

Worklist: 1472

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK_ID</u>	<u>DESCRIPTION</u>	
C2017-0035	2	73847	AM 13 Blood LCMS-QQQ Benz	
P2016-1910	1	73828	AM 13 Blood LCMS-QQQ Benz	
P2016-2020	1	73830	AM 13 Blood LCMS-QQQ Benz	
P2016-2184	1	73832	AM 13 Blood LCMS-QQQ Benz	
P2016-2204	1 <i>CONS</i>	73833	AM 13 Blood LCMS-QQQ Benz	
P2016-2223	1	73835	AM 13 Blood LCMS-QQQ Benz	
P2016-2234	1	73836	AM 13 Blood LCMS-QQQ Benz	
P2016-2311	1	73838	AM 13 Blood LCMS-QQQ Benz	
P2016-2320	1	73839	AM 13 Blood LCMS-QQQ Benz	
P2016-2362	1	73841	AM 13 Blood LCMS-QQQ Benz	
P2016-2649	1	73842	AM 13 Blood LCMS-QQQ Benz	
P2016-2650	1	73843	AM 13 Blood LCMS-QQQ Benz	
P2016-2729	1	73845	AM 13 Blood LCMS-QQQ Benz	

ISP FORENSICS - Cd'A Instrument # 62340

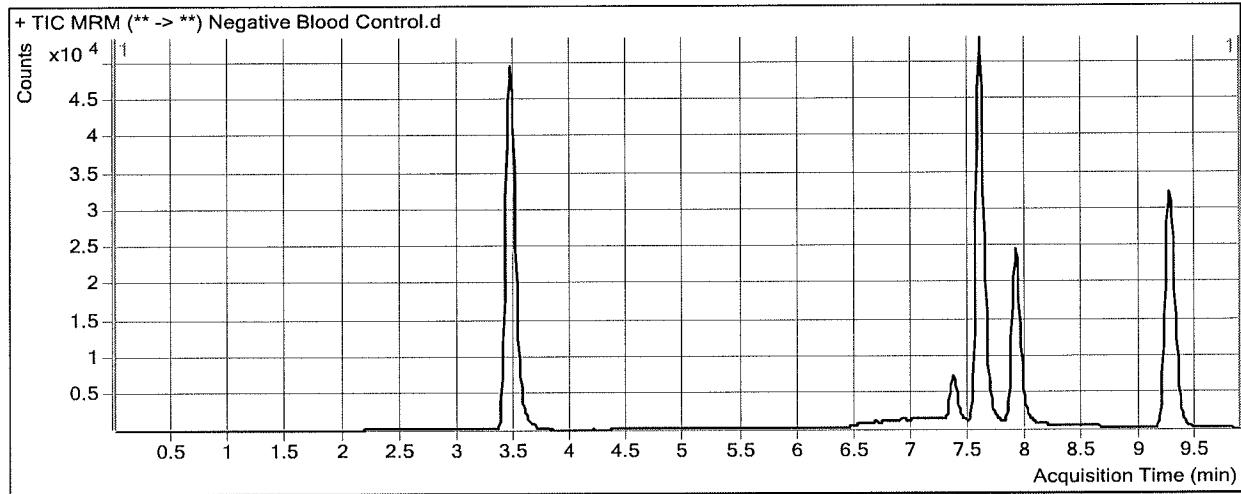
Benzodiazepine Analysis Report

Batch Data Path D:\2017 Data\1-10-17 blood Benzo THC confirm\QuantResults\1-10-17 Blood Benz.batch.bin
Analysis Time 1/10/2017 3:53 PM **Analyst Name** ISP Tox
Report Time 1/10/2017 3:54 PM **Reporter Name** ISP Tox
Last Calib Update 1/10/2017 3:53 PM **Batch State** Processed

Analysis Info

Acq Time 2017-01-10 12:04 **Data File** Negative Blood Control.d
Sample Type Sample **Sample Name** Negative Blood Control
Dilution 1 **Acq Method** Benzos_Z_Drugs_ACN_FA_ISP 2016.m
Position P2-A8 **Sample Info** Negative blood lot B0130
Inj Vol -1 **Comment** AM 13 Benzo and Z by LCQQQ

Sample Chromatogram



ISP FORENSICS - Cd'A Instrument # 62340

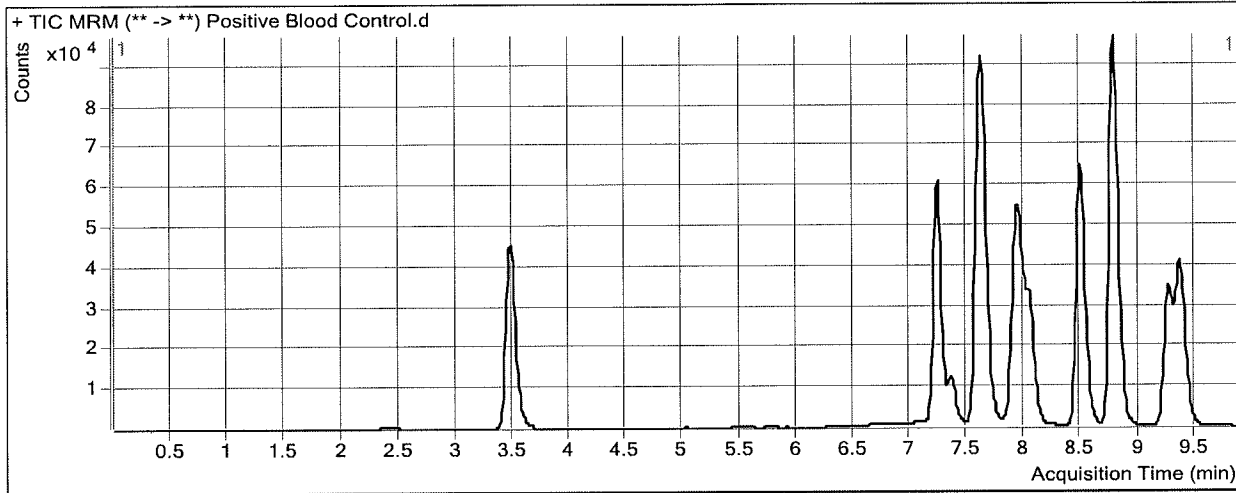
Benzodiazepine Analysis Report

Batch Data Path D:\2017 Data\1-10-17 blood Benzo THC confirm\QuantResults\1-10-17 Blood Benz.batch.bin
Analysis Time 1/10/2017 3:53 PM **Analyst Name** ISP Tox
Report Time 1/10/2017 3:54 PM **Reporter Name** ISP Tox
Last Calib Update 1/10/2017 3:53 PM **Batch State** Processed

Analysis Info

Acq Time 2017-01-10 12:19 **Data File** Positive Blood Control.d
Sample Type Sample **Sample Name** Positive Blood Control
Dilution 1 **Acq Method** Benzos_Z_Drugs_ACN_FA_ISP 2016.m
Position P2-A9 **Sample Info** 100ng/mL Lot 101717 in neg sheep blood 321632-1
Inj Vol -1 **Comment** AM 13 Benzo and Z by LCQQQ

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Nitrazepam	Clonazepam-D4 ISTD	7.233	196216	109331	1.7947	354.2646
Oxazepam	Oxazepam D5 ISTD	7.637	175489	140739	1.2469	128.2764
Clonazepam	Clonazepam-D4 ISTD	7.937	135767	109331	1.2418	143.0990
Lorazepam	Oxazepam D5 ISTD	7.985	39572	140739	0.2812	103.3926
Alprazolam	alphahydroxyalprazolam-D5 ISTD	8.038	86531	31445	2.7518	118.2775
Flunitrazepam	Clonazepam-D4 ISTD	8.480	269823	109331	2.4679	217.8826
Temazepam	Oxazepam D5 ISTD	8.765	439834	140739	3.1252	275.5334
Diazepam	Diazepam-D5 ISTD	9.360	165811	109942	1.5082	147.5188

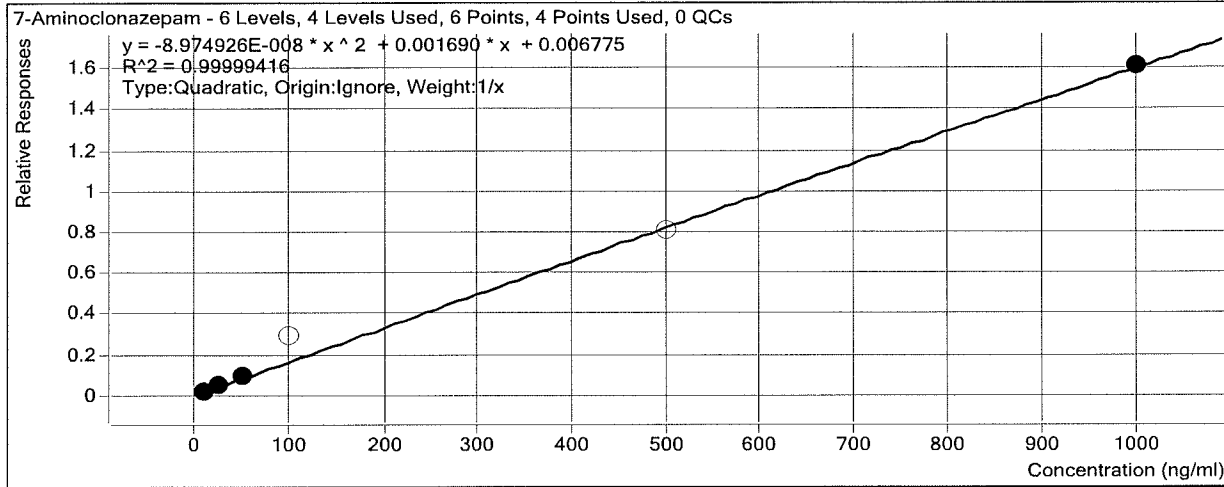
AW

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\1-10-17 blood Benzo THC confirm\QuantResults\1-10-17 Blood Benz.batch.bin

Last Calib Update 1/10/2017 3:53 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	10.1	100.7
25 ng/mL	4	<input checked="" type="checkbox"/>	25	24.7	98.8
50 ng/mL	5	<input checked="" type="checkbox"/>	50	50.2	100.5
100 ng/mL	6	<input type="checkbox"/>	100	171.5	171.5
500 ng/mL	7	<input type="checkbox"/>	500	489.0	97.8
1000 ng/mL	8	<input checked="" type="checkbox"/>	1000	1000.0	100.0

ATW

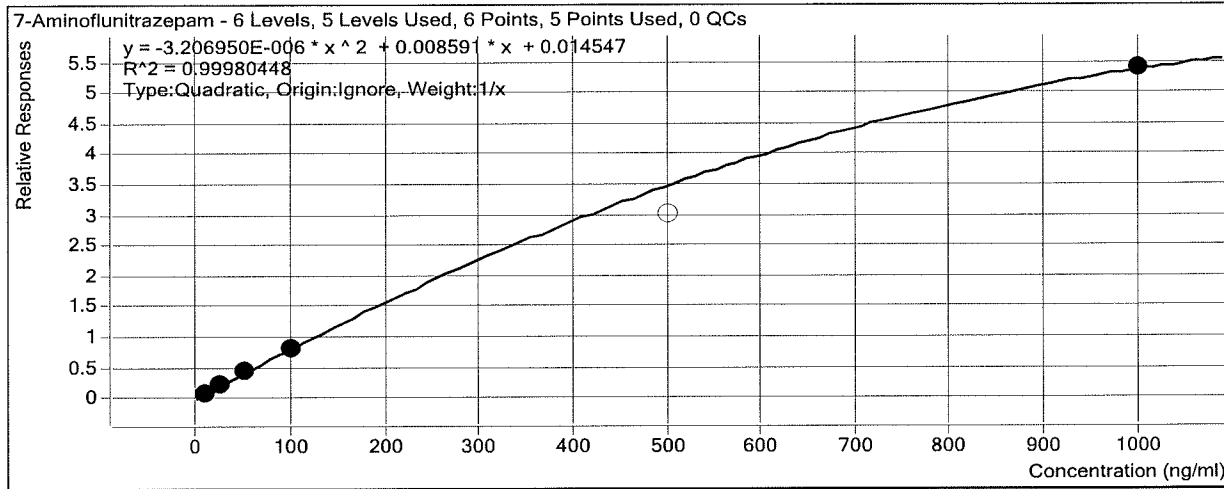
ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\1-10-17 blood Benzo THC confirm\QuantResults\1-10-17 Blood Benz.batch.bin

