

9/2/2016

central data reviewed by B. Wylie on 9/6/16

*B. Wylie*

**Worklist: 1263**

<u>LAB_CASE</u>	<u>ITEM</u>	<u>TASK_ID</u>	<u>DESCRIPTION</u>
C2016-1059	1	64010	6.1.1 Blood LCMS-QQQ Benzoc
C2016-1109	1	64011	6.1.1 Blood LCMS-QQQ Benzoc
C2016-1169	2	64013	6.1.1 Blood LCMS-QQQ Benzoc
P2016-1689	1	64020	6.1.1 Blood LCMS-QQQ Benzoc



# Worklist Report

Worklist Path:	C:\MassHunter\ISP Methods\worklists\CS Combined 083116.wkl
Date Modified:	08/31/2016 10:43:27 AM
Date Printed:	08/31/2016 10:43:55 AM

## 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\2016\Combined\072216 CS
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	
P2	

## Worklist Table

Sample Position	Sample Name	Method	Data File	Sample Type	Level Name	Comment	Info.
P2-A1	Blank	isp blood cannabinoids Poky 2016-1.m	Blank1-r001.d	Blank		AM 6.1.2 Cannabinoids by LCQQQ	
P2-A1	Blank	isp blood cannabinoids Poky 2016-1.m	Blank2-r001.d	Blank		AM 6.1.2 Cannabinoids by LCQQQ	
P2-A2	Blood: 1_5 ng/mL	isp blood cannabinoids Poky 2016-1.m	B_CAL1-r001.d	Calibration	1	AM 6.1.2 Cannabinoids by LCQQQ	c-THC @5ng/mL, all others @1 ng/mL
P2-A3	Blood: 2_10 ng/mL	isp blood cannabinoids Poky 2016-1.m	B_CAL2_r001.d	Calibration	2	AM 6.1.2 Cannabinoids by LCQQQ	c-THC @10ng/mL, all others @2 ng/mL
P2-A4	Blood: 5_25 ng/mL	isp blood cannabinoids Poky 2016-1.m	B_CAL3_r001.d	Calibration	3	AM 6.1.2 Cannabinoids by LCQQQ	c-THC @25ng/mL, all others @5 ng/mL
P2-A5	Blood: 10_50 ng/mL	isp blood cannabinoids Poky 2016-1.m	B_CAL4_r001.d	Calibration	4	AM 6.1.2 Cannabinoids by LCQQQ	c-THC @50ng/mL, all others @10 ng/mL
P2-A6		isp blood cannabinoids Poky 2016-1.m	B_CAL5_r001.d	Calibration	5		c-THC @125ng/mL, all

Sample Position	Sample Name	Method	Data File	Sample Type	Level Name	Comment	Info. ☺
	Blood: 25_125 ngmL					AM 6.1.2 Cannabinoids by LCQQQ	others @25 ng/mL
P2-A7	Blood: 50_250 ngmL	isp blood cannabinoids Poky 2016-1.m	B_CAL6_r001.d	Calibration	6	AM 6.1.2 Cannabinoids by LCQQQ	c-THC @250ng/mL, all others @50 ng/mL
P2-A8	Blood: 100_500 ngmL	isp blood cannabinoids Poky 2016-1.m	B_CAL7_r001.d	Calibration	7	AM 6.1.2 Cannabinoids by LCQQQ	c-THC @500ng/mL, all others @100 ng/mL
P2-A1	Blank	isp blood cannabinoids Poky 2016-1.m	Carryover blank1_r001.d	Blank		AM 6.1.2 Cannabinoids by LCQQQ	
P2-A9	Blood Negative Control	isp blood cannabinoids Poky 2016-1.m	B-NC-r001.d	Sample		AM 6.1.2 Cannabinoids by LCQQQ	Negative Blood UTAK Lot B1013
P2-B1	Blood PC 1	isp blood cannabinoids Poky 2016-1.m	B-POS Ctrl 1-r001.d	Sample		AM 6.1.2 Cannabinoids by LCQQQ	Positive Control-UTAK B1013 + WS060716
P2-A1	Blank	isp blood cannabinoids Poky 2016-1.m	Carryover blank2_r001.d	Blank		AM 6.1.2 Cannabinoids by LCQQQ	
P2-A9	Blank C2016-0299-1	isp blood cannabinoids Poky 2016-1.m	C2016-0299-1_BLK_r001.d	Blank		AM 6.1.2 Cannabinoids by LCQQQ	
P2-B2	C2016-0299-1	isp blood cannabinoids Poky 2016-1.m	C2016-0299-1-r001.d	Sample		AM 6.1.2 Cannabinoids by LCQQQ	Blood
P2-A9	Blank C2016-0527-2	isp blood cannabinoids Poky 2016-1.m	C2016-0527-2_BLK_r001.d	Blank		AM 6.1.2 Cannabinoids by LCQQQ	
P2-B3	C2016-0527-2	isp blood cannabinoids Poky 2016-1.m	C2016-0527-2-r001.d	Sample		AM 6.1.2 Cannabinoids by LCQQQ	Blood
P2-A9	Blank C2016-1014-1	isp blood cannabinoids Poky 2016-1.m	C2016-1014-1_BLK_r001.d	Blank		AM 6.1.2 Cannabinoids by LCQQQ	
P2-B4	C2016-1014-1	isp blood cannabinoids Poky 2016-1.m	C2016-1014-1-r001.d	Sample		AM 6.1.2 Cannabinoids by LCQQQ	Blood
P2-A9	Blank C2016-1109-1	isp blood cannabinoids Poky 2016-1.m	C2016-1109-1_BLK_r001.d	Blank		AM 6.1.2 Cannabinoids by LCQQQ	
P2-B5	C2016-1109-1	isp blood cannabinoids Poky 2016-1.m	C2016-1109-1-r001.d	Sample		AM 6.1.2 Cannabinoids by LCQQQ	Blood
P2-A9	Blank C2016-1169-2	isp blood cannabinoids Poky 2016-1.m	C2016-1169-2_BLK_r001.d	Blank		AM 6.1.2 Cannabinoids by LCQQQ	
P2-B6	C2016-1169-2	isp blood cannabinoids Poky 2016-1.m	C2016-1169-2-r001.d	Sample		AM 6.1.2 Cannabinoids by LCQQQ	Blood
P2-A1	Blank	isp blood cannabinoids Poky 2016-1.m	cann-Carryover blank3_r001.d	Blank		AM 6.1.2 Cannabinoids by LCQQQ	
P2-C3	Blood PC 2	isp blood cannabinoids Poky 2016-1.m	B-POS Ctrl 2-r001.d	Sample		AM 6.1.2 Cannabinoids by LCQQQ	Positive Control-UTAK B1013 + WS060716
P2-A1	Blank	isp blood cannabinoids Poky 2016-1.m	Carryover blank4_r001.d	Blank		AM 6.1.2 Cannabinoids by LCQQQ	

Sample Position	Sample Name	Method	Data File	Sample Type	Level Name	Comment	Info. ๘
P2-A9	Blank C2016-1170-2	isp blood cannabinoids Poky 2016-1.m	C2016-1170-2_BLK_r001.d	Blank		AM 6.1.2 Cannabinoids by LCQQQ	
P2-B7	C2016-1170-2	isp blood cannabinoids Poky 2016-1.m	C2016-1170-2-r001.d	Sample		AM 6.1.2 Cannabinoids by LCQQQ	Blood
P2-A9	Blank C2016-1321-1	isp blood cannabinoids Poky 2016-1.m	C2016-1321-1_BLK_r001.d	Blank		AM 6.1.2 Cannabinoids by LCQQQ	
P2-B8	C2016-1321-1	isp blood cannabinoids Poky 2016-1.m	C2016-1321-1-r001.d	Sample		AM 6.1.2 Cannabinoids by LCQQQ	Blood
P2-A9	Blank M2016-2853-3	isp blood cannabinoids Poky 2016-1.m	M2016-2853-3_BLK_r001.d	Blank		AM 6.1.2 Cannabinoids by LCQQQ	
P2-B9	M2016-2853-3	isp blood cannabinoids Poky 2016-1.m	M2016-2853-3-r001.d	Sample		AM 6.1.2 Cannabinoids by LCQQQ	Blood
P2-A9	Blank P2016-0763-1	isp blood cannabinoids Poky 2016-1.m	P2016-0763-1_BLK_r001.d	Blank		AM 6.1.2 Cannabinoids by LCQQQ	
P2-C1	P2016-0763-1	isp blood cannabinoids Poky 2016-1.m	P2016-0763-1-r001.d	Sample		AM 6.1.2 Cannabinoids by LCQQQ	Blood
P2-A1	Blank	isp blood cannabinoids Poky 2016-1.m	Blank3-r001.d	Blank		AM 6.1.2 Cannabinoids by LCQQQ	Blood
P1-F9	Blank	Benzos_Z_Drugs_ACN_FA_ISP_2016.m	BZ-Blank1-r001.d	Blank		AM 6.1.1 Benzo and Z by LCQQQ	Blood
P1-F9	Blank	Benzos_Z_Drugs_ACN_FA_ISP_2016.m	BZ-Blank2-r001.d	Blank		AM 6.1.1 Benzo and Z by LCQQQ	Blood
P1-F7	10 ngmL	Benzos_Z_Drugs_ACN_FA_ISP_2016.m	BZ-10 ngmL-r001.d	Calibration	2	AM 6.1.1 Benzo and Z by LCQQQ	
P1-F6	25 ngmL	Benzos_Z_Drugs_ACN_FA_ISP_2016.m	BZ-25 ngmL_r001.d	Calibration	3	AM 6.1.1 Benzo and Z by LCQQQ	
P1-F5	50 ngmL	Benzos_Z_Drugs_ACN_FA_ISP_2016.m	BZ-50 ngmL_r001.d	Calibration	4	AM 6.1.1 Benzo and Z by LCQQQ	
P1-F4	100 ngmL	Benzos_Z_Drugs_ACN_FA_ISP_2016.m	BZ-100 ngmL_r001.d	Calibration	5	AM 6.1.1 Benzo and Z by LCQQQ	
P1-F3	500 ngmL	Benzos_Z_Drugs_ACN_FA_ISP_2016.m	BZ-500 ngmL_r001.d	Calibration	6	AM 6.1.1 Benzo and Z by LCQQQ	
P1-F2	1000 ngmL	Benzos_Z_Drugs_ACN_FA_ISP_2016.m	BZ-1000 ngmL_r001.d	Calibration	7	AM 6.1.1 Benzo and Z by LCQQQ	
P1-F1	3000 ngmL	Benzos_Z_Drugs_ACN_FA_ISP_2016.m	BZ-3000 ngmL_r001.d	Calibration	8	AM 6.1.1 Benzo and Z by LCQQQ	
P1-F9	Blank	Benzos_Z_Drugs_ACN_FA_ISP_2016.m	BZ-Carryover blank1_r001.d	Blank		AM 6.1.1 Benzo and Z by LCQQQ	
P1-E9	Negative Blood Control	Benzos_Z_Drugs_ACN_FA_ISP_2016.m	BZ-NC-B_r001.d	Sample		AM 6.1.1 Benzo and Z by LCQQQ	UTAK Negative Whole Blood LOT B1013
P1-E8		Benzos_Z_Drugs_ACN_FA_ISP_2016.m	BZ-PC-B-r001.d	Sample			Benzodiazepines Mix Cerilliant lot

