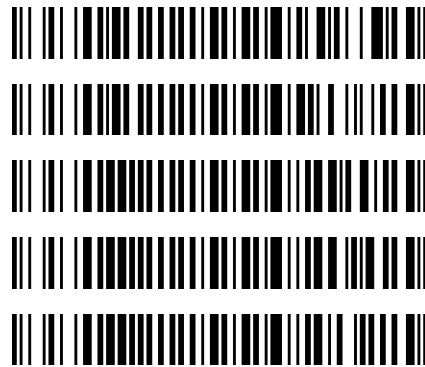


Worklist: 1088

<u>LAB_CASE</u>	<u>ITEM</u>	<u>TASK_ID</u>	<u>DESCRIPTION</u>
M2015-4790	1	54972	6.1.1 Blood LCMS-QQQ Benzoc
M2016-0078	1	54976	6.1.1 Blood LCMS-QQQ Benzoc
P2016-0060	1	54981	6.1.1 Blood LCMS-QQQ Benzoc
P2016-0061	1	54982	6.1.1 Blood LCMS-QQQ Benzoc
P2016-0064	1	54983	6.1.1 Blood LCMS-QQQ Benzoc



Reviewed 4/29/16

A handwritten signature in green ink, consisting of a large, stylized loop followed by a horizontal line extending to the right.

Worklist Report

Worklist Path:	C:\MassHunter\ISP Methods\worklists\CS Combined 041516.wkl
Date Modified:	04/16/2016 11:11:59 AM
Date Printed:	04/20/2016 11:00:33 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\041516 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.m	Blank1-r000.d	Blank		AM 6.1.2 Cannabinoids by LCQQQ	
P2-A1	Blank	isp blood cannabinoids Poky 2016.m	Blank1-r001.d	Blank		AM 6.1.2 Cannabinoids by LCQQQ	
P2-A1	Blank	isp blood cannabinoids Poky 2016.m	Blank2-r001.d	Blank		AM 6.1.2 Cannabinoids by LCQQQ	
P2-A2	Blood: 1_5 ng/mL	isp blood cannabinoids Poky 2016.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.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.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.m	B_CAL4_r001.d	Calibration	4	AM 6.1.2 Cannabinoids by LCQQQ	c-THC @50ng/mL, all others @10 ng/mL

Sample Position	Sample Name	Method	Data File	Sample Type	Level Name	Comment	Info. 
P2-A6	Blood: 25_125 ng/mL	isp blood cannabinoids Poky 2016.m	B_CAL5_r001.d	Calibration	5	AM 6.1.2 Cannabinoids by LCQQQ	c-THC @125ng/mL, all others @25 ng/mL
P2-A7	Blood: 50_250 ng/mL	isp blood cannabinoids Poky 2016.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 ng/mL	isp blood cannabinoids Poky 2016.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.m	Carryover blank1_r001.d	Blank		AM 6.1.2 Cannabinoids by LCQQQ	
P2-A9	Blood Negative Control	isp blood cannabinoids Poky 2016.m	B-NC-r001.d	Sample		AM 6.1.2 Cannabinoids by LCQQQ	Negative Blood UTAK Lot B0689
P2-B1	Blood 3_15ng/mL	isp blood cannabinoids Poky 2016.m	B-3_15-r001.d	Sample		AM 6.1.2 Cannabinoids by LCQQQ	c-THC @15ng/mL, all others @3 ng/mL
P2-A9	Blank M2015- 4789-1	isp blood cannabinoids Poky 2016.m	M2015- 4789-1_BLK_r001.d	Blank		AM 6.1.2 Cannabinoids by LCQQQ	
P2-B2	M2015- 4789-1	isp blood cannabinoids Poky 2016.m	M2015-4789-1- r001.d	Sample		AM 6.1.2 Cannabinoids by LCQQQ	Blood
P2-A9	Blank M2015- 4790-1	isp blood cannabinoids Poky 2016.m	M2015- 4790-1_BLK_r001.d	Blank		AM 6.1.2 Cannabinoids by LCQQQ	
P2-B3	M2015- 4790-1	isp blood cannabinoids Poky 2016.m	M2015-4790-1- r001.d	Sample		AM 6.1.2 Cannabinoids by LCQQQ	Blood
P2-A9	Blank M2015- 4837-1	isp blood cannabinoids Poky 2016.m	M2015- 4837-1_BLK_r001.d	Blank		AM 6.1.2 Cannabinoids by LCQQQ	
P2-B4	M2015- 4837-1	isp blood cannabinoids Poky 2016.m	M2015-4837-1- r001.d	Sample		AM 6.1.2 Cannabinoids by LCQQQ	Blood
P2-A9	Blank M2016- 0078-1	isp blood cannabinoids Poky 2016.m	M2016- 0078-1_BLK_r001.d	Blank		AM 6.1.2 Cannabinoids by LCQQQ	
P2-B5	M2016- 0078-1	isp blood cannabinoids Poky 2016.m	M2016-0078-1- r001.d	Sample		AM 6.1.2 Cannabinoids by LCQQQ	Blood
P2-A9	Blank P2016- 0031-1	isp blood cannabinoids Poky 2016.m	P2016- 0031-1_BLK_r001.d	Blank		AM 6.1.2 Cannabinoids by LCQQQ	
P2-B6	P2016- 0031-1	isp blood cannabinoids Poky 2016.m	P2016-0031-1- r001.d	Sample		AM 6.1.2 Cannabinoids by LCQQQ	Blood
P2-A1	Blank	isp blood cannabinoids Poky 2016.m	cann-Carryover blank2_r001.d	Blank		AM 6.1.2 Cannabinoids by LCQQQ	
P2-C3	Blood 25_125ng/mL	isp blood cannabinoids Poky 2016.m	cann-B-25_125- r001.d	Sample		AM 6.1.2 Cannabinoids by LCQQQ	c-THC @125ng/mL, all others @25 ng/mL
P2-A9	Blank P2016- 0057-1	isp blood cannabinoids Poky 2016.m	P2016- 0057-1_BLK_r001.d	Blank		AM 6.1.2 Cannabinoids by LCQQQ	
P2-B7	P2016- 0057-1	isp blood cannabinoids Poky 2016.m	P2016-0057-1- r001.d	Sample			Blood

Sample Position	Sample Name	Method	Data File	Sample Type	Level Name	Comment	Info. 
						AM 6.1.2 Cannabinoids by LCQQQ	
P2-A9	Blank P2016-0060-1	isp blood cannabinoids Poky 2016.m	P2016-0060-1_BLK_r001.d	Blank		AM 6.1.2 Cannabinoids by LCQQQ	
P2-B8	P2016-0060-1	isp blood cannabinoids Poky 2016.m	P2016-0060-1-r001.d	Sample		AM 6.1.2 Cannabinoids by LCQQQ	Blood
P2-A9	Blank P2016-0064-1	isp blood cannabinoids Poky 2016.m	P2016-0064-1_BLK_r001.d	Blank		AM 6.1.2 Cannabinoids by LCQQQ	
P2-B9	P2016-0064-1	isp blood cannabinoids Poky 2016.m	P2016-0064-1-r001.d	Sample		AM 6.1.2 Cannabinoids by LCQQQ	Blood
P2-A9	Blank P2016-0144-1	isp blood cannabinoids Poky 2016.m	P2016-0144-1_BLK_r001.d	Blank		AM 6.1.2 Cannabinoids by LCQQQ	
P2-C1	P2016-0144-1	isp blood cannabinoids Poky 2016.m	P2016-0144-1-r001.d	Sample		AM 6.1.2 Cannabinoids by LCQQQ	Blood
P2-A1	Blank	isp blood cannabinoids Poky 2016.m	Blank3-r001.d	Blank		AM 6.1.2 Cannabinoids by LCQQQ	Blood
P1-F9	Blank	Benzos_Z_Drugs_ACN_FA_ISP_2015.m	BZ-Blank1-r001.d	Blank		AM 6.1.2 Cannabinoids by LCQQQ	Blood
P1-F9	Blank	Benzos_Z_Drugs_ACN_FA_ISP_2015.m	BZ-Blank2-r001.d	Blank		AM 6.1.2 Cannabinoids by LCQQQ	Blood
P1-F8	5 ng/mL	Benzos_Z_Drugs_ACN_FA_ISP_2015.m	BZ-5 ng/mL-r001.d	Calibration	1	AM 6.1.2 Cannabinoids by LCQQQ	Blood
P1-F7	10 ng/mL	Benzos_Z_Drugs_ACN_FA_ISP_2015.m	BZ-10 ng/mL-r001.d	Calibration	2	AM 6.1.1 Benzo and Z by LCQQQ	
P1-F6	25 ng/mL	Benzos_Z_Drugs_ACN_FA_ISP_2015.m	BZ-25 ng/mL_r001.d	Calibration	3	AM 6.1.1 Benzo and Z by LCQQQ	
P1-F5	50 ng/mL	Benzos_Z_Drugs_ACN_FA_ISP_2015.m	BZ-50 ng/mL_r001.d	Calibration	4	AM 6.1.1 Benzo and Z by LCQQQ	
P1-F4	100 ng/mL	Benzos_Z_Drugs_ACN_FA_ISP_2015.m	BZ-100 ng/mL_r001.d	Calibration	5	AM 6.1.1 Benzo and Z by LCQQQ	
P1-F3	500 ng/mL	Benzos_Z_Drugs_ACN_FA_ISP_2015.m	BZ-500 ng/mL_r001.d	Calibration	6	AM 6.1.1 Benzo and Z by LCQQQ	
P1-F2	1000 ng/mL	Benzos_Z_Drugs_ACN_FA_ISP_2015.m	BZ-1000 ng/mL_r001.d	Calibration	7	AM 6.1.1 Benzo and Z by LCQQQ	
P1-F1	3000 ng/mL	Benzos_Z_Drugs_ACN_FA_ISP_2015.m	BZ-3000 ng/mL_r001.d	Calibration	8	AM 6.1.1 Benzo and Z by LCQQQ	
P1-F9	Blank	Benzos_Z_Drugs_ACN_FA_ISP_2015.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_2015.m	BZ-NC-B_r001.d	Sample		AM 6.1.1 Benzo and Z by LCQQQ	UTAK Negative Whole Blood LOT B0689
P1-E8	Positive Blood Control	Benzos_Z_Drugs_ACN_FA_ISP_2015.m	BZ-PC-B-r001.d	Sample		AM 6.1.1 Benzo and Z by LCQQQ	200 ng/mL Benzodiazepines Mix Cerilliant lot

