







Worklist: 1205

<u>LAB_CASE</u>	<u>ITEM</u>	<u>TASK_ID</u>	<u>DESCRIPTION</u>	
M2016-0608	1	61185	6.1.1 Blood LCMS-QQQ Benzoc	
P2016-0405	1	61186	6.1.1 Blood LCMS-QQQ Benzoc	
P2016-0419	1	61187	6.1.1 Blood LCMS-QQQ Benzoc	
P2016-0422	1	61188	6.1.1 Blood LCMS-QQQ Benzoc	
P2016-0436	1	61189	6.1.1 Blood LCMS-QQQ Benzoc	
P2016-0519	1	61190	6.1.1 Blood LCMS-QQQ Benzoc	

Reviewed 7/27/16



Worklist Report

Worklist Path:	C:\MassHunter\ISP Methods\worklists\CS Combined 072216.wkl
Date Modified:	07/22/2016 12:05:09 PM
Date Printed:	07/22/2016 12:05:16 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\042516CANN
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 M2016-0433-3	isp blood cannabinoids Poky 2016-1.m	M2016-0433-3_BLK_r001.d	Blank		AM 6.1.2 Cannabinoids by LCQQQ	
P2-B2	M2016-0433-3	isp blood cannabinoids Poky 2016-1.m	M2016-0433-3-r001.d	Sample		AM 6.1.2 Cannabinoids by LCQQQ	Blood
P2-A9	Blank M2016-0531-1	isp blood cannabinoids Poky 2016-1.m	M2016-0531-1_BLK_r001.d	Blank		AM 6.1.2 Cannabinoids by LCQQQ	
P2-B3	M2016-0531-1	isp blood cannabinoids Poky 2016-1.m	M2016-0531-1-r001.d	Sample		AM 6.1.2 Cannabinoids by LCQQQ	Blood
P2-A9	Blank M2016-0615-1	isp blood cannabinoids Poky 2016-1.m	M2016-0615-1_BLK_r001.d	Blank		AM 6.1.2 Cannabinoids by LCQQQ	
P2-B4	M2016-0615-1	isp blood cannabinoids Poky 2016-1.m	M2016-0615-1-r001.d	Sample		AM 6.1.2 Cannabinoids by LCQQQ	Blood
P2-A9	Blank P2016-0264-1	isp blood cannabinoids Poky 2016-1.m	P2016-0264-1_BLK_r001.d	Blank		AM 6.1.2 Cannabinoids by LCQQQ	
P2-B5	P2016-0264-1	isp blood cannabinoids Poky 2016-1.m	P2016-0264-1-r001.d	Sample		AM 6.1.2 Cannabinoids by LCQQQ	Blood
P2-A9	Blank P2016-0297-4	isp blood cannabinoids Poky 2016-1.m	P2016-0297-4_BLK_r001.d	Blank		AM 6.1.2 Cannabinoids by LCQQQ	
P2-B6	P2016-0297-4	isp blood cannabinoids Poky 2016-1.m	P2016-0297-4-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. 
P2-A9	Blank P2016-0321-1	isp blood cannabinoids Poky 2016-1.m	P2016-0321-1_BLK_r001.d	Blank		AM 6.1.2 Cannabinoids by LCQQQ	
P2-B7	P2016-0321-1	isp blood cannabinoids Poky 2016-1.m	P2016-0321-1-r001.d	Sample		AM 6.1.2 Cannabinoids by LCQQQ	Blood
P2-A9	Blank P2016-0386-1	isp blood cannabinoids Poky 2016-1.m	P2016-0386-1_BLK_r001.d	Blank		AM 6.1.2 Cannabinoids by LCQQQ	
P2-B8	P2016-0386-1	isp blood cannabinoids Poky 2016-1.m	P2016-0386-1-r001.d	Sample		AM 6.1.2 Cannabinoids by LCQQQ	Blood
P2-A9	Blank P2016-0419-1	isp blood cannabinoids Poky 2016-1.m	P2016-0419-1_BLK_r001.d	Blank		AM 6.1.2 Cannabinoids by LCQQQ	
P2-B9	P2016-0419-1	isp blood cannabinoids Poky 2016-1.m	P2016-0419-1-r001.d	Sample		AM 6.1.2 Cannabinoids by LCQQQ	Blood
P2-A9	Blank P2016-0420-1	isp blood cannabinoids Poky 2016-1.m	P2016-0420-1_BLK_r001.d	Blank		AM 6.1.2 Cannabinoids by LCQQQ	
P2-C1	P2016-0420-1	isp blood cannabinoids Poky 2016-1.m	P2016-0420-1-r001.d	Sample		AM 6.1.2 Cannabinoids by LCQQQ	Blood
P2-A9	Blank P2016-0421-1	isp blood cannabinoids Poky 2016-1.m	P2016-0421-1_BLK_r001.d	Blank		AM 6.1.2 Cannabinoids by LCQQQ	
P2-C2	P2016-0421-1	isp blood cannabinoids Poky 2016-1.m	P2016-0421-1-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-F8	5 ng/mL	Benzos_Z_Drugs_ACN_FA_ISP_2016.m	BZ-5 ng/mL-r001.d	Calibration	1	AM 6.1.1 Benzo and Z by LCQQQ	Blood
P1-F7	10 ng/mL	Benzos_Z_Drugs_ACN_FA_ISP_2016.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_2016.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_2016.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_2016.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_2016.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_2016.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_2016.m	BZ-3000 ng/mL_r001.d	Calibration	8		

Sample Position	Sample Name	Method	Data File	Sample Type	Level Name	Comment	Info. ๕
						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	Positive Blood Control	Benzos_Z_Drugs_ACN_FA_ISP_2016.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-E9	Blank - M2016-0608-1	Benzos_Z_Drugs_ACN_FA_ISP_2016.m	BZ-Carryover blank-M2016-0608-1_r001.d	Blank		AM 6.1.1 Benzo and Z by LCQQQ	
P1-E7	M2016-0608-1	Benzos_Z_Drugs_ACN_FA_ISP_2016.m	BZ-M2016-0608-1-r001.d	Sample		AM 6.1.1 Benzo and Z by LCQQQ	Blood
P1-E9	Blank - P2016-0405-1	Benzos_Z_Drugs_ACN_FA_ISP_2016.m	BZ-Carryover blank-P2016-0405-1_r001.d	Blank		AM 6.1.1 Benzo and Z by LCQQQ	
P1-E6	P2016-0405-1	Benzos_Z_Drugs_ACN_FA_ISP_2016.m	BZ-P2016-0405-1-r001.d	Sample		AM 6.1.1 Benzo and Z by LCQQQ	Blood
P1-E9	Blank - P2016-0419-1	Benzos_Z_Drugs_ACN_FA_ISP_2016.m	BZ-Carryover blank-P2016-0419-1_r001.d	Blank		AM 6.1.1 Benzo and Z by LCQQQ	
P1-E5	P2016-0419-1	Benzos_Z_Drugs_ACN_FA_ISP_2016.m	BZ-P2016-0419-1-r001.d	Sample		AM 6.1.1 Benzo and Z by LCQQQ	Blood
P1-E9	Blank - P2016-0422-1	Benzos_Z_Drugs_ACN_FA_ISP_2016.m	BZ-Carryover blank-P2016-0422-1_r001.d	Blank		AM 6.1.1 Benzo and Z by LCQQQ	
P1-E4	P2016-0422-1	Benzos_Z_Drugs_ACN_FA_ISP_2016.m	BZ-P2016-0422-1-r001.d	Sample		AM 6.1.1 Benzo and Z by LCQQQ	Blood
P1-E9	Blank - P2016-0436-1	Benzos_Z_Drugs_ACN_FA_ISP_2016.m	BZ-Carryover blank-P2016-0436-1_r001.d	Blank		AM 6.1.1 Benzo and Z by LCQQQ	
P1-E3	P2016-0436-1	Benzos_Z_Drugs_ACN_FA_ISP_2016.m	BZ-P2016-0436-1-r001.d	Sample		AM 6.1.1 Benzo and Z by LCQQQ	Blood
P1-E9	Blank - P2016-0519-1	Benzos_Z_Drugs_ACN_FA_ISP_2016.m	BZ-Carryover blank-P2016-0519-1_r001.d	Blank		AM 6.1.1 Benzo and Z by LCQQQ	
P1-E2	P2016-0519-1	Benzos_Z_Drugs_ACN_FA_ISP_2016.m	BZ-P2016-0519-1-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

Batch Data Path C:\MassHunter\Data\2016\Combined\072216 CS\QuantResults\benzopoc722.batch.bin