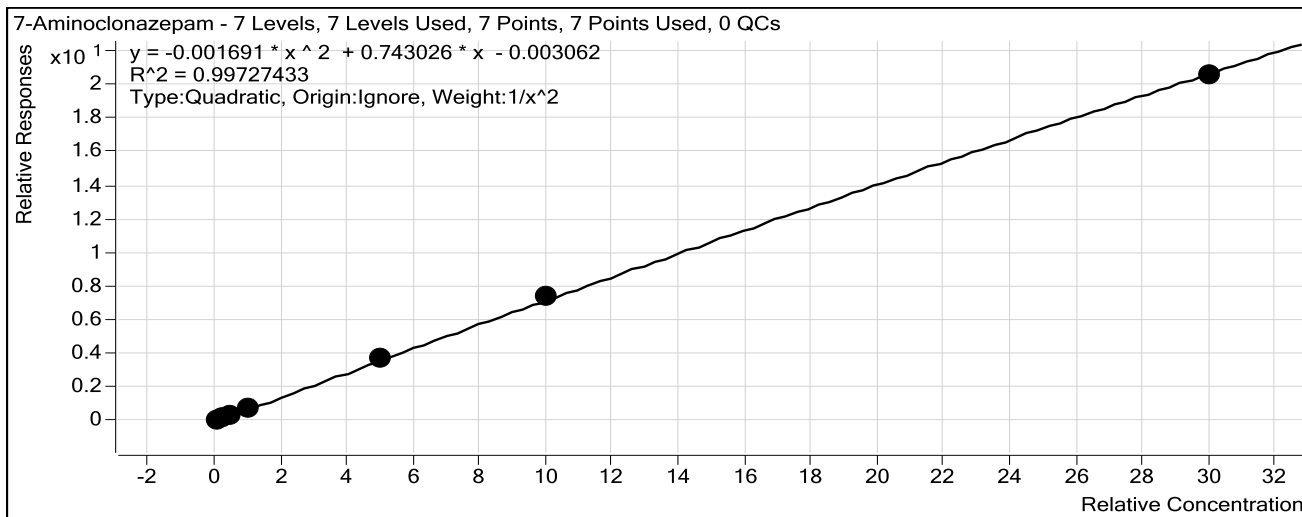
Sample Position	Sample Name	Method	Data File	Sample Type	Level Name	Comment	Info. 
	Positive Blood Control					AM 6.1.1 Benzo and Z by LCQQQ	FE012413-02 in UTAK LOT B1013
P1-E9	Blank - C2016-1059-1	Benzos_Z_Drugs_ACN_FA_ISP_2016.m	BZ-Carryover blank-C2016-1059-1_r001.d	Blank		AM 6.1.1 Benzo and Z by LCQQQ	
P1-E7	C2016-1059-1	Benzos_Z_Drugs_ACN_FA_ISP_2016.m	BZ-C2016-1059-1-r001.d	Sample		AM 6.1.1 Benzo and Z by LCQQQ	Blood
P1-E9	Blank - C2016-1109-1	Benzos_Z_Drugs_ACN_FA_ISP_2016.m	BZ-Carryover blank-C2016-1109-1_r001.d	Blank		AM 6.1.1 Benzo and Z by LCQQQ	
P1-E6	C2016-1109-1	Benzos_Z_Drugs_ACN_FA_ISP_2016.m	BZ-C2016-1109-1-r001.d	Sample		AM 6.1.1 Benzo and Z by LCQQQ	Blood
P1-E9	Blank - C2016-1169-2	Benzos_Z_Drugs_ACN_FA_ISP_2016.m	BZ-Carryover blank-C2016-1169-2_r001.d	Blank		AM 6.1.1 Benzo and Z by LCQQQ	
P1-E5	C2016-1169-2	Benzos_Z_Drugs_ACN_FA_ISP_2016.m	BZ-C2016-1169-2-r001.d	Sample		AM 6.1.1 Benzo and Z by LCQQQ	Blood
P1-E9	Blank - P2016-1689-1	Benzos_Z_Drugs_ACN_FA_ISP_2016.m	BZ-Carryover blank-P2016-1689-1_r001.d	Blank		AM 6.1.1 Benzo and Z by LCQQQ	
P1-E4	P2016-1689-1	Benzos_Z_Drugs_ACN_FA_ISP_2016.m	BZ-P2016-1689-1-r001.d	Sample		AM 6.1.1 Benzo and Z by LCQQQ	Blood
P1-F9	Blank	Benzos_Z_Drugs_ACN_FA_ISP_2016.m	BZ-Carryover blank3_r001.d	Blank		AM 6.1.1 Benzo and Z by LCQQQ	

# ISP Forensics Calibration Curve Report

CS

**Batch Data Path** I:\Pocatello\Abby\2016\Combined\083116 CS\QuantResults\8312016 Pocatello Benzo.batch.bin  
**Last Calib Update** 9/2/2016 7:15 AM **Analyst Name** ISP TOX

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

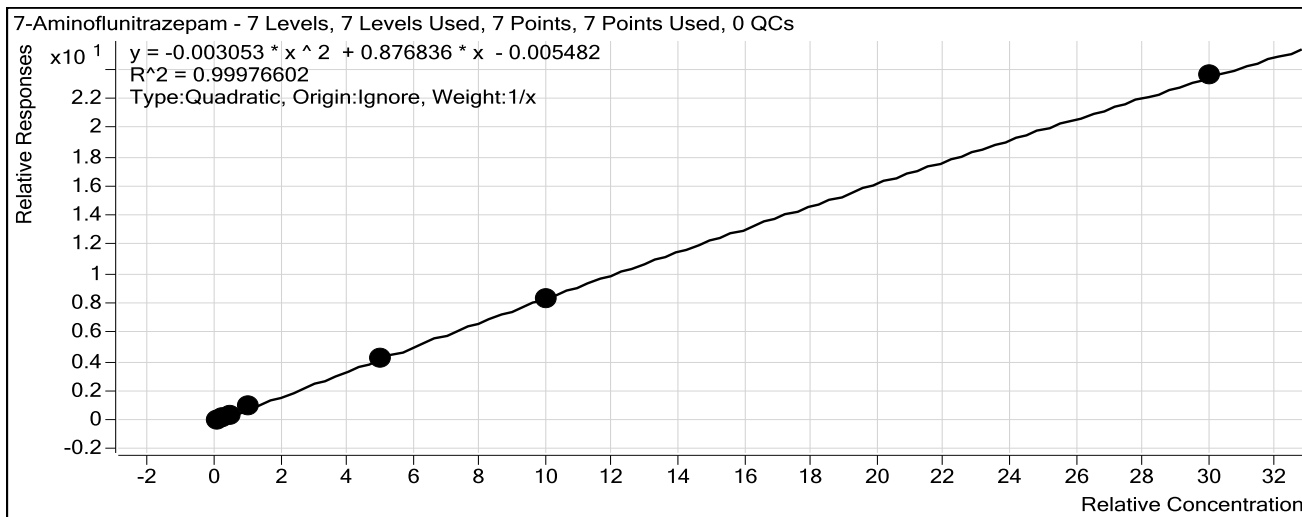


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	10.3	103.3
25 ng/mL	3	<input checked="" type="checkbox"/>	25	22.9	91.5
50 ng/mL	4	<input checked="" type="checkbox"/>	50	49.0	98.0
100 ng/mL	5	<input checked="" type="checkbox"/>	100	104.9	104.9
500 ng/mL	6	<input checked="" type="checkbox"/>	500	505.9	101.2
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	1022.6	102.3
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	2965.9	98.9

# ISP Forensics Calibration Curve Report

**Batch Data Path** I:\Pocatello\Abby\2016\Combined\083116 CS\QuantResults\8312016 Pocatello Benzo.batch.bin  
**Last Calib Update** 9/2/2016 7:15 AM **Analyst Name** ISP TOX