Sample Position	Sample Name	Method	Data File	Sample Type	Level Name	Comment	Info. ۞
							FE012413-02 in neg LOT B0430 B0689
P1-E9	Blank - M2015-4790-1	Benzos_Z_Drugs_ACN_FA_ISP_2015.m	BZ-Carryover blank-M2015-4790-1_r001.d	Blank		AM 6.1.1 Benzo and Z by LCQQQ	
P1-E7	M2015-4790-1	Benzos_Z_Drugs_ACN_FA_ISP_2015.m	BZ-M2015-4790-1-r001.d	Sample		AM 6.1.1 Benzo and Z by LCQQQ	Blood
P1-E9	Blank - M2016-0078-1	Benzos_Z_Drugs_ACN_FA_ISP_2015.m	BZ-Carryover blank-M2016-0078-1_r001.d	Blank		AM 6.1.1 Benzo and Z by LCQQQ	
P1-E6	M2016-0078-1	Benzos_Z_Drugs_ACN_FA_ISP_2015.m	BZ-M2016-0078-1-r001.d	Sample		AM 6.1.1 Benzo and Z by LCQQQ	Blood
P1-E9	Blank - P2016-0060-1	Benzos_Z_Drugs_ACN_FA_ISP_2015.m	BZ-Carryover blank-P2016-0060-1_r001.d	Blank		AM 6.1.1 Benzo and Z by LCQQQ	
P1-E5	P2016-0060-1	Benzos_Z_Drugs_ACN_FA_ISP_2015.m	BZ-P2016-0060-1-r001.d	Sample		AM 6.1.1 Benzo and Z by LCQQQ	Blood
P1-E9	Blank - P2016-0061-1	Benzos_Z_Drugs_ACN_FA_ISP_2015.m	BZ-Carryover blank-P2016-0061-1_r001.d	Blank		AM 6.1.1 Benzo and Z by LCQQQ	
P1-E4	P2016-0061-1	Benzos_Z_Drugs_ACN_FA_ISP_2015.m	BZ-P2016-0061-1-r001.d	Sample		AM 6.1.1 Benzo and Z by LCQQQ	Blood
P1-E9	Blank - P2016-0064-1	Benzos_Z_Drugs_ACN_FA_ISP_2015.m	BZ-Carryover blank-P2016-0064-1_r001.d	Blank		AM 6.1.1 Benzo and Z by LCQQQ	
P1-E3	P2016-0064-1	Benzos_Z_Drugs_ACN_FA_ISP_2015.m	BZ-P2016-0064-1-r001.d	Sample		AM 6.1.1 Benzo and Z by LCQQQ	Blood
P1-F9	Blank	Benzos_Z_Drugs_ACN_FA_ISP_2015.m	BZ-Carryover blank3_r001.d	Blank		AM 6.1.1 Benzo and Z by LCQQQ	

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2016\Combined\041516 CS\QuantResults\BENZ 041516.batch.bin

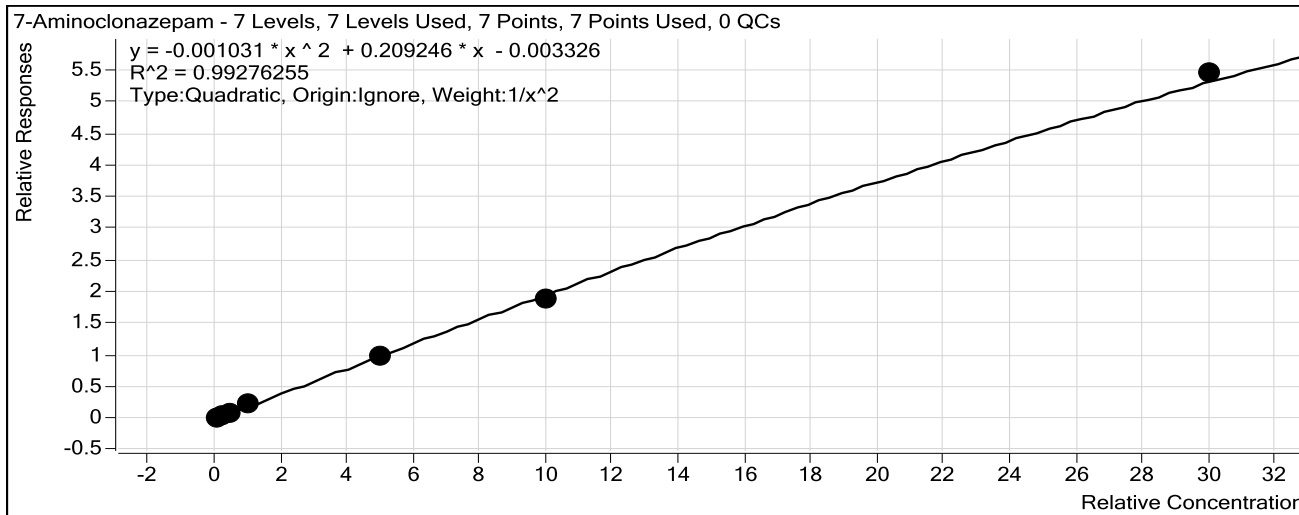
Last Calib Update 4/28/2016 1:41 PM

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	10.2	101.7
25 ng/mL	3	<input checked="" type="checkbox"/>	25	23.7	94.8
50 ng/mL	4	<input checked="" type="checkbox"/>	50	47.7	95.4
100 ng/mL	5	<input checked="" type="checkbox"/>	100	114.7	114.7
500 ng/mL	6	<input checked="" type="checkbox"/>	500	480.2	96.0
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	952.1	95.2
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	3072.8	102.4

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2016\Combined\041516 CS\QuantResults\BENZ 041516.batch.bin

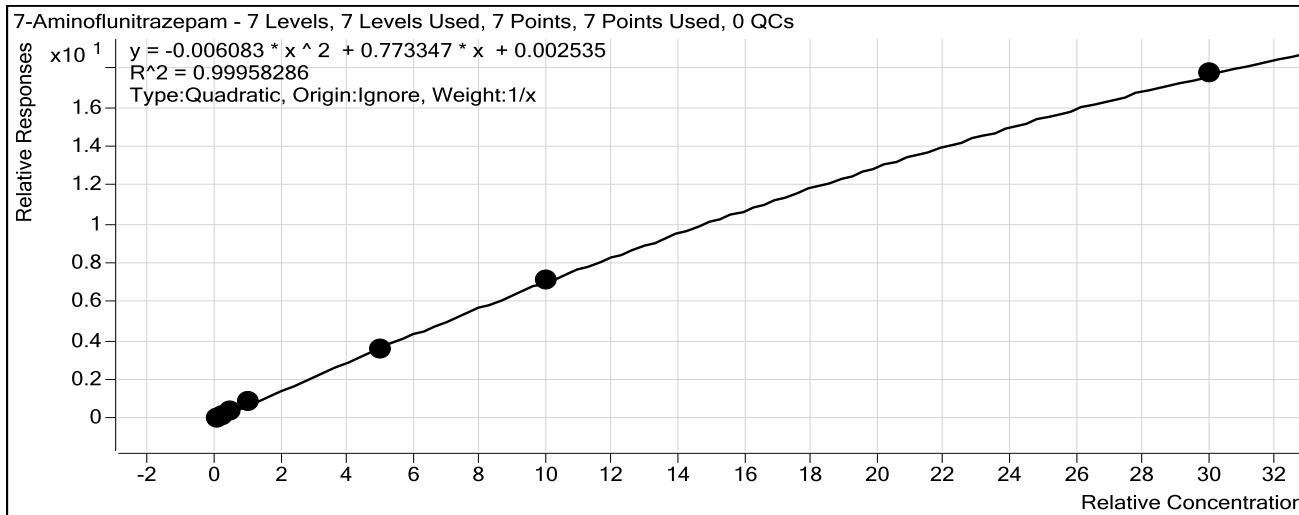
Last Calib Update 4/28/2016 1:41 PM

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	9.5	94.9
25 ng/mL	3	<input checked="" type="checkbox"/>	25	23.5	94.0
50 ng/mL	4	<input checked="" type="checkbox"/>	50	51.9	103.9
100 ng/mL	5	<input checked="" type="checkbox"/>	100	109.4	109.4
500 ng/mL	6	<input checked="" type="checkbox"/>	500	489.0	97.8
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	999.3	99.9
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	3002.9	100.1