Last Calib Update 1/10/2017 3:53 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	9.9	98.9
25 ng/mL	4	<input checked="" type="checkbox"/>	25	24.7	99.0
50 ng/mL	5	<input checked="" type="checkbox"/>	50	51.8	103.7
100 ng/mL	6	<input checked="" type="checkbox"/>	100	98.4	98.4
500 ng/mL	7	<input type="checkbox"/>	500	414.6	82.9
1000 ng/mL	8	<input checked="" type="checkbox"/>	1000	1000.3	100.0

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\1-10-17 blood Benzo THC confirm\QuantResults\1-10-17 Blood Benz.batch.bin

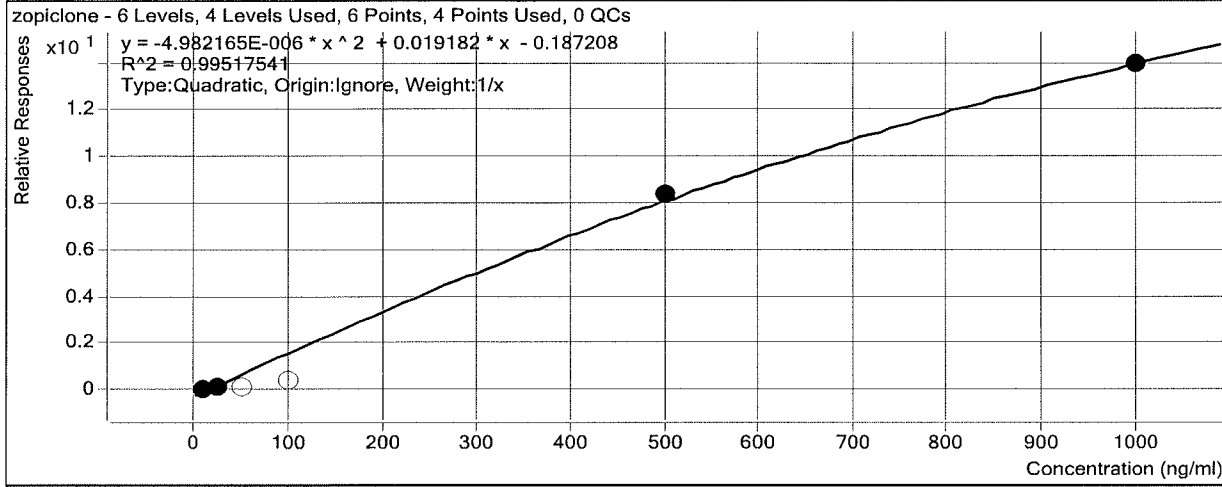
Last Calib Update 1/10/2017 3:53 PM

Analyst Name ISP TOX

Target Compound zopiclone

compound not evaluated in this batch /bw

Internal Standard Oxazepam D5 ISTD



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	13.3	132.8
25 ng/mL	4	<input checked="" type="checkbox"/>	25	16.4	65.4
50 ng/mL	5	<input type="checkbox"/>	50	18.7	37.4
100 ng/mL	6	<input type="checkbox"/>	100	29.1	29.1
500 ng/mL	7	<input checked="" type="checkbox"/>	500	513.9	102.8
1000 ng/mL	8	<input checked="" type="checkbox"/>	1000	989.8	99.0

ISP Forensics Calibration Curve Report

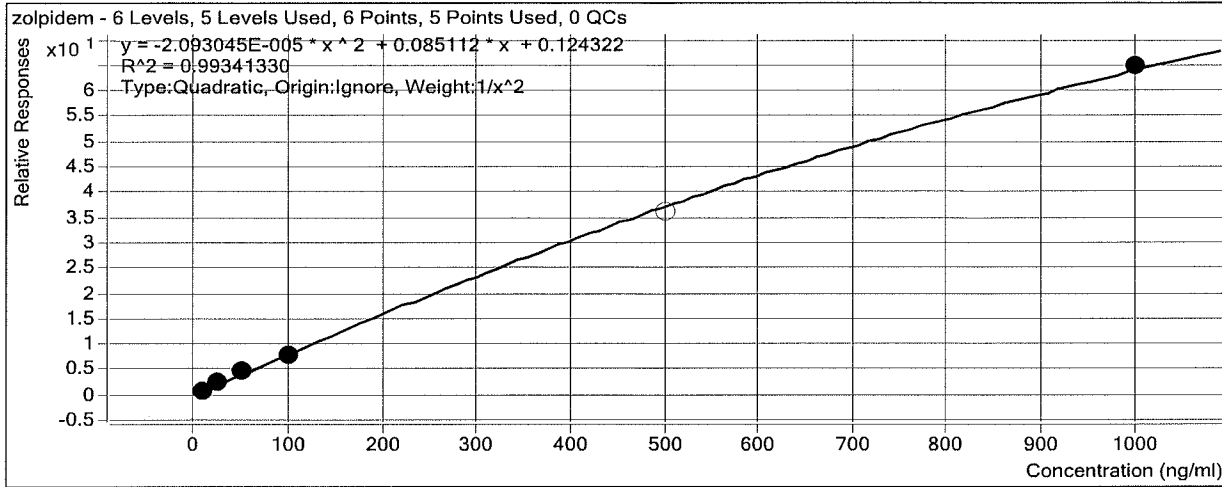
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Last Calib Update 1/10/2017 3:53 PM

Analyst Name ISP TOX

Target Compound zolpidem

Internal Standard Oxazepam D5 ISTD



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	9.8	97.7
25 ng/mL	4	<input checked="" type="checkbox"/>	25	26.4	105.5
50 ng/mL	5	<input checked="" type="checkbox"/>	50	52.7	105.3
100 ng/mL	6	<input checked="" type="checkbox"/>	100	90.8	90.8
500 ng/mL	7	<input type="checkbox"/>	500	480.0	96.0
1000 ng/mL	8	<input checked="" type="checkbox"/>	1000	1010.0	101.0

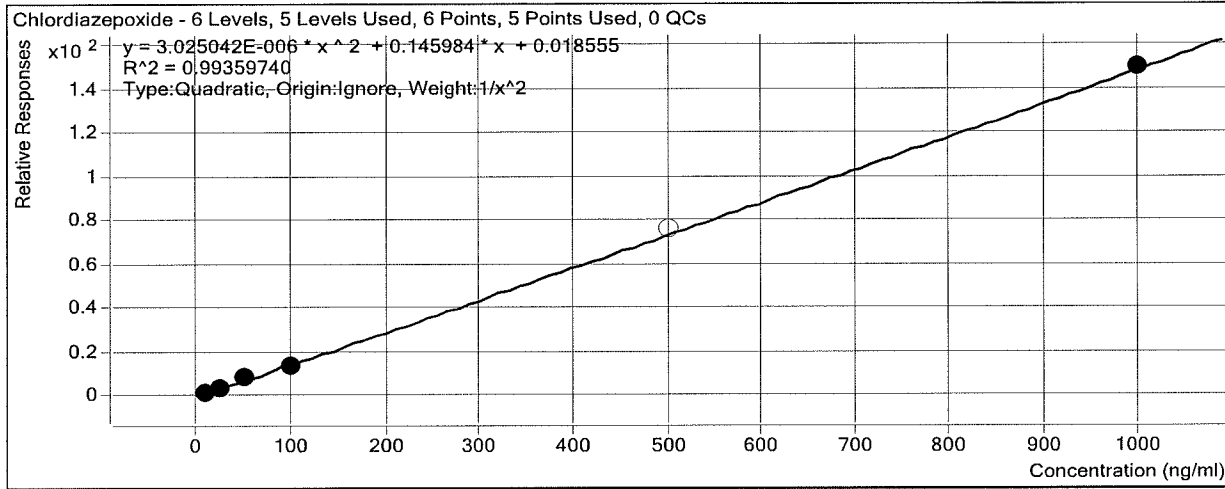
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ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\1-10-17 blood Benzo THC confirm\QuantResults\1-10-17 Blood Benz.batch.bin

Last Calib Update 1/10/2017 3:53 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	10.0	100.1
25 ng/mL	4	<input checked="" type="checkbox"/>	25	24.1	96.4
50 ng/mL	5	<input checked="" type="checkbox"/>	50	55.1	110.3
100 ng/mL	6	<input checked="" type="checkbox"/>	100	92.9	92.9
500 ng/mL	7	<input type="checkbox"/>	500	515.9	103.2
1000 ng/mL	8	<input checked="" type="checkbox"/>	1000	1002.7	100.3

BW

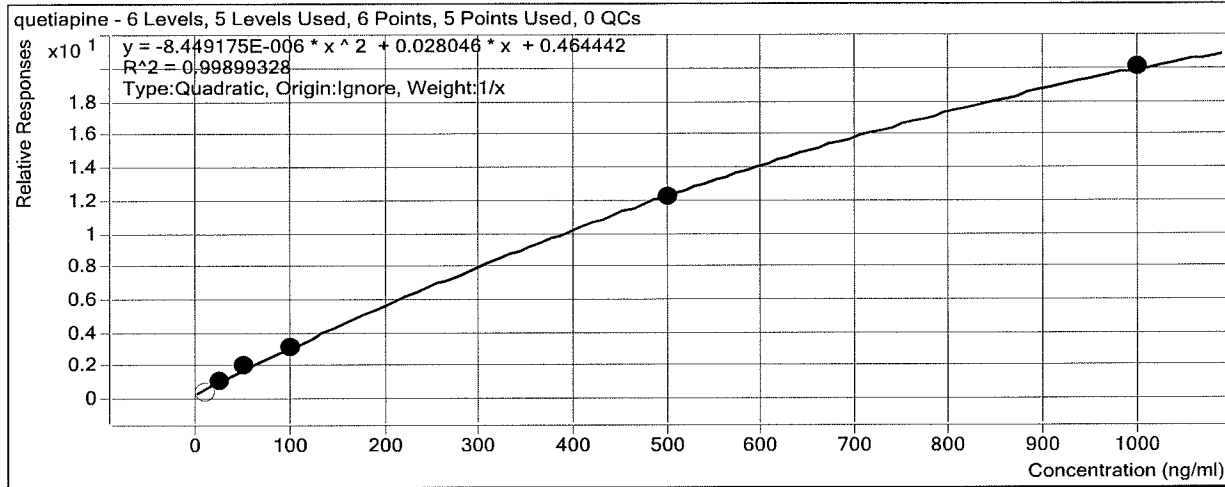
ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\1-10-17 blood Benzo THC confirm\QuantResults\1-10-17 Blood Benz.batch.bin

