







reviewed 5/30/17

BWylee

5/16/2017

Worklist: 1725

<u>LAB_CASE</u>	<u>ITEM</u>	<u>TASK_ID</u>	<u>DESCRIPTION</u>	
M2017-1119	1	84716	AM 13 Blood LCMS-QQQ Benz	
P2017-0413	8	84717	AM 13 Blood LCMS-QQQ Benz	
P2017-0465	3	84718	AM 13 Blood LCMS-QQQ Benz	
P2017-0620	1	84719	AM 13 Blood LCMS-QQQ Benz	
P2017-0696	1	84720	AM 13 Blood LCMS-QQQ Benz	
P2017-0881	1	84721	AM 13 Blood LCMS-QQQ Benz	

Worklist Report

Worklist Path:	C:\MassHunter\ISP Methods\worklists\CS Combined 051217.wkl
Date Modified:	05/12/2017 03:12:34 PM
Date Printed:	05/12/2017 03:12:41 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\2016\Combined\092216MJ
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 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. ๑
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	M2017-1119	Benzos_Z_Drugs_ACN_FA_ISP_2017.m	BZ-M119-r001.d	Sample		AM 6.1.1 Benzo and Z by LCQQQ	Blood
P1-B2	P2017-0413-8	Benzos_Z_Drugs_ACN_FA_ISP_2017.m	BZ-P0413-8_r001.d	Blank		AM 6.1.1 Benzo and Z by LCQQQ	
P1-B3	P2017-0465-3	Benzos_Z_Drugs_ACN_FA_ISP_2017.m	BZ-P0465-3-r001.d	Sample		AM 6.1.1 Benzo and Z by LCQQQ	Blood
P1-B4	P2017-0620	Benzos_Z_Drugs_ACN_FA_ISP_2017.m	BZ-P0620_r001.d	Blank		AM 6.1.1 Benzo and Z by LCQQQ	
P1-B5	P2017-0696	Benzos_Z_Drugs_ACN_FA_ISP_2017.m	BZ-P0696-r001.d	Sample		AM 6.1.1 Benzo and Z by LCQQQ	Blood
P1-B6	P2017-0881	Benzos_Z_Drugs_ACN_FA_ISP_2017.m	BZ-P0881_r001.d	Blank		AM 6.1.1 Benzo and Z by LCQQQ	
P1-A1	Blank	Benzos_Z_Drugs_ACN_FA_ISP_2017.m	BZ-blank.d	Blank		AM 6.1.2 Cannabinoids by LCQQQ	
P1-C1	Blank	isp blood cannabinoids Poky 2016-3.m	MJ-Blank1-r001.d	Blank		AM 6.1.2 Cannabinoids by LCQQQ	
P1-C1	Blank	isp blood cannabinoids Poky 2016-3.m	MJ-Blank2-r001.d	Blank		AM 6.1.2 Cannabinoids by LCQQQ	
P1-C2	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-C3	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-C4	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
P1-C5		isp blood cannabinoids Poky 2016-3.m		Calibration	4		

Sample Position	Sample Name	Method	Data File	Sample Type	Level Name	Comment	Info. 
	Blood: 10_50 ng/mL		MJ-CAL4_r001.d			AM 6.1.2 Cannabinoids by LCQQQ	c-THC @50ng/mL, all others @10 ng/mL
P1-C6	Blood: 25_125 ng/mL	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-C7	Blood: 50_250 ng/mL	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-C8	Blood: 100_500 ng/mL	isp blood cannabinoids Poky 2016-3.m	MJ-CAL7_r001.d	Calibration	7	AM 6.1.2 Cannabinoids by LCQQQ	c-THC @500ng/mL, all others @100 ng/mL
P1-C1	Blank	isp blood cannabinoids Poky 2016-3.m	MJ-Carryover blank1_r001.d	Blank		AM 6.1.2 Cannabinoids by LCQQQ	
P1-C9	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-D1	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-C1	Blank	isp blood cannabinoids Poky 2016-3.m	MJ-Blank 3_r001.d	Blank		AM 6.1.2 Cannabinoids by LCQQQ	
P1-D2	M2017-0901	isp blood cannabinoids Poky 2016-3.m	MJ-M0901-r001.d	Sample		AM 6.1.2 Cannabinoids by LCQQQ	Blood
P1-D3	M2017-1311	isp blood cannabinoids Poky 2016-3.m	MJ-M1311-r001.d	Blank		AM 6.1.2 Cannabinoids by LCQQQ	
P1-D4	P2017-0465-3	isp blood cannabinoids Poky 2016-3.m	MJ-P0465-3-r001.d	Sample		AM 6.1.2 Cannabinoids by LCQQQ	Blood
P1-D5	P2017-0607	isp blood cannabinoids Poky 2016-3.m	MJ-P0607_r001.d	Blank		AM 6.1.2 Cannabinoids by LCQQQ	
P1-D6	P2017-0663	isp blood cannabinoids Poky 2016-3.m	MJ-P0663-r001.d	Sample		AM 6.1.2 Cannabinoids by LCQQQ	Blood
P1-D7	P2017-0735	isp blood cannabinoids Poky 2016-3.m	MJ-P0735-r001.d	Blank		AM 6.1.2 Cannabinoids by LCQQQ	
P1-D8	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-D9	P2017-0863-2	isp blood cannabinoids Poky 2016-3.m	MJ-P0863-2-r001.d	Sample		AM 6.1.2 Cannabinoids by LCQQQ	Blood
P1-E1	P2017-0864	isp blood cannabinoids Poky 2016-3.m	MJ-P0864-r001.d	Blank		AM 6.1.2 Cannabinoids by LCQQQ	
P1-E2	P2017-0898	isp blood cannabinoids Poky 2016-3.m	MJ-P0898-r001.d	Sample		AM 6.1.2 Cannabinoids by LCQQQ	Blood
P1-E3	P2017-0908	isp blood cannabinoids Poky 2016-3.m	MJ-P0908-r001.d	Blank			

Sample Position	Sample Name	Method	Data File	Sample Type	Level Name	Comment	Info. ٢٩
						AM 6.1.2 Cannabinoids by LCQQQ	
P1-E4	P2017-0074	isp blood cannabinoids Poky 2016-3.m	MJ-P0074_r001.d	Blank		AM 6.1.2 Cannabinoids by LCQQQ	
P1-E5	P2017-0966	isp blood cannabinoids Poky 2016-3.m	MJ-P0966-r001.d	Blank		AM 6.1.2 Cannabinoids by LCQQQ	
P1-C1	Blank	isp blood cannabinoids Poky 2016-3.m	MJ-Blank4-r001.d	Blank		AM 6.1.2 Cannabinoids by LCQQQ	Blood

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2016\Combined\051217 CS\QuantResults\051217 CS Benzo.batch.bin

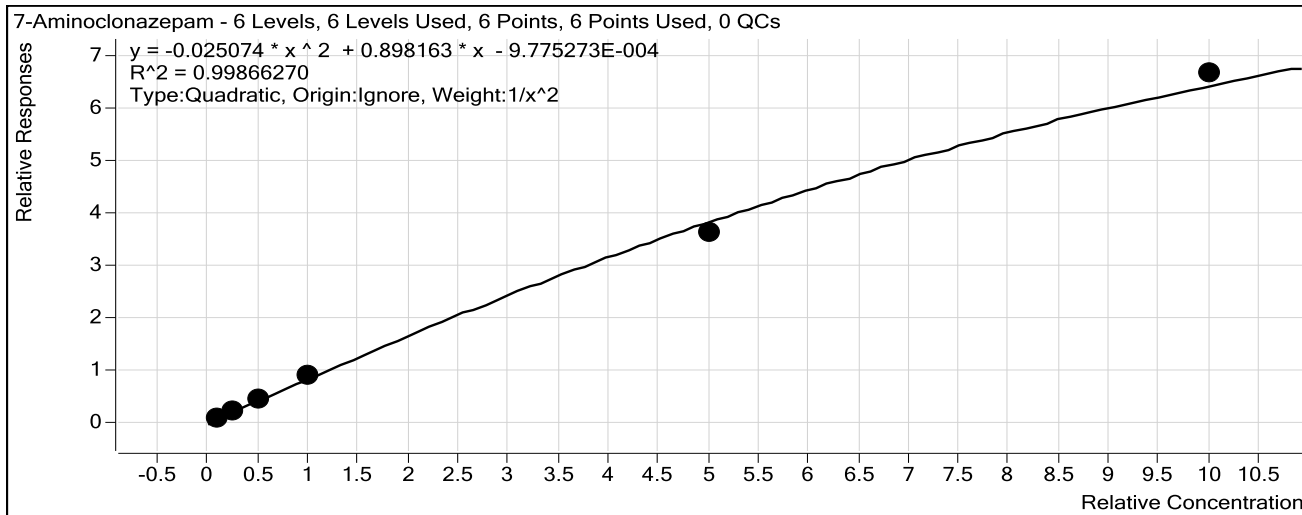
Last Calib Update 5/15/2017 7:53 AM

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	10.0	99.7
25 ng/mL	3	<input checked="" type="checkbox"/>	25	24.9	99.4
50 ng/mL	4	<input checked="" type="checkbox"/>	50	51.2	102.4
100 ng/mL	5	<input checked="" type="checkbox"/>	100	101.2	101.2
500 ng/mL	6	<input checked="" type="checkbox"/>	500	466.3	93.3
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	1052.5	105.2

