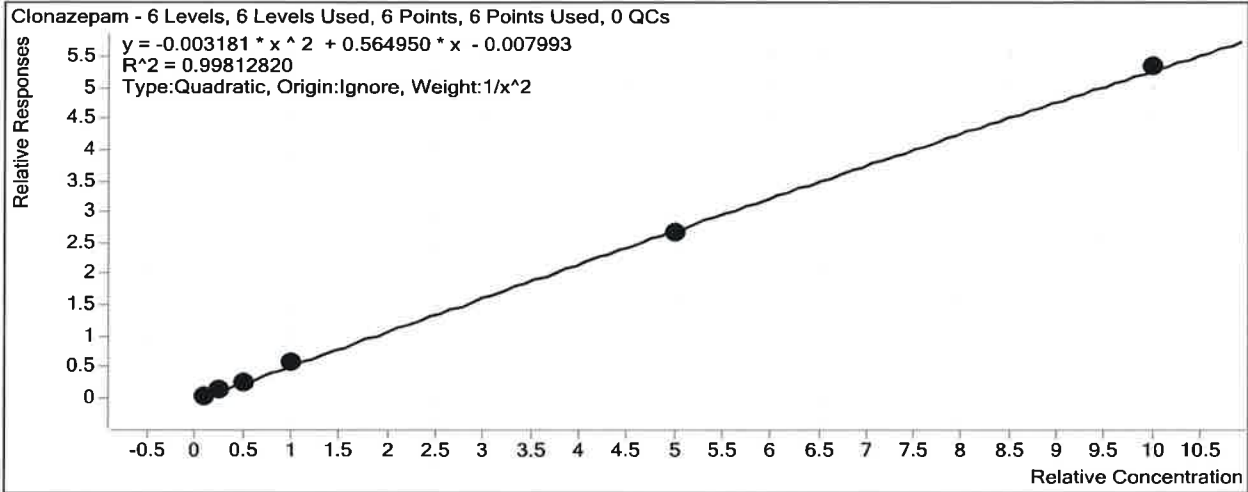| Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ngmL	2	☑	10	9.6	95.9
25 ngmL	3	☑	25	23.9	95.8
50 ngmL	4	☑	50	50.5	100.9
100 ngmL	5	☑	100	109.9	109.9
500 ngmL	6	☑	500	483.5	96.7
1000 ngmL	7	☑	1000	1007.7	100.8

ISP Forensics
Calibration Curve Report

Batch Data Path   C:\MassHunter\Data\2017\Combined\102417 TS\QuantResults\102417 TS BENZ.batch.bin

Last Calib Update   10/25/2017 8:40 AM   **Analyst Name**   ISP TOX

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

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

$y = -0.003181 * x ^ 2 + 0.564950 * x - 0.007993$
$R^2 = 0.99812820$
Type:Quadratic, Origin:Ignore, Weight:1/x^2

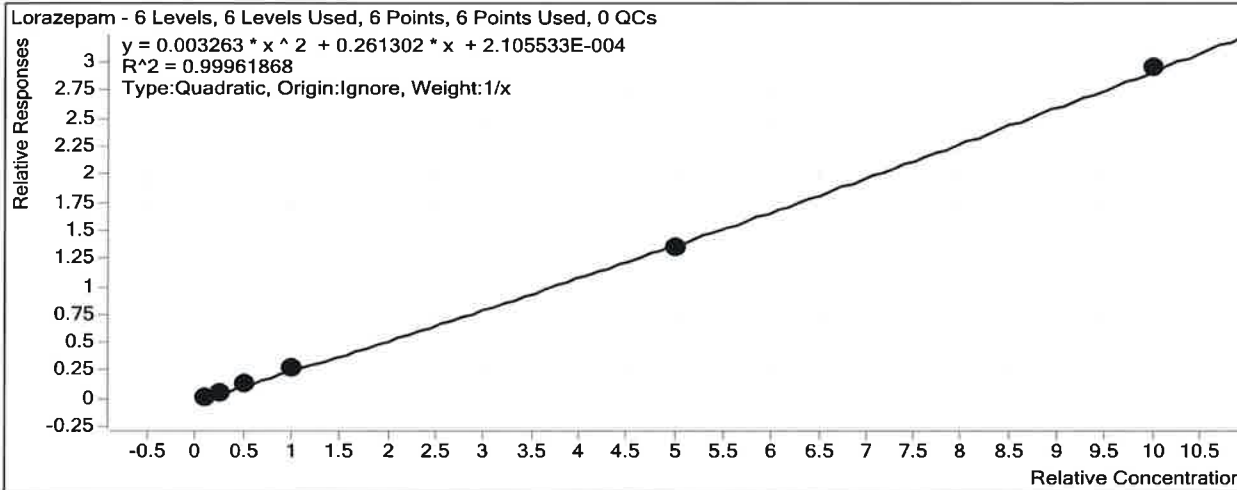| Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ngmL	2	☑	10	10.1	101.5
25 ngmL	3	☑	25	24.0	96.0
50 ngmL	4	☑	50	48.8	97.6
100 ngmL	5	☑	100	106.1	106.1
500 ngmL	6	☑	500	491.5	98.3
1000 ngmL	7	☑	1000	1004.5	100.5