ISP Forensics Calibration Curve Report

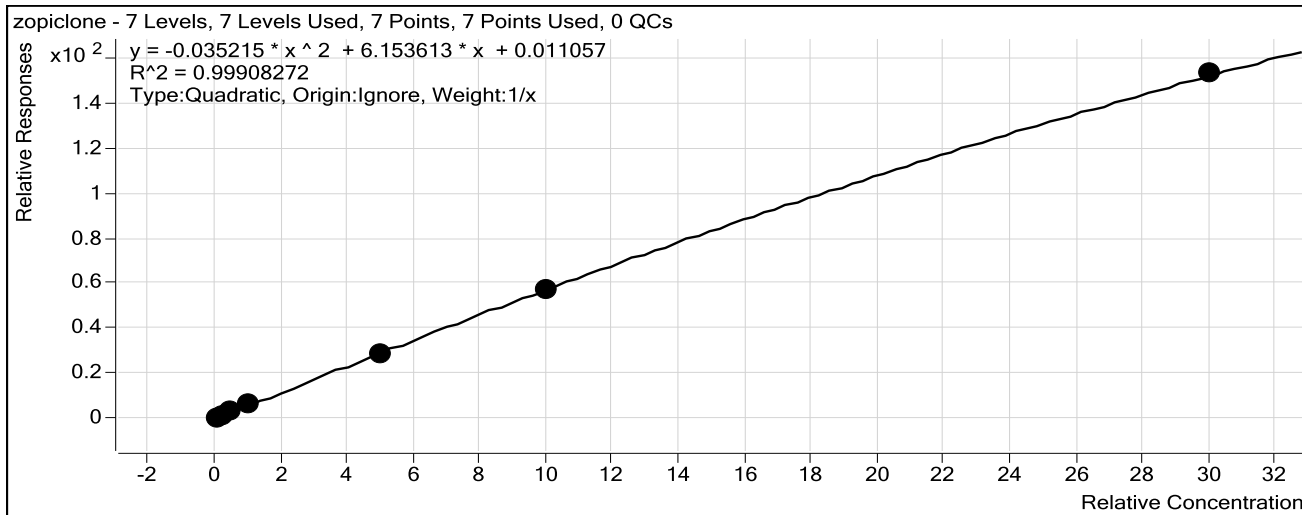
Batch Data Path C:\MassHunter\Data\2016\Combined\041516 CS\QuantResults\BENZ 041516.batch.bin

Last Calib Update 4/28/2016 1:41 PM

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 checked="" type="checkbox"/>	10	8.6	85.6
25 ng/mL	3	<input checked="" type="checkbox"/>	25	23.0	92.1
50 ng/mL	4	<input checked="" type="checkbox"/>	50	56.5	113.1
100 ng/mL	5	<input checked="" type="checkbox"/>	100	112.4	112.4
500 ng/mL	6	<input checked="" type="checkbox"/>	500	487.1	97.4
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	992.0	99.2
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	3006.0	100.2

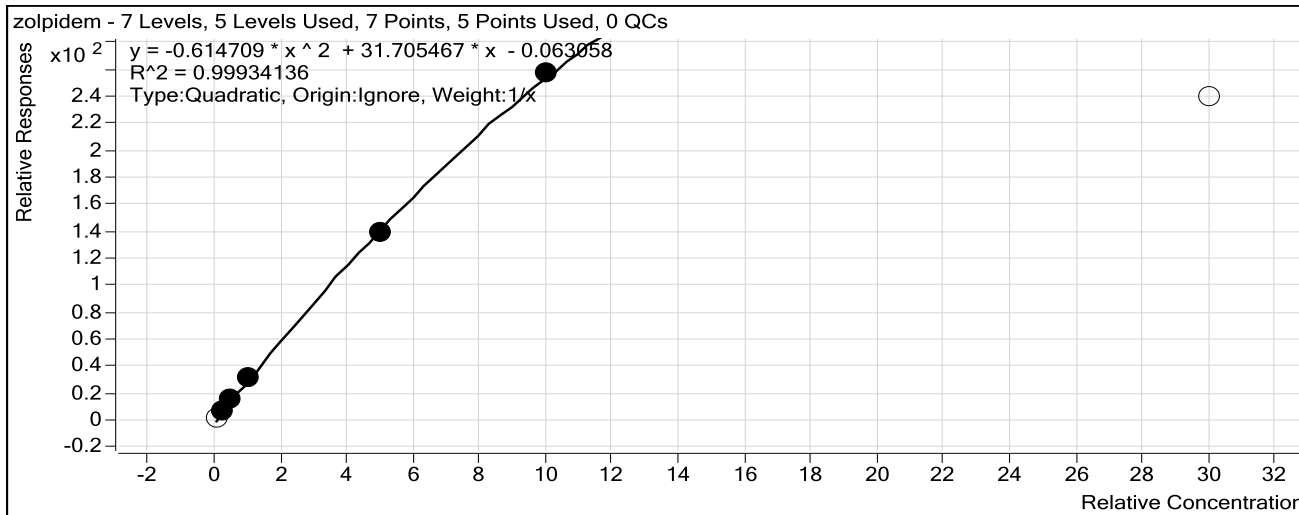
ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2016\Combined\041516 CS\QuantResults\BENZ 041516.batch.bin

Last Calib Update 4/28/2016 1:41 PM

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 type="checkbox"/>	10	8.9	88.6
25 ng/mL	3	<input checked="" type="checkbox"/>	25	23.2	92.8
50 ng/mL	4	<input checked="" type="checkbox"/>	50	51.8	103.6
100 ng/mL	5	<input checked="" type="checkbox"/>	100	105.2	105.2
500 ng/mL	6	<input checked="" type="checkbox"/>	500	489.0	97.8
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	1006.4	100.6
3000 ng/mL	8	<input type="checkbox"/>	3000	918.3	30.6

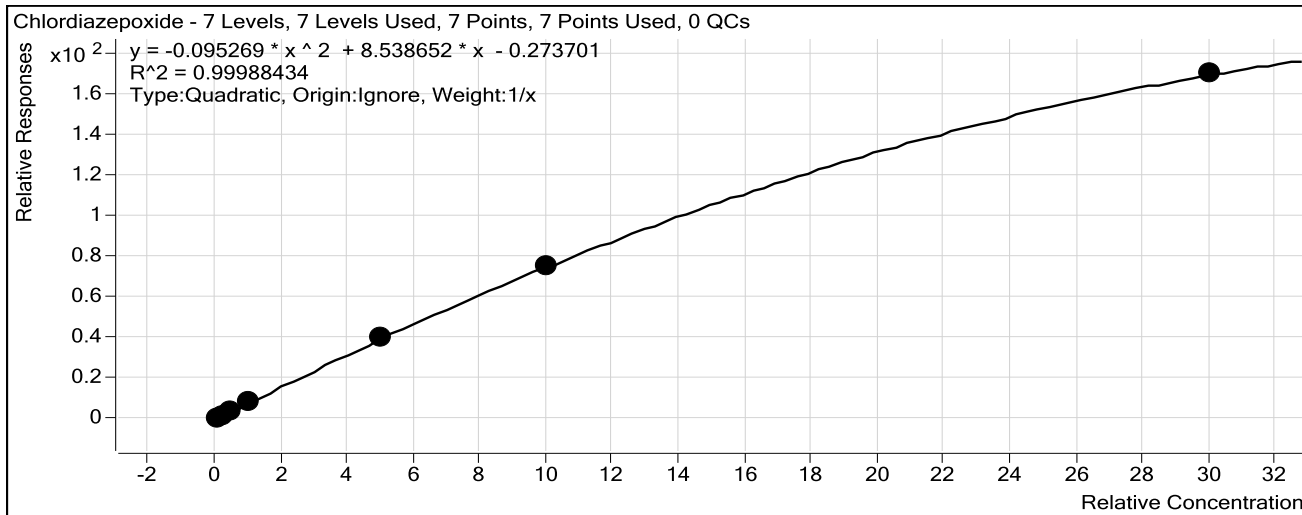
ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2016\Combined\041516 CS\QuantResults\BENZ 041516.batch.bin

Last Calib Update 4/28/2016 1:41 PM

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	10.7	107.0
25 ng/mL	3	<input checked="" type="checkbox"/>	25	22.7	90.9
50 ng/mL	4	<input checked="" type="checkbox"/>	50	51.2	102.4
100 ng/mL	5	<input checked="" type="checkbox"/>	100	99.6	99.6
500 ng/mL	6	<input checked="" type="checkbox"/>	500	499.0	99.8
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	1002.8	100.3
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	2998.3	99.9