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2016\Combined\051217 CS\QuantResults\051217 CS Benzo.batch.bin

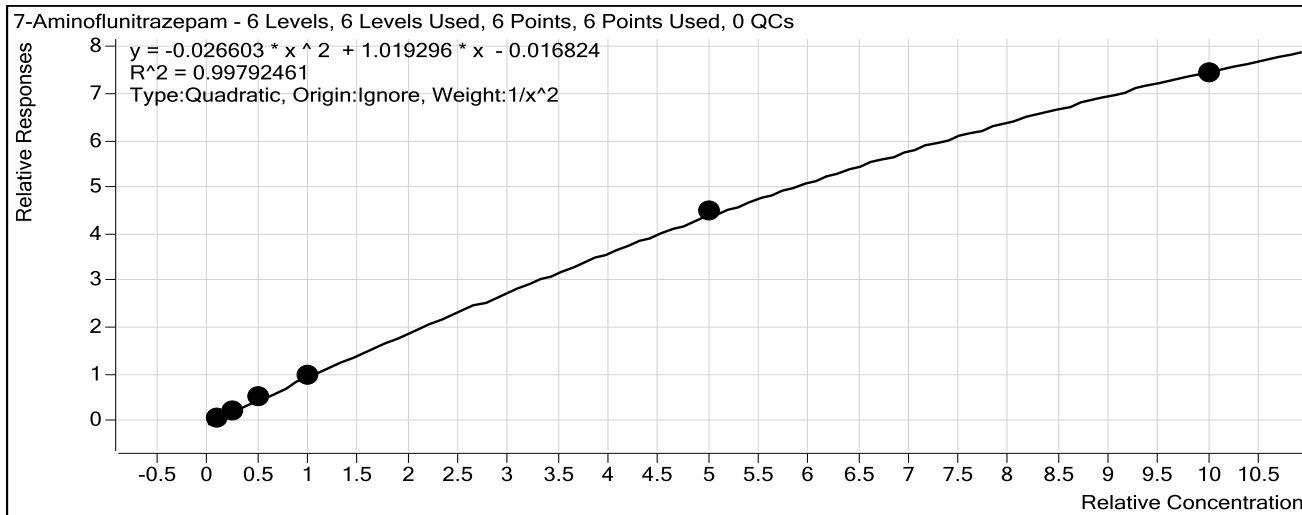
Last Calib Update 5/15/2017 7:53 AM

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	10.2	101.6
25 ng/mL	3	<input checked="" type="checkbox"/>	25	23.5	94.0
50 ng/mL	4	<input checked="" type="checkbox"/>	50	52.1	104.2
100 ng/mL	5	<input checked="" type="checkbox"/>	100	99.5	99.5
500 ng/mL	6	<input checked="" type="checkbox"/>	500	510.6	102.1
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	983.4	98.3

ISP Forensics Calibration Curve Report

69

Batch Data Path C:\MassHunter\Data\2016\Combined\051217 CS\QuantResults\051217 CS Benzo.batch.bin

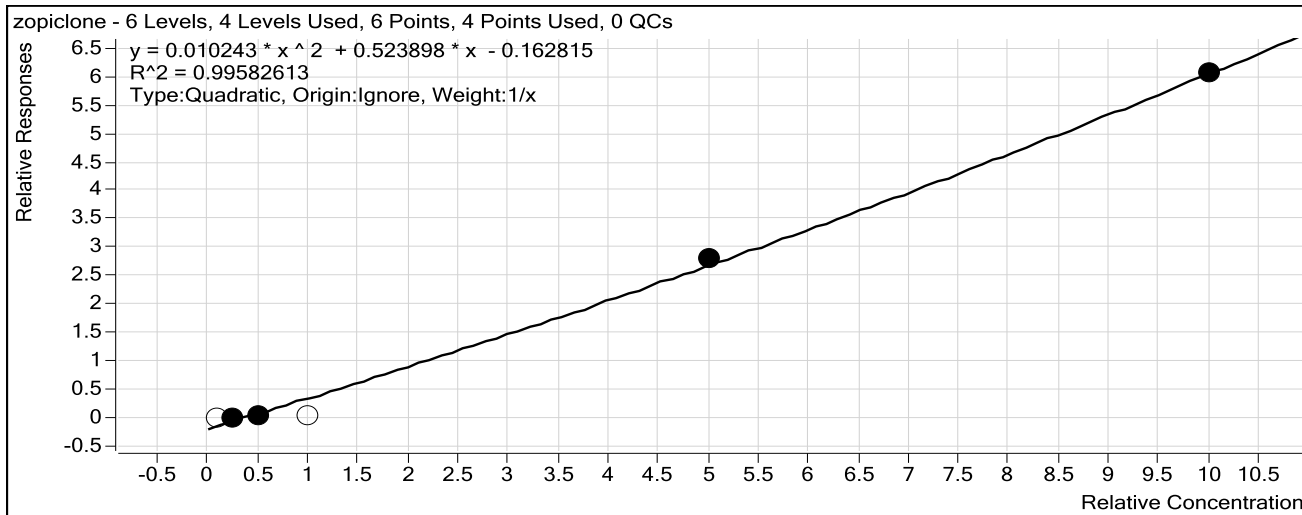
Last Calib Update 5/15/2017 7:53 AM

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	31.6	316.0
25 ng/mL	3	<input checked="" type="checkbox"/>	25	32.2	128.7
50 ng/mL	4	<input checked="" type="checkbox"/>	50	34.5	69.1
100 ng/mL	5	<input type="checkbox"/>	100	38.5	38.5
500 ng/mL	6	<input checked="" type="checkbox"/>	500	513.1	102.6
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	994.8	99.5

Zopiclone not evaluated for this run. 69

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2016\Combined\051217 CS\QuantResults\051217 CS Benzo.batch.bin

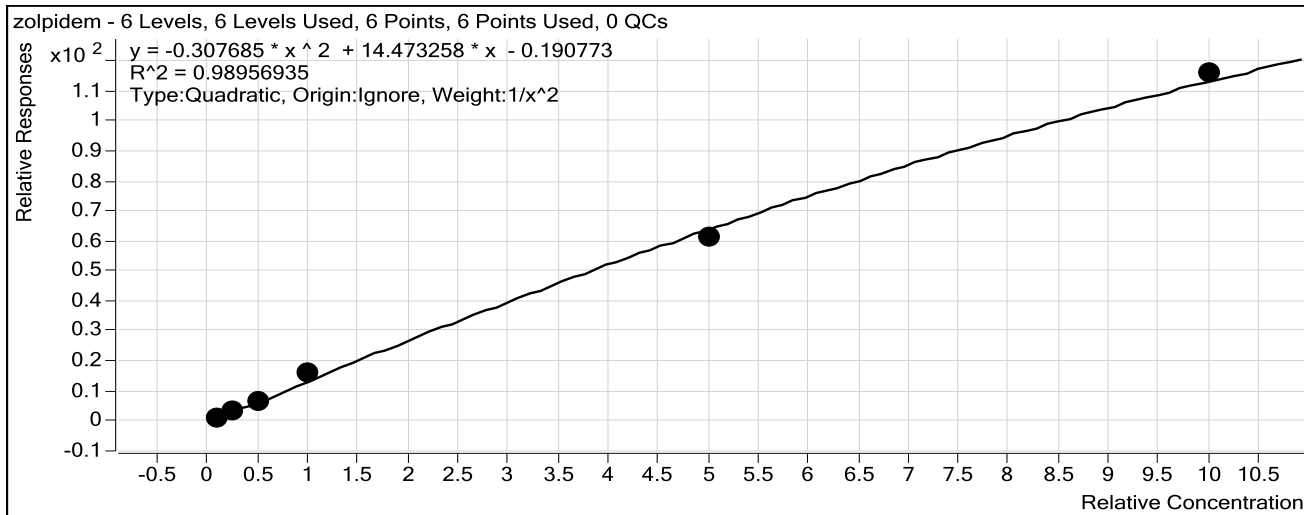
Last Calib Update 5/15/2017 7:53 AM

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	10.2	101.9
25 ng/mL	3	<input checked="" type="checkbox"/>	25	24.1	96.4
50 ng/mL	4	<input checked="" type="checkbox"/>	50	45.4	90.9
100 ng/mL	5	<input checked="" type="checkbox"/>	100	114.3	114.3
500 ng/mL	6	<input checked="" type="checkbox"/>	500	471.4	94.3
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	1024.9	102.5