ISP Forensics
Calibration Curve Report

Batch Data Path   C:\MassHunter\Data\2017\Combined\102417 TS\QuantResults\102417 TS BENZ.batch.bin

Last Calib Update   10/25/2017 8:40 AM   **Analyst Name**   ISP TOX

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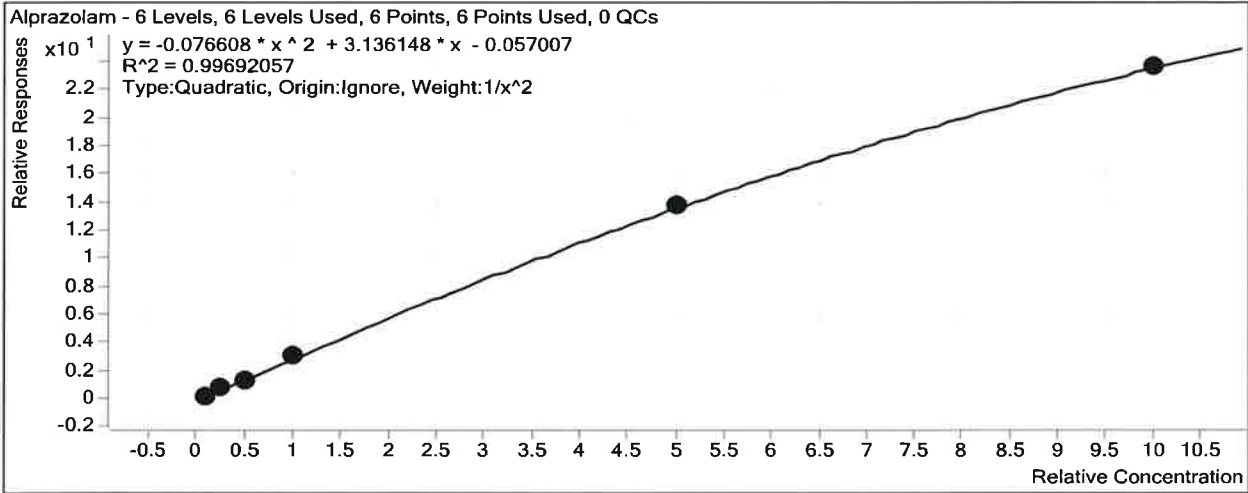*Internal Standard*   *Nordiazepam-D5 ISTD*

Lorazepam - 6 Levels, 6 Levels Used, 6 Points, 6 Points Used, 0 QCs
y = 0.003263 * x ^ 2 + 0.261302 * x + 2.105533E-004
R^2 = 0.99961868
Type:Quadratic, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ngmL	2	☑	10	9.5	94.7
25 ngmL	3	☑	25	25.2	100.7
50 ngmL	4	☑	50	50.0	99.9
100 ngmL	5	☑	100	106.2	106.2
500 ngmL	6	☑	500	490.5	98.1
1000 ngmL	7	☑	1000	1003.8	100.4