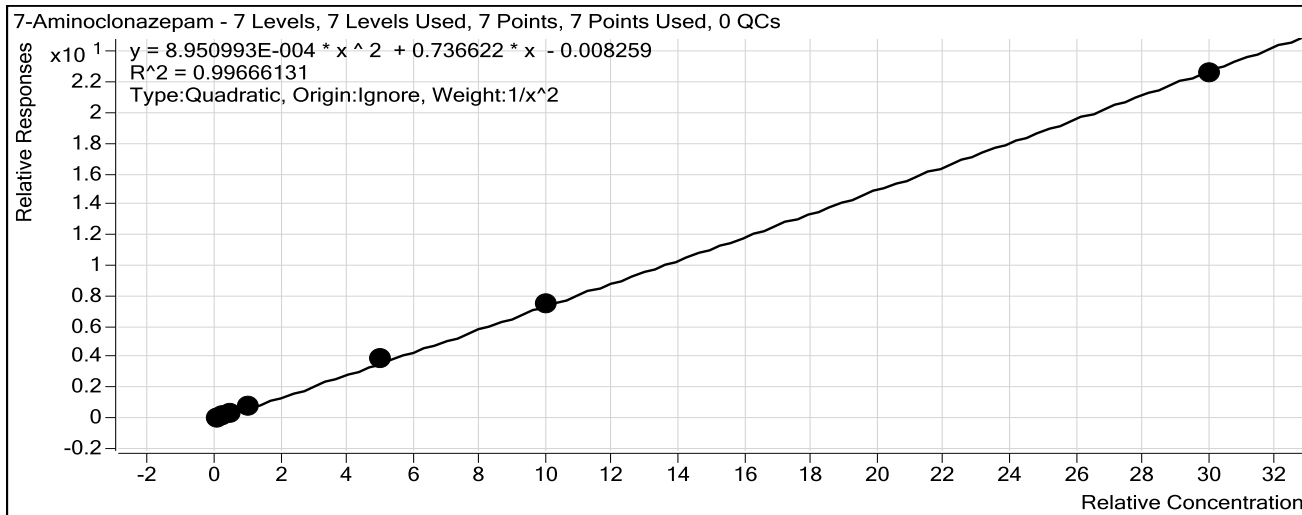
Last Calib Update 7/25/2016 10:50 AM

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	102.7
25 ng/mL	3	<input checked="" type="checkbox"/>	25	24.1	96.3
50 ng/mL	4	<input checked="" type="checkbox"/>	50	45.9	91.8
100 ng/mL	5	<input checked="" type="checkbox"/>	100	102.3	102.3
500 ng/mL	6	<input checked="" type="checkbox"/>	500	538.2	107.6
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	1005.1	100.5
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	2961.4	98.7

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2016\Combined\072216 CS\QuantResults\benzopoc722.batch.bin

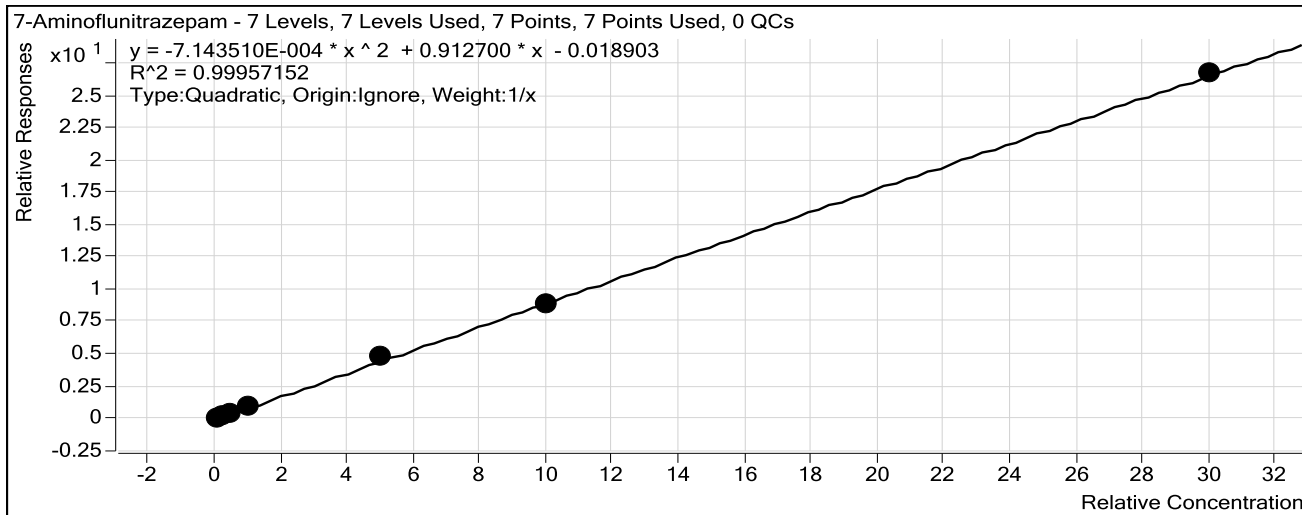
Last Calib Update 7/25/2016 10:50 AM

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	10.9	108.9
25 ng/mL	3	<input checked="" type="checkbox"/>	25	24.7	98.8
50 ng/mL	4	<input checked="" type="checkbox"/>	50	45.3	90.5
100 ng/mL	5	<input checked="" type="checkbox"/>	100	99.4	99.4
500 ng/mL	6	<input checked="" type="checkbox"/>	500	521.4	104.3
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	980.1	98.0
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	3003.2	100.1

ISP Forensics Calibration Curve Report

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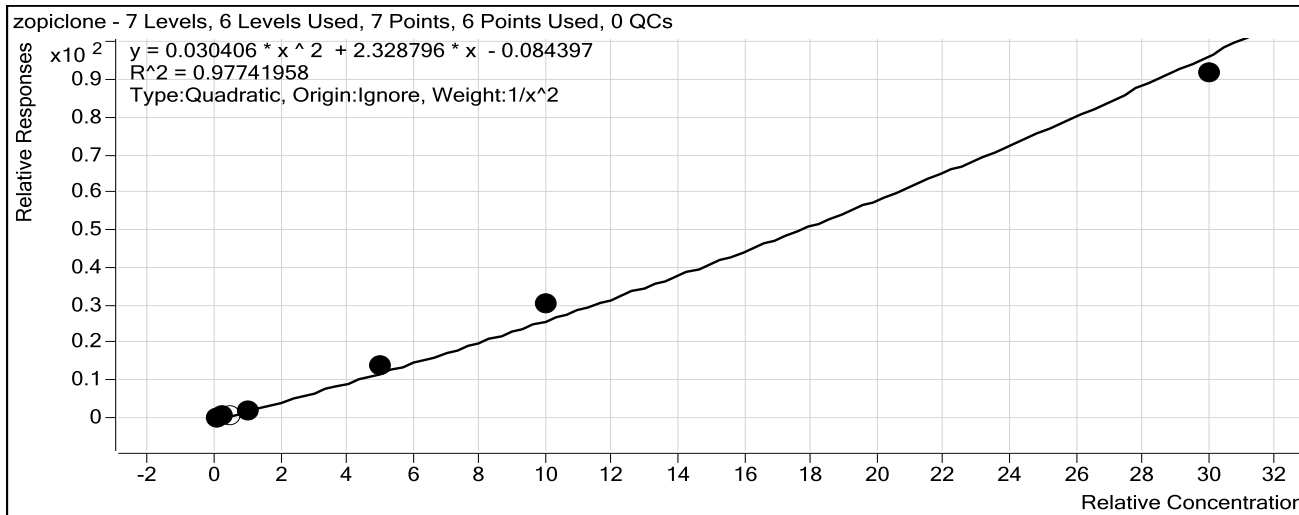
Last Calib Update 7/25/2016 10:50 AM

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 checked="" type="checkbox"/>	10	10.8	107.6
25 ng/mL	3	<input checked="" type="checkbox"/>	25	21.1	84.3
50 ng/mL	4	<input type="checkbox"/>	50	38.2	76.4
100 ng/mL	5	<input checked="" type="checkbox"/>	100	82.9	82.9
500 ng/mL	6	<input checked="" type="checkbox"/>	500	569.0	113.8
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	1139.1	113.9
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	2866.4	95.5