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2016\Combined\051217 CS\QuantResults\051217 CS Benzo.batch.bin

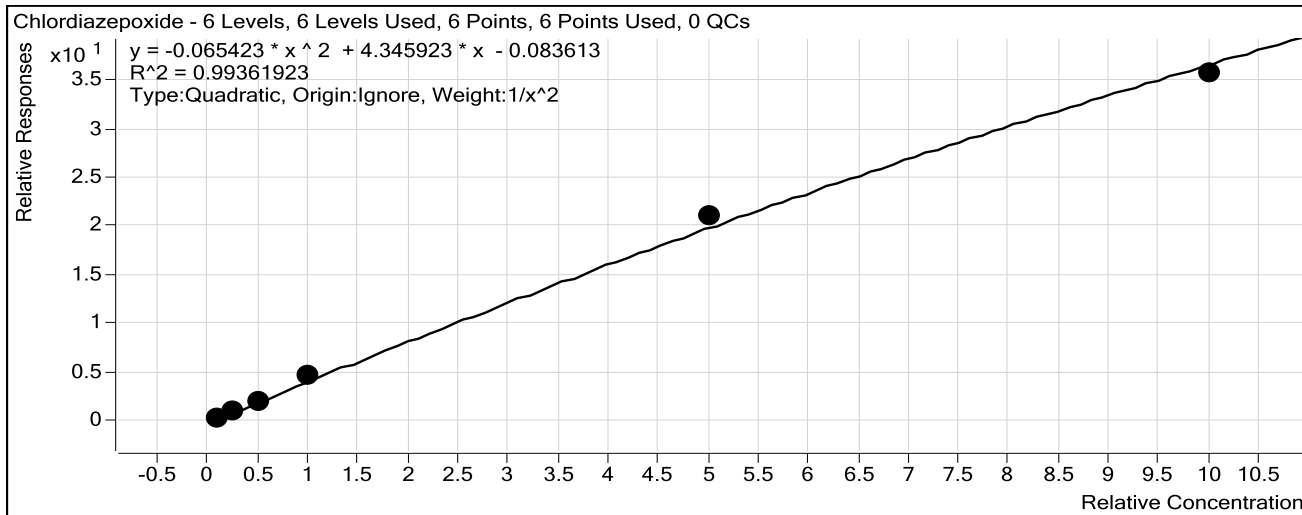
Last Calib Update 5/15/2017 7:53 AM

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	10.3	102.7
25 ng/mL	3	<input checked="" type="checkbox"/>	25	23.7	94.9
50 ng/mL	4	<input checked="" type="checkbox"/>	50	45.9	91.8
100 ng/mL	5	<input checked="" type="checkbox"/>	100	108.8	108.8
500 ng/mL	6	<input checked="" type="checkbox"/>	500	526.5	105.3
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	963.2	96.3

ISP Forensics Calibration Curve Report

CS

Batch Data Path C:\MassHunter\Data\2016\Combined\051217 CS\QuantResults\051217 CS Benzo.batch.bin

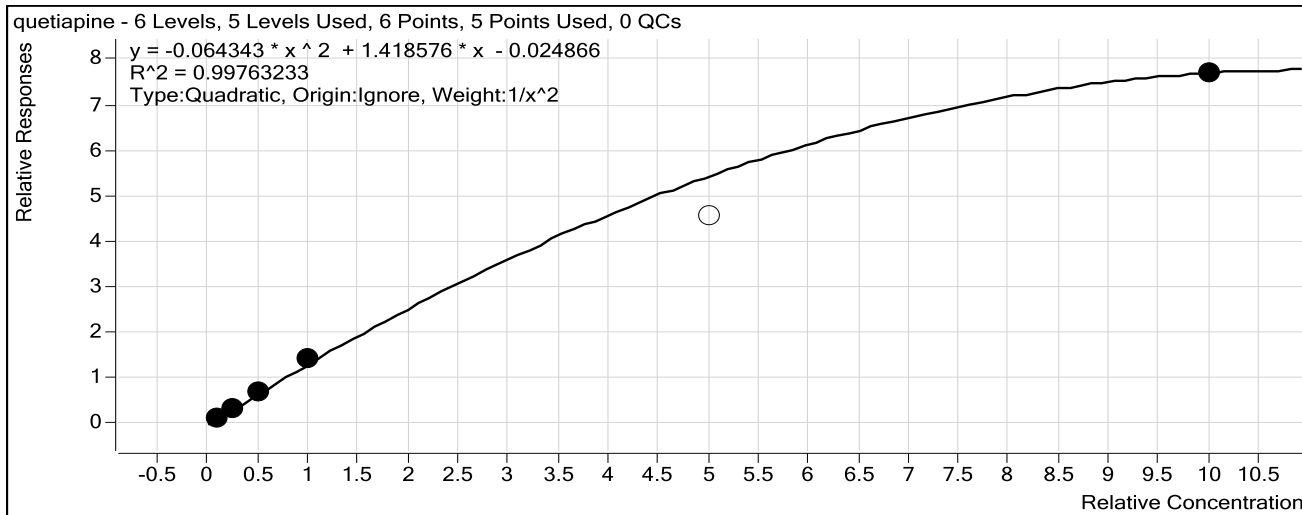
Last Calib Update 5/15/2017 7:53 AM

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 checked="" type="checkbox"/>	10	10.2	101.6
25 ng/mL	3	<input checked="" type="checkbox"/>	25	23.9	95.5
50 ng/mL	4	<input checked="" type="checkbox"/>	50	49.3	98.7
100 ng/mL	5	<input checked="" type="checkbox"/>	100	104.8	104.8
500 ng/mL	6	<input type="checkbox"/>	500	391.8	78.4
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	973.5	97.3

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2016\Combined\051217 CS\QuantResults\051217 CS Benzo.batch.bin