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



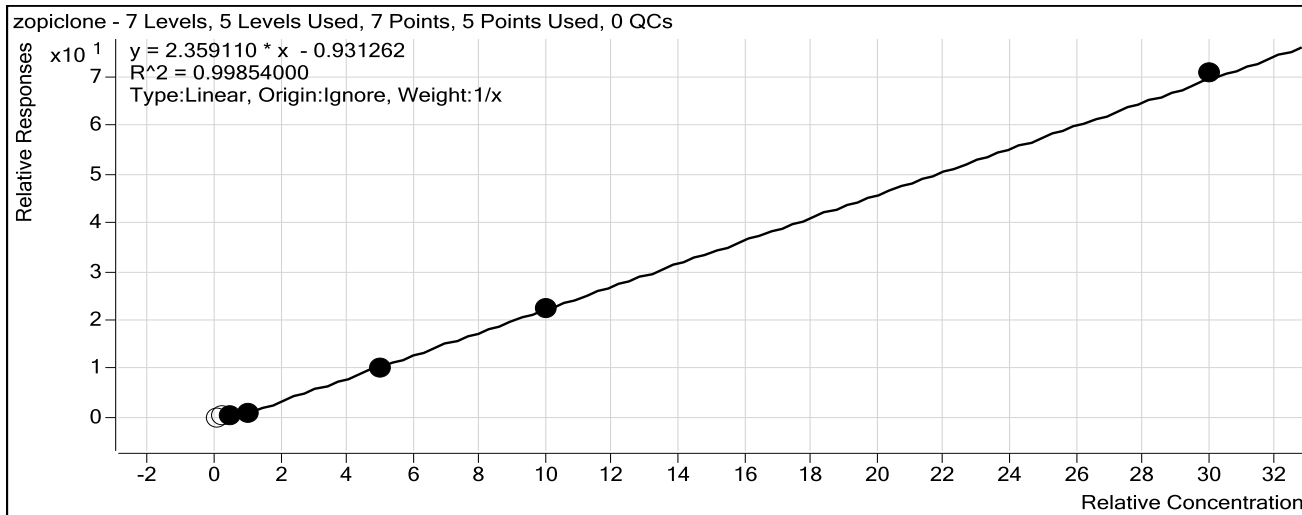
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	10.7	106.9
25 ng/mL	3	<input checked="" type="checkbox"/>	25	22.8	91.1
50 ng/mL	4	<input checked="" type="checkbox"/>	50	47.7	95.4
100 ng/mL	5	<input checked="" type="checkbox"/>	100	106.7	106.7
500 ng/mL	6	<input checked="" type="checkbox"/>	500	503.0	100.6
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	991.8	99.2
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	3002.4	100.1

# ISP Forensics Calibration Curve Report

**Batch Data Path** I:\Pocatello\Abby\2016\Combined\083116 CS\QuantResults\8312016 Pocatello  
Benzo.batch.bin

**Last Calib Update** 9/2/2016 7:15 AM      **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input type="checkbox"/>	10	43.7	437.5
25 ng/mL	3	<input type="checkbox"/>	25	49.0	196.2
50 ng/mL	4	<input checked="" type="checkbox"/>	50	59.5	118.9
100 ng/mL	5	<input checked="" type="checkbox"/>	100	85.6	85.6
500 ng/mL	6	<input checked="" type="checkbox"/>	500	473.7	94.7
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	995.0	99.5
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	3036.2	101.2

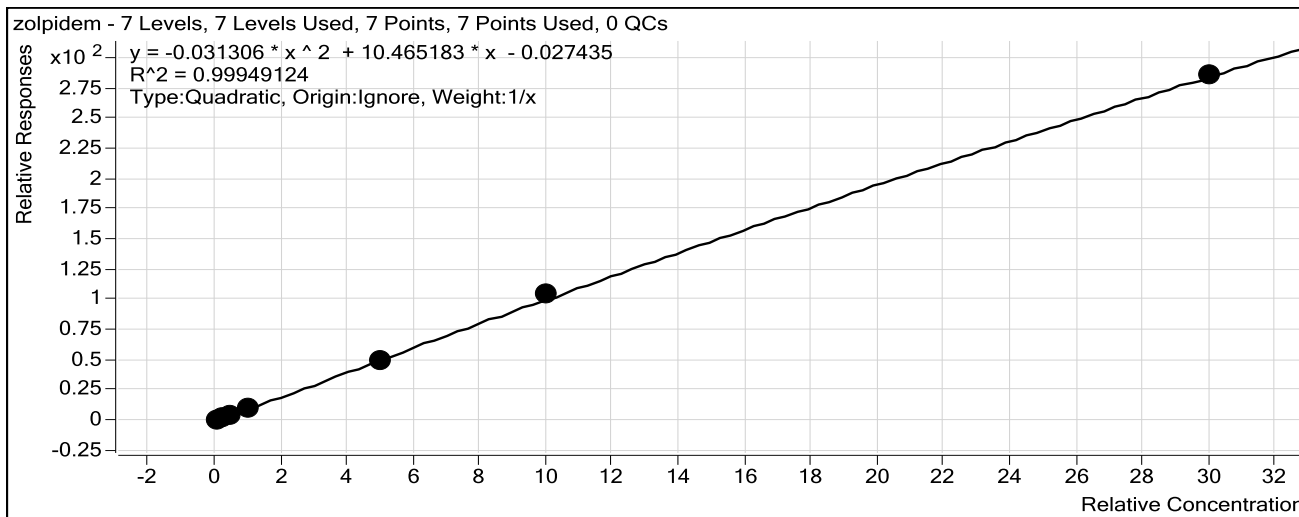


# ISP Forensics Calibration Curve Report

**Batch Data Path** I:\Pocatello\Abby\2016\Combined\083116 CS\QuantResults\8312016 Pocatello  
Benzo.batch.bin

**Last Calib Update** 9/2/2016 7:15 AM      **Analyst Name** ISP TOX

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

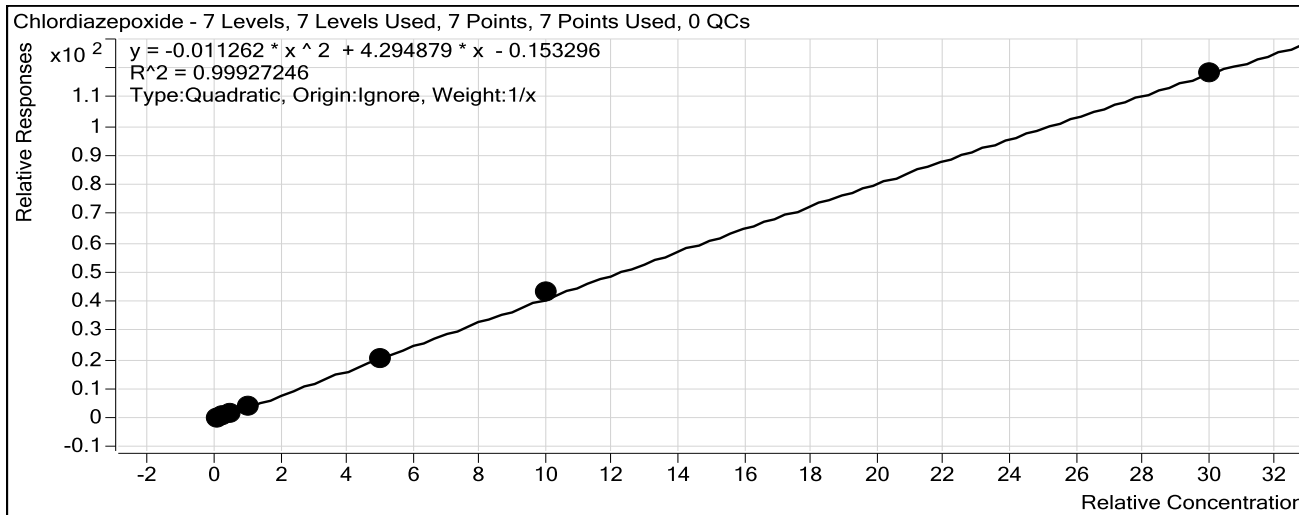


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	10.4	104.1
25 ng/mL	3	<input checked="" type="checkbox"/>	25	23.4	93.5
50 ng/mL	4	<input checked="" type="checkbox"/>	50	49.6	99.1
100 ng/mL	5	<input checked="" type="checkbox"/>	100	105.6	105.6
500 ng/mL	6	<input checked="" type="checkbox"/>	500	476.9	95.4
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	1023.7	102.4
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	2995.3	99.8

# ISP Forensics Calibration Curve Report

**Batch Data Path** I:\Pocatello\Abby\2016\Combined\083116 CS\QuantResults\8312016 Pocatello Benzo.batch.bin  
**Last Calib Update** 9/2/2016 7:15 AM **Analyst Name** ISP TOX