ISP Forensics Calibration Curve Report

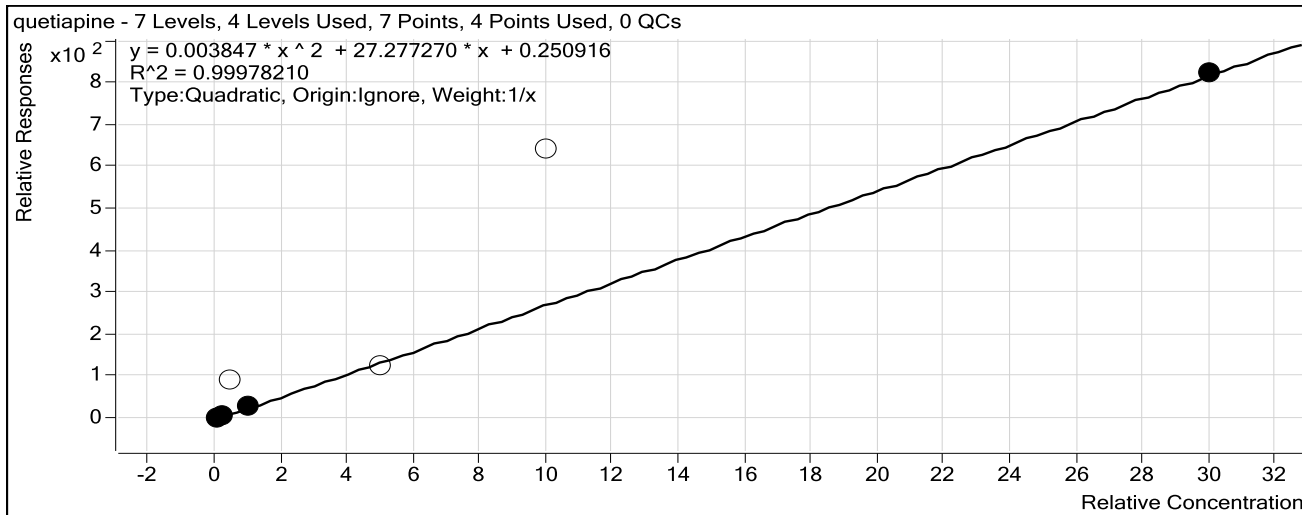
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Last Calib Update 4/28/2016 1:41 PM

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	8.9	88.5
25 ng/mL	3	<input checked="" type="checkbox"/>	25	28.5	113.8
50 ng/mL	4	<input type="checkbox"/>	50	341.4	682.8
100 ng/mL	5	<input checked="" type="checkbox"/>	100	97.6	97.6
500 ng/mL	6	<input type="checkbox"/>	500	463.2	92.6
1000 ng/mL	7	<input type="checkbox"/>	1000	2340.0	234.0
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	3000.1	100.0

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2016\Combined\041516 CS\QuantResults\BENZ 041516.batch.bin

Last Calib Update 4/28/2016 1:41 PM

Analyst Name

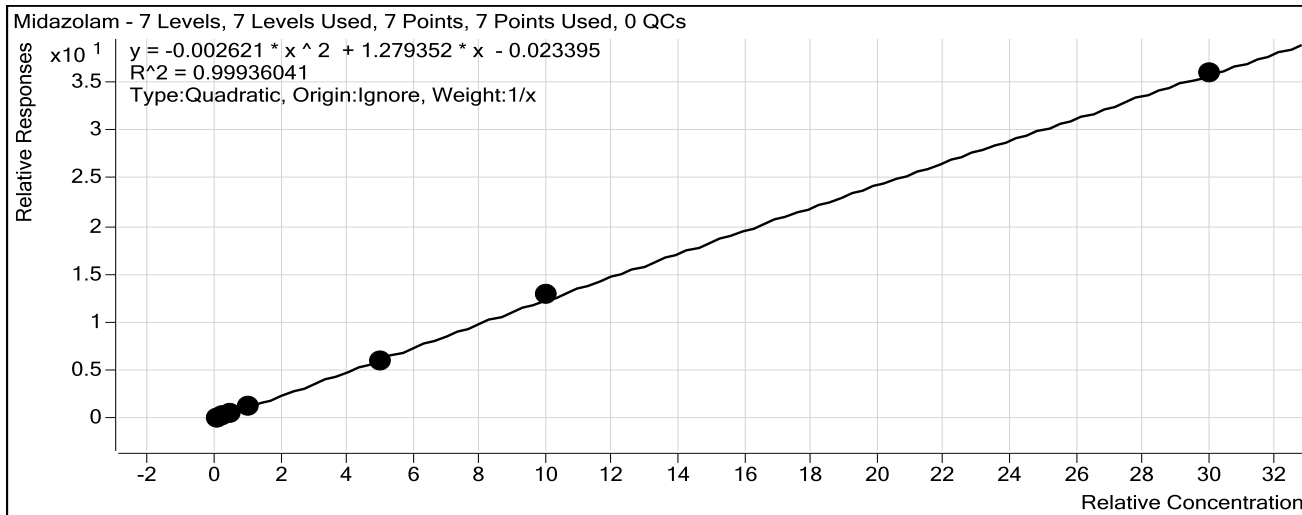
ISP TOX

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	10.4	103.7
25 ng/mL	3	<input checked="" type="checkbox"/>	25	24.3	97.0
50 ng/mL	4	<input checked="" type="checkbox"/>	50	49.6	99.3
100 ng/mL	5	<input checked="" type="checkbox"/>	100	102.4	102.4
500 ng/mL	6	<input checked="" type="checkbox"/>	500	472.4	94.5
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	1032.7	103.3
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	2993.1	99.8

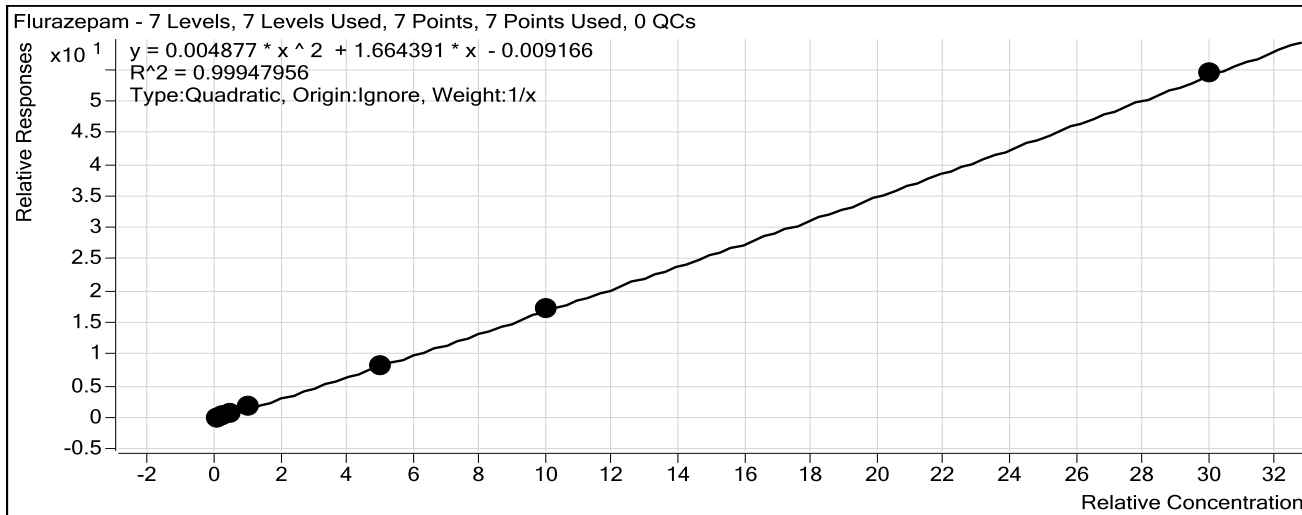
ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2016\Combined\041516 CS\QuantResults\BENZ 041516.batch.bin

Last Calib Update 4/28/2016 1:41 PM

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	9.2	91.5
25 ng/mL	3	<input checked="" type="checkbox"/>	25	24.0	95.9
50 ng/mL	4	<input checked="" type="checkbox"/>	50	50.5	101.0
100 ng/mL	5	<input checked="" type="checkbox"/>	100	114.4	114.4
500 ng/mL	6	<input checked="" type="checkbox"/>	500	486.5	97.3
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	998.5	99.9
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	3002.0	100.1

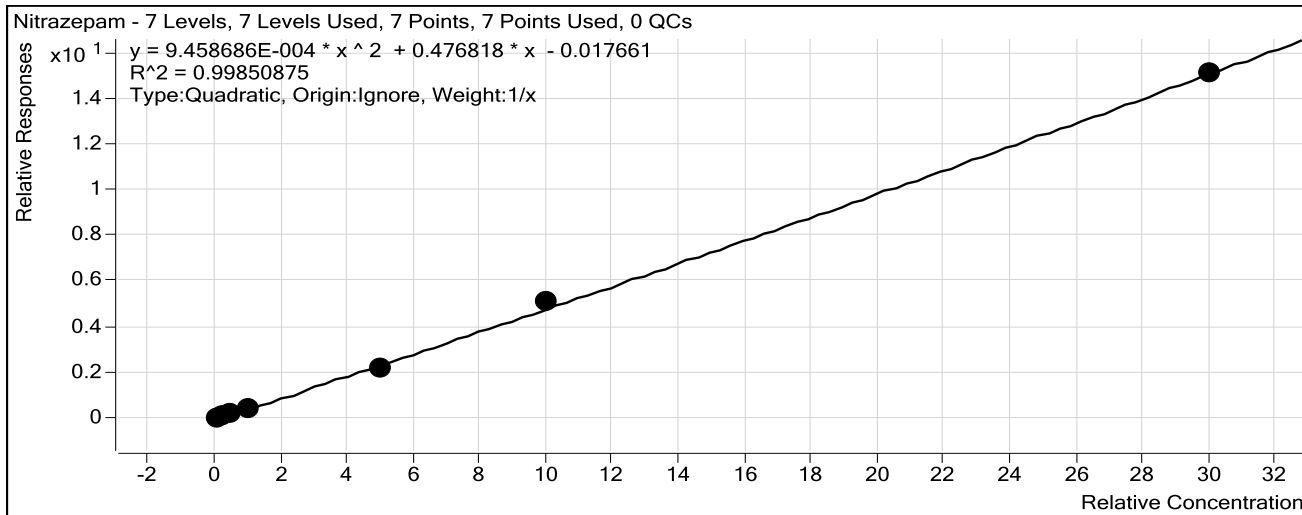
ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2016\Combined\041516 CS\QuantResults\BENZ 041516.batch.bin