Last Calib Update 5/15/2017 7:53 AM

Analyst Name

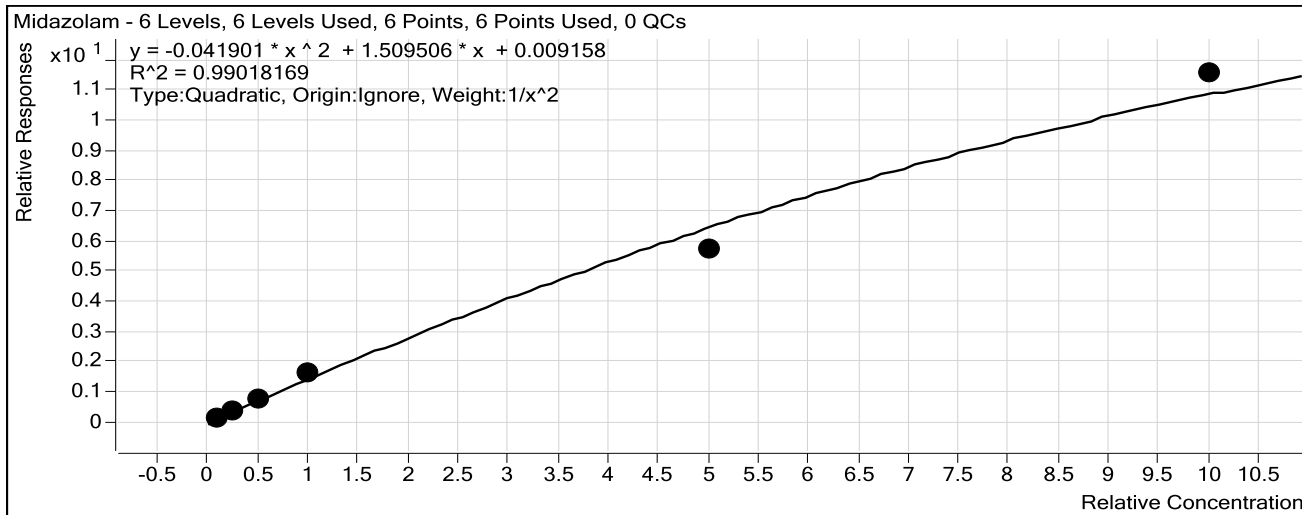
ISP TOX

Target Compound

Midazolam

Internal Standard

Clonazepam-D4 ISTD



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	10.1	100.8
25 ng/mL	3	<input checked="" type="checkbox"/>	25	24.3	97.0
50 ng/mL	4	<input checked="" type="checkbox"/>	50	48.4	96.7
100 ng/mL	5	<input checked="" type="checkbox"/>	100	112.0	112.0
500 ng/mL	6	<input checked="" type="checkbox"/>	500	430.7	86.1
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	1101.6	110.2

ISP Forensics Calibration Curve Report

CS

Batch Data Path C:\MassHunter\Data\2016\Combined\051217 CS\QuantResults\051217 CS Benzo.batch.bin

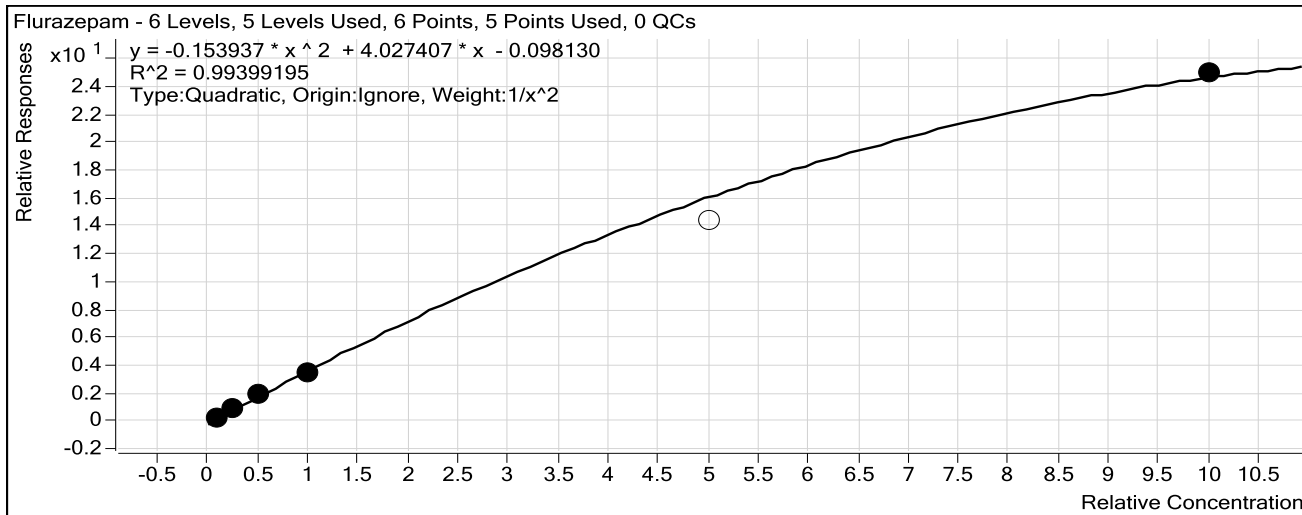
Last Calib Update 5/15/2017 7:53 AM

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	9.7	97.3
25 ng/mL	3	<input checked="" type="checkbox"/>	25	27.0	108.1
50 ng/mL	4	<input checked="" type="checkbox"/>	50	50.5	100.9
100 ng/mL	5	<input checked="" type="checkbox"/>	100	92.9	92.9
500 ng/mL	6	<input type="checkbox"/>	500	431.7	86.3
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	1019.3	101.9

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2016\Combined\051217 CS\QuantResults\051217 CS Benzo.batch.bin

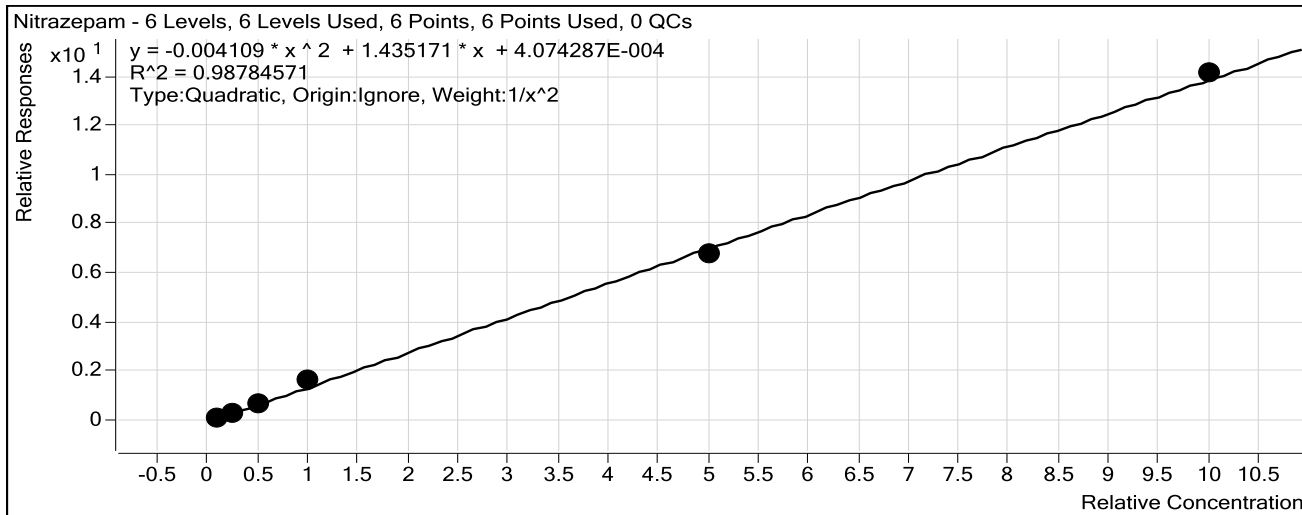
Last Calib Update 5/15/2017 7:53 AM

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	10.4	103.8
25 ng/mL	3	<input checked="" type="checkbox"/>	25	22.4	89.8
50 ng/mL	4	<input checked="" type="checkbox"/>	50	47.0	93.9
100 ng/mL	5	<input checked="" type="checkbox"/>	100	115.8	115.8
500 ng/mL	6	<input checked="" type="checkbox"/>	500	477.3	95.5
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	1012.2	101.2

ISP Forensics Calibration Curve Report

CS

Batch Data Path C:\MassHunter\Data\2016\Combined\051217 CS\QuantResults\051217 CS Benzo.batch.bin