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

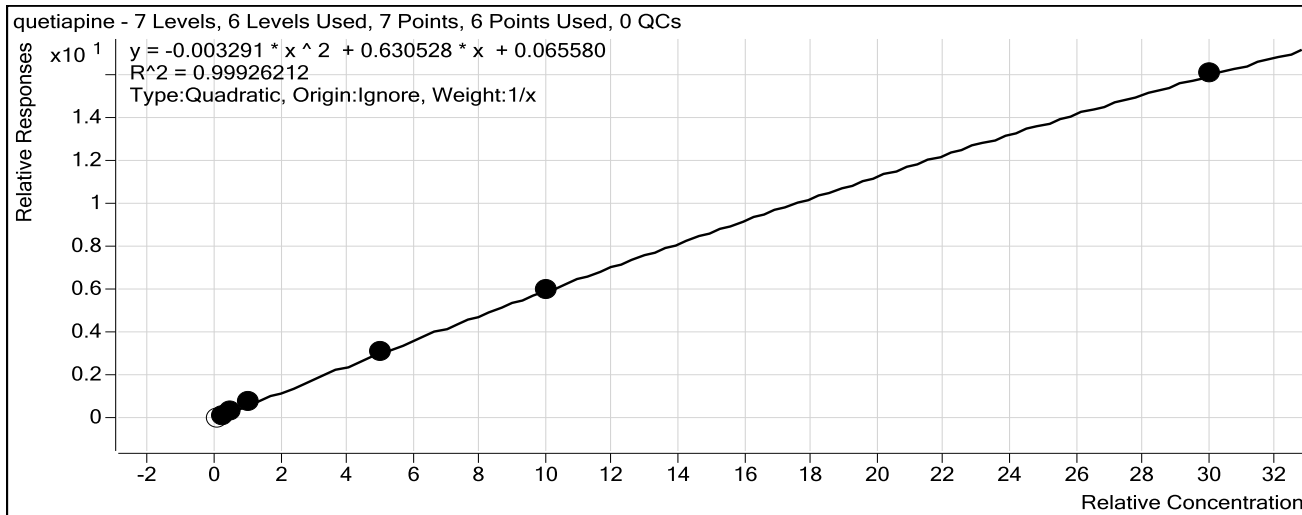


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	11.9	118.8
25 ng/mL	3	<input checked="" type="checkbox"/>	25	23.0	92.0
50 ng/mL	4	<input checked="" type="checkbox"/>	50	45.6	91.3
100 ng/mL	5	<input checked="" type="checkbox"/>	100	98.9	98.9
500 ng/mL	6	<input checked="" type="checkbox"/>	500	479.4	95.9
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	1035.1	103.5
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	2991.0	99.7

# ISP Forensics Calibration Curve Report

**Batch Data Path** I:\Pocatello\Abby\2016\Combined\083116 CS\QuantResults\8312016 Pocatello Benzo.batch.bin  
**Last Calib Update** 9/2/2016 7:15 AM **Analyst Name** ISP TOX

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



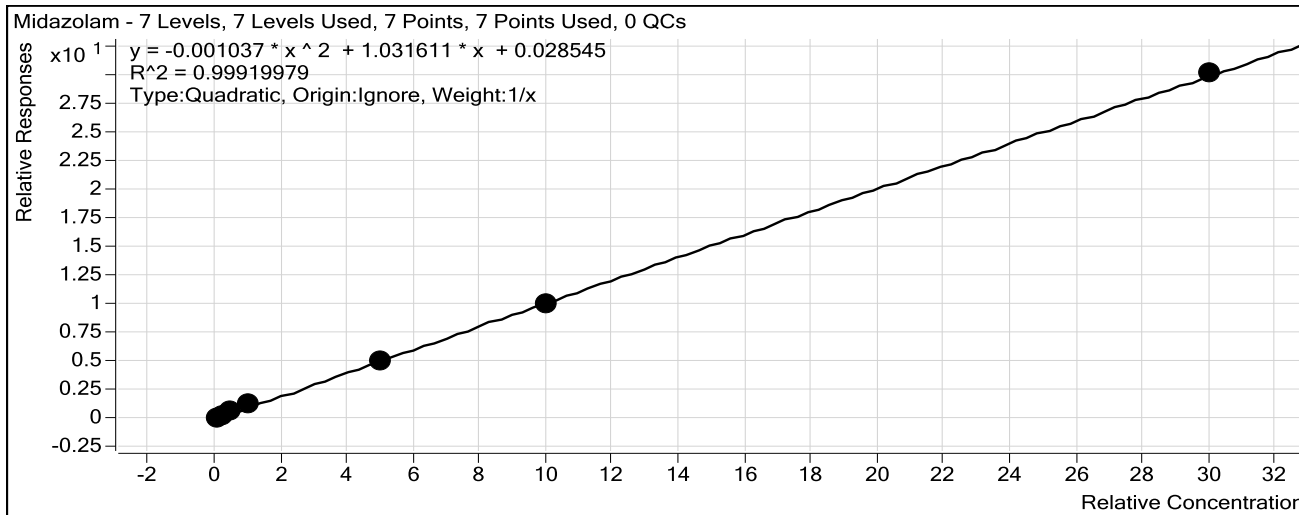
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input type="checkbox"/>	10	3.2	32.0
25 ng/mL	3	<input checked="" type="checkbox"/>	25	21.2	84.6
50 ng/mL	4	<input checked="" type="checkbox"/>	50	52.6	105.2
100 ng/mL	5	<input checked="" type="checkbox"/>	100	112.4	112.4
500 ng/mL	6	<input checked="" type="checkbox"/>	500	491.4	98.3
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	993.7	99.4
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	3004.1	100.1

# ISP Forensics Calibration Curve Report

**Batch Data Path** I:\Pocatello\Abby\2016\Combined\083116 CS\QuantResults\8312016 Pocatello  
Benzo.batch.bin

**Last Calib Update** 9/2/2016 7:15 AM      **Analyst Name** ISP TOX

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



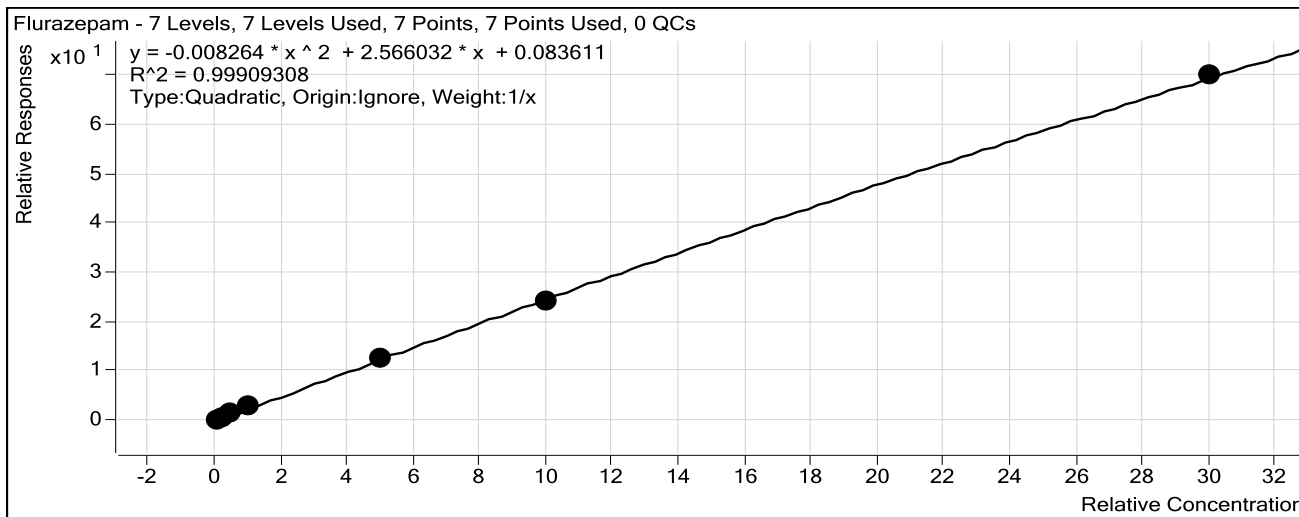
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	8.8	87.9
25 ng/mL	3	<input checked="" type="checkbox"/>	25	23.9	95.5
50 ng/mL	4	<input checked="" type="checkbox"/>	50	51.2	102.3
100 ng/mL	5	<input checked="" type="checkbox"/>	100	116.9	116.9
500 ng/mL	6	<input checked="" type="checkbox"/>	500	493.2	98.6
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	985.4	98.5
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	3005.7	100.2

# ISP Forensics Calibration Curve Report

**Batch Data Path** I:\Pocatello\Abby\2016\Combined\083116 CS\QuantResults\8312016 Pocatello  
Benzo.batch.bin

**Last Calib Update** 9/2/2016 7:15 AM      **Analyst Name** ISP TOX

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



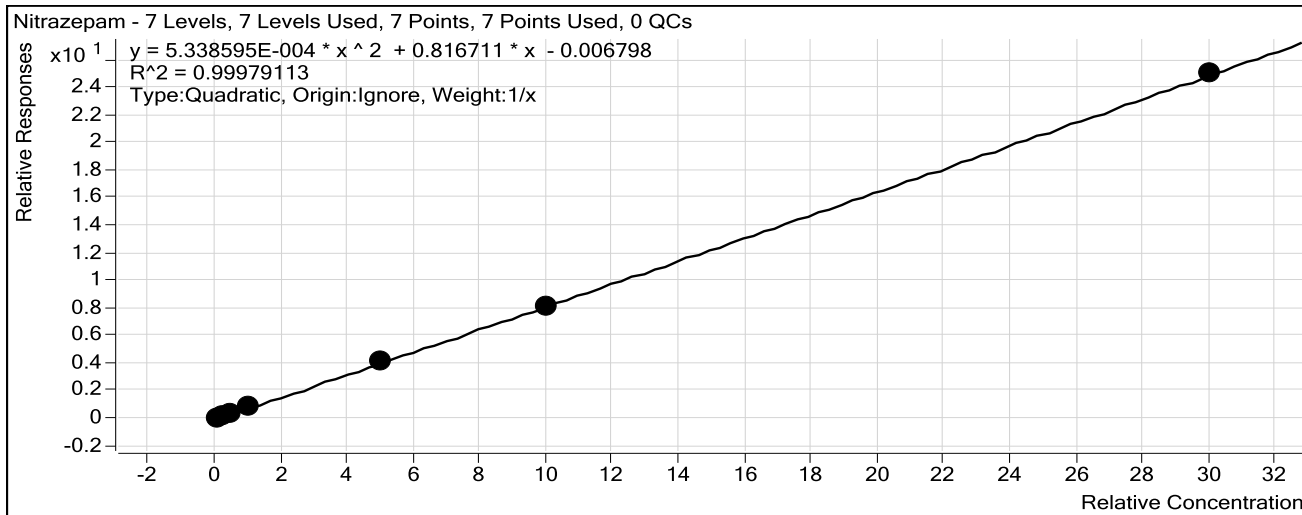
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	8.6	85.8
25 ng/mL	3	<input checked="" type="checkbox"/>	25	22.9	91.7
50 ng/mL	4	<input checked="" type="checkbox"/>	50	55.3	110.5
100 ng/mL	5	<input checked="" type="checkbox"/>	100	114.1	114.1
500 ng/mL	6	<input checked="" type="checkbox"/>	500	500.2	100.0
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	975.4	97.5
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	3008.8	100.3