ISP Forensics Calibration Curve Report

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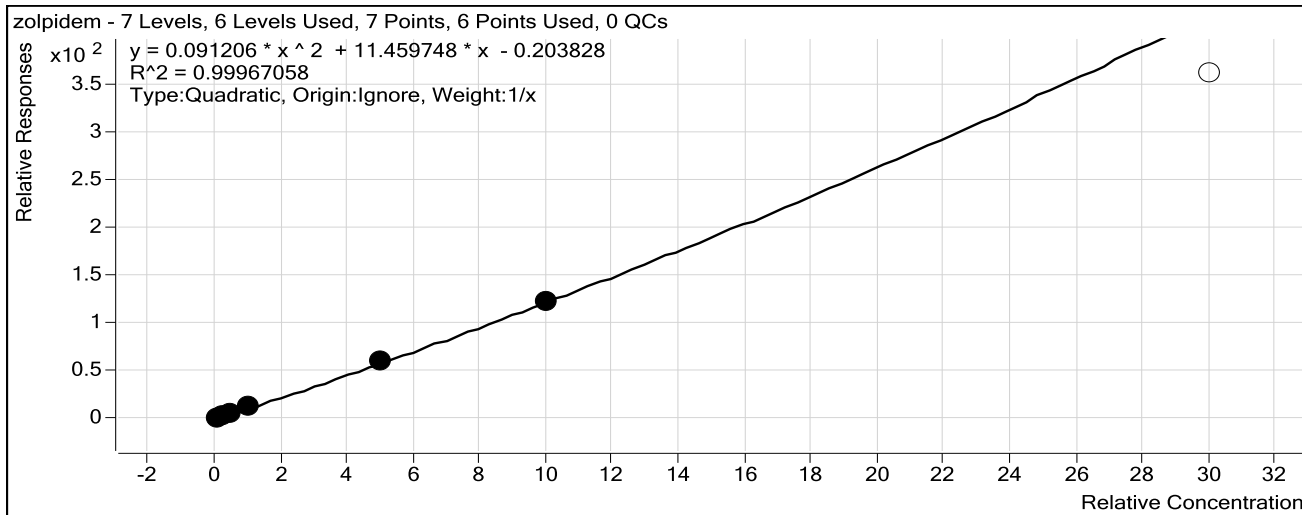
Last Calib Update 7/25/2016 10:50 AM

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	11.0	110.3
25 ng/mL	3	<input checked="" type="checkbox"/>	25	23.7	94.6
50 ng/mL	4	<input checked="" type="checkbox"/>	50	46.2	92.4
100 ng/mL	5	<input checked="" type="checkbox"/>	100	102.0	102.0
500 ng/mL	6	<input checked="" type="checkbox"/>	500	503.8	100.8
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	998.2	99.8
3000 ng/mL	8	<input type="checkbox"/>	3000	2613.9	87.1

ISP Forensics Calibration Curve Report

CS

Batch Data Path C:\MassHunter\Data\2016\Combined\072216 CS\QuantResults\benzopoc722.batch.bin

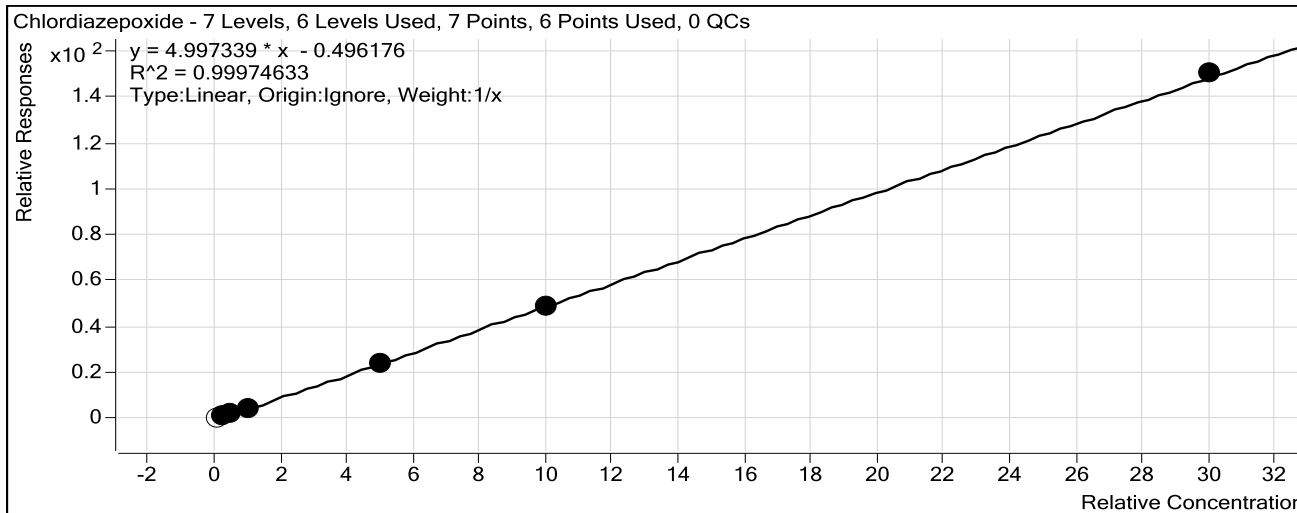
Last Calib Update 7/25/2016 10:50 AM

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 type="checkbox"/>	10	17.4	173.7
25 ng/mL	3	<input checked="" type="checkbox"/>	25	28.0	112.1
50 ng/mL	4	<input checked="" type="checkbox"/>	50	46.8	93.7
100 ng/mL	5	<input checked="" type="checkbox"/>	100	95.3	95.3
500 ng/mL	6	<input checked="" type="checkbox"/>	500	497.3	99.5
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	988.3	98.8
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	3019.3	100.6

ISP Forensics Calibration Curve Report

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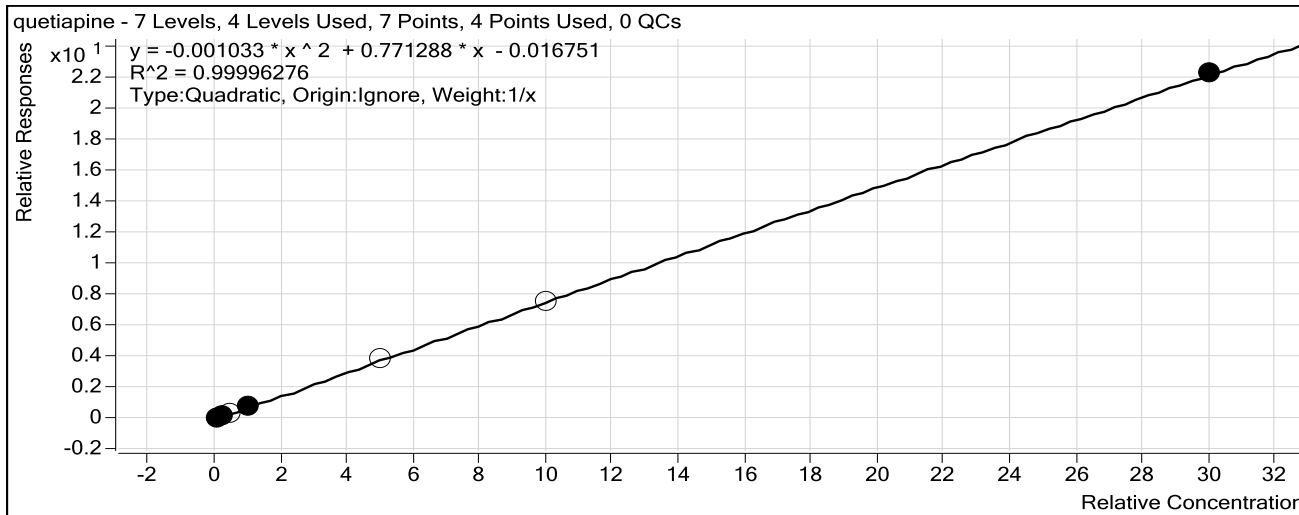
Last Calib Update 7/25/2016 10:50 AM

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	10.5	104.5
25 ng/mL	3	<input checked="" type="checkbox"/>	25	23.6	94.5
50 ng/mL	4	<input type="checkbox"/>	50	46.6	93.2
100 ng/mL	5	<input checked="" type="checkbox"/>	100	100.9	100.9
500 ng/mL	6	<input type="checkbox"/>	500	501.9	100.4
1000 ng/mL	7	<input type="checkbox"/>	1000	983.0	98.3
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	3000.0	100.0