Last Calib Update 4/28/2016 1:41 PM

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	11.4	113.6
25 ng/mL	3	<input checked="" type="checkbox"/>	25	24.3	97.2
50 ng/mL	4	<input checked="" type="checkbox"/>	50	47.4	94.7
100 ng/mL	5	<input checked="" type="checkbox"/>	100	97.3	97.3
500 ng/mL	6	<input checked="" type="checkbox"/>	500	459.8	92.0
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	1055.7	105.6
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	2988.9	99.6

ISP Forensics Calibration Curve Report

CS

Batch Data Path C:\MassHunter\Data\2016\Combined\041516 CS\QuantResults\BENZ 041516.batch.bin

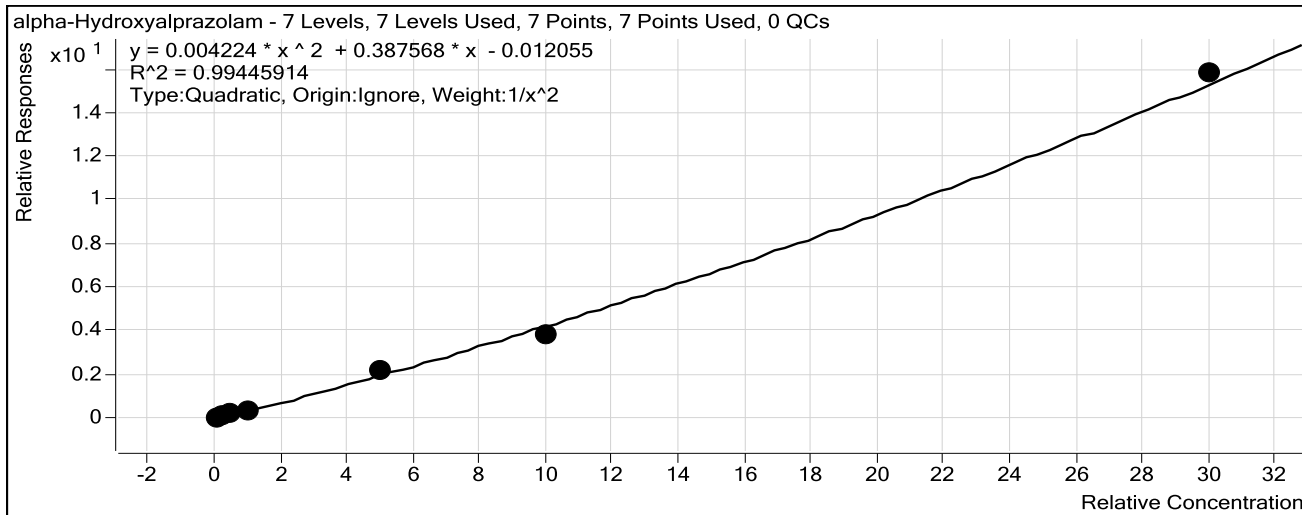
Last Calib Update 4/28/2016 1:41 PM

Analyst Name

ISP TOX

Target Compound *alpha-Hydroxyalprazolam*

Internal Standard *alphahydroxyalprazolam-D5 ISTD*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ngmL	2	<input checked="" type="checkbox"/>	10	9.7	97.3
25 ngmL	3	<input checked="" type="checkbox"/>	25	26.1	104.4
50 ngmL	4	<input checked="" type="checkbox"/>	50	53.7	107.3
100 ngmL	5	<input checked="" type="checkbox"/>	100	94.5	94.5
500 ngmL	6	<input checked="" type="checkbox"/>	500	526.1	105.2
1000 ngmL	7	<input checked="" type="checkbox"/>	1000	896.3	89.6
3000 ngmL	8	<input checked="" type="checkbox"/>	3000	3058.6	102.0

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2016\Combined\041516 CS\QuantResults\BENZ 041516.batch.bin

Last Calib Update 4/28/2016 1:41 PM

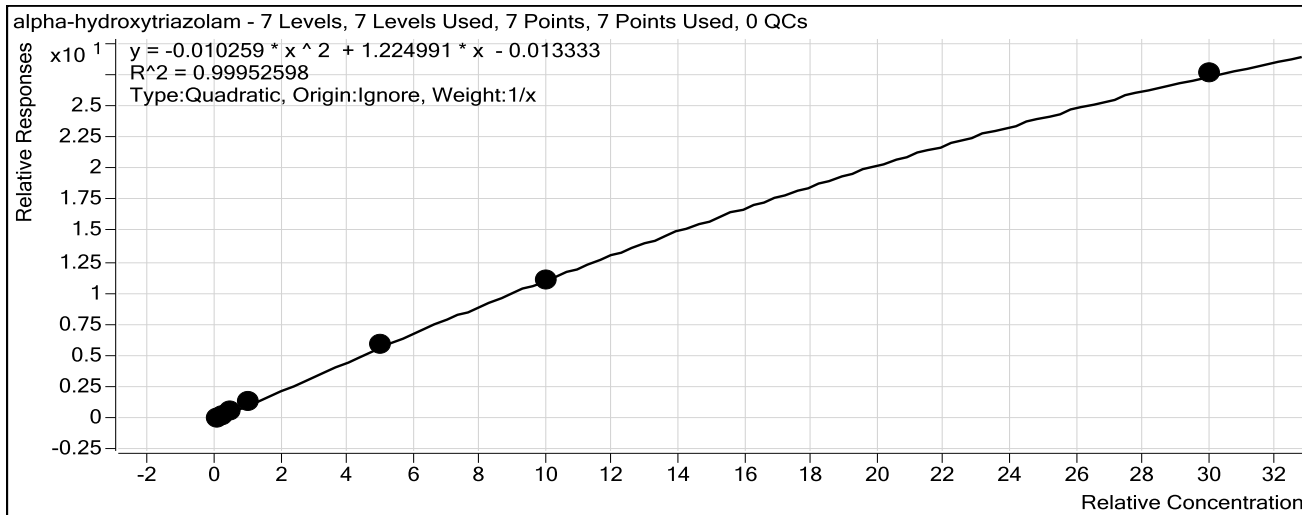
Analyst Name

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	10.2	102.2
25 ng/mL	3	<input checked="" type="checkbox"/>	25	22.2	88.6
50 ng/mL	4	<input checked="" type="checkbox"/>	50	50.9	101.7
100 ng/mL	5	<input checked="" type="checkbox"/>	100	107.6	107.6
500 ng/mL	6	<input checked="" type="checkbox"/>	500	509.1	101.8
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	977.8	97.8
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	3009.2	100.3

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2016\Combined\041516 CS\QuantResults\BENZ 041516.batch.bin

Last Calib Update 4/28/2016 1:41 PM

Analyst Name

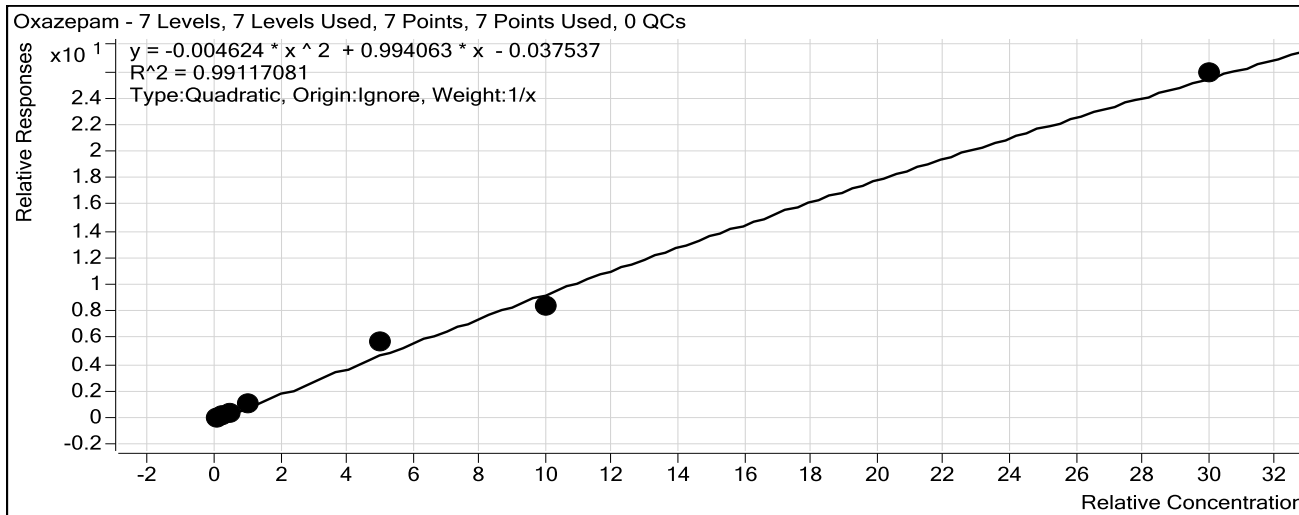
ISP TOX

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	11.4	114.4
25 ng/mL	3	<input checked="" type="checkbox"/>	25	21.0	83.9
50 ng/mL	4	<input checked="" type="checkbox"/>	50	40.8	81.6
100 ng/mL	5	<input checked="" type="checkbox"/>	100	113.2	113.2
500 ng/mL	6	<input checked="" type="checkbox"/>	500	591.1	118.2
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	879.8	88.0
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	3030.4	101.0