# ISP Forensics Calibration Curve Report

**Batch Data Path** I:\Pocatello\Abby\2016\Combined\083116 CS\QuantResults\8312016 Pocatello  
Benzo.batch.bin

**Last Calib Update** 9/2/2016 7:15 AM      **Analyst Name** ISP TOX

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

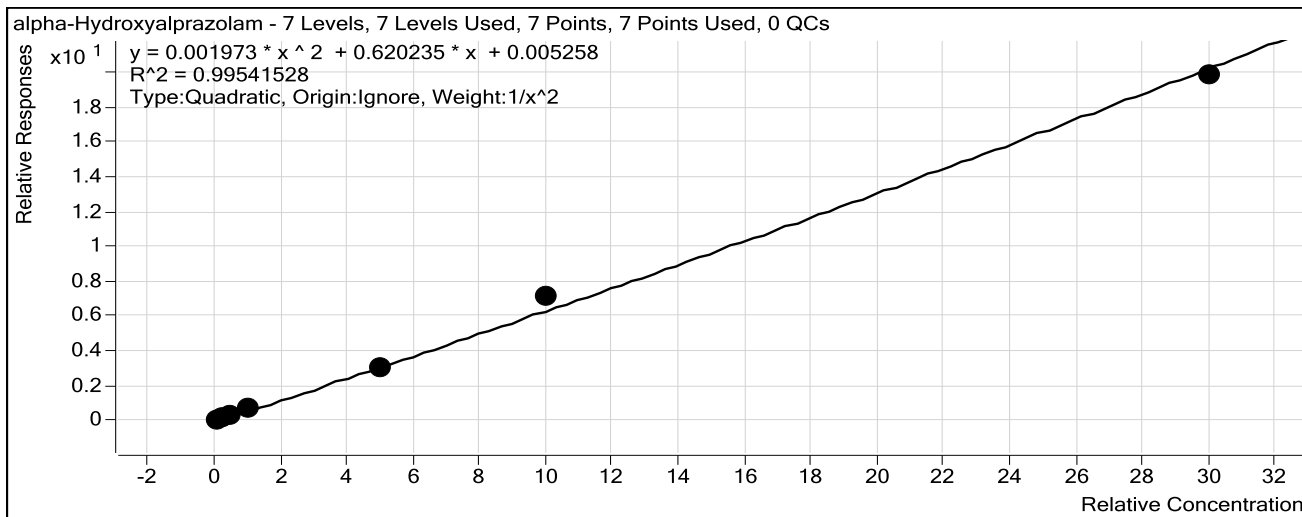


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	10.7	106.8
25 ng/mL	3	<input checked="" type="checkbox"/>	25	23.3	93.2
50 ng/mL	4	<input checked="" type="checkbox"/>	50	46.6	93.1
100 ng/mL	5	<input checked="" type="checkbox"/>	100	107.3	107.3
500 ng/mL	6	<input checked="" type="checkbox"/>	500	499.2	99.8
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	997.0	99.7
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	3000.9	100.0

# ISP Forensics Calibration Curve Report

**Batch Data Path** I:\Pocatello\Abby\2016\Combined\083116 CS\QuantResults\8312016 Pocatello Benzo.batch.bin  
**Last Calib Update** 9/2/2016 7:15 AM **Analyst Name** ISP TOX

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

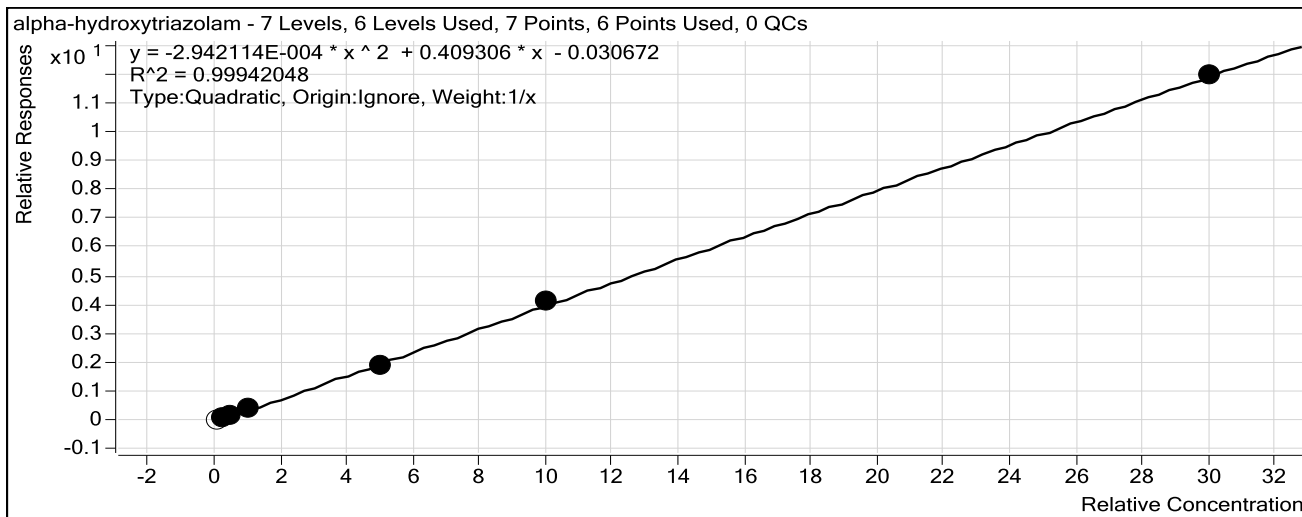


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	10.3	102.8
25 ng/mL	3	<input checked="" type="checkbox"/>	25	23.3	93.4
50 ng/mL	4	<input checked="" type="checkbox"/>	50	49.0	98.0
100 ng/mL	5	<input checked="" type="checkbox"/>	100	102.4	102.4
500 ng/mL	6	<input checked="" type="checkbox"/>	500	476.2	95.2
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	1105.6	110.6
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	2925.8	97.5

# ISP Forensics Calibration Curve Report

**Batch Data Path** I:\Pocatello\Abby\2016\Combined\083116 CS\QuantResults\8312016 Pocatello Benzo.batch.bin  
**Last Calib Update** 9/2/2016 7:15 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input type="checkbox"/>	10	16.1	161.2
25 ng/mL	3	<input checked="" type="checkbox"/>	25	26.9	107.7
50 ng/mL	4	<input checked="" type="checkbox"/>	50	47.0	93.9
100 ng/mL	5	<input checked="" type="checkbox"/>	100	100.3	100.3
500 ng/mL	6	<input checked="" type="checkbox"/>	500	476.6	95.3
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	1030.8	103.1
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	2993.5	99.8