ISP Forensics Calibration Curve Report

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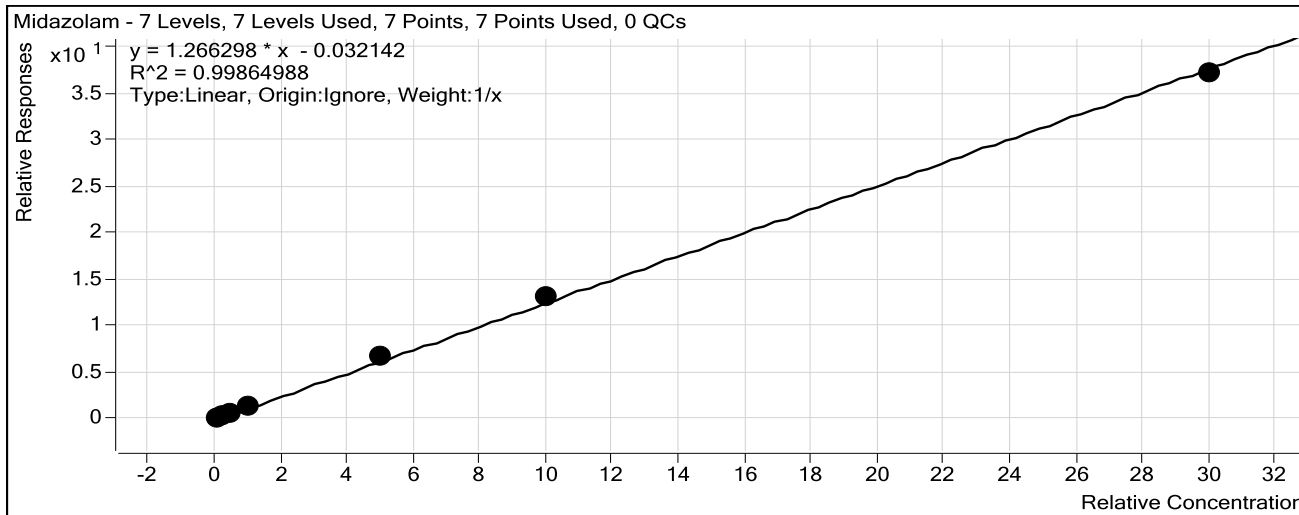
Last Calib Update 7/25/2016 10:50 AM

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	11.5	114.6
25 ng/mL	3	<input checked="" type="checkbox"/>	25	22.9	91.6
50 ng/mL	4	<input checked="" type="checkbox"/>	50	45.1	90.1
100 ng/mL	5	<input checked="" type="checkbox"/>	100	95.4	95.4
500 ng/mL	6	<input checked="" type="checkbox"/>	500	532.6	106.5
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	1038.6	103.9
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	2939.0	98.0

ISP Forensics Calibration Curve Report

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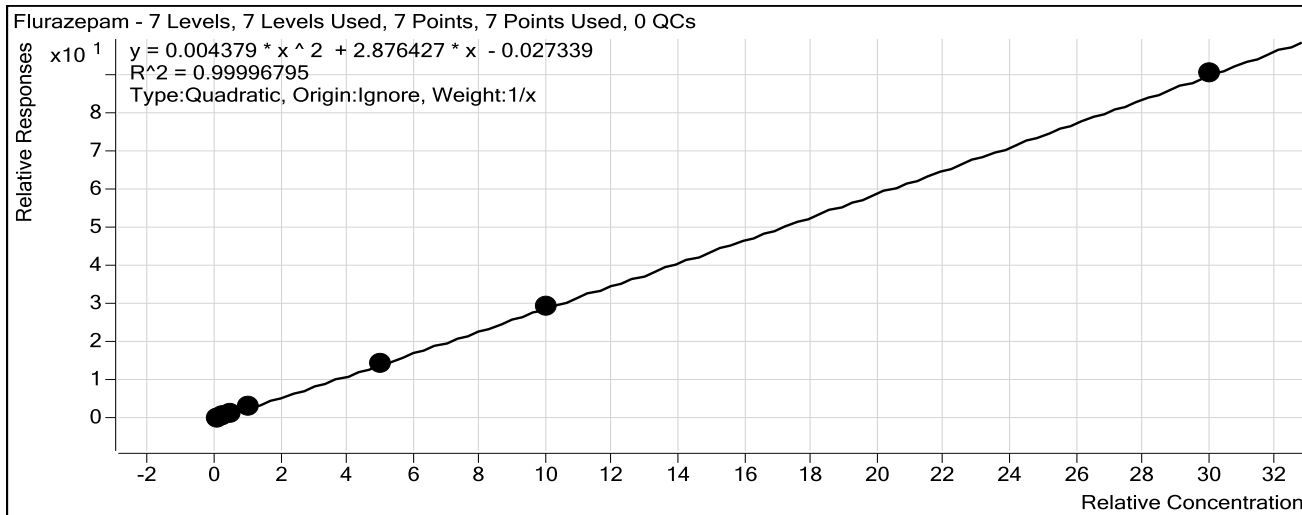
Last Calib Update 7/25/2016 10:50 AM

Analyst Name

ISP TOX

Target Compound *Flurazepam*

Internal Standard *Diazepam-D5 ISTD*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ngmL	2	<input checked="" type="checkbox"/>	10	10.5	105.4
25 ngmL	3	<input checked="" type="checkbox"/>	25	24.0	96.1
50 ngmL	4	<input checked="" type="checkbox"/>	50	48.5	97.0
100 ngmL	5	<input checked="" type="checkbox"/>	100	101.1	101.1
500 ngmL	6	<input checked="" type="checkbox"/>	500	503.0	100.6
1000 ngmL	7	<input checked="" type="checkbox"/>	1000	997.5	99.8
3000 ngmL	8	<input checked="" type="checkbox"/>	3000	3000.3	100.0

ISP Forensics Calibration Curve Report

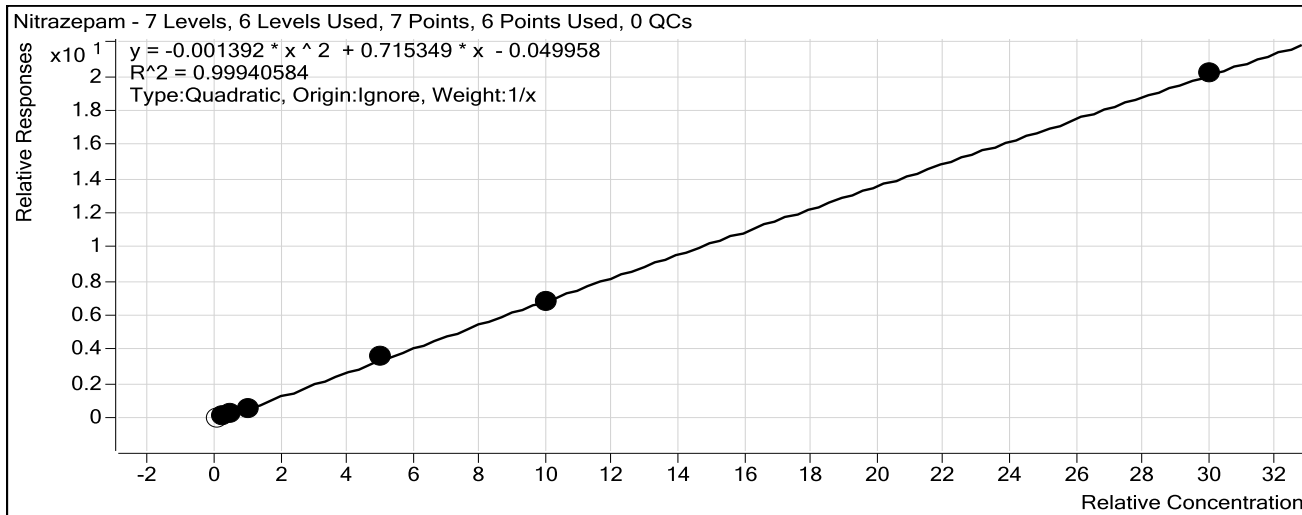
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Last Calib Update 7/25/2016 10:50 AM