Last Calib Update 1/10/2017 3:53 PM

Analyst Name ISP TOX

Target Compound *quetiapine*
Internal Standard *Oxazepam D5 ISTD*



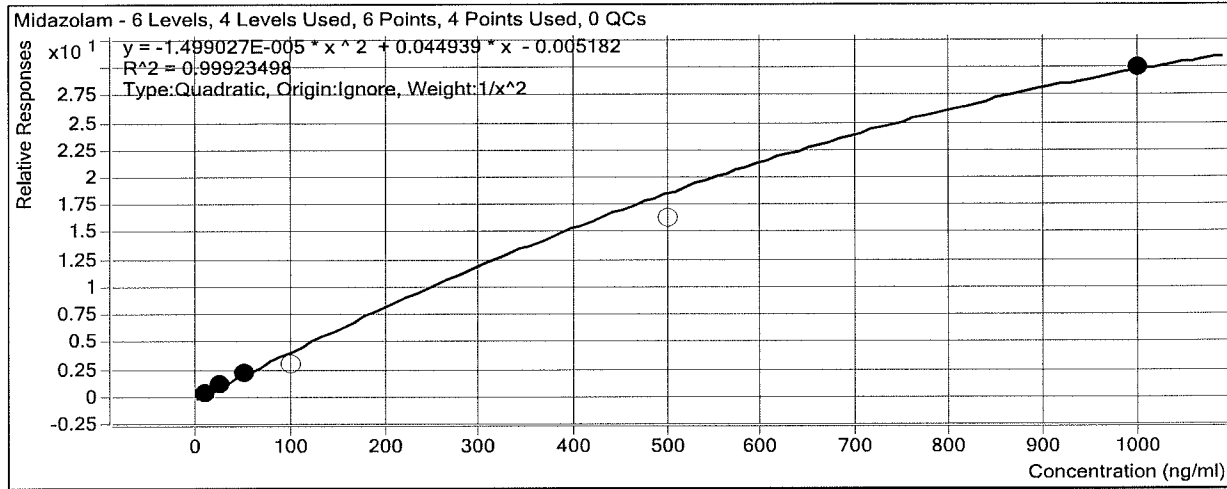
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input type="checkbox"/>	10	0.0	0.0
25 ng/mL	4	<input checked="" type="checkbox"/>	25	22.9	91.8
50 ng/mL	5	<input checked="" type="checkbox"/>	50	55.3	110.7
100 ng/mL	6	<input checked="" type="checkbox"/>	100	98.1	98.1
500 ng/mL	7	<input checked="" type="checkbox"/>	500	496.3	99.3
1000 ng/mL	8	<input checked="" type="checkbox"/>	1000	1003.2	100.3

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\1-10-17 blood Benzo THC confirm\QuantResults\1-10-17 Blood Benz.batch.bin

Last Calib Update 1/10/2017 3:53 PM **Analyst Name** ISP TOX

Target Compound Midazolam
Internal Standard Clonazepam-D4 ISTD



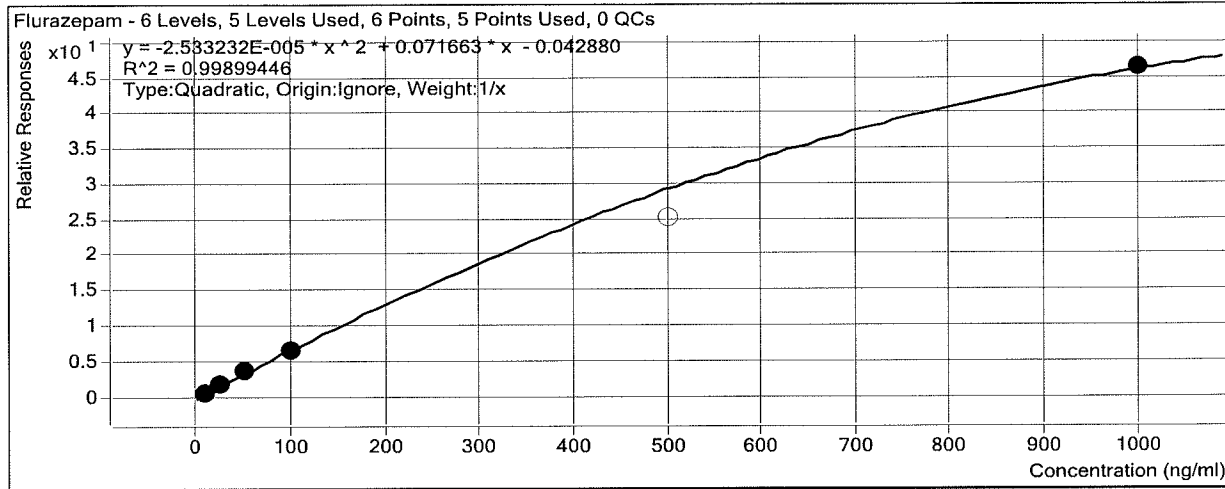
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	9.9	99.4
25 ng/mL	4	<input checked="" type="checkbox"/>	25	25.6	102.5
50 ng/mL	5	<input checked="" type="checkbox"/>	50	49.0	98.1
100 ng/mL	6	<input type="checkbox"/>	100	66.7	66.7
500 ng/mL	7	<input type="checkbox"/>	500	421.3	84.3
1000 ng/mL	8	<input checked="" type="checkbox"/>	1000	1001.2	100.1

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\1-10-17 blood Benzo THC confirm\QuantResults\1-10-17 Blood Benz.batch.bin

Last Calib Update 1/10/2017 3:53 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	9.4	93.6
25 ng/mL	4	<input checked="" type="checkbox"/>	25	25.8	103.1
50 ng/mL	5	<input checked="" type="checkbox"/>	50	53.7	107.4
100 ng/mL	6	<input checked="" type="checkbox"/>	100	95.8	95.8
500 ng/mL	7	<input type="checkbox"/>	500	411.0	82.2
1000 ng/mL	8	<input checked="" type="checkbox"/>	1000	1000.7	100.1

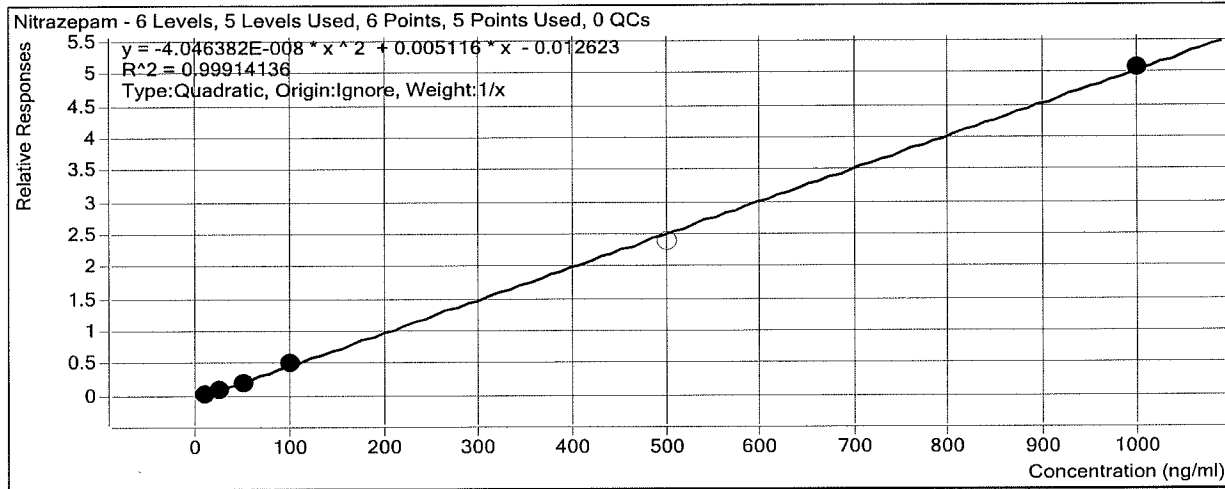
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ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\1-10-17 blood Benzo THC confirm\QuantResults\1-10-17 Blood Benz.batch.bin

Last Calib Update 1/10/2017 3:53 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	10.8	107.9
25 ng/mL	4	<input checked="" type="checkbox"/>	25	24.2	97.0
50 ng/mL	5	<input checked="" type="checkbox"/>	50	44.9	89.9
100 ng/mL	6	<input checked="" type="checkbox"/>	100	105.3	105.3
500 ng/mL	7	<input type="checkbox"/>	500	470.5	94.1
1000 ng/mL	8	<input checked="" type="checkbox"/>	1000	999.7	100.0

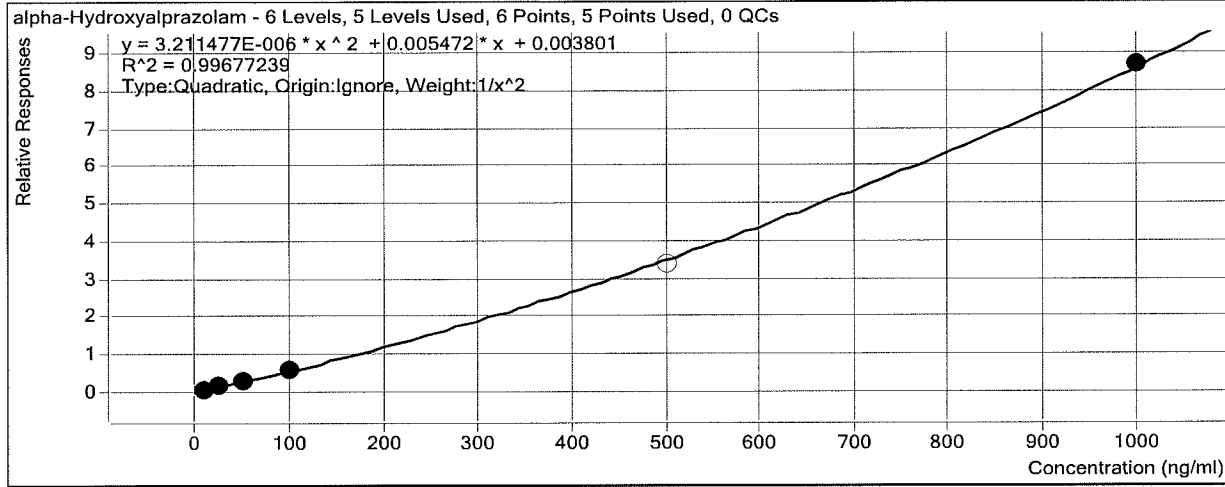
ISP

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\1-10-17 blood Benzo THC confirm\QuantResults\1-10-17 Blood Benz.batch.bin

Last Calib Update 1/10/2017 3:53 PM **Analyst Name** ISP TOX

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



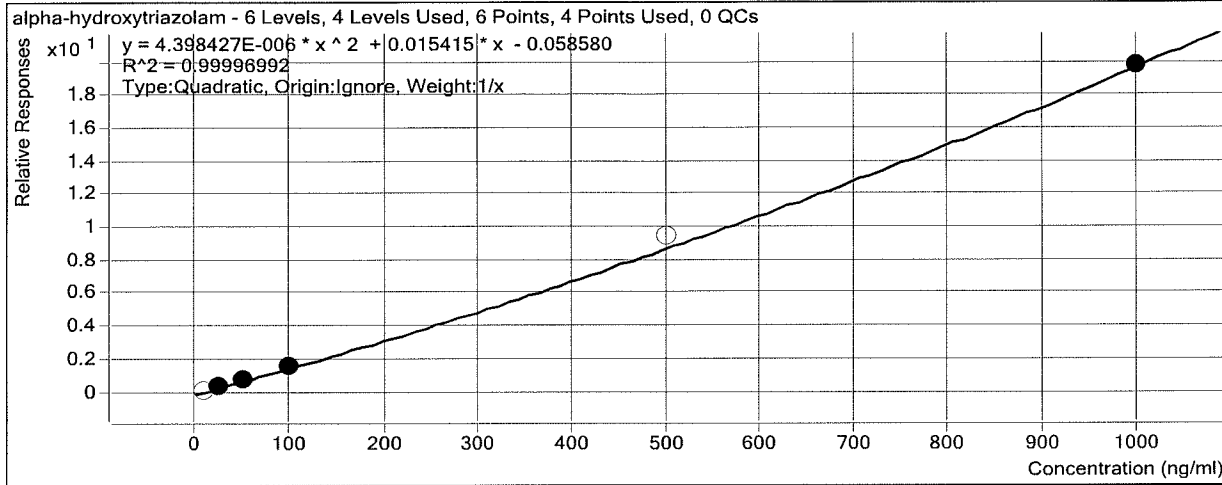
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ngmL	2	<input checked="" type="checkbox"/>	10	9.7	97.2
25 ngmL	4	<input checked="" type="checkbox"/>	25	27.4	109.7
50 ngmL	5	<input checked="" type="checkbox"/>	50	47.8	95.6
100 ngmL	6	<input checked="" type="checkbox"/>	100	97.4	97.4
500 ngmL	7	<input type="checkbox"/>	500	484.3	96.9
1000 ngmL	8	<input checked="" type="checkbox"/>	1000	1001.4	100.1