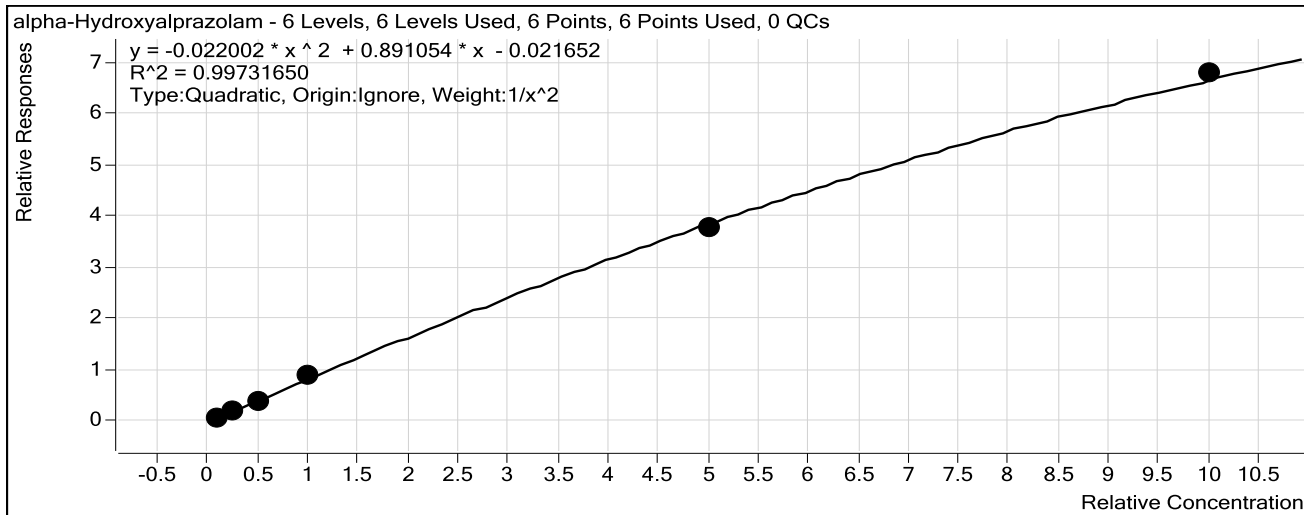
Last Calib Update 5/15/2017 7:53 AM

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	9.9	99.1
25 ng/mL	3	<input checked="" type="checkbox"/>	25	26.1	104.2
50 ng/mL	4	<input checked="" type="checkbox"/>	50	47.0	94.1
100 ng/mL	5	<input checked="" type="checkbox"/>	100	104.2	104.2
500 ng/mL	6	<input checked="" type="checkbox"/>	500	482.9	96.6
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	1021.8	102.2

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2016\Combined\051217 CS\QuantResults\051217 CS Benzo.batch.bin

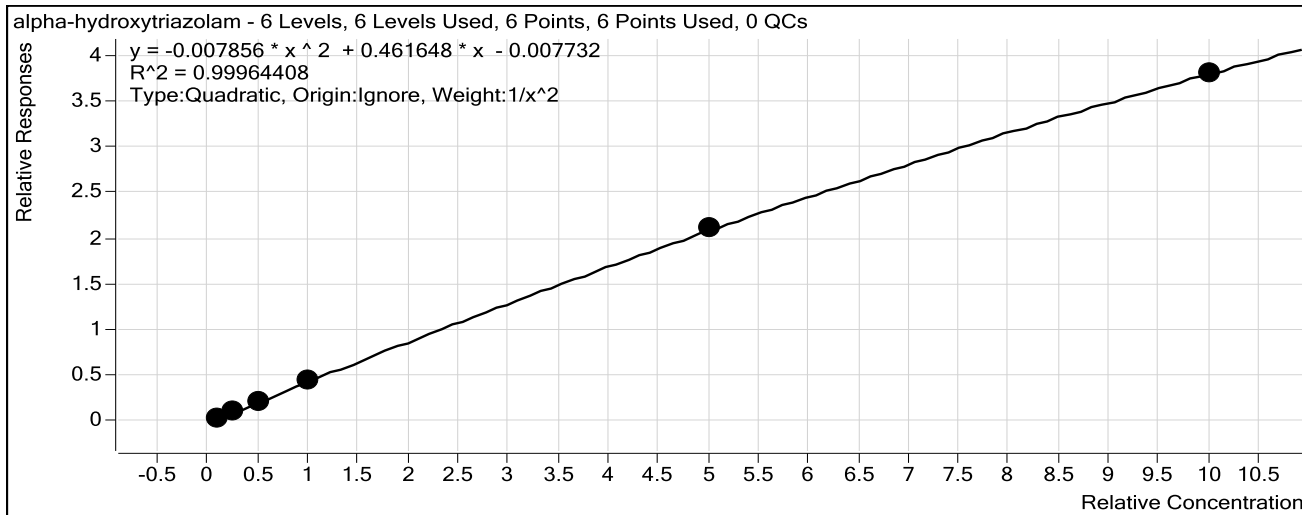
Last Calib Update 5/15/2017 7:53 AM

Analyst Name

ISP TOX

Target Compound *alpha-hydroxytriazolam*

Internal Standard *Nordiazepam-D5 ISTD*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	10.1	100.5
25 ng/mL	3	<input checked="" type="checkbox"/>	25	24.8	99.1
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	502.5	100.5
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	995.2	99.5

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2016\Combined\051217 CS\QuantResults\051217 CS Benzo.batch.bin

Last Calib Update 5/15/2017 7:53 AM

Analyst Name

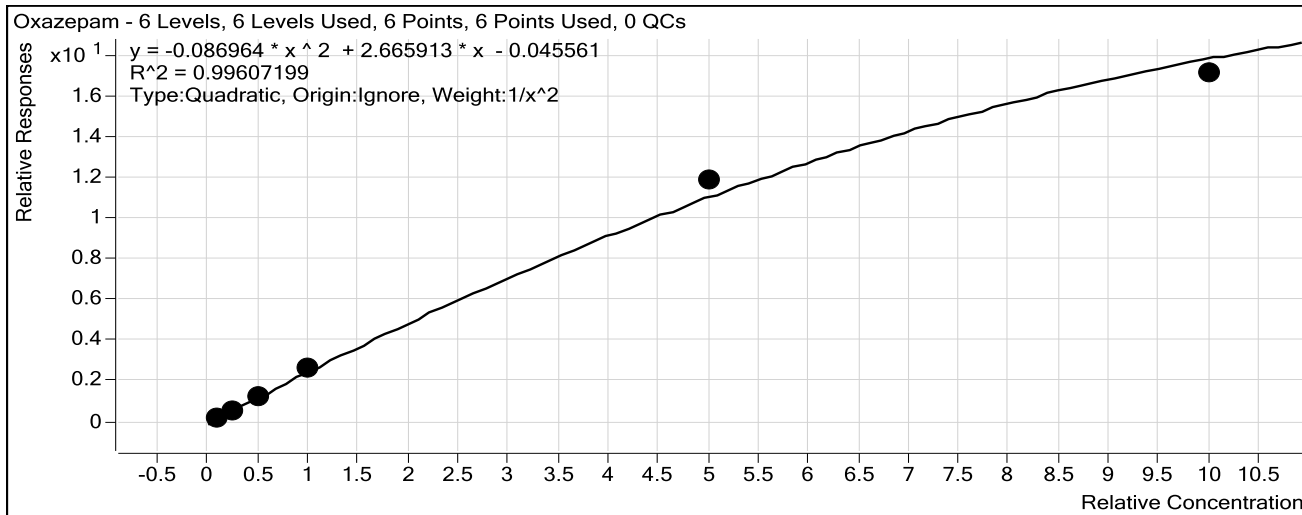
ISP TOX

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	10.2	102.5
25 ng/mL	3	<input checked="" type="checkbox"/>	25	23.5	94.2
50 ng/mL	4	<input checked="" type="checkbox"/>	50	48.5	97.0
100 ng/mL	5	<input checked="" type="checkbox"/>	100	103.4	103.4
500 ng/mL	6	<input checked="" type="checkbox"/>	500	545.7	109.1
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	918.0	91.8

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2016\Combined\051217 CS\QuantResults\051217 CS Benzo.batch.bin