Analyst Name ISP TOX

Target Compound Nitrazepam

Internal Standard Clonazepam-D4 ISTD



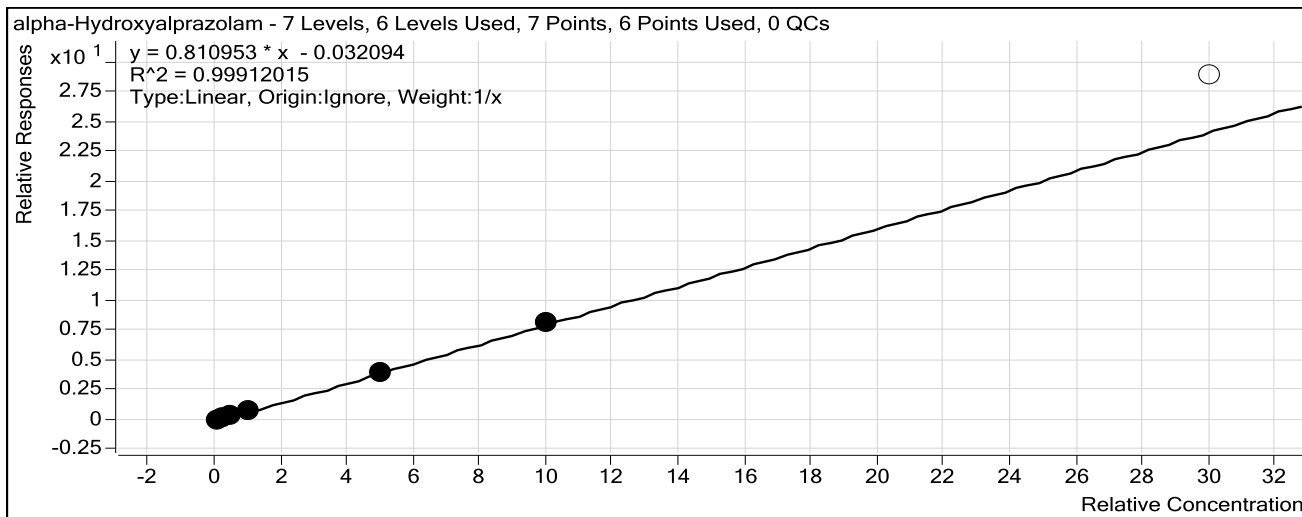
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input type="checkbox"/>	10	15.4	154.4
25 ng/mL	3	<input checked="" type="checkbox"/>	25	28.0	112.1
50 ng/mL	4	<input checked="" type="checkbox"/>	50	47.1	94.2
100 ng/mL	5	<input checked="" type="checkbox"/>	100	90.9	90.9
500 ng/mL	6	<input checked="" type="checkbox"/>	500	520.1	104.0
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	987.8	98.8
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	3001.1	100.0

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2016\Combined\072216 CS\QuantResults\benzopoc722.batch.bin

Last Calib Update 7/25/2016 10:50 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	11.0	110.2
25 ng/mL	3	<input checked="" type="checkbox"/>	25	24.4	97.7
50 ng/mL	4	<input checked="" type="checkbox"/>	50	44.7	89.4
100 ng/mL	5	<input checked="" type="checkbox"/>	100	103.9	103.9
500 ng/mL	6	<input checked="" type="checkbox"/>	500	487.8	97.6
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	1013.2	101.3
3000 ng/mL	8	<input type="checkbox"/>	3000	3566.4	118.9

ISP Forensics Calibration Curve Report

CS

Batch Data Path C:\MassHunter\Data\2016\Combined\072216 CS\QuantResults\benzopoc722.batch.bin

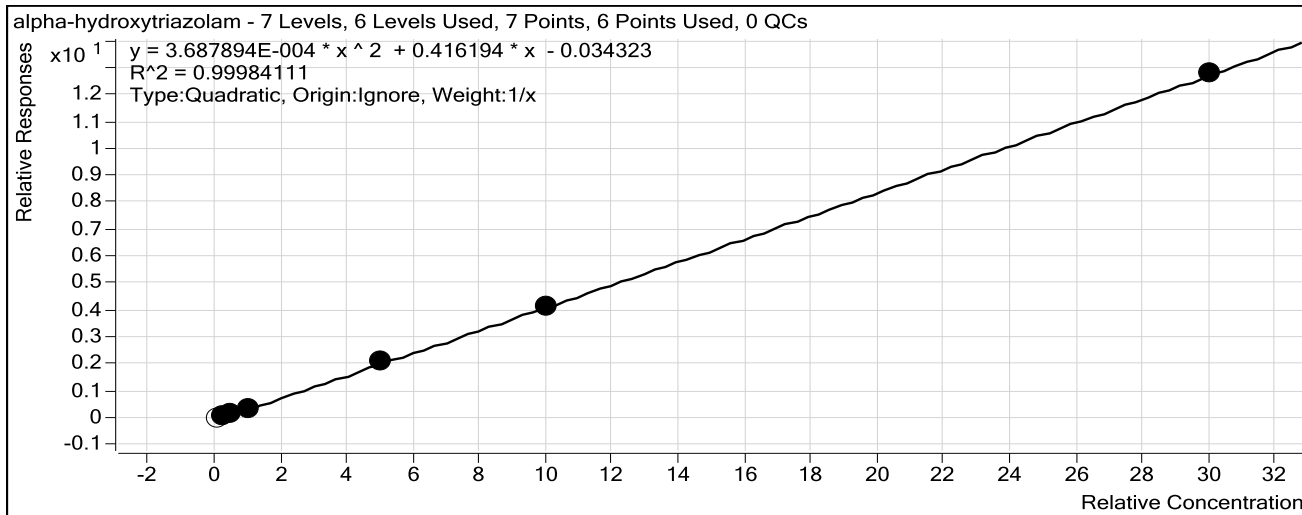
Last Calib Update 7/25/2016 10:50 AM

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	15.3	153.2
25 ng/mL	3	<input checked="" type="checkbox"/>	25	27.4	109.5
50 ng/mL	4	<input checked="" type="checkbox"/>	50	46.0	92.0
100 ng/mL	5	<input checked="" type="checkbox"/>	100	97.4	97.4
500 ng/mL	6	<input checked="" type="checkbox"/>	500	506.2	101.2
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	998.4	99.8
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	2999.7	100.0

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2016\Combined\072216 CS\QuantResults\benzopoc722.batch.bin

Last Calib Update 7/25/2016 10:50 AM

Analyst Name

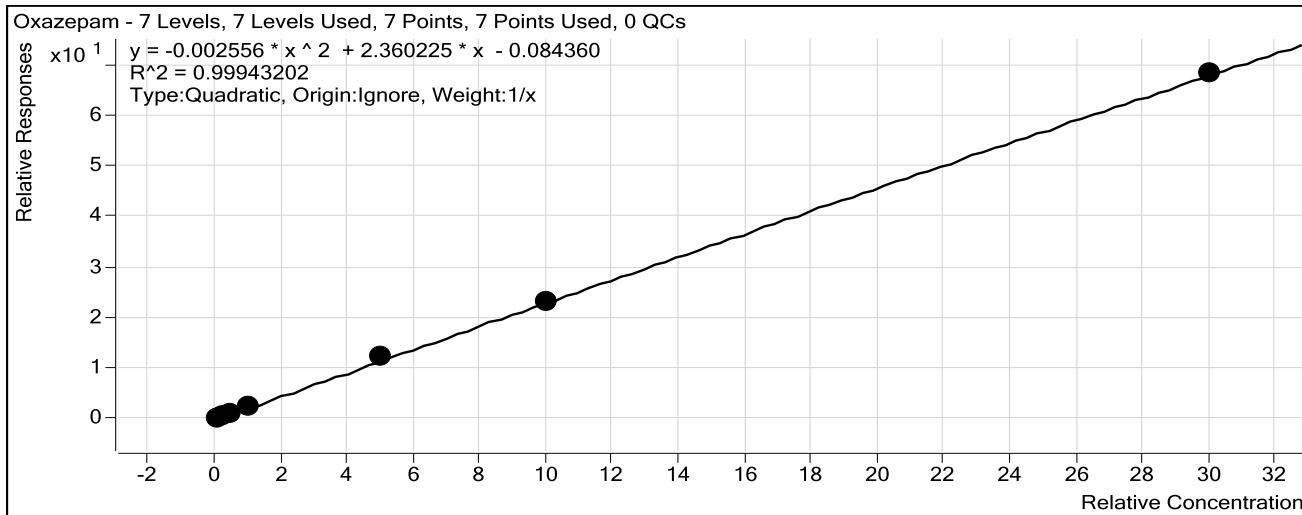
ISP TOX

Target Compound

Oxazepam

Internal Standard

Nordiazepam-D5 ISTD



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ngmL	2	<input checked="" type="checkbox"/>	10	11.7	117.3
25 ngmL	3	<input checked="" type="checkbox"/>	25	24.5	98.1
50 ngmL	4	<input checked="" type="checkbox"/>	50	42.5	85.1
100 ngmL	5	<input checked="" type="checkbox"/>	100	96.6	96.6
500 ngmL	6	<input checked="" type="checkbox"/>	500	519.5	103.9
1000 ngmL	7	<input checked="" type="checkbox"/>	1000	989.6	99.0
3000 ngmL	8	<input checked="" type="checkbox"/>	3000	3000.4	100.0

ISP Forensics Calibration Curve Report

CS

Batch Data Path C:\MassHunter\Data\2016\Combined\072216 CS\QuantResults\benzopoc722.batch.bin