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\1-10-17 blood Benzo THC confirm\QuantResults\1-10-17 Blood Benz.batch.bin

Last Calib Update 1/10/2017 3:53 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 type="checkbox"/>	10	12.6	125.7
25 ng/mL	4	<input checked="" type="checkbox"/>	25	25.4	101.6
50 ng/mL	5	<input checked="" type="checkbox"/>	50	48.8	97.5
100 ng/mL	6	<input checked="" type="checkbox"/>	100	100.8	100.8
500 ng/mL	7	<input type="checkbox"/>	500	536.8	107.4
1000 ng/mL	8	<input checked="" type="checkbox"/>	1000	1000.0	100.0

BW

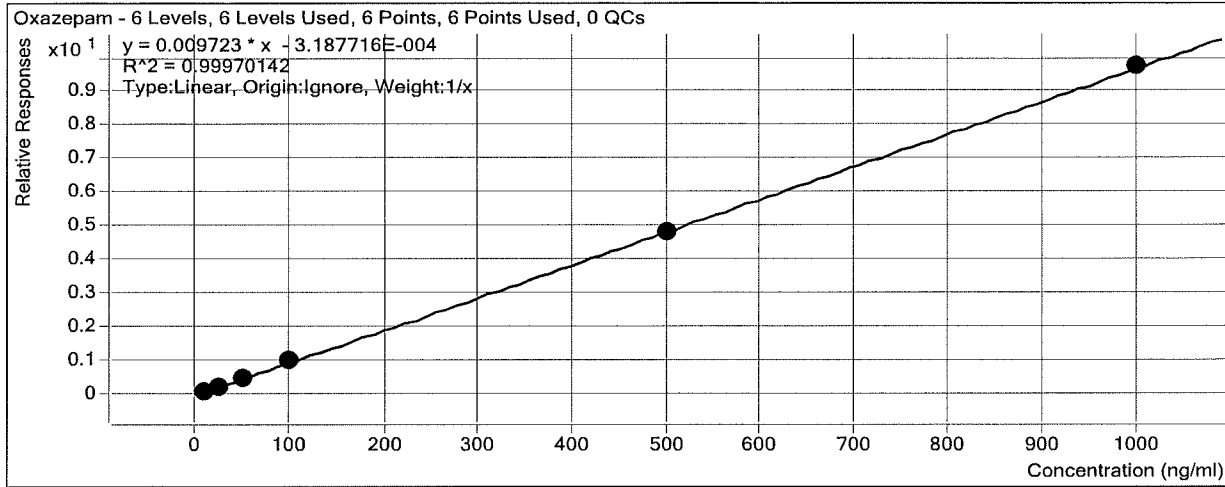
ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\1-10-17 blood Benzo THC confirm\QuantResults\1-10-17 Blood Benz.batch.bin

Last Calib Update 1/10/2017 3:53 PM

Analyst Name ISP TOX

Target Compound Oxazepam
Internal Standard Oxazepam 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	4	<input checked="" type="checkbox"/>	25	23.5	93.9
50 ng/mL	5	<input checked="" type="checkbox"/>	50	49.6	99.2
100 ng/mL	6	<input checked="" type="checkbox"/>	100	105.3	105.3
500 ng/mL	7	<input checked="" type="checkbox"/>	500	494.7	98.9
1000 ng/mL	8	<input checked="" type="checkbox"/>	1000	1001.6	100.2

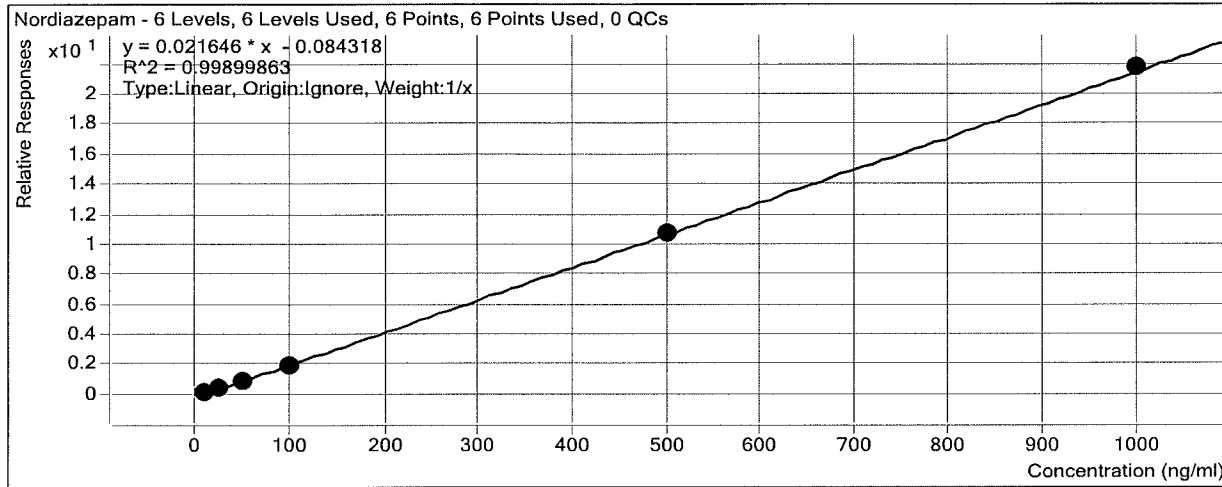
BW

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\1-10-17 blood Benzo THC confirm\QuantResults\1-10-17 Blood Benz.batch.bin

Last Calib Update 1/10/2017 3:53 PM **Analyst Name** ISP TOX

Target Compound Nordiazepam
Internal Standard Nordiazepam-D5 ISTD



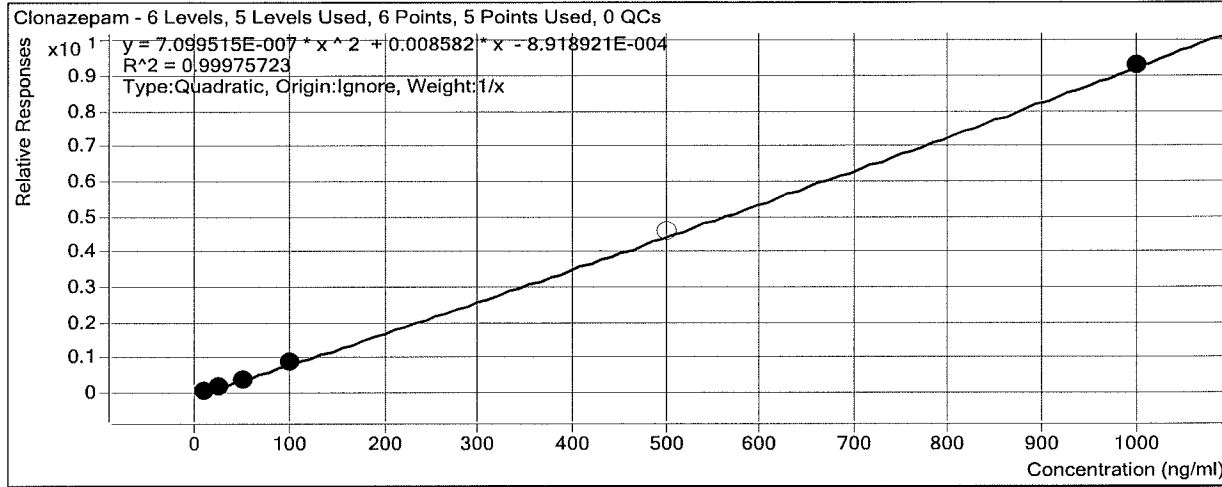
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	11.9	119.3
25 ng/mL	4	<input checked="" type="checkbox"/>	25	24.0	96.0
50 ng/mL	5	<input checked="" type="checkbox"/>	50	45.3	90.7
100 ng/mL	6	<input checked="" type="checkbox"/>	100	92.6	92.6
500 ng/mL	7	<input checked="" type="checkbox"/>	500	503.0	100.6
1000 ng/mL	8	<input checked="" type="checkbox"/>	1000	1008.2	100.8

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\1-10-17 blood Benzo THC confirm\QuantResults\1-10-17 Blood Benz.batch.bin

Last Calib Update 1/10/2017 3:53 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	10.5	105.0
25 ng/mL	4	<input checked="" type="checkbox"/>	25	24.4	97.5
50 ng/mL	5	<input checked="" type="checkbox"/>	50	47.2	94.4
100 ng/mL	6	<input checked="" type="checkbox"/>	100	103.0	103.0
500 ng/mL	7	<input type="checkbox"/>	500	512.2	102.4
1000 ng/mL	8	<input checked="" type="checkbox"/>	1000	999.9	100.0

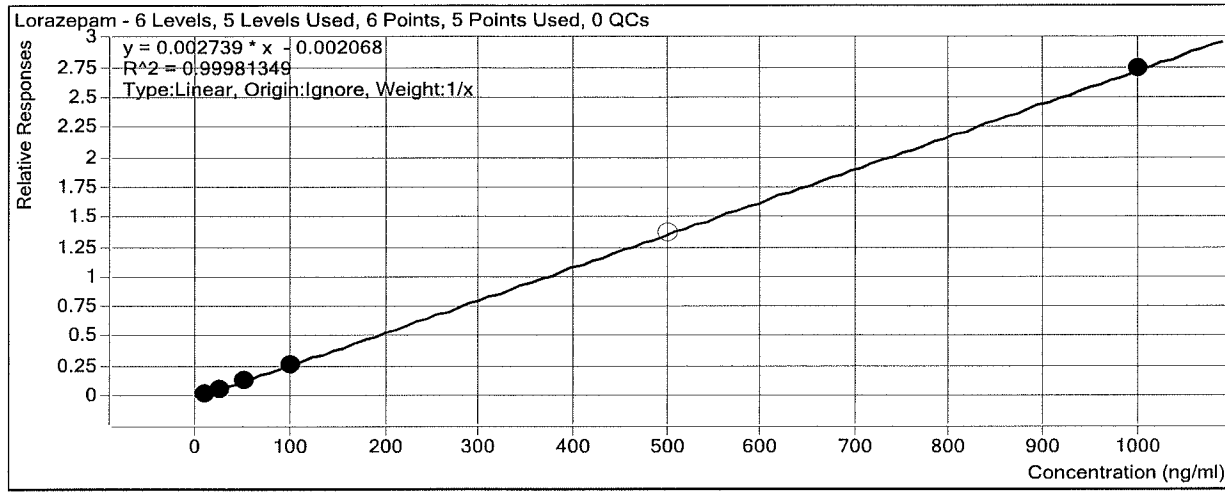
BO

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\1-10-17 blood Benzo THC confirm\QuantResults\1-10-17 Blood Benz.batch.bin