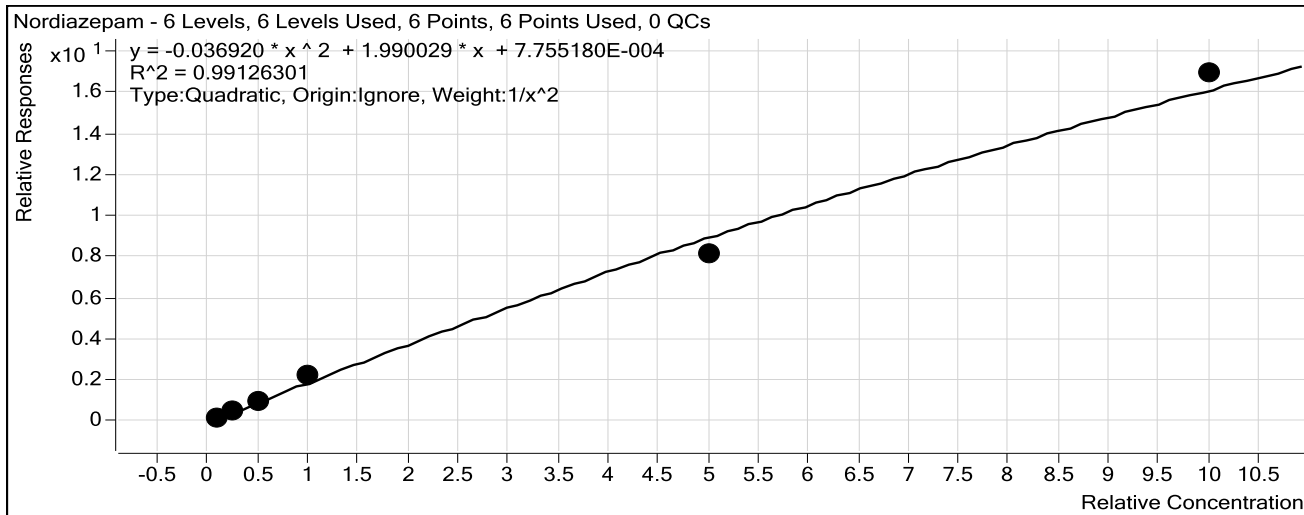
Last Calib Update 5/15/2017 7:53 AM

Analyst Name

ISP TOX

Target Compound Nordiazepam

Internal Standard Nordiazepam-D5 ISTD



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ngmL	2	<input checked="" type="checkbox"/>	10	10.0	100.4
25 ngmL	3	<input checked="" type="checkbox"/>	25	24.9	99.4
50 ngmL	4	<input checked="" type="checkbox"/>	50	46.9	93.8
100 ngmL	5	<input checked="" type="checkbox"/>	100	112.0	112.0
500 ngmL	6	<input checked="" type="checkbox"/>	500	446.0	89.2
1000 ngmL	7	<input checked="" type="checkbox"/>	1000	1058.5	105.8

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2016\Combined\051217 CS\QuantResults\051217 CS Benzo.batch.bin

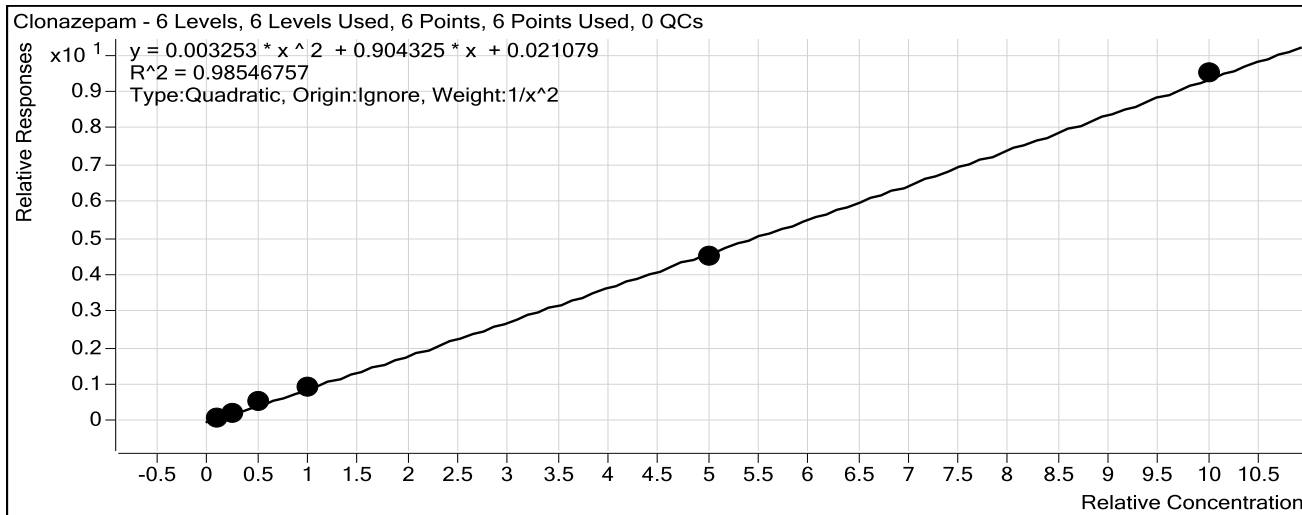
Last Calib Update 5/15/2017 7:53 AM

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	10.4	103.9
25 ng/mL	3	<input checked="" type="checkbox"/>	25	20.8	83.0
50 ng/mL	4	<input checked="" type="checkbox"/>	50	57.4	114.8
100 ng/mL	5	<input checked="" type="checkbox"/>	100	100.2	100.2
500 ng/mL	6	<input checked="" type="checkbox"/>	500	485.0	97.0
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	1010.9	101.1

ISP Forensics Calibration Curve Report

CS

Batch Data Path C:\MassHunter\Data\2016\Combined\051217 CS\QuantResults\051217 CS Benzo.batch.bin

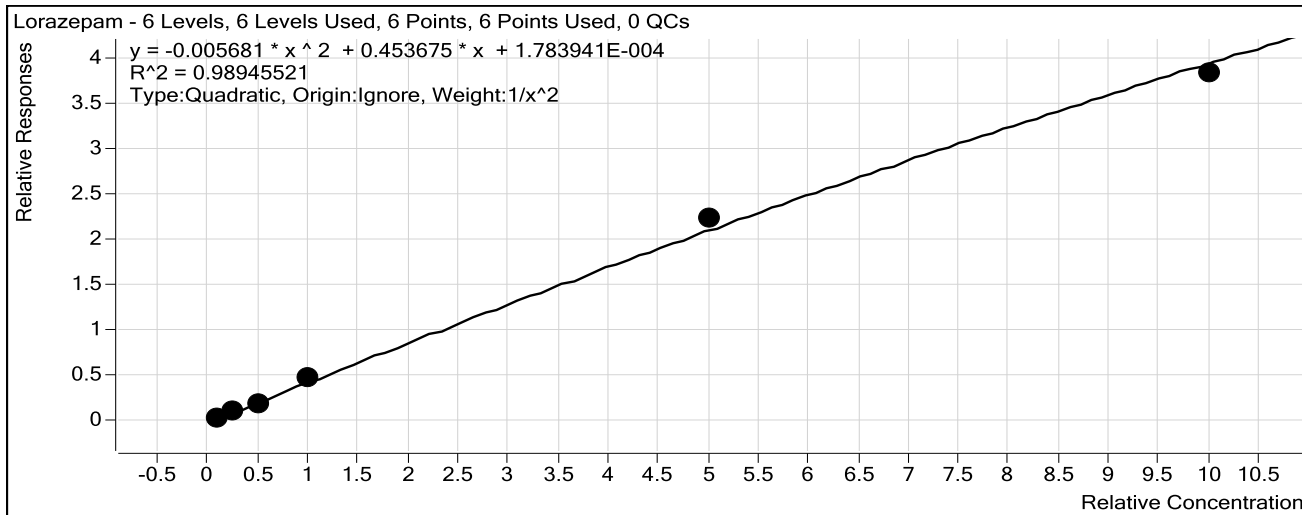
Last Calib Update 5/15/2017 7:53 AM

Analyst Name

ISP TOX

Target Compound Lorazepam

Internal Standard Nordiazepam-D5 ISTD



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	10.2	101.7
25 ng/mL	3	<input checked="" type="checkbox"/>	25	25.0	100.1
50 ng/mL	4	<input checked="" type="checkbox"/>	50	42.9	85.8
100 ng/mL	5	<input checked="" type="checkbox"/>	100	110.1	110.1
500 ng/mL	6	<input checked="" type="checkbox"/>	500	531.4	106.3
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	959.8	96.0

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2016\Combined\051217 CS\QuantResults\051217 CS Benzo.batch.bin