ISP Forensics
Calibration Curve Report

Batch Data Path   C:\MassHunter\Data\2017\Combined\102417 TS\QuantResults\102417 TS BENZ.batch.bin

Last Calib Update   10/25/2017 8:40 AM   **Analyst Name**   ISP TOX

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

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

$y = -0.076608 * x \char`^ 2 + 3.136148 * x - 0.057007$
$R\char`^2 = 0.99692057$
Type:Quadratic, Origin:Ignore, Weight:1/x^2

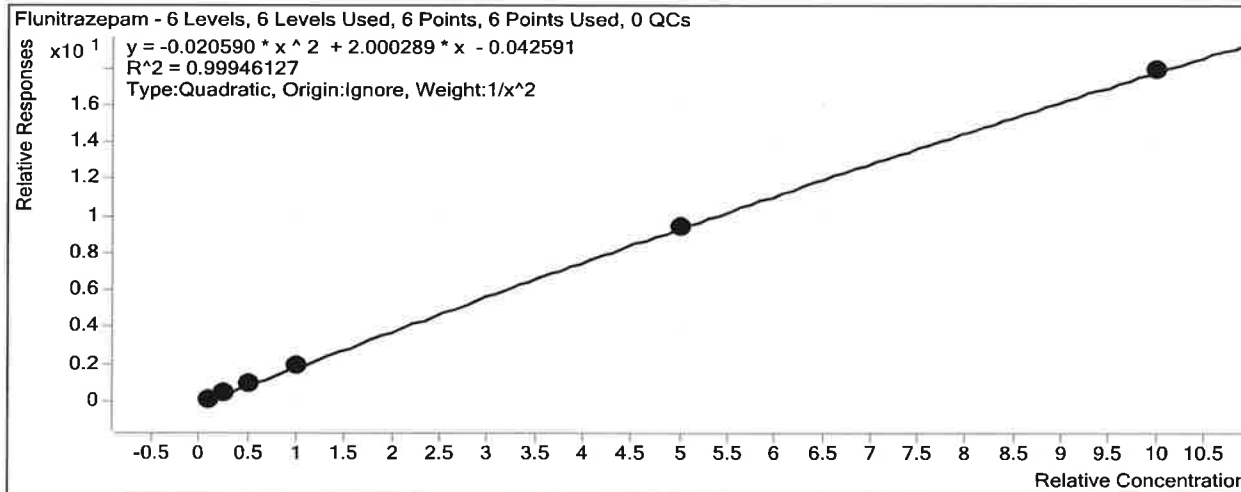| Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ngmL	2	☑	10	9.8	98.4
25 ngmL	3	☑	25	26.7	106.9
50 ngmL	4	☑	50	46.8	93.7
100 ngmL	5	☑	100	100.7	100.7
500 ngmL	6	☑	500	502.3	100.5
1000 ngmL	7	☑	1000	998.3	99.8

ISP Forensics
Calibration Curve Report

Batch Data Path   C:\MassHunter\Data\2017\Combined\102417 TS\QuantResults\102417 TS BENZ.batch.bin

Last Calib Update   10/25/2017 8:40 AM   **Analyst Name**   ISP TOX

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

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

$y = -0.020590 * x \wedge 2 + 2.000289 * x - 0.042591$
$R^\wedge 2 = 0.99946127$
Type:Quadratic, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ngmL	2	☑	10	10.1	101.0
25 ngmL	3	☑	25	24.2	96.8
50 ngmL	4	☑	50	50.0	100.1
100 ngmL	5	☑	100	102.5	102.5
500 ngmL	6	☑	500	498.1	99.6
1000 ngmL	7	☑	1000	999.9	100.0