Last Calib Update 1/10/2017 3:53 PM **Analyst Name** ISP TOX

Target Compound Lorazepam
Internal Standard Oxazepam D5 ISTD



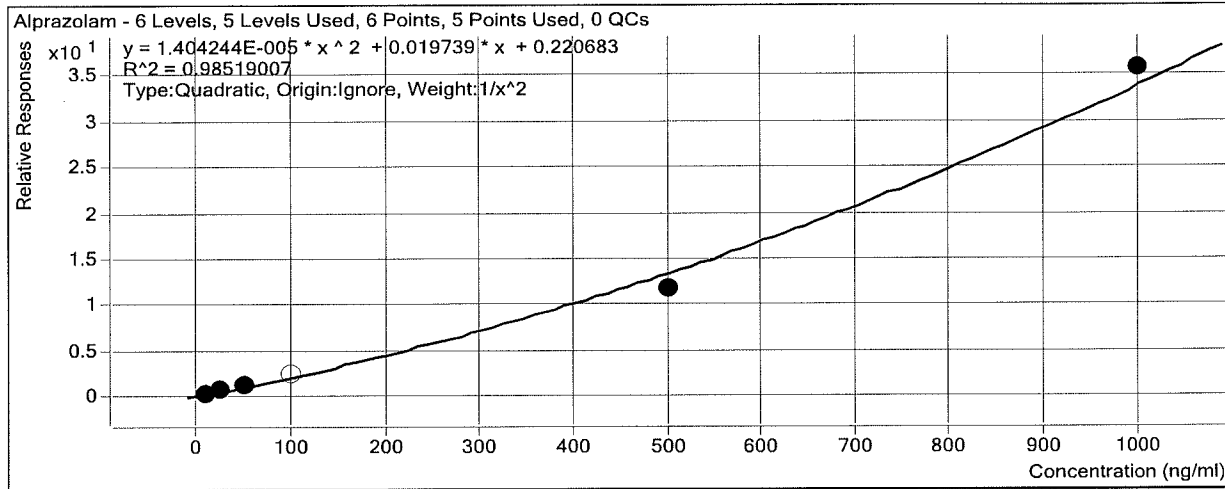
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	10.5	104.5
25 ng/mL	4	<input checked="" type="checkbox"/>	25	23.2	92.8
50 ng/mL	5	<input checked="" type="checkbox"/>	50	51.5	102.9
100 ng/mL	6	<input checked="" type="checkbox"/>	100	99.7	99.7
500 ng/mL	7	<input type="checkbox"/>	500	499.9	100.0
1000 ng/mL	8	<input checked="" type="checkbox"/>	1000	1000.2	100.0

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\1-10-17 blood Benzo THC confirm\QuantResults\1-10-17 Blood Benz.batch.bin

Last Calib Update 1/10/2017 3:53 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	9.3	93.2
25 ng/mL	4	<input checked="" type="checkbox"/>	25	29.8	119.1
50 ng/mL	5	<input checked="" type="checkbox"/>	50	48.1	96.3
100 ng/mL	6	<input type="checkbox"/>	100	111.3	111.3
500 ng/mL	7	<input checked="" type="checkbox"/>	500	447.6	89.5
1000 ng/mL	8	<input checked="" type="checkbox"/>	1000	1034.9	103.5

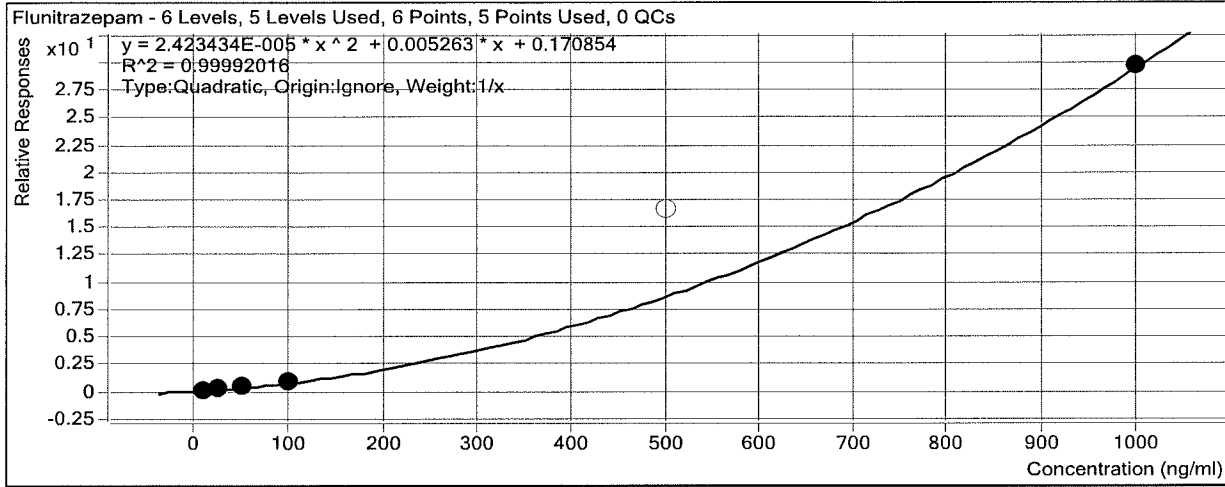
ISP

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\1-10-17 blood Benzo THC confirm\QuantResults\1-10-17 Blood Benz.batch.bin

Last Calib Update 1/10/2017 3:53 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	8.9	88.8
25 ng/mL	4	<input checked="" type="checkbox"/>	25	29.7	118.9
50 ng/mL	5	<input checked="" type="checkbox"/>	50	45.3	90.7
100 ng/mL	6	<input checked="" type="checkbox"/>	100	101.1	101.1
500 ng/mL	7	<input type="checkbox"/>	500	724.3	144.9
1000 ng/mL	8	<input checked="" type="checkbox"/>	1000	1000.0	100.0

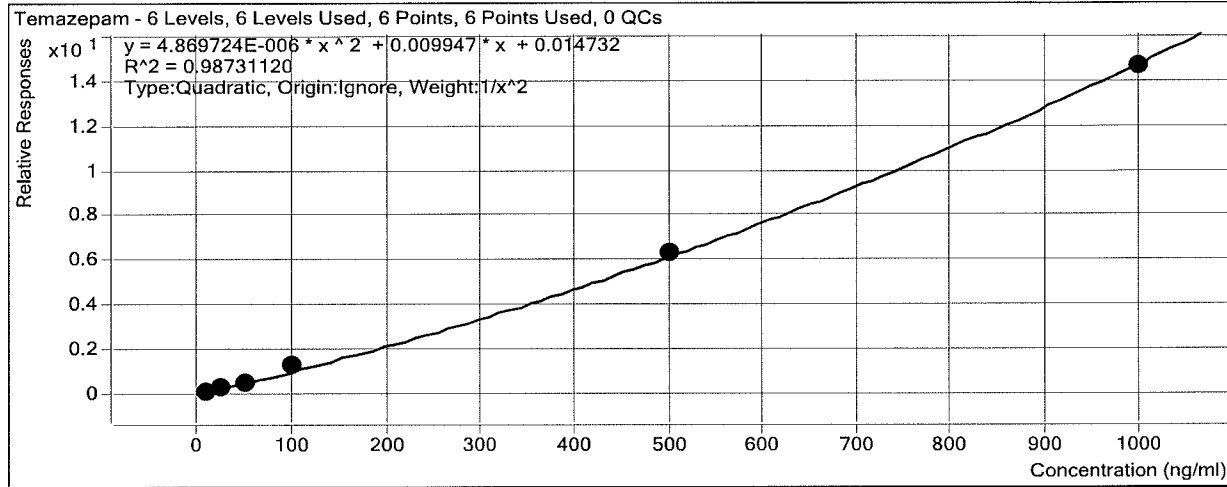
ISP

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\1-10-17 blood Benzo THC confirm\QuantResults\1-10-17 Blood Benz.batch.bin

Last Calib Update 1/10/2017 3:53 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
10 ng/mL	2	<input checked="" type="checkbox"/>	10	10.3	103.1
25 ng/mL	4	<input checked="" type="checkbox"/>	25	24.2	96.8
50 ng/mL	5	<input checked="" type="checkbox"/>	50	41.3	82.6
100 ng/mL	6	<input checked="" type="checkbox"/>	100	116.5	116.5
500 ng/mL	7	<input checked="" type="checkbox"/>	500	506.6	101.3
1000 ng/mL	8	<input checked="" type="checkbox"/>	1000	990.6	99.1

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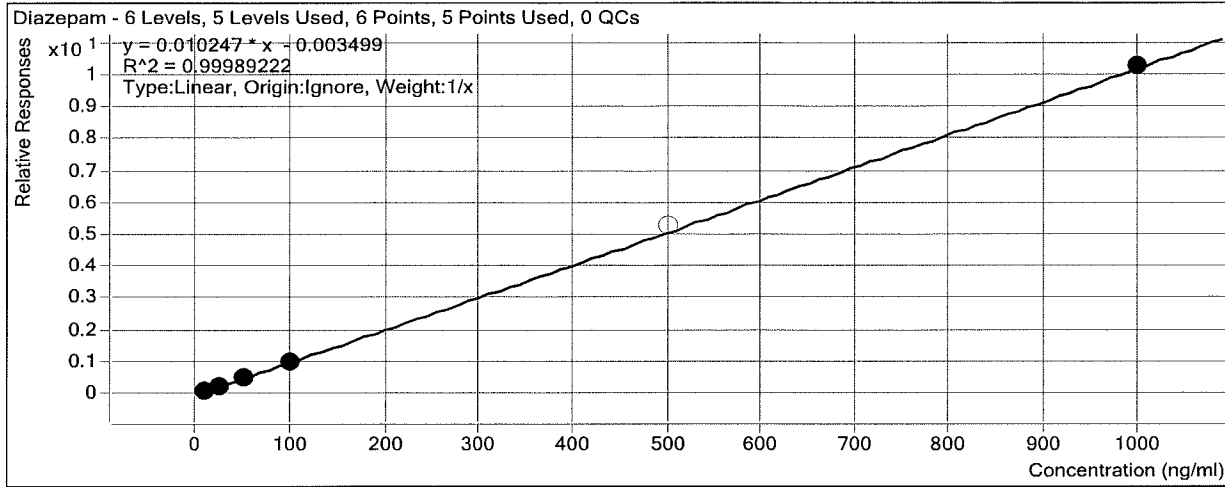
ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\1-10-17 blood Benzo THC confirm\QuantResults\1-10-17 Blood Benz.batch.bin

Last Calib Update 1/10/2017 3:53 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	10.6	106.0
25 ng/mL	4	<input checked="" type="checkbox"/>	25	23.7	94.7
50 ng/mL	5	<input checked="" type="checkbox"/>	50	49.5	99.1
100 ng/mL	6	<input checked="" type="checkbox"/>	100	100.2	100.2
500 ng/mL	7	<input type="checkbox"/>	500	518.4	103.7
1000 ng/mL	8	<input checked="" type="checkbox"/>	1000	1001.0	100.1