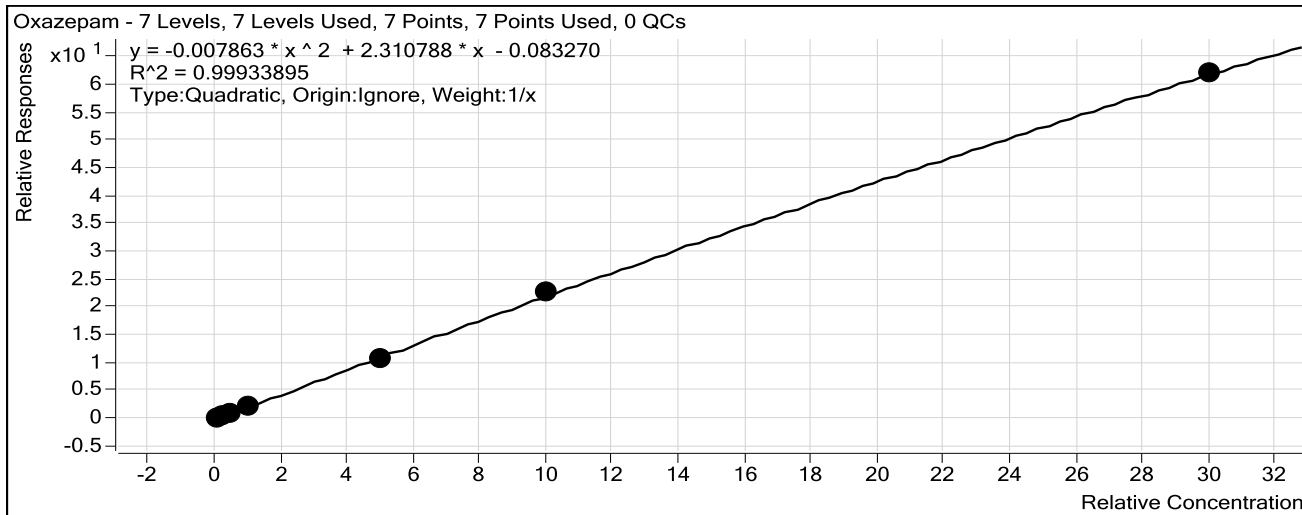


# ISP Forensics Calibration Curve Report

**Batch Data Path** I:\Pocatello\Abby\2016\Combined\083116 CS\QuantResults\8312016 Pocatello  
Benzo.batch.bin

**Last Calib Update** 9/2/2016 7:15 AM      **Analyst Name** ISP TOX

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



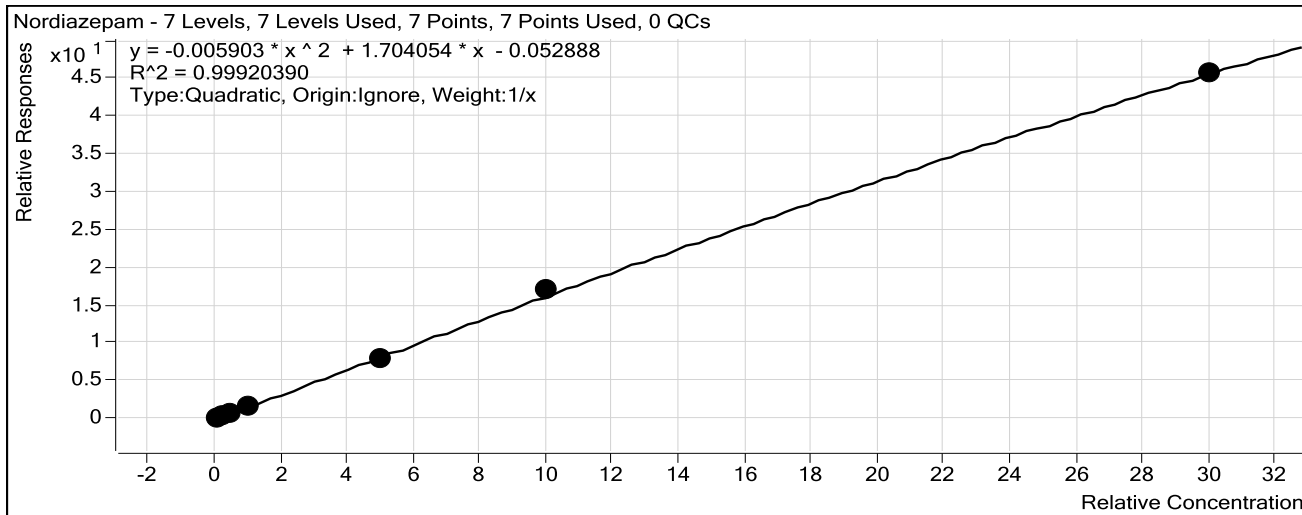
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	11.9	119.1
25 ng/mL	3	<input checked="" type="checkbox"/>	25	22.8	91.2
50 ng/mL	4	<input checked="" type="checkbox"/>	50	45.3	90.6
100 ng/mL	5	<input checked="" type="checkbox"/>	100	99.7	99.7
500 ng/mL	6	<input checked="" type="checkbox"/>	500	482.0	96.4
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	1031.6	103.2
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	2991.5	99.7

# ISP Forensics Calibration Curve Report

**Batch Data Path** I:\Pocatello\Abby\2016\Combined\083116 CS\QuantResults\8312016 Pocatello  
Benzo.batch.bin

**Last Calib Update** 9/2/2016 7:15 AM      **Analyst Name** ISP TOX

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

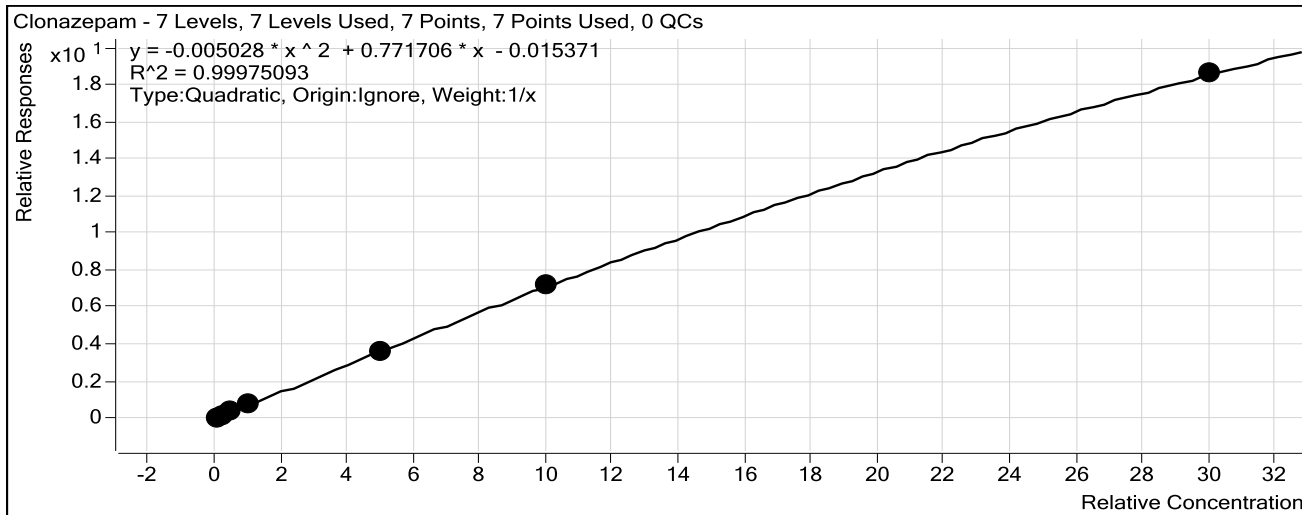


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	12.0	119.6
25 ng/mL	3	<input checked="" type="checkbox"/>	25	23.1	92.3
50 ng/mL	4	<input checked="" type="checkbox"/>	50	45.3	90.5
100 ng/mL	5	<input checked="" type="checkbox"/>	100	98.4	98.4
500 ng/mL	6	<input checked="" type="checkbox"/>	500	479.3	95.9
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	1036.7	103.7
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	2990.0	99.7

# ISP Forensics Calibration Curve Report

**Batch Data Path** I:\Pocatello\Abby\2016\Combined\083116 CS\QuantResults\8312016 Pocatello Benzo.batch.bin  
**Last Calib Update** 9/2/2016 7:15 AM **Analyst Name** ISP TOX

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

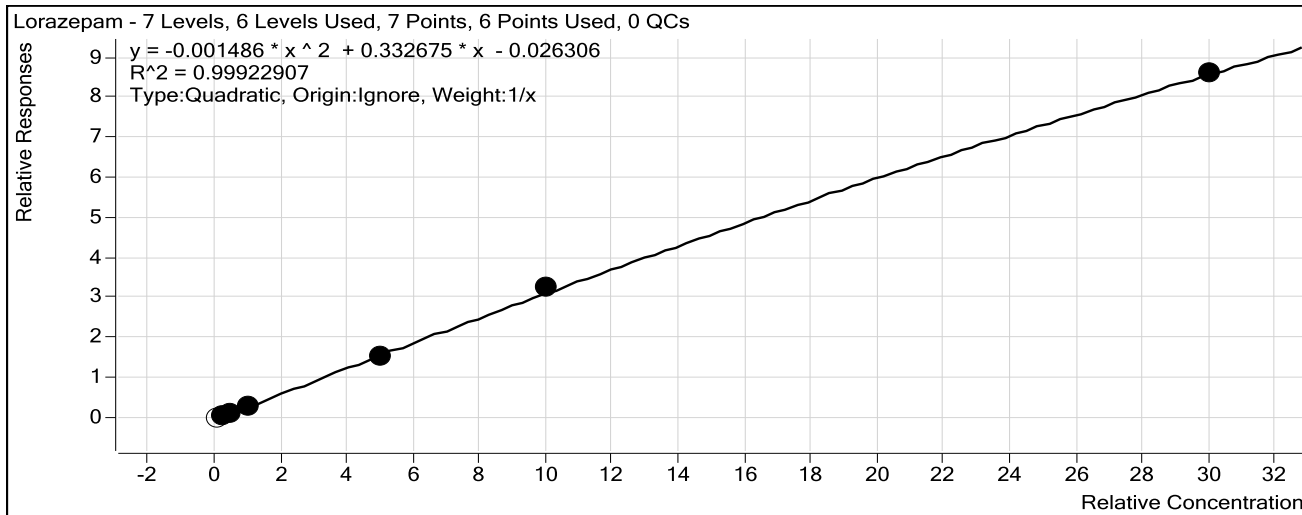


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	10.7	106.7
25 ng/mL	3	<input checked="" type="checkbox"/>	25	23.2	92.7
50 ng/mL	4	<input checked="" type="checkbox"/>	50	48.0	96.0
100 ng/mL	5	<input checked="" type="checkbox"/>	100	105.7	105.7
500 ng/mL	6	<input checked="" type="checkbox"/>	500	490.3	98.1
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	1009.1	100.9
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	2997.9	99.9