ISP Forensics
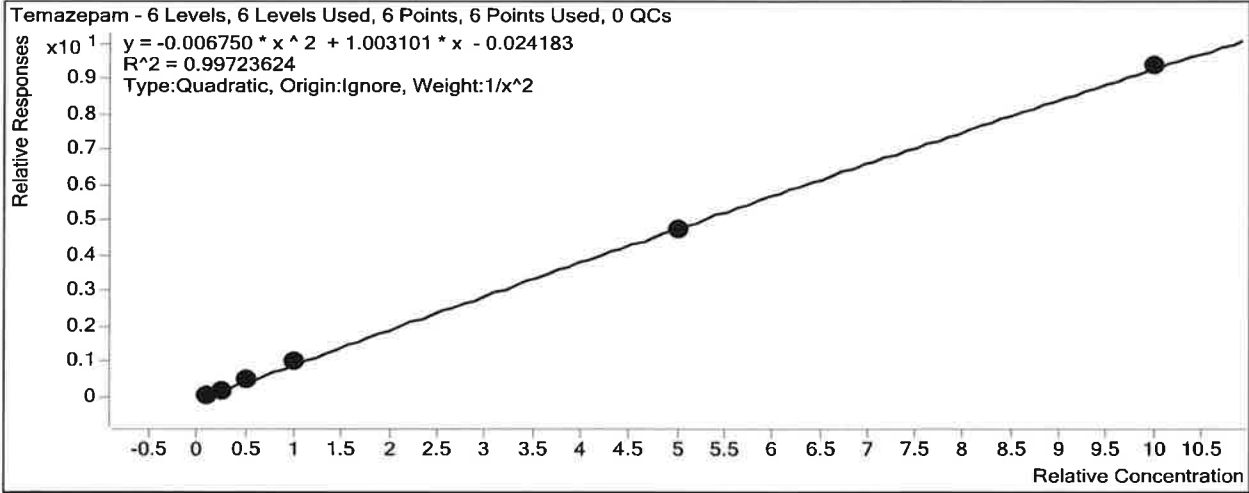# Calibration Curve Report

Batch Data Path   C:\MassHunter\Data\2017\Combined\102417 TS\QuantResults\102417 TS BENZ.batch.bin

Last Calib Update   10/25/2017 8:40 AM   **Analyst Name**   ISP TOX

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

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

$y = -0.006750 * x^2 + 1.003101 * x - 0.024183$
$R^2 = 0.99723624$
Type:Quadratic, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ngmL	2	☑	10	10.2	102.2
25 ngmL	3	☑	25	23.0	92.1
50 ngmL	4	☑	50	51.3	102.5
100 ngmL	5	☑	100	104.2	104.2
500 ngmL	6	☑	500	492.6	98.5
1000 ngmL	7	☑	1000	1003.8	100.4

ISP Forensics
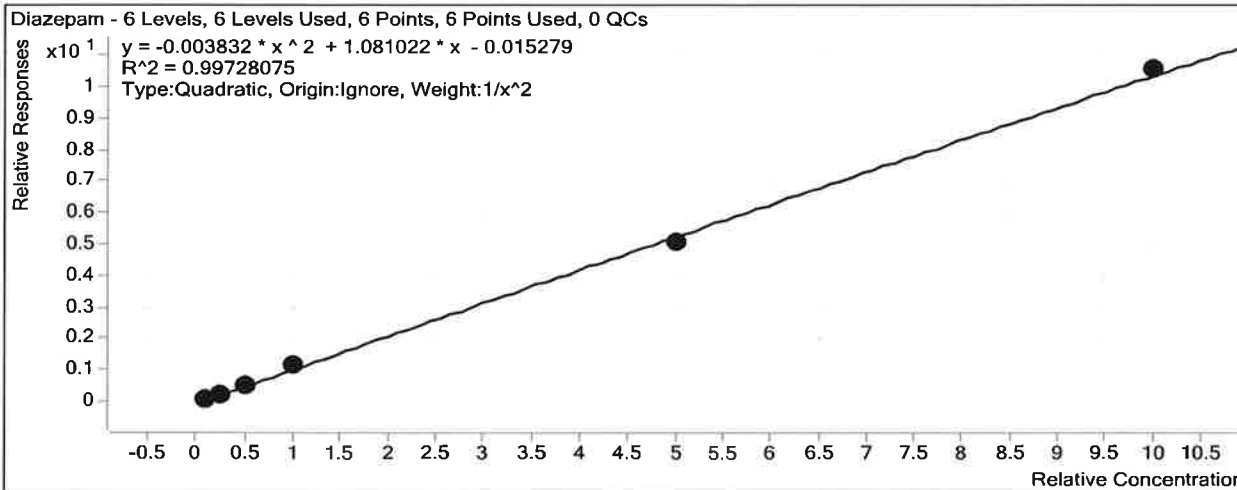# Calibration Curve Report

Batch Data Path   C:\MassHunter\Data\2017\Combined\102417 TS\QuantResults\102417 TS BENZ.batch.bin