BW

ISP FORENSICS - Cd'A Instrument # 62340

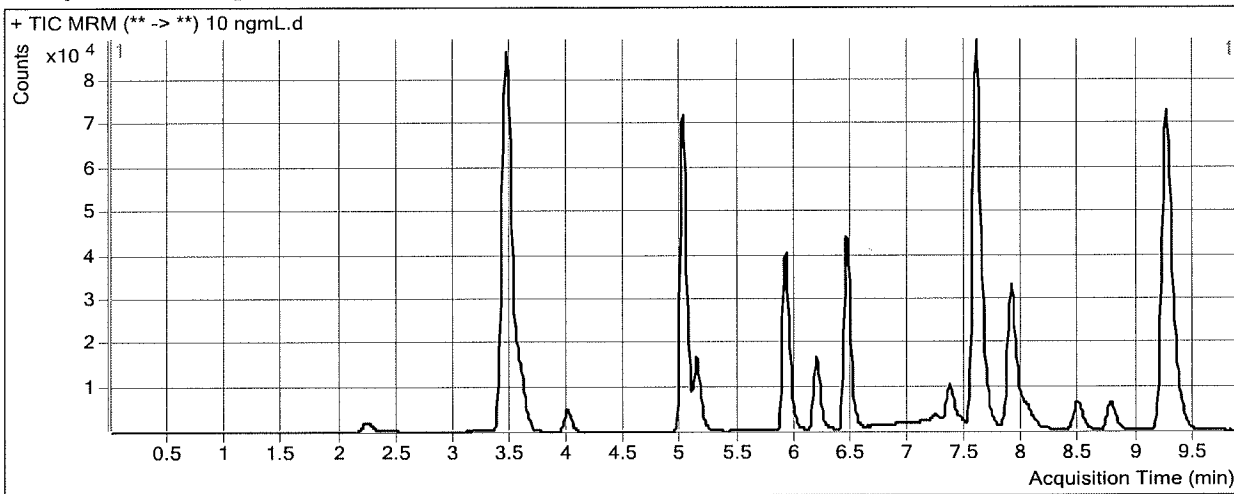
Benzodiazepine Analysis Report

Batch Data Path D:\2017 Data\1-10-17 blood Benzo THC confirm\QuantResults\1-10-17 Blood Benz.batch.bin
Analysis Time 1/10/2017 3:53 PM **Analyst Name** ISP Tox
Report Time 1/10/2017 3:54 PM **Reporter Name** ISP Tox
Last Calib Update 1/10/2017 3:53 PM **Batch State** Processed

Analysis Info

Acq Time 2017-01-10 10:21 **Data File** 10 ngmL.d
Sample Type Calibration **Sample Name** 10 ngmL
Dilution 1 **Acq Method** Benzos_Z_Drugs_ACN_FA_ISP 2016.m
Position P2-A2 **Sample Info** ppd 1/4/16- Unextracted
Inj Vol -1 **Comment** AM 13 Benzo and Z by LCQQQ

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
7-Aminoclonazepam	7-Aminoflunitrazepam-D7 ISTD	2.250	9909	416446	0.0238	10.0736
7-Aminoflunitrazepam	ISTD	3.587	41329	416446	0.0992	9.8950
zopiclone	Oxazepam D5 ISTD	3.990	15253	228616	0.0667	13.2839
zolpidem	Oxazepam D5 ISTD	5.012	217980	228616	0.9535	9.7654
Chlordiazepoxide	Nordiazepam-D5 ISTD	5.138	51237	34626	1.4797	10.0072
quetiapine	Oxazepam D5 ISTD	5.914	103847	228616	0.4542	0.0000
Midazolam	Clonazepam-D4 ISTD	6.192	52940	120310	0.4400	9.9400
Flurazepam	Diazepam-D5 ISTD	6.446	147945	236454	0.6257	9.3602
Nitrazepam	Clonazepam-D4 ISTD	7.225	5122	120310	0.0426	10.7899
alpha-Hydroxyalprazolam	alphahydroxyalprazolam-D5 ISTD	7.380	1338	23335	0.0573	9.7249
alpha-hydroxytriazolam	Nordiazepam-D5 ISTD	7.438	4703	34626	0.1358	12.5667
Oxazepam	Oxazepam D5 ISTD	7.628	22704	228616	0.0993	10.2469
Nordiazepam	Nordiazepam-D5 ISTD	7.680	6022	34626	0.1739	11.9298
Clonazepam	Clonazepam-D4 ISTD	7.929	10746	120310	0.0893	10.5021
Lorazepam	Oxazepam D5 ISTD	7.977	6074	228616	0.0266	10.4527
Alprazolam	alphahydroxyalprazolam-D5 ISTD	8.030	9471	23335	0.4059	9.3210
Flunitrazepam	Clonazepam-D4 ISTD	8.463	26404	120310	0.2195	8.8751
Temazepam	Oxazepam D5 ISTD	8.757	26926	228616	0.1178	10.3075
Diazepam	Diazepam-D5 ISTD	9.352	24849	236454	0.1051	10.5966

BO

ISP FORENSICS - Cd'A Instrument # 62340

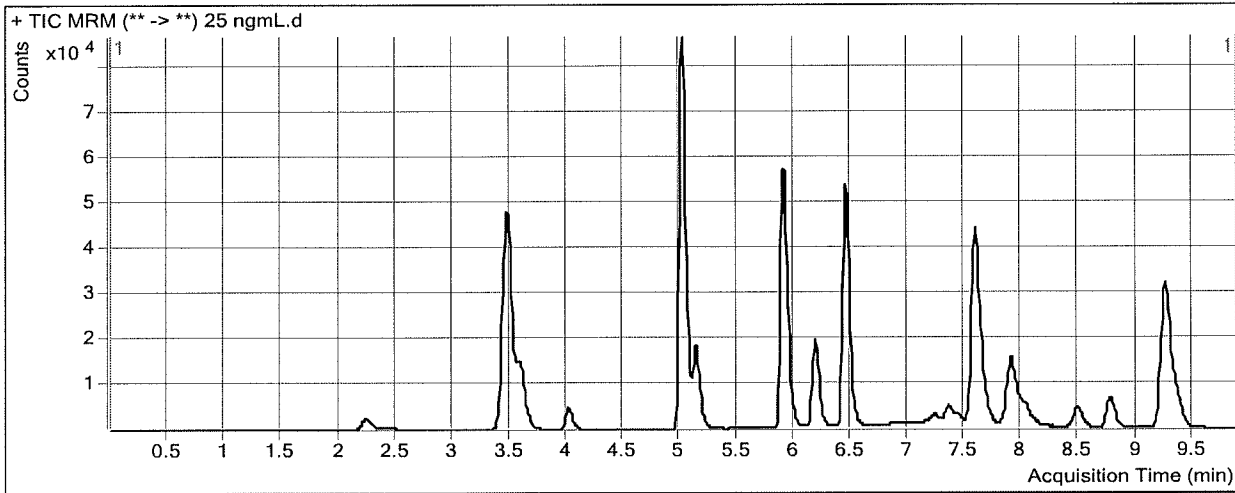
Benzodiazepine Analysis Report

Batch Data Path D:\2017 Data\1-10-17 blood Benzo THC confirm\QuantResults\1-10-17 Blood Benz.batch.bin
Analysis Time 1/10/2017 3:53 PM **Analyst Name** ISP Tox
Report Time 1/10/2017 3:54 PM **Reporter Name** ISP Tox
Last Calib Update 1/10/2017 3:53 PM **Batch State** Processed

Analysis Info

Acq Time 2017-01-10 10:36 **Data File** 25 ngmL.d
Sample Type Calibration **Sample Name** 25 ngmL
Dilution 1 **Acq Method** Benzos_Z_Drugs_ACN_FA_ISP 2016.m
Position P2-A3 **Sample Info** ppd 1/4/16- Unextracted
Inj Vol -1 **Comment** AM 13 Benzo and Z by LCQQQ

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
7-Aminoclonazepam	7-Aminoflunitrazepam-D7 ISTD	2.250	10703	220799	0.0485	24.7005
7-Aminoflunitrazepam	7-Aminoflunitrazepam-D7 ISTD	3.587	49710	220799	0.2251	24.7406
zopiclone	Oxazepam D5 ISTD	4.007	13878	110787	0.1253	16.3599
zolpidem	Oxazepam D5 ISTD	5.012	260852	110787	2.3545	26.3746
Chlordiazepoxide	Nordiazepam-D5 ISTD	5.138	56631	15998	3.5399	24.1092
quetiapine	Oxazepam D5 ISTD	5.914	122246	110787	1.1034	22.9422
Midazolam	Clonazepam-D4 ISTD	6.184	60467	53224	1.1361	25.6151
Flurazepam	Diazepam-D5 ISTD	6.446	186005	104017	1.7882	25.7867
Nitrazepam	Clonazepam-D4 ISTD	7.225	5927	53224	0.1114	24.2386
alpha-Hydroxyalprazolam	alphahydroxyalprazolam-D5 ISTD	7.389	1664	10650	0.1563	27.4220
alpha-hydroxytriazolam	Nordiazepam-D5 ISTD	7.438	5374	15998	0.3359	25.4074
Oxazepam	Oxazepam D5 ISTD	7.628	25257	110787	0.2280	23.4801
Nordiazepam	Nordiazepam-D5 ISTD	7.680	6964	15998	0.4353	24.0059
Clonazepam	Clonazepam-D4 ISTD	7.929	11113	53224	0.2088	24.3821
Lorazepam	Oxazepam D5 ISTD	7.977	6813	110787	0.0615	23.2039
Alprazolam	alphahydroxyalprazolam-D5 ISTD	8.030	8743	10650	0.8209	29.7782
Flunitrazepam	Clonazepam-D4 ISTD	8.471	18555	53224	0.3486	29.7147
Temazepam	Oxazepam D5 ISTD	8.757	28618	110787	0.2583	24.2015
Diazepam	Diazepam-D5 ISTD	9.352	24868	104017	0.2391	23.6719

ISP

ISP FORENSICS - Cd'A Instrument # 62340

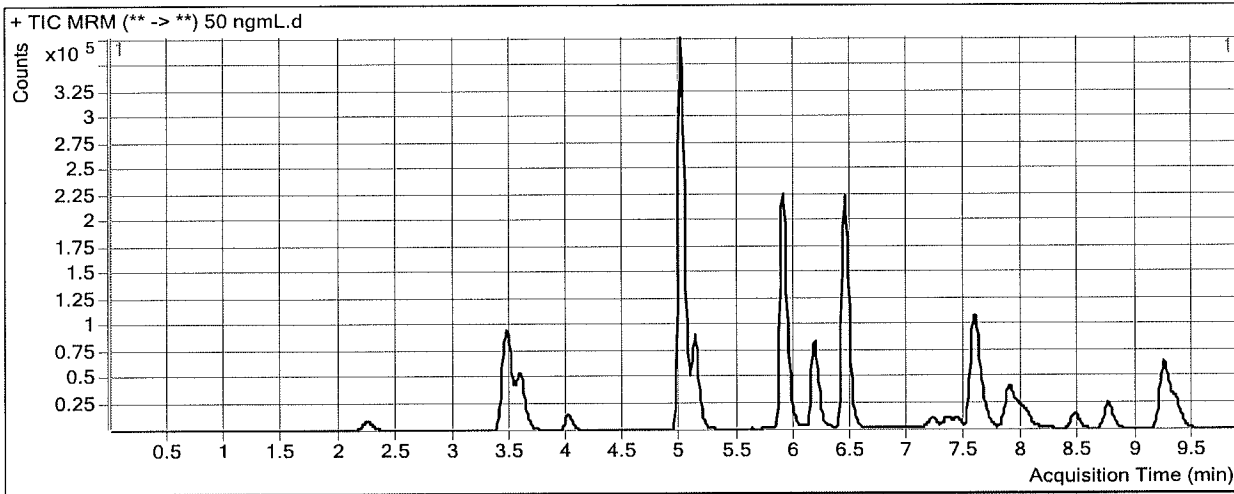
Benzodiazepine Analysis Report

Batch Data Path D:\2017 Data\1-10-17 blood Benzo THC confirm\QuantResults\1-10-17 Blood Benz.batch.bin
Analysis Time 1/10/2017 3:53 PM **Analyst Name** ISP Tox
Report Time 1/10/2017 3:54 PM **Reporter Name** ISP Tox
Last Calib Update 1/10/2017 3:53 PM **Batch State** Processed

Analysis Info

Acq Time 2017-01-10 10:51 **Data File** 50 ngmL.d
Sample Type Calibration **Sample Name** 50 ngmL
Dilution 1 **Acq Method** Benzos_Z_Drugs_ACN_FA_ISP 2016.m
Position P2-A4 **Sample Info** ppd 1/4/16- Unextracted
Inj Vol -1 **Comment** AM 13 Benzo and Z by LCQQQ