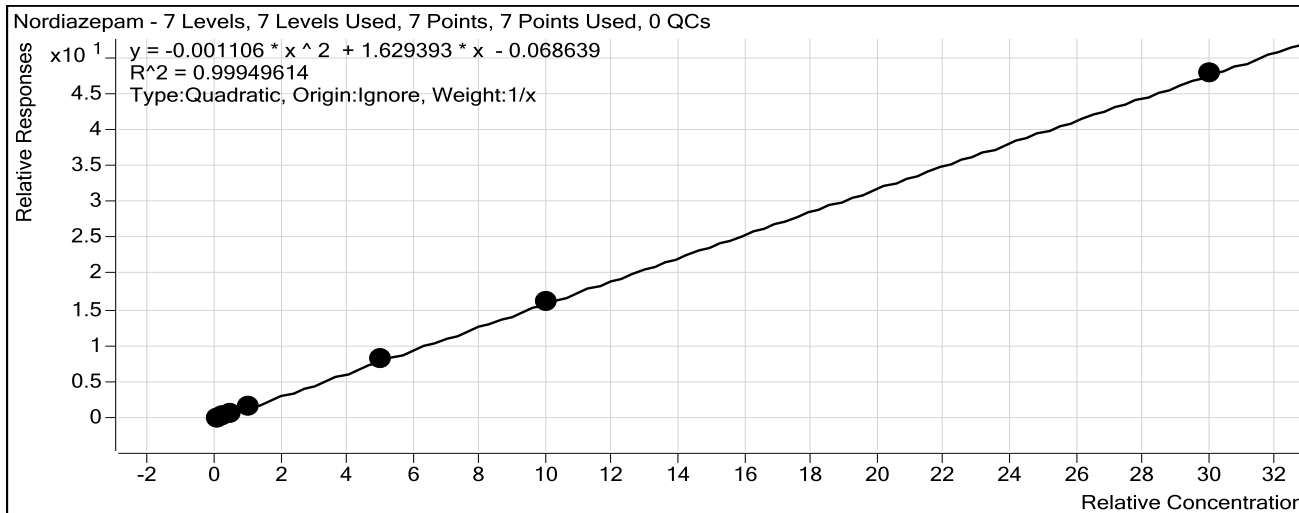
Last Calib Update 7/25/2016 10:50 AM

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	11.6	115.7
25 ng/mL	3	<input checked="" type="checkbox"/>	25	25.4	101.5
50 ng/mL	4	<input checked="" type="checkbox"/>	50	42.2	84.4
100 ng/mL	5	<input checked="" type="checkbox"/>	100	95.8	95.8
500 ng/mL	6	<input checked="" type="checkbox"/>	500	515.6	103.1
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	995.3	99.5
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	2999.2	100.0

ISP Forensics Calibration Curve Report

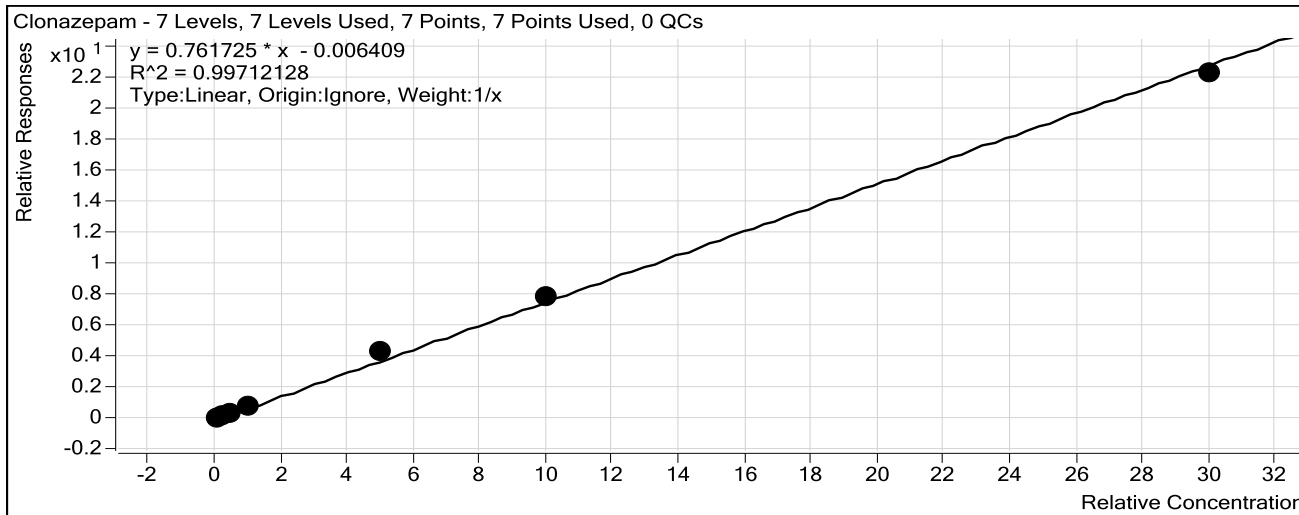
Batch Data Path C:\MassHunter\Data\2016\Combined\072216 CS\QuantResults\benzopoc722.batch.bin

Last Calib Update 7/25/2016 10:50 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	10.5	105.0
25 ng/mL	3	<input checked="" type="checkbox"/>	25	24.2	96.7
50 ng/mL	4	<input checked="" type="checkbox"/>	50	42.5	85.1
100 ng/mL	5	<input checked="" type="checkbox"/>	100	100.4	100.4
500 ng/mL	6	<input checked="" type="checkbox"/>	500	564.5	112.9
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	1028.1	102.8
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	2914.7	97.2

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2016\Combined\072216 CS\QuantResults\benzopoc722.batch.bin

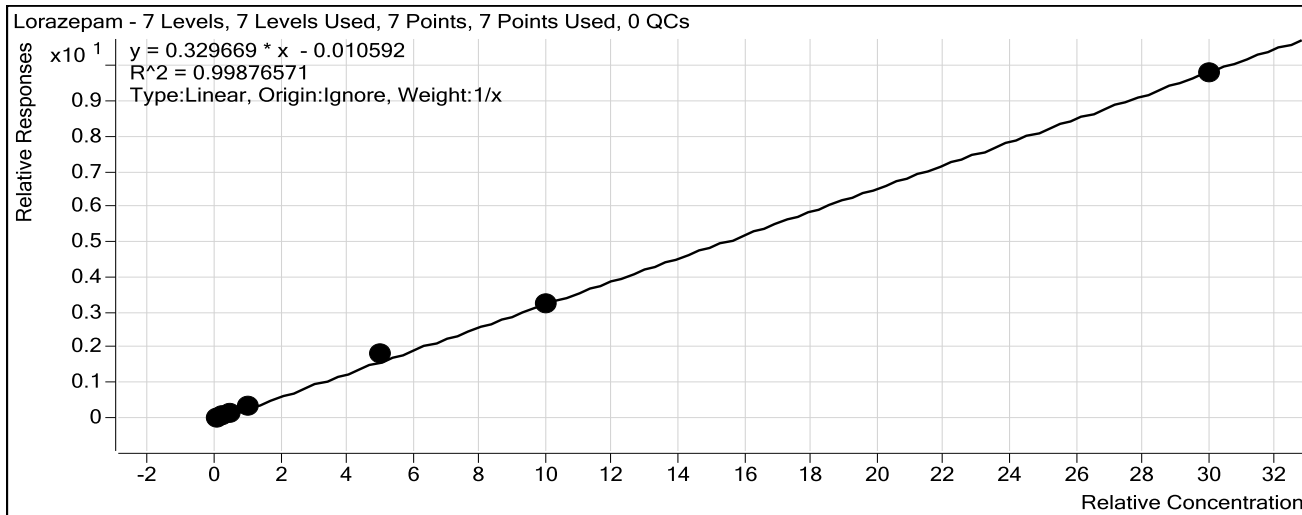
Last Calib Update 7/25/2016 10:50 AM

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	10.4	104.3
25 ng/mL	3	<input checked="" type="checkbox"/>	25	25.2	100.7
50 ng/mL	4	<input checked="" type="checkbox"/>	50	45.0	90.0
100 ng/mL	5	<input checked="" type="checkbox"/>	100	97.7	97.7
500 ng/mL	6	<input checked="" type="checkbox"/>	500	547.2	109.4
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	988.4	98.8
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	2971.1	99.0

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2016\Combined\072216 CS\QuantResults\benzopoc722.batch.bin