# ISP Forensics Calibration Curve Report

**Batch Data Path** I:\Pocatello\Abby\2016\Combined\083116 CS\QuantResults\8312016 Pocatello Benzo.batch.bin  
**Last Calib Update** 9/2/2016 7:15 AM **Analyst Name** ISP TOX

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



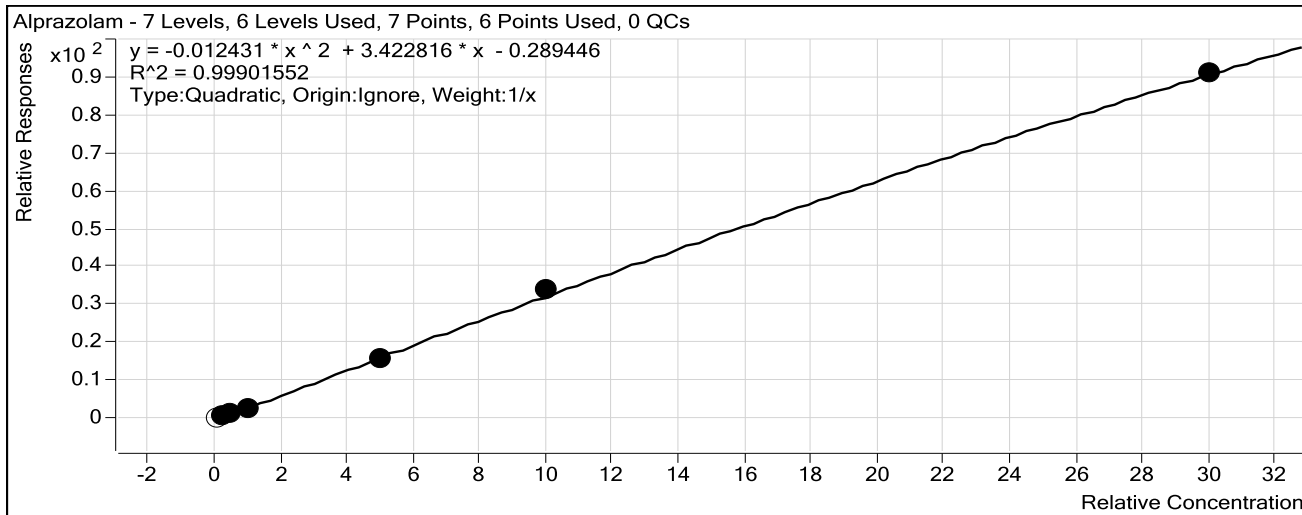
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input type="checkbox"/>	10	11.3	113.2
25 ng/mL	3	<input checked="" type="checkbox"/>	25	26.4	105.5
50 ng/mL	4	<input checked="" type="checkbox"/>	50	48.7	97.3
100 ng/mL	5	<input checked="" type="checkbox"/>	100	99.2	99.2
500 ng/mL	6	<input checked="" type="checkbox"/>	500	472.9	94.6
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	1036.8	103.7
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	2990.7	99.7

# ISP Forensics Calibration Curve Report

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**Batch Data Path** I:\Pocatello\Abby\2016\Combined\083116 CS\QuantResults\8312016 Pocatello Benzo.batch.bin  
**Last Calib Update** 9/2/2016 7:15 AM **Analyst Name** ISP TOX

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

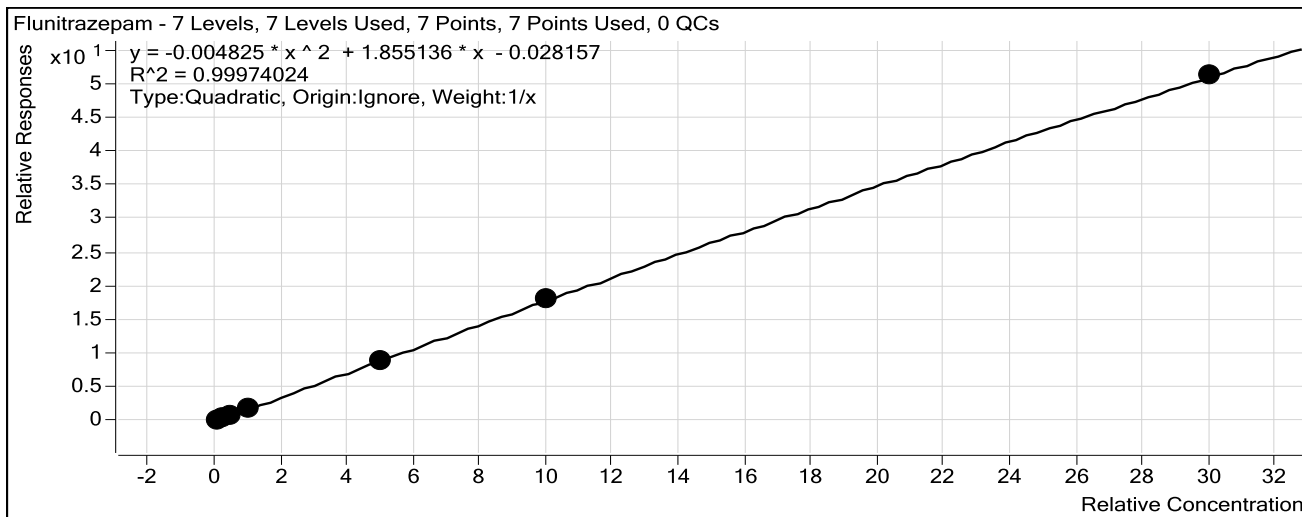


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input type="checkbox"/>	10	16.6	165.8
25 ng/mL	3	<input checked="" type="checkbox"/>	25	25.7	103.0
50 ng/mL	4	<input checked="" type="checkbox"/>	50	54.9	109.7
100 ng/mL	5	<input checked="" type="checkbox"/>	100	87.9	87.9
500 ng/mL	6	<input checked="" type="checkbox"/>	500	482.5	96.5
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	1032.8	103.3
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	2991.1	99.7

# ISP Forensics Calibration Curve Report

**Batch Data Path** I:\Pocatello\Abby\2016\Combined\083116 CS\QuantResults\8312016 Pocatello Benzo.batch.bin  
**Last Calib Update** 9/2/2016 7:15 AM **Analyst Name** ISP TOX

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



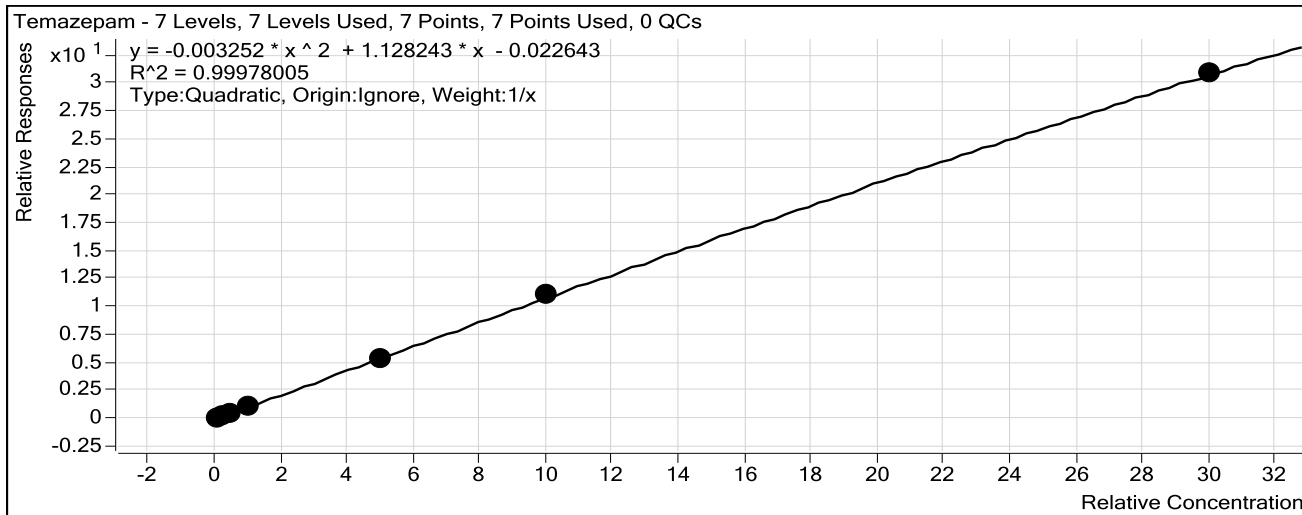
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	10.9	109.2
25 ng/mL	3	<input checked="" type="checkbox"/>	25	22.9	91.7
50 ng/mL	4	<input checked="" type="checkbox"/>	50	46.7	93.4
100 ng/mL	5	<input checked="" type="checkbox"/>	100	106.5	106.5
500 ng/mL	6	<input checked="" type="checkbox"/>	500	493.0	98.6
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	1006.0	100.6
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	2998.9	100.0