ISP Forensics Calibration Curve Report

CS

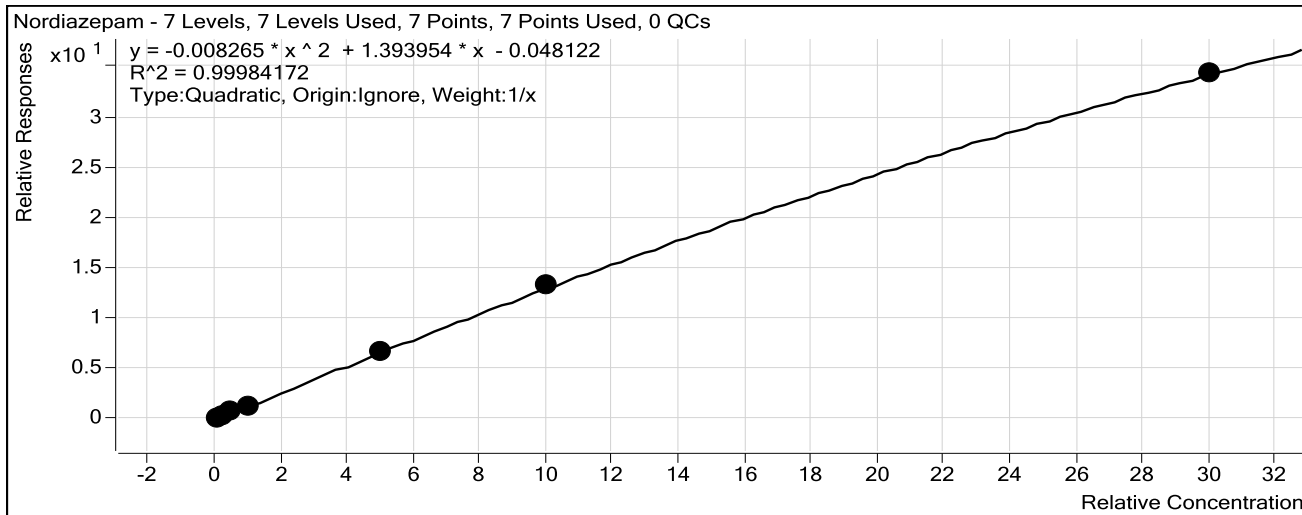
Batch Data Path C:\MassHunter\Data\2016\Combined\041516 CS\QuantResults\BENZ 041516.batch.bin

Last Calib Update 4/28/2016 1:41 PM

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	11.2	111.8
25 ng/mL	3	<input checked="" type="checkbox"/>	25	23.0	91.9
50 ng/mL	4	<input checked="" type="checkbox"/>	50	49.5	99.0
100 ng/mL	5	<input checked="" type="checkbox"/>	100	97.0	97.0
500 ng/mL	6	<input checked="" type="checkbox"/>	500	496.6	99.3
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	1011.6	101.2
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	2995.7	99.9

ISP Forensics Calibration Curve Report

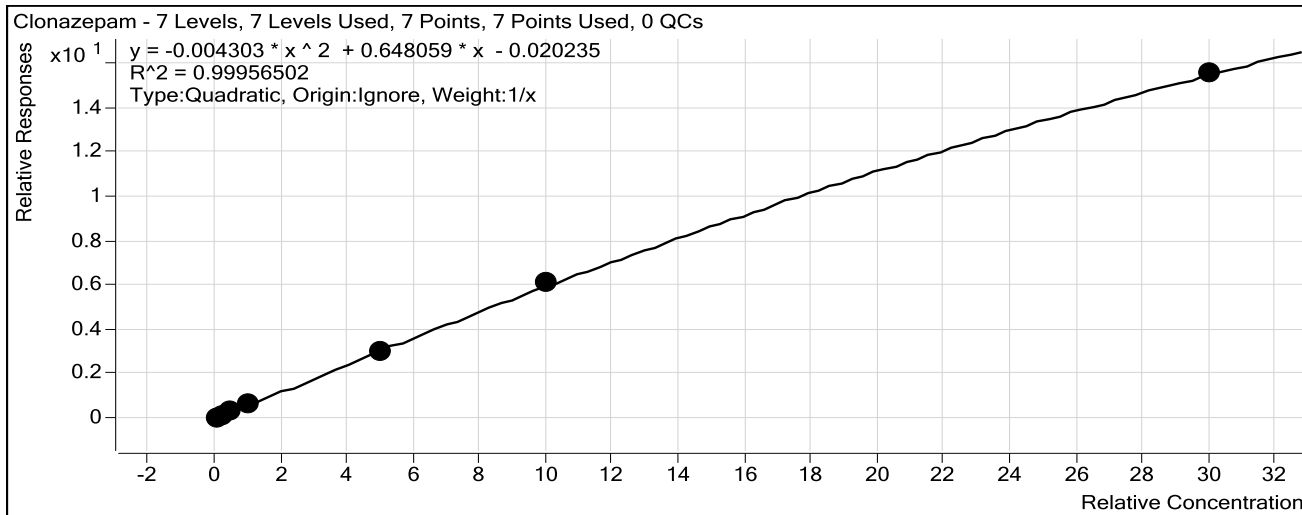
Batch Data Path C:\MassHunter\Data\2016\Combined\041516 CS\QuantResults\BENZ 041516.batch.bin

Last Calib Update 4/28/2016 1:41 PM

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	10.9	109.5
25 ng/mL	3	<input checked="" type="checkbox"/>	25	23.5	94.1
50 ng/mL	4	<input checked="" type="checkbox"/>	50	46.4	92.9
100 ng/mL	5	<input checked="" type="checkbox"/>	100	104.9	104.9
500 ng/mL	6	<input checked="" type="checkbox"/>	500	484.3	96.9
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	1020.0	102.0
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	2994.3	99.8

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2016\Combined\041516 CS\QuantResults\BENZ 041516.batch.bin

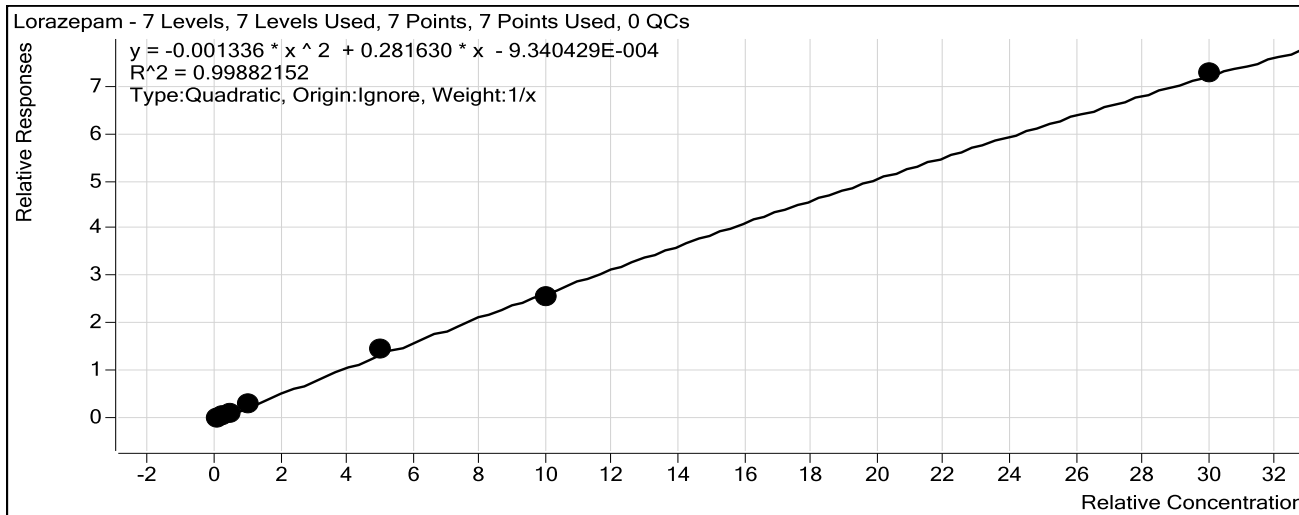
Last Calib Update 4/28/2016 1:41 PM

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	10.9	109.3
25 ng/mL	3	<input checked="" type="checkbox"/>	25	21.5	85.8
50 ng/mL	4	<input checked="" type="checkbox"/>	50	46.9	93.9
100 ng/mL	5	<input checked="" type="checkbox"/>	100	109.5	109.5
500 ng/mL	6	<input checked="" type="checkbox"/>	500	525.7	105.1
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	960.6	96.1
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	3010.7	100.4