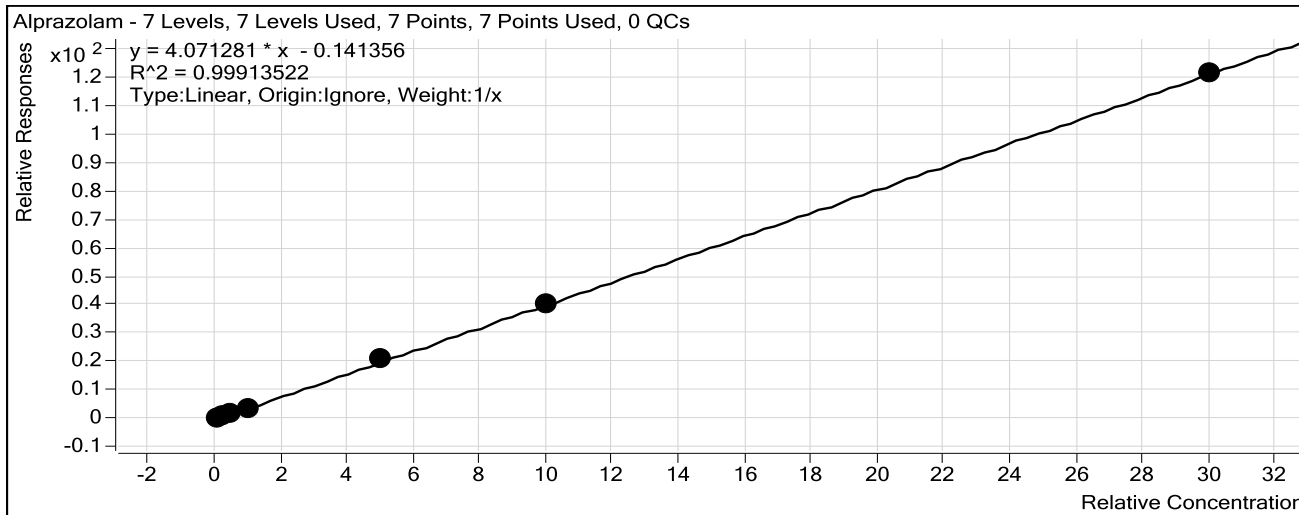
Last Calib Update 7/25/2016 10:50 AM

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	11.9	119.3
25 ng/mL	3	<input checked="" type="checkbox"/>	25	25.8	103.1
50 ng/mL	4	<input checked="" type="checkbox"/>	50	40.7	81.4
100 ng/mL	5	<input checked="" type="checkbox"/>	100	91.8	91.8
500 ng/mL	6	<input checked="" type="checkbox"/>	500	522.0	104.4
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	1003.9	100.4
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	2988.9	99.6

ISP Forensics Calibration Curve Report

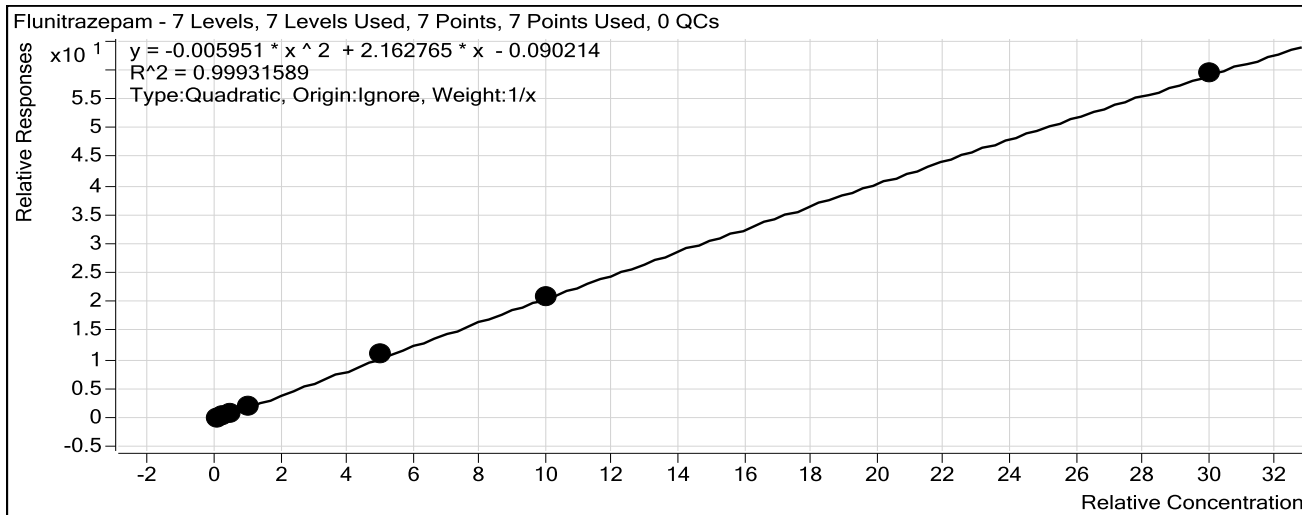
Batch Data Path C:\MassHunter\Data\2016\Combined\072216 CS\QuantResults\benzopoc722.batch.bin

Last Calib Update 7/25/2016 10:50 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	12.0	119.9
25 ng/mL	3	<input checked="" type="checkbox"/>	25	24.1	96.2
50 ng/mL	4	<input checked="" type="checkbox"/>	50	44.8	89.6
100 ng/mL	5	<input checked="" type="checkbox"/>	100	90.9	90.9
500 ng/mL	6	<input checked="" type="checkbox"/>	500	520.8	104.2
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	993.6	99.4
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	2998.8	100.0

ISP Forensics Calibration Curve Report

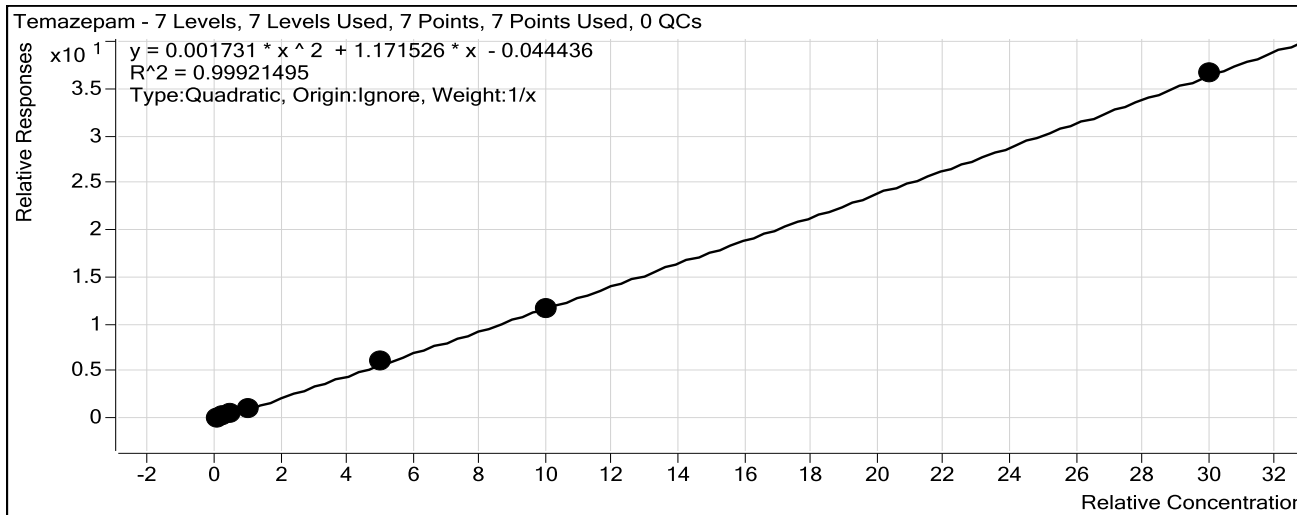
Batch Data Path C:\MassHunter\Data\2016\Combined\072216 CS\QuantResults\benzopoc722.batch.bin

Last Calib Update 7/25/2016 10:50 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	12.0	119.9
25 ng/mL	3	<input checked="" type="checkbox"/>	25	23.6	94.5
50 ng/mL	4	<input checked="" type="checkbox"/>	50	43.1	86.1
100 ng/mL	5	<input checked="" type="checkbox"/>	100	95.7	95.7
500 ng/mL	6	<input checked="" type="checkbox"/>	500	528.4	105.7
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	980.1	98.0
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	3002.1	100.1

ISP Forensics Calibration Curve Report

CS

Batch Data Path C:\MassHunter\Data\2016\Combined\072216 CS\QuantResults\benzopoc722.batch.bin