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
7-Aminoclonazepam	7-Aminoflunitrazepam-D7 ISTD	2.250	42151	460889	0.0915	50.2312
7-Aminoflunitrazepam	7-Aminoflunitrazepam-D7 ISTD	3.587	207965	460889	0.4512	51.8313
zopiclone	Oxazepam D5 ISTD	3.998	44272	260504	0.1699	18.7107
zolpidem	Oxazepam D5 ISTD	4.995	1184732	260504	4.5479	52.6552
Chlordiazepoxide	Nordiazepam-D5 ISTD	5.122	279160	34559	8.0779	55.1439
quetiapine	Oxazepam D5 ISTD	5.897	518492	260504	1.9903	55.3293
Midazolam	Clonazepam-D4 ISTD	6.176	270774	125217	2.1624	49.0373
Flurazepam	Diazepam-D5 ISTD	6.438	776464	207972	3.7335	53.7166
Nitrazepam	Clonazepam-D4 ISTD	7.208	27193	125217	0.2172	44.9323
alpha-Hydroxyalprazolam	alphahydroxyalprazolam-D5 ISTD	7.372	7838	28743	0.2727	47.8010
alpha-hydroxytriazolam	Nordiazepam-D5 ISTD	7.421	24314	34559	0.7036	48.7625
Oxazepam	Oxazepam D5 ISTD	7.603	125542	260504	0.4819	49.5976
Nordiazepam	Nordiazepam-D5 ISTD	7.664	31004	34559	0.8971	45.3403
Clonazepam	Clonazepam-D4 ISTD	7.903	50828	125217	0.4059	47.2158
Lorazepam	Oxazepam D5 ISTD	7.961	36194	260504	0.1389	51.4715
Alprazolam	alphahydroxyalprazolam-D5 ISTD	8.013	34594	28743	1.2036	48.1452
Flunitrazepam	Clonazepam-D4 ISTD	8.446	57509	125217	0.4593	45.3395
Temazepam	Oxazepam D5 ISTD	8.740	112961	260504	0.4336	41.2781
Diazepam	Diazepam-D5 ISTD	9.344	104826	207972	0.5040	49.5288

ISP

ISP FORENSICS - Cd'A Instrument # 62340

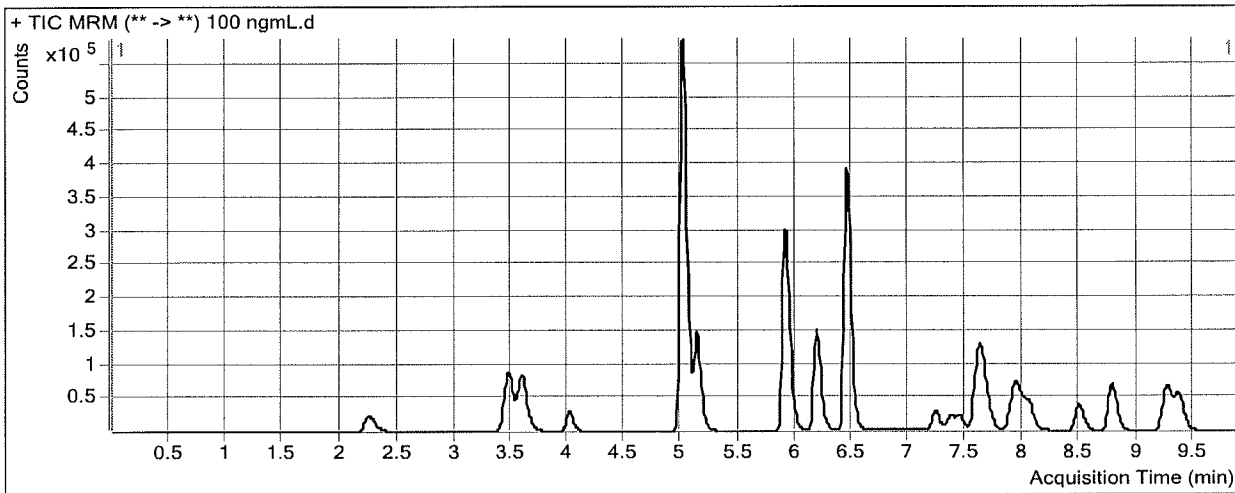
Benzodiazepine Analysis Report

Batch Data Path D:\2017 Data\1-10-17 blood Benzo THC confirm\QuantResults\1-10-17 Blood Benz.batch.bin
Analysis Time 1/10/2017 3:53 PM **Analyst Name** ISP Tox
Report Time 1/10/2017 3:54 PM **Reporter Name** ISP Tox
Last Calib Update 1/10/2017 3:53 PM **Batch State** Processed

Analysis Info

Acq Time 2017-01-10 11:05 **Data File** 100 ngmL.d
Sample Type Calibration **Sample Name** 100 ngmL
Dilution 1 **Acq Method** Benzos_Z_Drugs_ACN_FA_ISP 2016.m
Position P2-A5 **Sample Info** ppd 1/4/16- Unextracted
Inj Vol -1 **Comment** AM 13 Benzo and Z by LCQQQ

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
7-Aminoclonazepam	7-Aminoflunitrazepam-D7 ISTD	2.258	122592	417038	0.2940	171.4567
7-Aminoflunitrazepam	ISTD	3.595	345717	417038	0.8290	98.4135
zopiclone	Oxazepam D5 ISTD	4.007	90421	246078	0.3674	29.1366
zolpidem	Oxazepam D5 ISTD	5.012	1889656	246078	7.6791	90.7903
Chlordiazepoxide	Nordiazepam-D5 ISTD	5.130	463466	34051	13.6111	92.9304
quetiapine	Oxazepam D5 ISTD	5.914	771090	246078	3.1335	98.0651
Midazolam	Clonazepam-D4 ISTD	6.184	513894	175654	2.9256	66.7017
Flurazepam	Diazepam-D5 ISTD	6.446	1446544	219528	6.5893	95.7914
Nitrazepam	Clonazepam-D4 ISTD	7.233	92339	175654	0.5257	105.3096
alpha-Hydroxyalprazolam	alphahydroxyalprazolam-D5 ISTD	7.389	26649	46955	0.5675	97.4471
alpha-hydroxytriazolam	Nordiazepam-D5 ISTD	7.446	52463	34051	1.5407	100.8468
Oxazepam	Oxazepam D5 ISTD	7.628	251875	246078	1.0236	105.3045
Nordiazepam	Nordiazepam-D5 ISTD	7.680	65371	34051	1.9198	92.5844
Clonazepam	Clonazepam-D4 ISTD	7.937	156491	175654	0.8909	103.0306
Lorazepam	Oxazepam D5 ISTD	7.985	66699	246078	0.2711	99.6968
Alprazolam	alphahydroxyalprazolam-D5 ISTD	8.038	121711	46955	2.5921	111.3200
Flunitrazepam	Clonazepam-D4 ISTD	8.471	166894	175654	0.9501	101.0539
Temazepam	Oxazepam D5 ISTD	8.765	305095	246078	1.2398	116.5158
Diazepam	Diazepam-D5 ISTD	9.360	224610	219528	1.0231	100.1870

[Handwritten Signature]

ISP FORENSICS - Cd'A Instrument # 62340

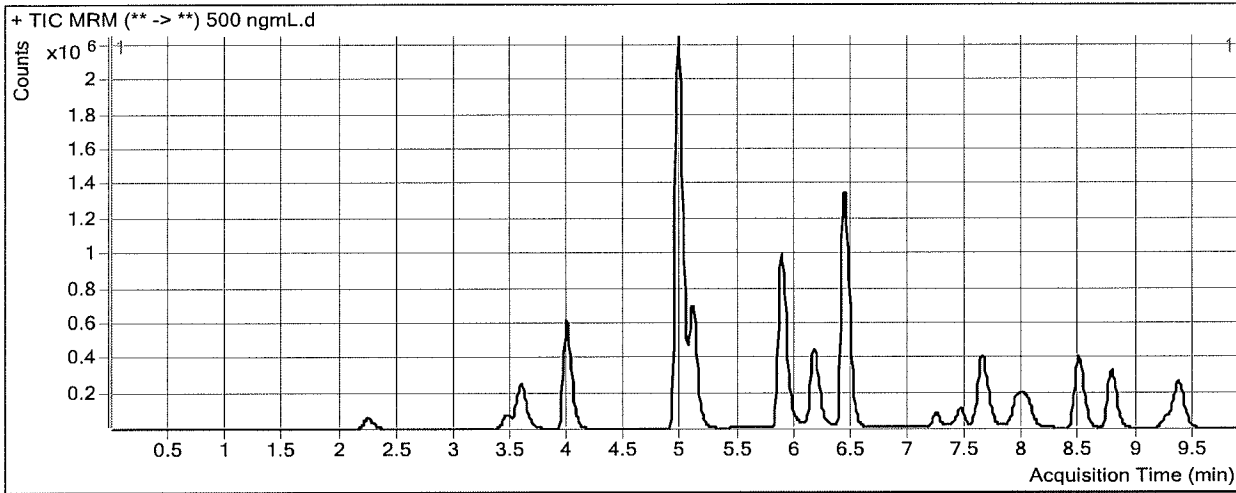
Benzodiazepine Analysis Report

Batch Data Path D:\2017 Data\1-10-17 blood Benzo THC confirm\QuantResults\1-10-17 Blood Benz.batch.bin
Analysis Time 1/10/2017 3:53 PM **Analyst Name** ISP Tox
Report Time 1/10/2017 3:54 PM **Reporter Name** ISP Tox
Last Calib Update 1/10/2017 3:53 PM **Batch State** Processed

Analysis Info

Acq Time 2017-01-10 11:20 **Data File** 500 ngmL.d
Sample Type Calibration **Sample Name** 500 ngmL
Dilution 1 **Acq Method** Benzos_Z_Drugs_ACN_FA_ISP 2016.m
Position P2-A6 **Sample Info** ppd 1/4/16- Unextracted
Inj Vol -1 **Comment** AM 13 Benzo and Z by LCQQQ

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
7-Aminoclonazepam	7-Aminoflunitrazepam-D7 ISTD	2.242	312910	385426	0.8119	488.9748
7-Aminoflunitrazepam	ISTD	3.587	1165949	385426	3.0251	414.5777
zopiclone	Oxazepam D5 ISTD	3.982	1960339	234665	8.3538	513.8521
zolpidem	Oxazepam D5 ISTD	4.970	8485172	234665	36.1587	480.0490
Chlordiazepoxide	Nordiazepam-D5 ISTD	5.098	2343329	30778	76.1371	515.9010
quetiapine	Oxazepam D5 ISTD	5.881	2887068	234665	12.3029	496.3211
Midazolam	Clonazepam-D4 ISTD	6.167	1733088	106533	16.2682	421.3426
Flurazepam	Diazepam-D5 ISTD	6.421	5709195	227185	25.1302	410.9779
Nitrazepam	Clonazepam-D4 ISTD	7.233	254123	106533	2.3854	470.4865
alpha-Hydroxyalprazolam	alphahydroxyalprazolam-D5 ISTD	7.389	97305	28558	3.4073	484.3134
alpha-hydroxytriazolam	Nordiazepam-D5 ISTD	7.438	291916	30778	9.4846	536.8469
Oxazepam	Oxazepam D5 ISTD	7.628	1128748	234665	4.8100	494.7401
Nordiazepam	Nordiazepam-D5 ISTD	7.680	332510	30778	10.8036	502.9888
Clonazepam	Clonazepam-D4 ISTD	7.929	488079	106533	4.5815	512.2192
Lorazepam	Oxazepam D5 ISTD	7.985	320858	234665	1.3673	499.8644
Alprazolam	alphahydroxyalprazolam-D5 ISTD	8.038	338940	28558	11.8685	447.5768
Flunitrazepam	Clonazepam-D4 ISTD	8.471	1778791	106533	16.6972	724.3266
Temazepam	Oxazepam D5 ISTD	8.765	1479297	234665	6.3039	506.6121
Diazepam	Diazepam-D5 ISTD	9.360	1206145	227185	5.3091	518.4381