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2016\Combined\041516 CS\QuantResults\BENZ 041516.batch.bin

Last Calib Update 4/28/2016 1:41 PM

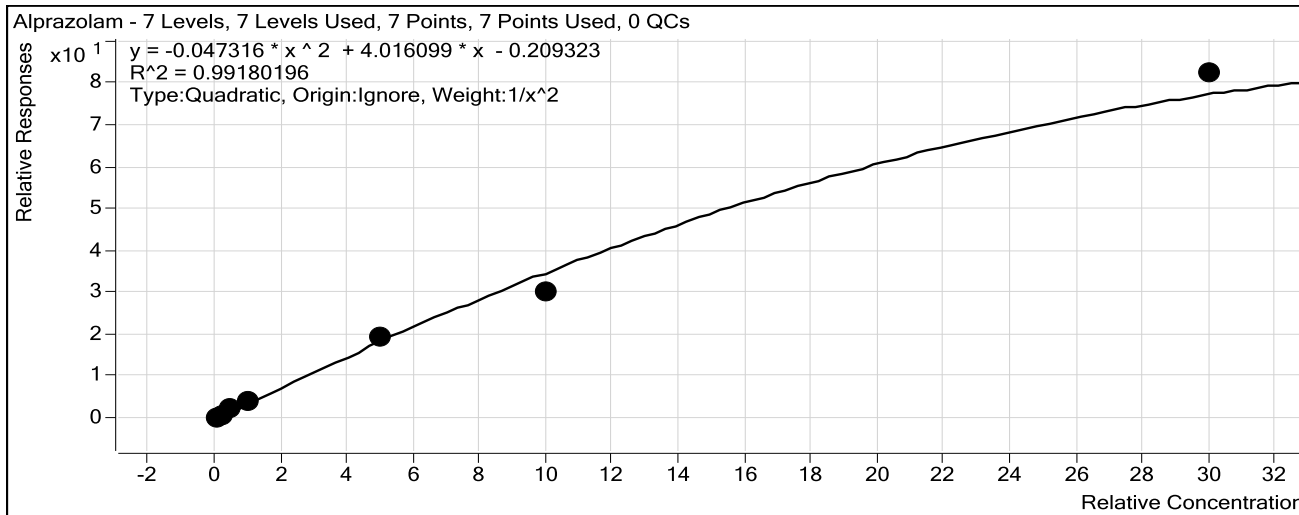
Analyst Name

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	9.9	98.5
25 ng/mL	3	<input checked="" type="checkbox"/>	25	24.8	99.2
50 ng/mL	4	<input checked="" type="checkbox"/>	50	54.9	109.9
100 ng/mL	5	<input checked="" type="checkbox"/>	100	99.2	99.2
500 ng/mL	6	<input checked="" type="checkbox"/>	500	515.7	103.1
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	831.1	83.1
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	3487.6	116.3

ISP Forensics Calibration Curve Report

CS

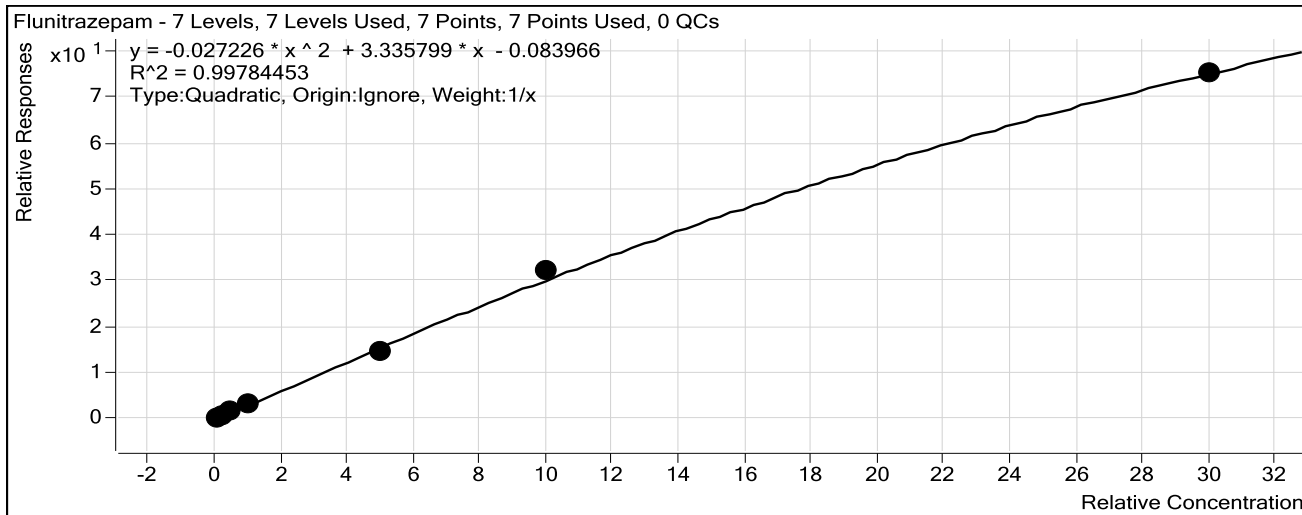
Batch Data Path C:\MassHunter\Data\2016\Combined\041516 CS\QuantResults\BENZ 041516.batch.bin

Last Calib Update 4/28/2016 1:41 PM

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	10.3	103.3
25 ng/mL	3	<input checked="" type="checkbox"/>	25	24.7	98.9
50 ng/mL	4	<input checked="" type="checkbox"/>	50	51.8	103.7
100 ng/mL	5	<input checked="" type="checkbox"/>	100	97.5	97.5
500 ng/mL	6	<input checked="" type="checkbox"/>	500	455.2	91.0
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	1063.2	106.3
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	2979.4	99.3

ISP Forensics Calibration Curve Report

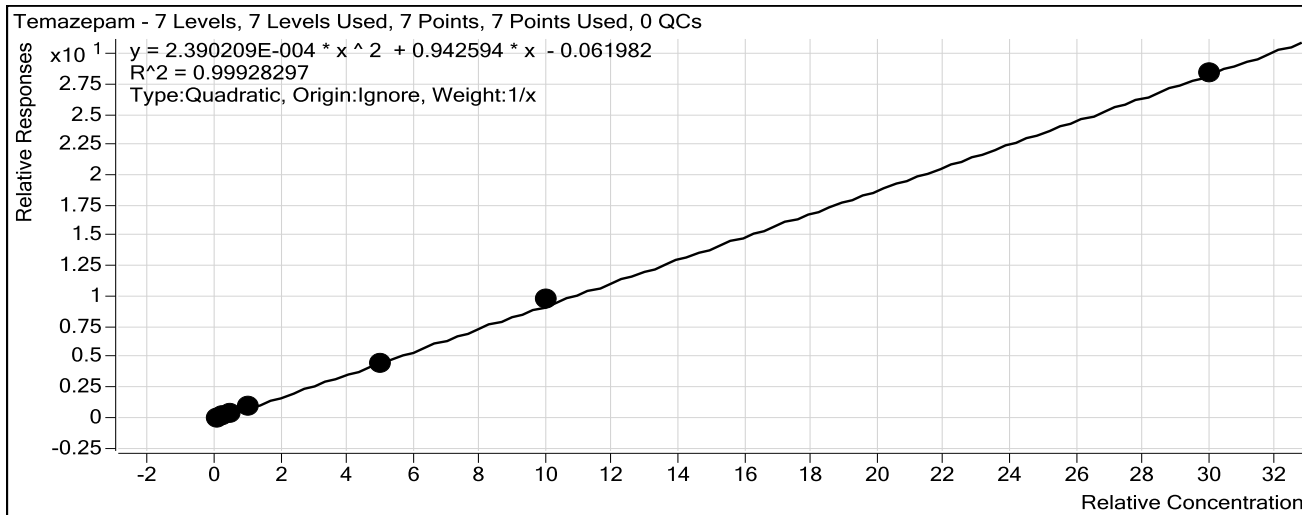
Batch Data Path C:\MassHunter\Data\2016\Combined\041516 CS\QuantResults\BENZ 041516.batch.bin

Last Calib Update 4/28/2016 1:41 PM

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	12.0	119.8
25 ng/mL	3	<input checked="" type="checkbox"/>	25	22.4	89.7
50 ng/mL	4	<input checked="" type="checkbox"/>	50	45.7	91.4
100 ng/mL	5	<input checked="" type="checkbox"/>	100	100.3	100.3
500 ng/mL	6	<input checked="" type="checkbox"/>	500	478.0	95.6
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	1034.1	103.4
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	2992.4	99.7