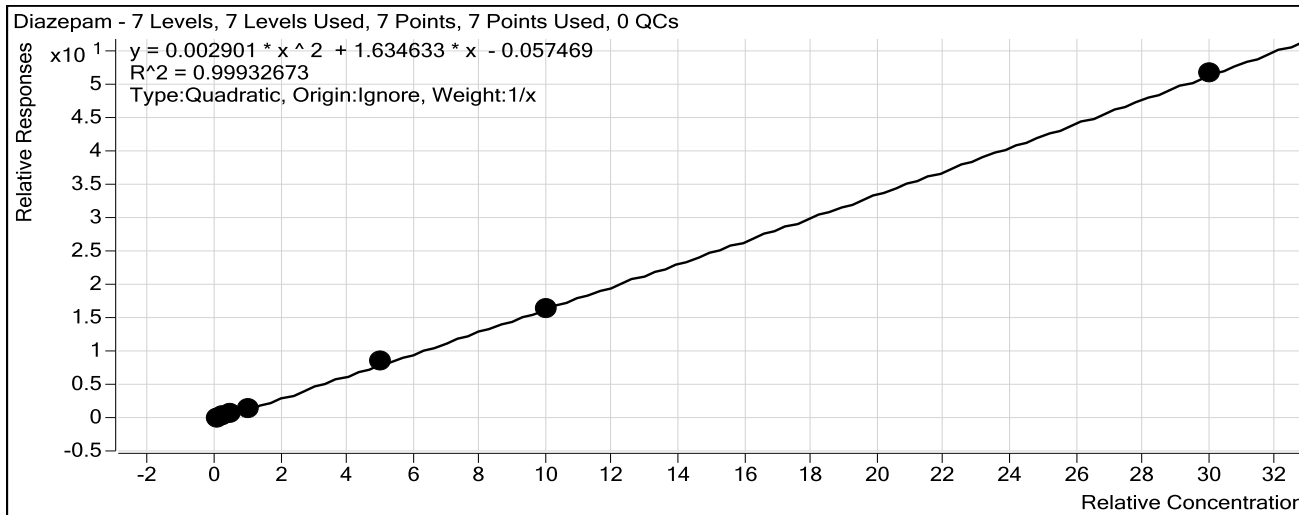
Last Calib Update 7/25/2016 10:50 AM

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	11.6	116.0
25 ng/mL	3	<input checked="" type="checkbox"/>	25	24.3	97.4
50 ng/mL	4	<input checked="" type="checkbox"/>	50	44.0	88.1
100 ng/mL	5	<input checked="" type="checkbox"/>	100	94.9	94.9
500 ng/mL	6	<input checked="" type="checkbox"/>	500	527.4	105.5
1000 ng/mL	7	<input checked="" type="checkbox"/>	1000	980.7	98.1
3000 ng/mL	8	<input checked="" type="checkbox"/>	3000	3002.1	100.1

ISP FORENSICS

Pocatello

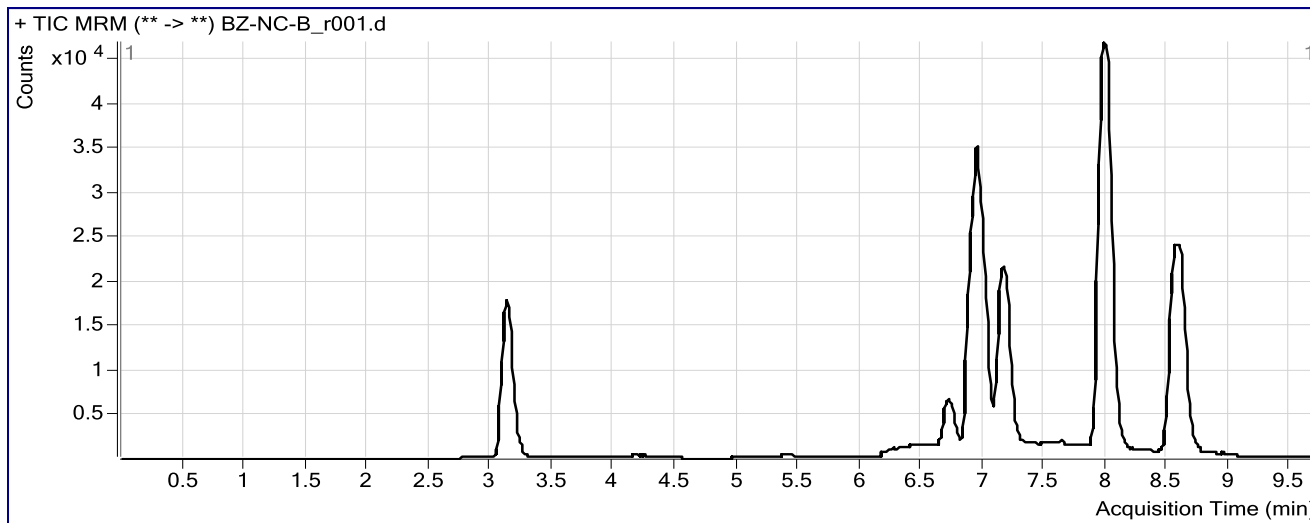
Benzodiazepine Analysis Report

Batch Data Path C:\MassHunter\Data\2016\Combined\072216 CS\QuantResults\benzopoc722.batch.bin
Analysis Time 7/25/2016 10:50 AM **Analyst Name** ISPUser
Report Time 7/25/2016 10:52 AM **Reporter Name** ISPUser
Last Calib Update 7/25/2016 10:50 AM **Batch State** Processed

Analysis Info

Acq Time 2016-07-22 23:38 **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



CS

ISP FORENSICS

Pocatello

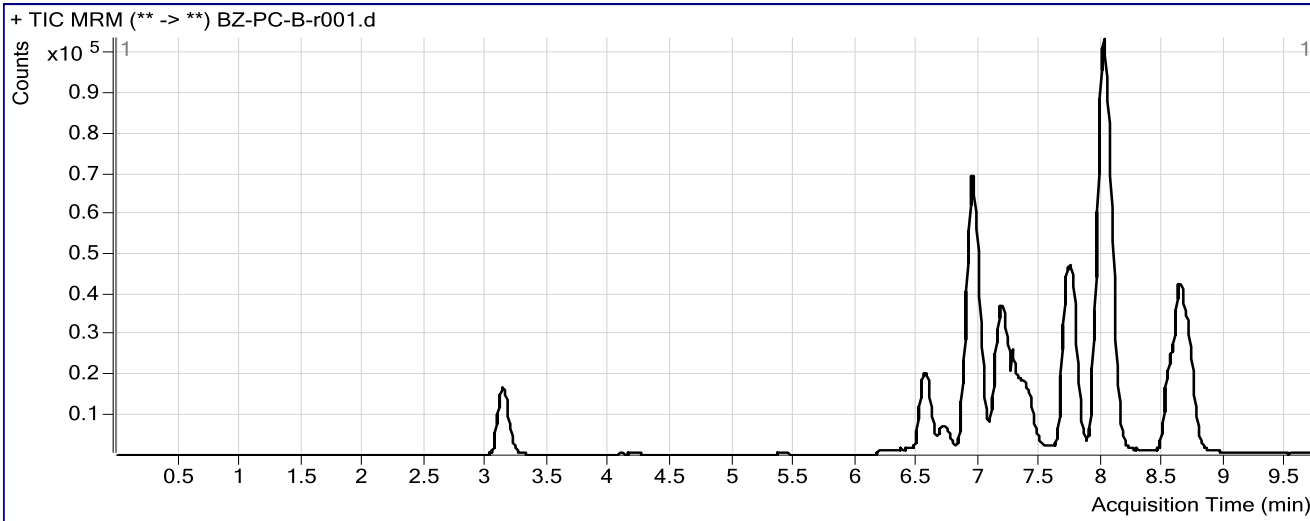
Benzodiazepine Analysis Report

Batch Data Path C:\MassHunter\Data\2016\Combined\072216 CS\QuantResults\benzopoc722.batch.bin
Analysis Time 7/25/2016 10:50 AM **Analyst Name** ISPUser
Report Time 7/25/2016 10:52 AM **Reporter Name** ISPUser
Last Calib Update 7/25/2016 10:50 AM **Batch State** Processed

Analysis Info

Acq Time 2016-07-22 23:54 **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	6.557	77177	107478	0.7181	107.5889
Oxazepam	Nordiazepam-D5 ISTD	6.942	140898	71268	1.9770	87.4208
Clonazepam	Clonazepam-D4 ISTD	7.192	84973	107478	0.7906	104.6327
Lorazepam	Nordiazepam-D5 ISTD	7.284	21439	71268	0.3008	94.4641
Alprazolam	alphanhydroxyalprazolam-D5 ISTD	7.379	96185	20295	4.7393	119.8811
Flunitrazepam	Clonazepam-D4 ISTD	7.723	234278	107478	2.1798	105.2622
Temazepam	Temazepam-D5 ISTD	8.020	386723	313920	1.2319	108.7728
Diazepam	Diazepam-D5 ISTD	8.658	187043	119384	1.5667	99.1872