Last Calib Update 5/15/2017 7:53 AM

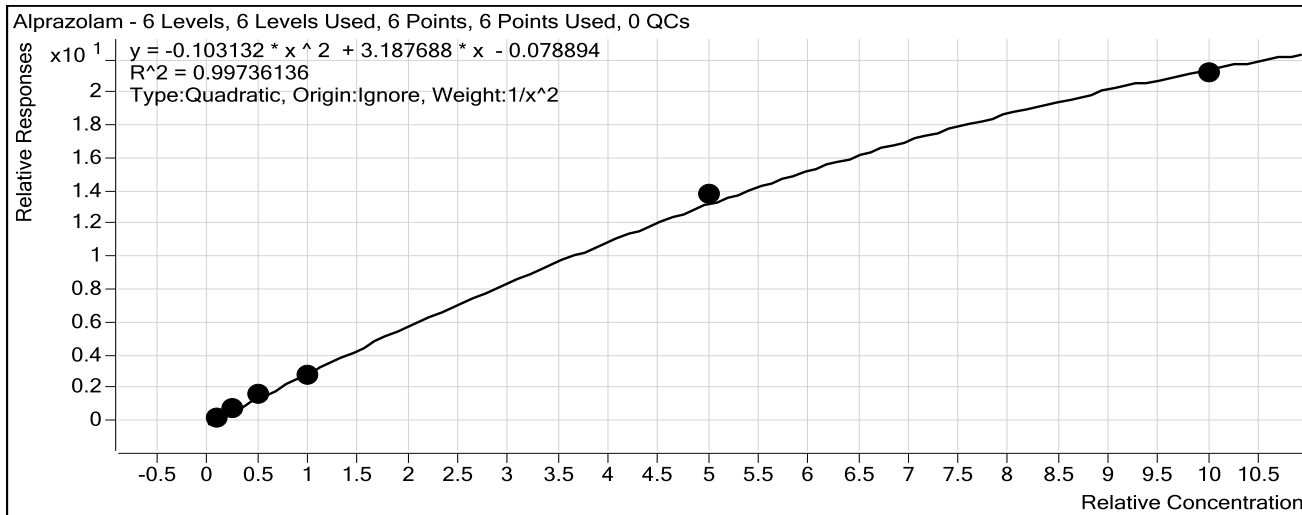
Analyst Name

ISP TOX

Target Compound Alprazolam

Internal Standard

alphahydroxyalprazolam-D5 ISTD



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	10.0	99.6
25 ng/mL	3	<input checked="" type="checkbox"/>	25	25.0	100.0
50 ng/mL	4	<input checked="" type="checkbox"/>	50	52.4	104.8
100 ng/mL	5	<input checked="" type="checkbox"/>	100	93.4	93.4
500 ng/mL	6	<input checked="" type="checkbox"/>	500	521.5	104.3
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	970.9	97.1

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2016\Combined\051217 CS\QuantResults\051217 CS Benzo.batch.bin

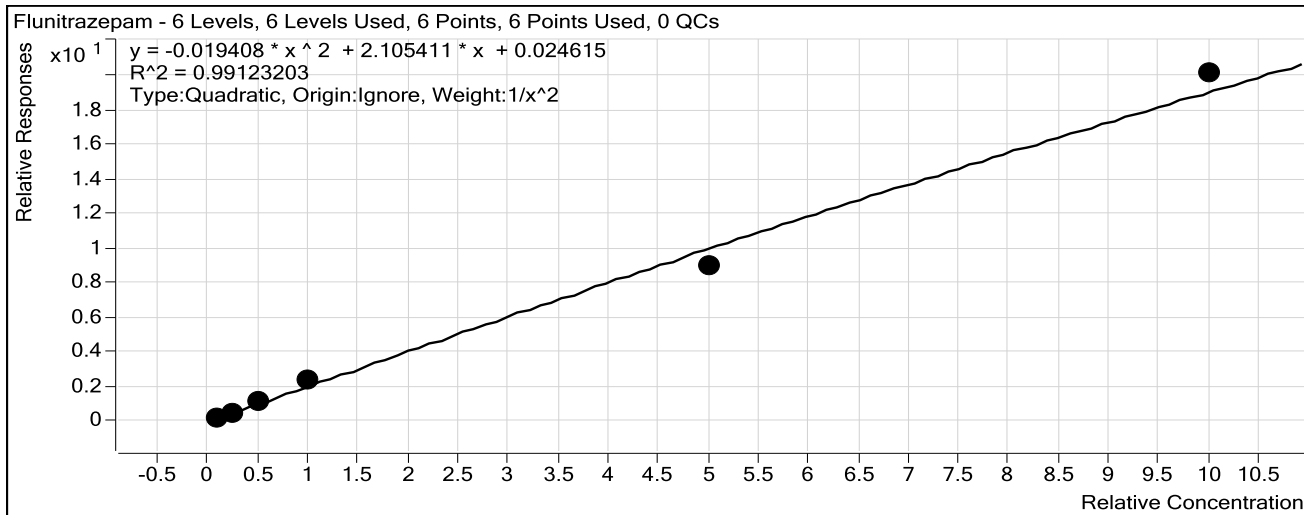
Last Calib Update 5/15/2017 7:53 AM

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	10.1	101.5
25 ng/mL	3	<input checked="" type="checkbox"/>	25	23.5	93.9
50 ng/mL	4	<input checked="" type="checkbox"/>	50	50.2	100.5
100 ng/mL	5	<input checked="" type="checkbox"/>	100	110.7	110.7
500 ng/mL	6	<input checked="" type="checkbox"/>	500	440.7	88.1
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	1055.2	105.5

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2016\Combined\051217 CS\QuantResults\051217 CS Benzo.batch.bin

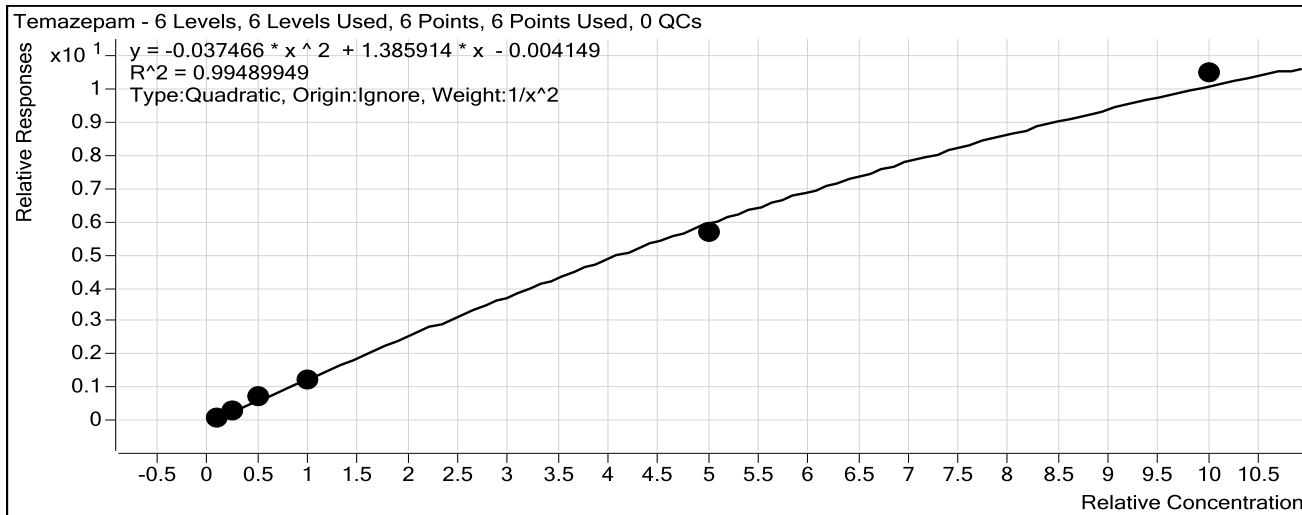
Last Calib Update 5/15/2017 7:53 AM

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	9.9	98.6
25 ng/mL	3	<input checked="" type="checkbox"/>	25	25.2	100.8
50 ng/mL	4	<input checked="" type="checkbox"/>	50	54.5	109.0
100 ng/mL	5	<input checked="" type="checkbox"/>	100	93.7	93.7
500 ng/mL	6	<input checked="" type="checkbox"/>	500	469.1	93.8
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	1054.9	105.5

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2016\Combined\051217 CS\QuantResults\051217 CS Benzo.batch.bin