Last Calib Update   10/25/2017 8:40 AM   **Analyst Name**   ISP TOX

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

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

$y = -0.003832 * x ^ 2 + 1.081022 * x - 0.015279$
$R^2 = 0.99728075$
Type:Quadratic, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ngmL	2	☑	10	10.2	101.8
25 ngmL	3	☑	25	23.5	94.0
50 ngmL	4	☑	50	50.1	100.2
100 ngmL	5	☑	100	106.3	106.3
500 ngmL	6	☑	500	481.4	96.3
1000 ngmL	7	☑	1000	1013.8	101.4

ISP FORENSICS
Pocatello
Benzodiazepine Analysis Report

Batch Data Path	C:\MassHunter\Data\2017\Combined\102417 TS\QuantResults\102417 TS BENZ.batch.bin		
Analysis Time	10/25/2017 8:40 AM	**Analyst Name**	ISPUser
Report Time	10/25/2017 8:43 AM	**Reporter Name**	ISPUser
Last Calib Update	10/25/2017 8:40 AM	**Batch State**	Processed

Analysis Info

|			
Acq Time	2017-10-24 18:40	**Data File**	BZ-NC-B_r001.d
Sample Type	Sample	**Sample Name**	Negative Blood Control
Dilution	1	**Acq Method**	Benzos_Z_Drugs_ACN_FA_ISP_2017.m
Position	P1-A8	**Sample Info**	UTAK Negative Whole Blood LOT B1013
Inj Vol	-1	**Comment**	AM 6.1.1 Benzo and Z by LCQQQ
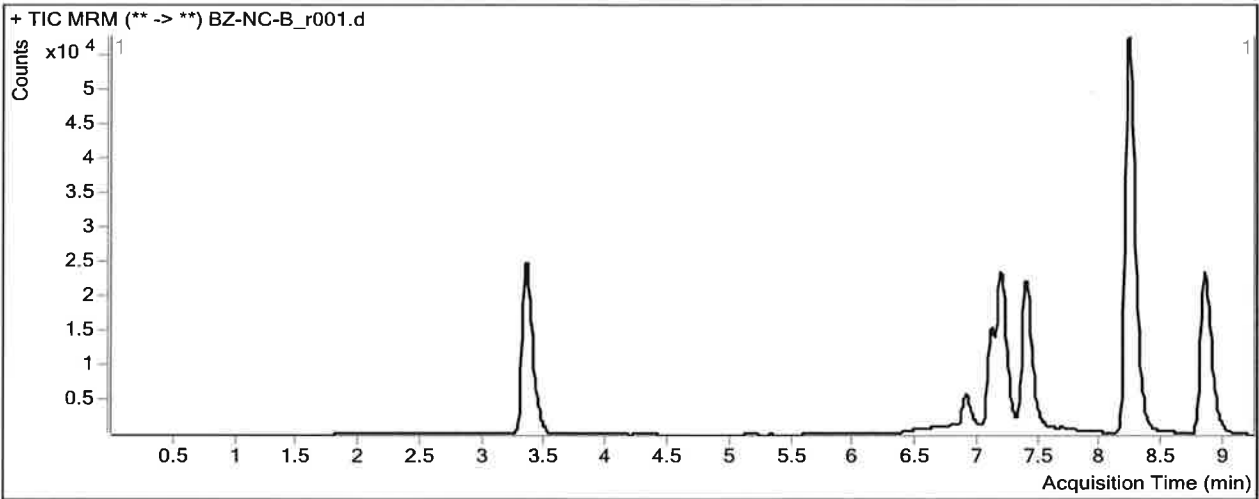
Sample Chromatogram