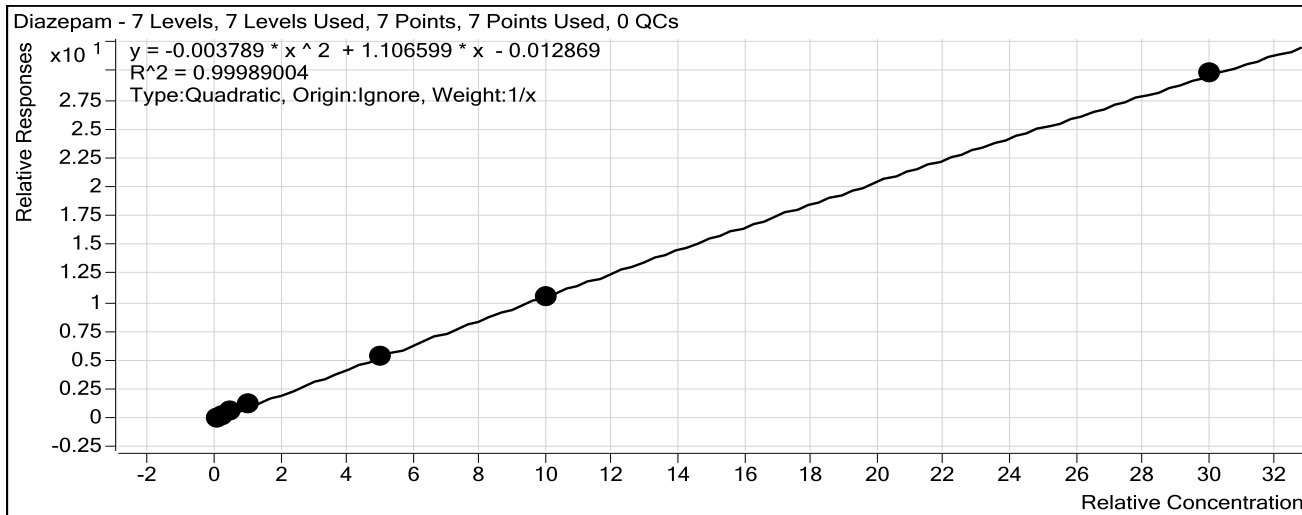
ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2016\Combined\041516 CS\QuantResults\BENZ 041516.batch.bin

Last Calib Update 4/28/2016 1:41 PM

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	9.9	99.4
25 ng/mL	3	<input checked="" type="checkbox"/>	25	23.7	94.9
50 ng/mL	4	<input checked="" type="checkbox"/>	50	50.5	100.9
100 ng/mL	5	<input checked="" type="checkbox"/>	100	105.4	105.4
500 ng/mL	6	<input checked="" type="checkbox"/>	500	500.6	100.1
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	992.3	99.2
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	3002.7	100.1

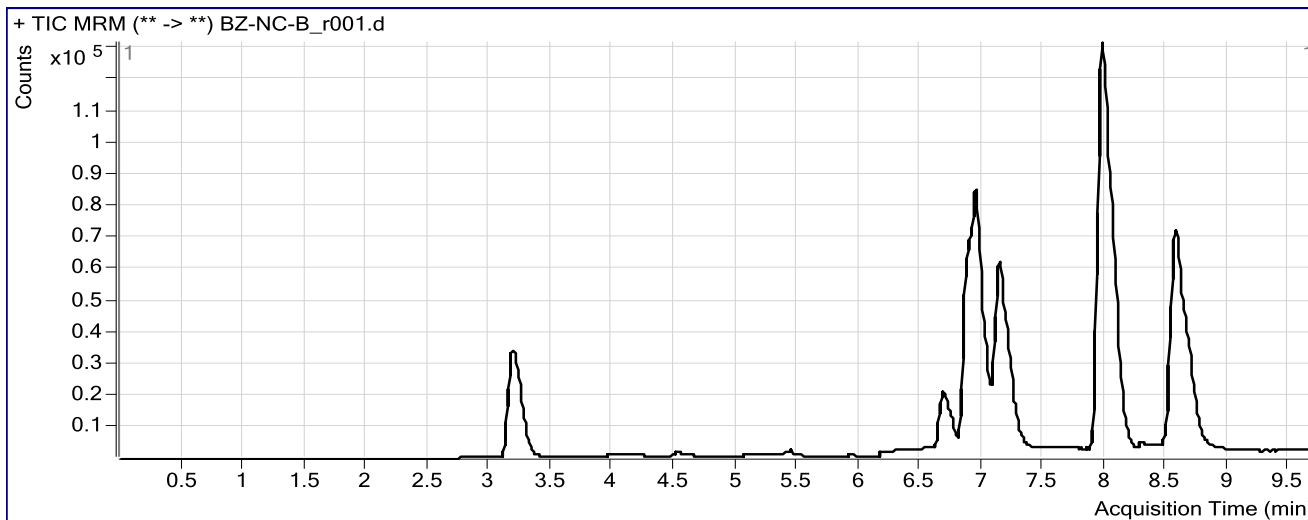
ISP FORENSICS Pocatello Benzodiazepine Analysis Report

Batch Data Path C:\MassHunter\Data\2016\Combined\041516 CS\QuantResults\BENZ 041516.batch.bin
Analysis Time 4/28/2016 1:41 PM **Analyst Name** ISPUser
Report Time 4/28/2016 1:45 PM **Reporter Name** ISPUser
Last Calib Update 4/28/2016 1:41 PM **Batch State** Processed

Analysis Info

Acq Time 2016-04-16 15:17 **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_2015.m
Position P1-E9 **Sample Info** UTAK Negative Whole Blood LOT B0689
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
zolpidem	Nordiazepam-D5 ISTD	4.538	5349	173541	0.0308	0.2961
Flurazepam	Diazepam-D5 ISTD	5.922	3357	339579	0.0099	1.1446

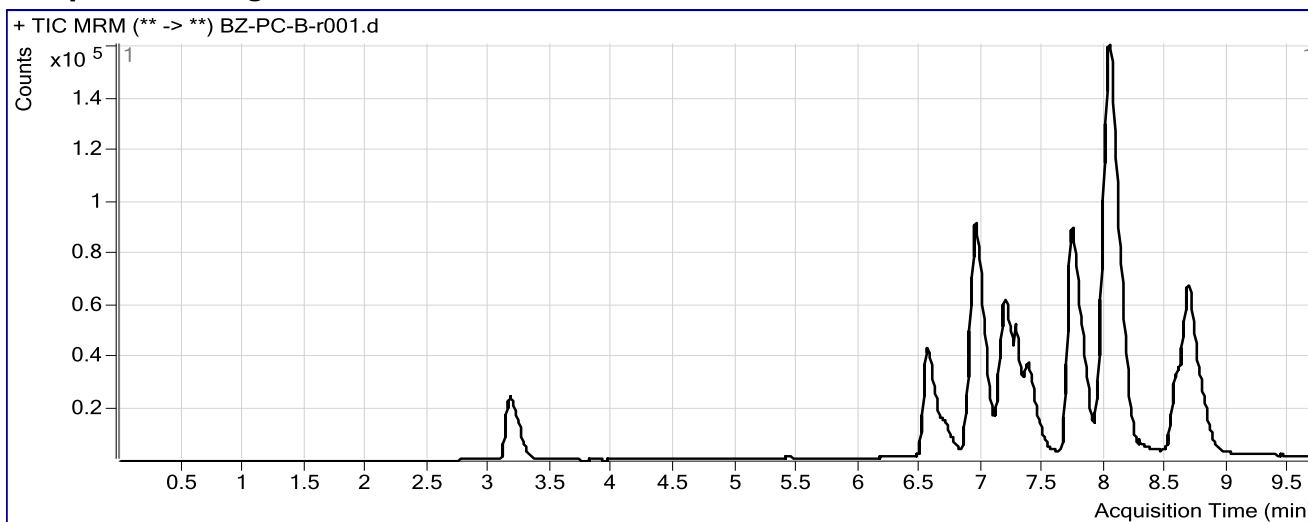
ISP FORENSICS Pocatello Benzodiazepine Analysis Report

Batch Data Path C:\MassHunter\Data\2016\Combined\041516 CS\QuantResults\BENZ 041516.batch.bin
Analysis Time 4/28/2016 1:41 PM **Analyst Name** ISPUser
Report Time 4/28/2016 1:45 PM **Reporter Name** ISPUser
Last Calib Update 4/28/2016 1:41 PM **Batch State** Processed

Analysis Info

Acq Time 2016-04-16 15:33 **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_2015.m
Position P1-E8 **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



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
zolpidem	Nordiazepam-D5 ISTD	4.538	1849	73246	0.0252	0.2785
Flurazepam	Diazepam-D5 ISTD	5.938	1774	137450	0.0129	1.3261
Nitrazepam	Clonazepam-D4 ISTD	6.557	185339	165197	1.1219	237.8773
Oxazepam	Nordiazepam-D5 ISTD	6.934	251022	73246	3.4271	354.3764
Clonazepam	Clonazepam-D4 ISTD	7.192	189978	165197	1.1500	182.7959
Lorazepam	Nordiazepam-D5 ISTD	7.276	31805	73246	0.4342	155.6608
Alprazolam	alphahydroxyalprazolam-D5 ISTD	7.371	177709	41142	4.3194	114.3025
Flunitrazepam	Clonazepam-D4 ISTD	7.723	503514	165197	3.0480	94.6194
Temazepam	Temazepam-D5 ISTD	8.037	740369	463258	1.5982	176.0482
Diazepam	Diazepam-D5 ISTD	8.674	310501	137450	2.2590	206.7666