Last Calib Update 5/15/2017 7:53 AM

Analyst Name

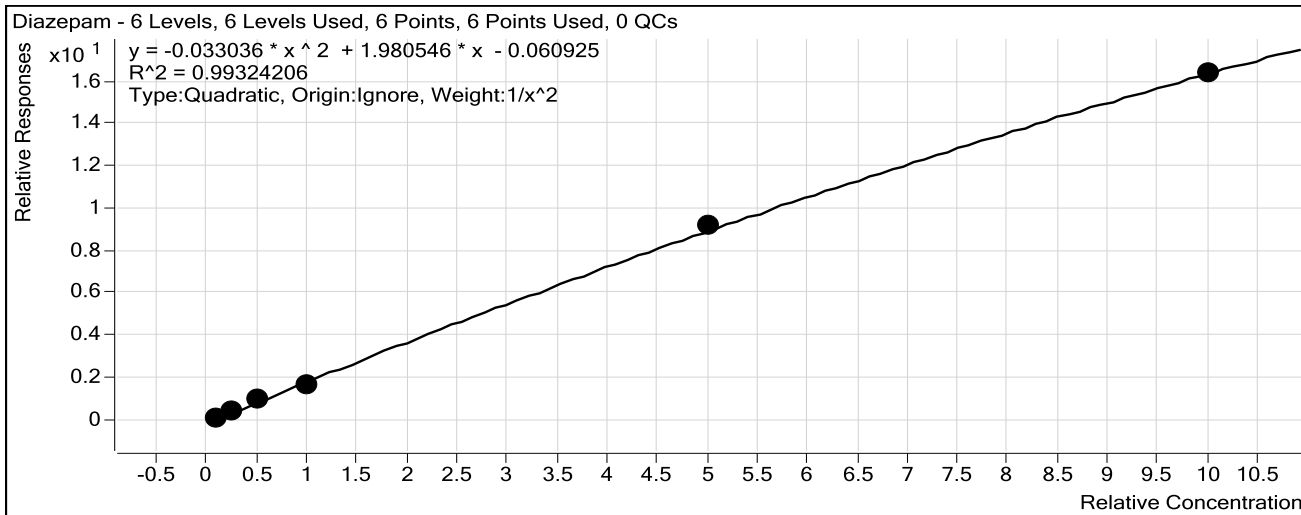
ISP TOX

Target Compound

Diazepam

Internal Standard

Diazepam-D5 ISTD



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	9.7	97.3
25 ng/mL	3	<input checked="" type="checkbox"/>	25	26.7	106.9
50 ng/mL	4	<input checked="" type="checkbox"/>	50	52.6	105.2
100 ng/mL	5	<input checked="" type="checkbox"/>	100	88.6	88.6
500 ng/mL	6	<input checked="" type="checkbox"/>	500	512.8	102.6
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	994.6	99.5

Pocatello

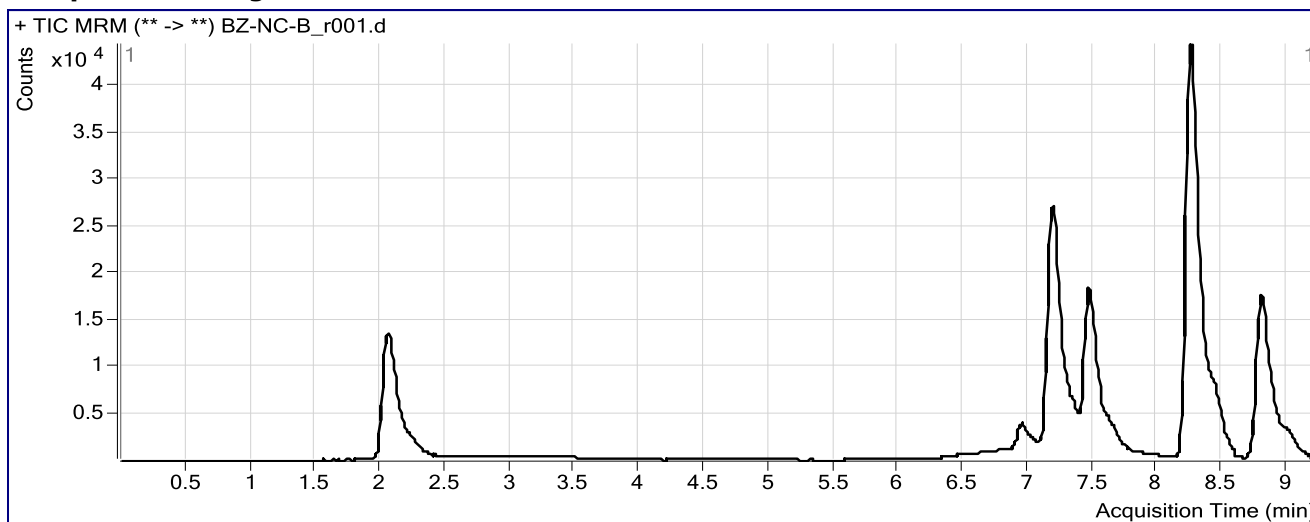
Benzodiazepine Analysis Report

Batch Data Path	C:\MassHunter\Data\2016\Combined\051217 CS\QuantResults\051217 CS Benzo.batch.bin		
Analysis Time	5/15/2017 7:53 AM	Analyst Name	ISPUser
Report Time	5/15/2017 7:56 AM	Reporter Name	ISPUser
Last Calib Update	5/15/2017 7:53 AM	Batch State	Processed

Analysis Info

Acq Time	2017-05-12 17:56	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



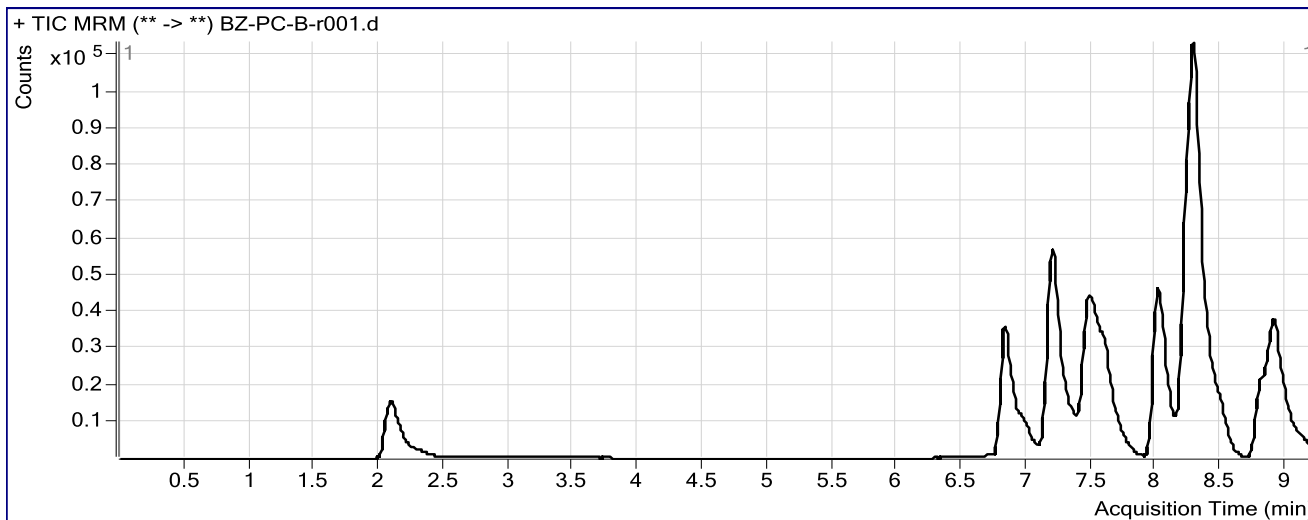
ISP FORENSICS Pocatello Benzodiazepine Analysis Report

Batch Data Path C:\MassHunter\Data\2016\Combined\051217 CS\QuantResults\051217 CS Benzo.batch.bin
Analysis Time 5/15/2017 7:53 AM **Analyst Name** ISPUser
Report Time 5/15/2017 7:57 AM **Reporter Name** ISPUser
Last Calib Update 5/15/2017 7:53 AM **Batch State** Processed

Analysis Info

Acq Time 2017-05-12 18:12 **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



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Nitrazepam	Clonazepam-D4 ISTD	6.823	166435	105530	1.5771	110.2111
Oxazepam	Nordiazepam-D5 ISTD	7.202	109633	77499	1.4146	55.7883
Clonazepam	Clonazepam-D4 ISTD	7.485	121244	105530	1.1489	124.1602
Lorazepam	Nordiazepam-D5 ISTD	7.534	18781	77499	0.2423	53.7387
Alprazolam	alphahydroxyalprazolam-D5 ISTD	7.596	65582	14691	4.4643	149.7797
Flunitrazepam	Clonazepam-D4 ISTD	8.001	228406	105530	2.1644	102.6020
Temazepam	Temazepam-D5 ISTD	8.282	466878	325366	1.4349	106.9272
Diazepam	Diazepam-D5 ISTD	8.900	190114	107069	1.7756	94.2095