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

ISP FORENSICS
Pocatello
Benzodiazepine Analysis Report

Batch Data Path	C:\MassHunter\Data\2017\Combined\102417 TS\QuantResults\102417 TS BENZ.batch.bin		
Analysis Time	10/25/2017 8:40 AM	**Analyst Name**	ISPUser
Report Time	10/25/2017 8:43 AM	**Reporter Name**	ISPUser
Last Calib Update	10/25/2017 8:40 AM	**Batch State**	Processed

Analysis Info

Acq Time	2017-10-24 18:55	**Data File**	BZ-PC-B-r001.d
Sample Type	Sample	**Sample Name**	Positive Blood Control
Dilution	1	**Acq Method**	Benzos_Z_Drugs_ACN_FA_ISP_2017.m
Position	P1-A9	**Sample Info**	Benzodiazepines Mix Cerilliant lot FE012413-02 in UTAK LOT B1013
Inj Vol	-1	**Comment**	AM 6.1.1 Benzo and Z by LCQQQ

Sample Chromatogram

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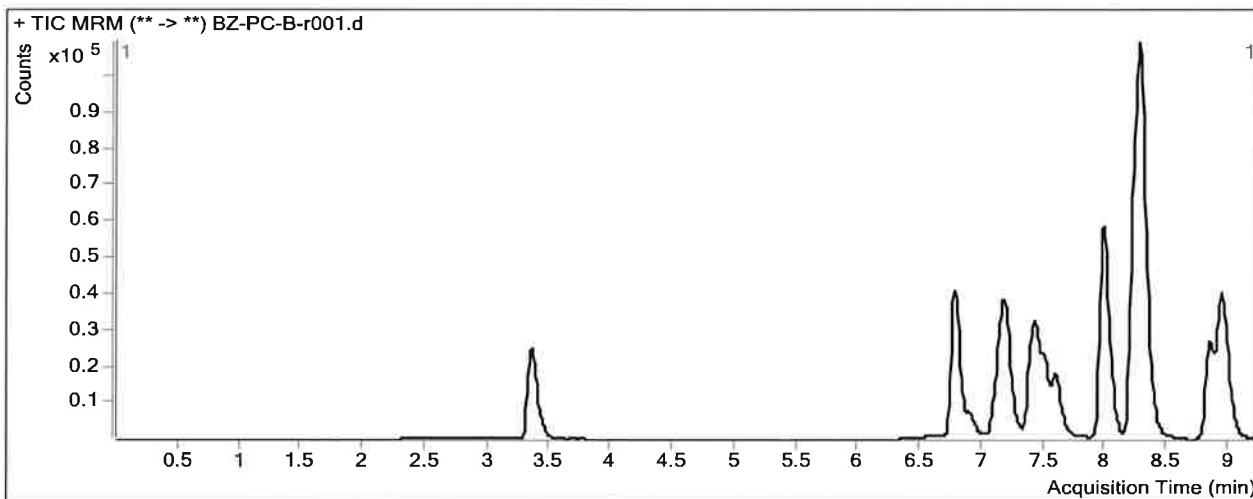
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Nitrazepam	Clonazepam-D4 ISTD	6.773	129724	77411	1.6758	124.1848
Oxazepam	Nordiazepam-D5 ISTD	7.151	75912	46218	1.6425	68.8615
Clonazepam	Clonazepam-D4 ISTD	7.426	53622	77411	0.6927	124.9032
Lorazepam	Nordiazepam-D5 ISTD	7.492	10218	46218	0.2211	83.6561
Alprazolam	alphahydroxyalprazolam-D5 ISTD	7.588	63049	15622	4.0359	134.9564
Flunitrazepam	Clonazepam-D4 ISTD	7.969	217868	77411	2.8144	144.9938
Temazepam	Temazepam-D5 ISTD	8.273	342084	277373	1.2333	126.4351
Diazepam	Diazepam-D5 ISTD	8.933	145926	92274	1.5814	148.4867