ISP FORENSICS - Cd'A Instrument # 62340

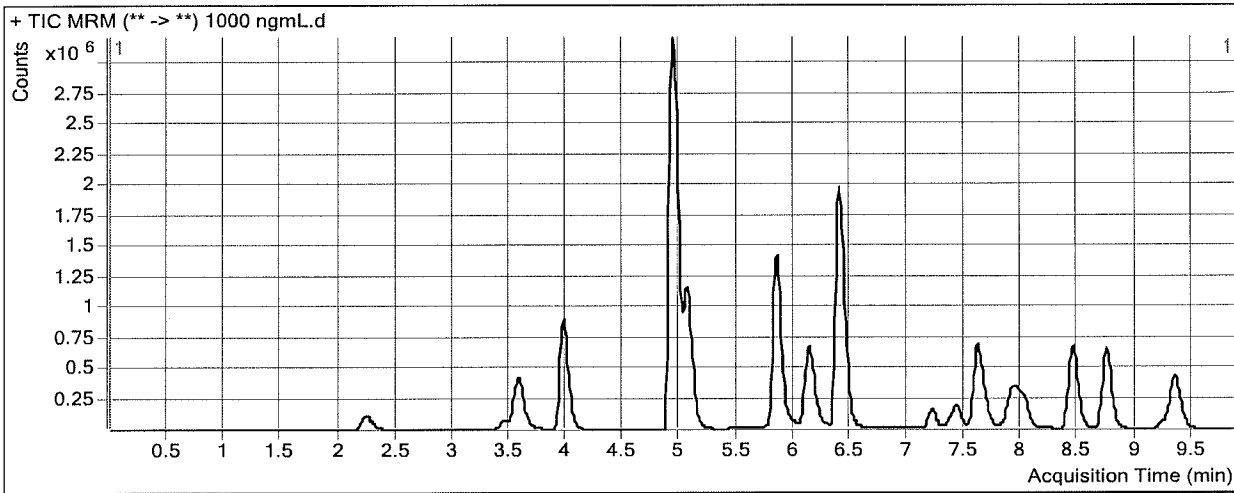
Benzodiazepine Analysis Report

Batch Data Path D:\2017 Data\1-10-17 blood Benzo THC confirm\QuantResults\1-10-17 Blood Benz.batch.bin
Analysis Time 1/10/2017 3:53 PM **Analyst Name** ISP Tox
Report Time 1/10/2017 3:54 PM **Reporter Name** ISP Tox
Last Calib Update 1/10/2017 3:53 PM **Batch State** Processed

Analysis Info

Acq Time 2017-01-10 11:35 **Data File** 1000 ngmL.d
Sample Type Calibration **Sample Name** 1000 ngmL
Dilution 1 **Acq Method** Benzos_Z_Drugs_ACN_FA_ISP 2016.m
Position P2-A7 **Sample Info** ppd 1/4/16- Unextracted
Inj Vol -1 **Comment** AM 13 Benzo and Z by LCQQQ

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
7-Aminoclonazepam	7-Aminoflunitrazepam-D7 ISTD	2.242	594528	369876	1.6074	999.9947
7-Aminoflunitrazepam	ISTD	3.578	1997111	369876	5.3994	1000.2614
zopiclone	Oxazepam D5 ISTD	3.973	2920189	209817	13.9178	989.8149
zolpidem	Oxazepam D5 ISTD	4.928	13582809	209817	64.7366	1010.0171
Chlordiazepoxide	Nordiazepam-D5 ISTD	5.065	4005710	26805	149.4406	1002.7146
quetiapine	Oxazepam D5 ISTD	5.847	4216615	209817	20.0967	1003.1827
Midazolam	Clonazepam-D4 ISTD	6.134	3033677	101256	29.9605	1001.1604
Flurazepam	Diazepam-D5 ISTD	6.396	9206937	198846	46.3018	1000.6823
Nitrazepam	Clonazepam-D4 ISTD	7.208	512506	101256	5.0615	999.7300
alpha-Hydroxyalprazolam	alphahydroxyalprazolam-D5 ISTD	7.363	207505	23842	8.7035	1001.3592
alpha-hydroxytriazolam	Nordiazepam-D5 ISTD	7.421	529511	26805	19.7544	999.9769
Oxazepam	Oxazepam D5 ISTD	7.603	2043309	209817	9.7385	1001.6309
Nordiazepam	Nordiazepam-D5 ISTD	7.664	582694	26805	21.7385	1008.1507
Clonazepam	Clonazepam-D4 ISTD	7.895	940688	101256	9.2902	999.8650
Lorazepam	Oxazepam D5 ISTD	7.952	574457	209817	2.7379	1000.1750
Alprazolam	alphahydroxyalprazolam-D5 ISTD	8.013	850890	23842	35.6893	1034.9194
Flunitrazepam	Clonazepam-D4 ISTD	8.438	3004030	101256	29.6677	999.9997
Temazepam	Oxazepam D5 ISTD	8.732	3073248	209817	14.6473	990.6215
Diazepam	Diazepam-D5 ISTD	9.335	2039013	198846	10.2542	1001.0156

Worklist Report

Worklist Path:	D:\MassHunter\Worklists\ISP TOX CDA WORKLISTS\1-10-17 Blood benz thc conf.wkl
Date Modified:	01/10/2017 09:36:10 AM
Date Printed:	01/10/2017 09:58:24 AM

Worklist Run Parameters

Operator Name:	ISP LC Instrument # 62340
Run Type:	Standard Start
Part of Method to Run:	Acquisition Only
Execution for Acquisition-DA:	Synchronous
Acquisition Method Path:	D:\MassHunter\methods
DA Method Path:	D:\MassHunter\methods
Data File Path:	d:\2017 Data\1-10-17 blood Benzo THC confirm
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
P2	
P1	

Worklist Table

Sample Position	Sample Name	Method	Data File	Sample Type	Level Name	Comment	Info.
P2-A1	Blank	Benzos_Z_Drugs_ACN_FA_ISP 2016.m	b Blank1.d	Blank		AM 13 Benzo and Z by LCQQQ	
P2-A1	Blank	Benzos_Z_Drugs_ACN_FA_ISP 2016.m	b Blank2.d	Blank		AM 13 Benzo and Z by LCQQQ	
P2-A1	Blank			Blank			

Sample Position	Sample Name	Method	Data File	Sample Type	Level Name	Comment	Info.
		Benzos_Z_Drugs_ACN_FA_ISP 2016.m	b Blank3.d			AM 13 Benzo and Z by LCQQQ	
P2-A2	10 ng/mL	Benzos_Z_Drugs_ACN_FA_ISP 2016.m	10 ng/mL.d	Calibration	2	AM 13 Benzo and Z by LCQQQ	ppd 1/4/16- Unextracted
P2-A3	25 ng/mL	Benzos_Z_Drugs_ACN_FA_ISP 2016.m	25 ng/mL.d	Calibration	4	AM 13 Benzo and Z by LCQQQ	ppd 1/4/16- Unextracted
P2-A4	50 ng/mL	Benzos_Z_Drugs_ACN_FA_ISP 2016.m	50 ng/mL.d	Calibration	5	AM 13 Benzo and Z by LCQQQ	ppd 1/4/16- Unextracted
P2-A5	100 ng/mL	Benzos_Z_Drugs_ACN_FA_ISP 2016.m	100 ng/mL.d	Calibration	6	AM 13 Benzo and Z by LCQQQ	ppd 1/4/16- Unextracted
P2-A6	500 ng/mL	Benzos_Z_Drugs_ACN_FA_ISP 2016.m	500 ng/mL.d	Calibration	7	AM 13 Benzo and Z by LCQQQ	ppd 1/4/16- Unextracted
P2-A7	1000 ng/mL	Benzos_Z_Drugs_ACN_FA_ISP 2016.m	1000 ng/mL.d	Calibration	8	AM 13 Benzo and Z by LCQQQ	ppd 1/4/16- Unextracted
P2-A1	Blank	Benzos_Z_Drugs_ACN_FA_ISP 2016.m	Blank.d	Blank		AM 13 Benzo and Z by LCQQQ	
P2-A8	Negative Blood Control	Benzos_Z_Drugs_ACN_FA_ISP 2016.m	Negative Blood Control.d	Sample		AM 13 Benzo and Z by LCQQQ	Negative blood lot B0130
P2-A9	Positive Blood Control	Benzos_Z_Drugs_ACN_FA_ISP 2016.m	Positive Blood Control.d	Sample		AM 13 Benzo and Z by LCQQQ	100ng/mL Lot 101717 in neg blood B0130
P2-B1	c2017- 0035-2	Benzos_Z_Drugs_ACN_FA_ISP 2016.m	c2017- 0035-2.d	Sample		AM 13 Benzo and Z by LCQQQ	
P2-B2	p2016- 1910-1	Benzos_Z_Drugs_ACN_FA_ISP 2016.m	p2016- 1910-1.d	Sample		AM 13 Benzo and Z by LCQQQ	
P2-B3				Sample			

Sample Position	Sample Name	Method	Data File	Sample Type	Level Name	Comment	Info.
	p2016-2020-1	Benzos_Z_Drugs_ACN_FA_ISP 2016.m	p2016-2020-1.d			AM 13 Benzo and Z by LCQQQ	
P2-B4	p2016-2184-1	Benzos_Z_Drugs_ACN_FA_ISP 2016.m	p2016-2184-1.d	Sample		AM 13 Benzo and Z by LCQQQ	
P2-B5	p2016-2204-1	Benzos_Z_Drugs_ACN_FA_ISP 2016.m	p2016-2204-1.d	Sample		AM 13 Benzo and Z by LCQQQ	
P2-B6	p2016-2223-1	Benzos_Z_Drugs_ACN_FA_ISP 2016.m	p2016-2223-1.d	Sample		AM 13 Benzo and Z by LCQQQ	
P2-B7	p2016-2234-1	Benzos_Z_Drugs_ACN_FA_ISP 2016.m	p2016-2234-1.d	Sample		AM 13 Benzo and Z by LCQQQ	
P2-B8	p2016-2311-1	Benzos_Z_Drugs_ACN_FA_ISP 2016.m	p2016-2311-1.d	Sample		AM 13 Benzo and Z by LCQQQ	
P2-B9	p2016-2320-1	Benzos_Z_Drugs_ACN_FA_ISP 2016.m	p2016-2320-1.d	Sample		AM 13 Benzo and Z by LCQQQ	
P2-C1	p2016-2362-1	Benzos_Z_Drugs_ACN_FA_ISP 2016.m	p2016-2362-1.d	Sample		AM 13 Benzo and Z by LCQQQ	
P2-C2	p2016-2649-1	Benzos_Z_Drugs_ACN_FA_ISP 2016.m	p2016-2649-1.d	Sample		AM 13 Benzo and Z by LCQQQ	
P2-C3	p2016-2650-1	Benzos_Z_Drugs_ACN_FA_ISP 2016.m	p2016-2650-1.d	Sample		AM 13 Benzo and Z by LCQQQ	
P2-C4	p2016-2729-1	Benzos_Z_Drugs_ACN_FA_ISP 2016.m	p2016-2729-1.d	Sample		AM 13 Benzo and Z by LCQQQ	
P2-A1	Blank	Benzos_Z_Drugs_ACN_FA_ISP 2016.m	b blood blank1.d	Blank		AM 13 Benzo and Z by LCQQQ	