# ISP Forensics Calibration Curve Report

**Batch Data Path** I:\Pocatello\Abby\2016\Combined\083116 CS\QuantResults\8312016 Pocatello  
Benzo.batch.bin

**Last Calib Update** 9/2/2016 7:15 AM      **Analyst Name** ISP TOX

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



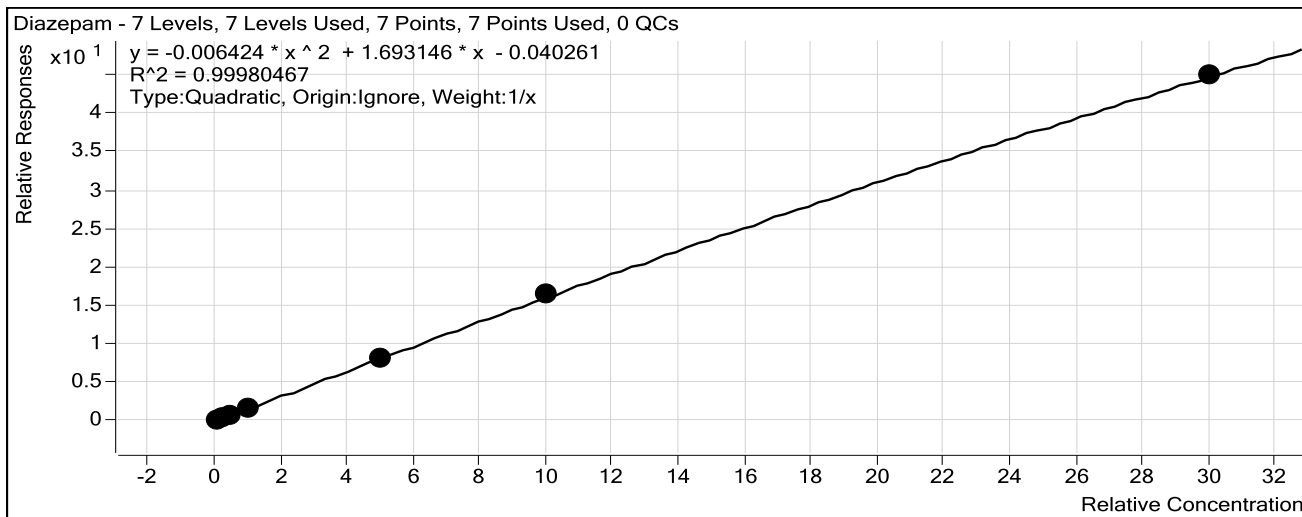
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	11.1	111.0
25 ng/mL	3	<input checked="" type="checkbox"/>	25	23.1	92.5
50 ng/mL	4	<input checked="" type="checkbox"/>	50	47.9	95.8
100 ng/mL	5	<input checked="" type="checkbox"/>	100	101.3	101.3
500 ng/mL	6	<input checked="" type="checkbox"/>	500	488.9	97.8
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	1016.7	101.7
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	2995.8	99.9

# ISP Forensics Calibration Curve Report

**Batch Data Path** I:\Pocatello\Abby\2016\Combined\083116 CS\QuantResults\8312016 Pocatello  
Benzo.batch.bin

**Last Calib Update** 9/2/2016 7:15 AM      **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	11.5	114.6
25 ng/mL	3	<input checked="" type="checkbox"/>	25	22.3	89.4
50 ng/mL	4	<input checked="" type="checkbox"/>	50	47.4	94.8
100 ng/mL	5	<input checked="" type="checkbox"/>	100	101.1	101.1
500 ng/mL	6	<input checked="" type="checkbox"/>	500	496.9	99.4
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	1008.3	100.8
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	2997.3	99.9



# ISP FORENSICS

## Pocatello

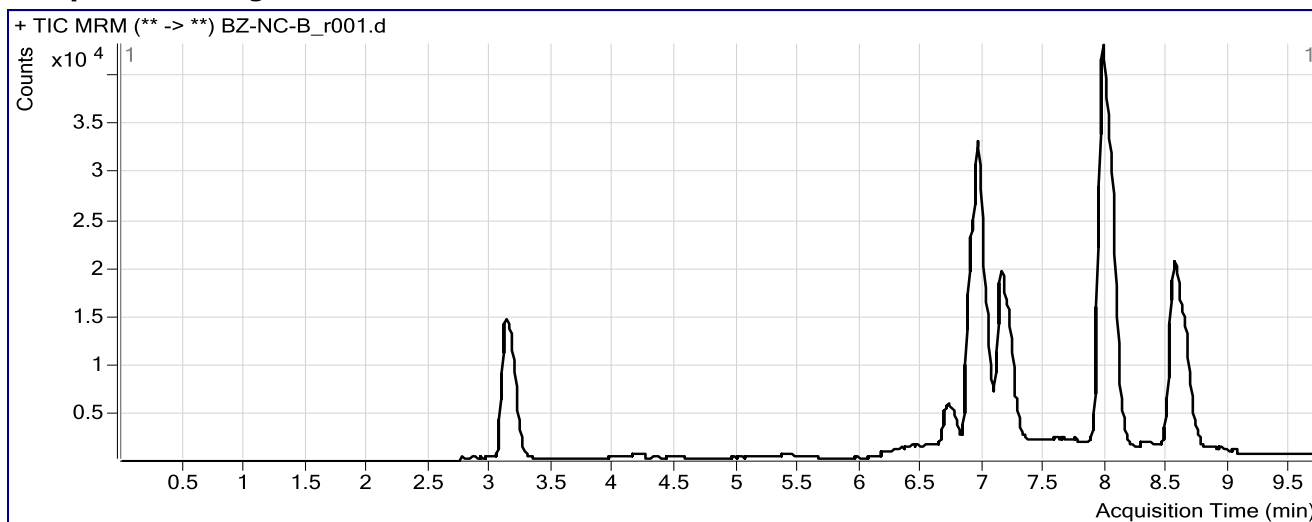
### Benzodiazepine Analysis Report

**Batch Data Path** I:\Pocatello\Abby\2016\Combined\083116 CS\QuantResults\8312016 Pocatello Benzo.batch.bin  
**Analysis Time** 9/2/2016 7:15 AM **Analyst Name** ISPUser  
**Report Time** 9/2/2016 7:28 AM **Reporter Name** ISPUser  
**Last Calib Update** 9/2/2016 7:15 AM **Batch State** Processed

#### Analysis Info

**Acq Time** 2016-08-31 20:08 **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\_2016.m  
**Position** P1-E9 **Sample Info** UTAK Negative Whole Blood LOT B1013  
**Inj Vol** -1 **Comment** AM 6.1.1 Benzo and Z by LCQQQ

#### Sample Chromatogram



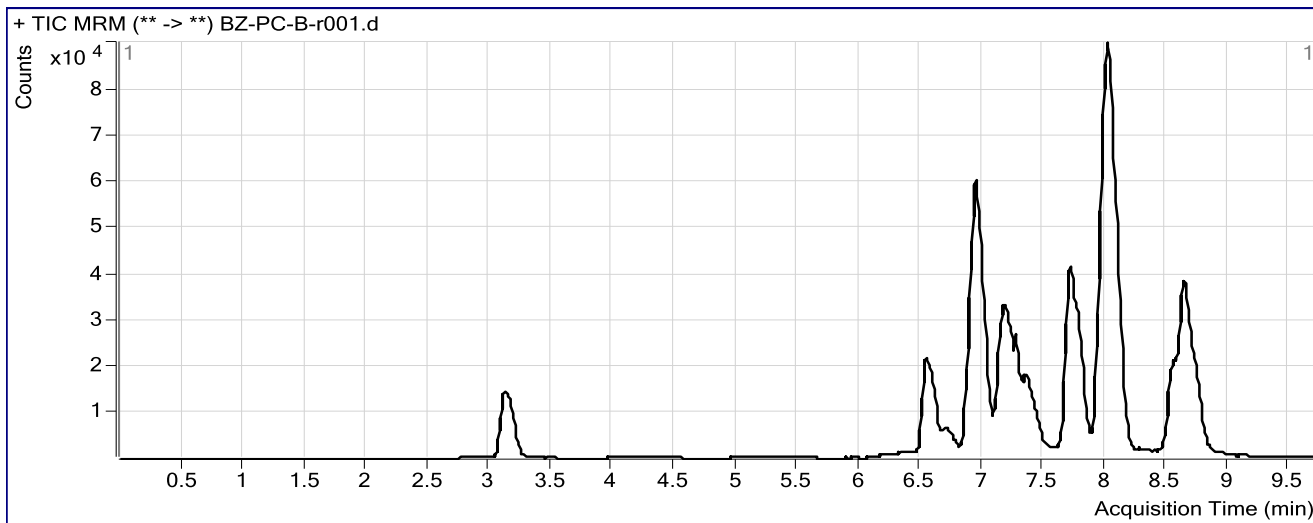
# ISP FORENSICS Pocatello Benzodiazepine Analysis Report

**Batch Data Path** I:\Pocatello\Abby\2016\Combined\083116 CS\QuantResults\8312016 Pocatello Benzo.batch.bin  
**Analysis Time** 9/2/2016 7:15 AM **Analyst Name** ISPUser  
**Report Time** 9/2/2016 7:28 AM **Reporter Name** ISPUser  
**Last Calib Update** 9/2/2016 7:15 AM **Batch State** Processed

## Analysis Info

**Acq Time** 2016-08-31 20:24 **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\_2016.m  
**Position** P1-E8 **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



## Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Nitrazepam	Clonazepam-D4 ISTD	6.540	91050	103162	0.8826	108.8218
Oxazepam	Nordiazepam-D5 ISTD	6.934	128389	64274	1.9975	90.3239
Clonazepam	Clonazepam-D4 ISTD	7.176	88045	103162	0.8535	113.4246
Lorazepam	Nordiazepam-D5 ISTD	7.267	18204	64274	0.2832	93.4305
Alprazolam	alphahydroxyalprazolam-D5 ISTD	7.371	86714	22558	3.8440	121.2948
Flunitrazepam	Clonazepam-D4 ISTD	7.706	220051	103162	2.1331	116.8545
Temazepam	Temazepam-D5 ISTD	8.020	371303	296614	1.2518	113.3288
Diazepam	Diazepam-D5 ISTD	8.641	163302	98056	1.6654	101.1267