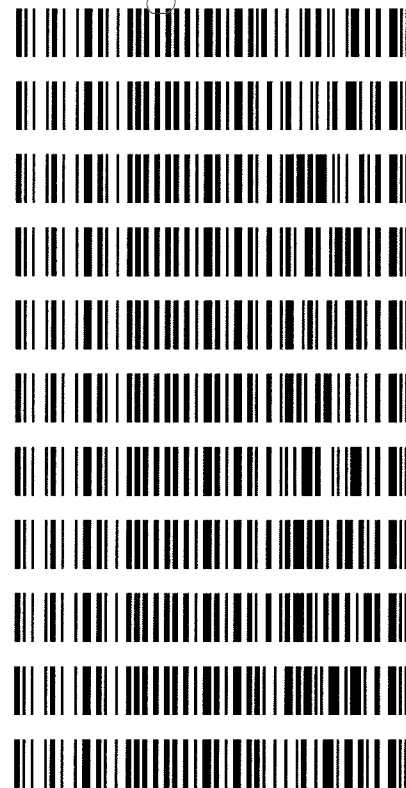


reviewed 3/23/18

Bylee

Worklist: 2269

<u>LAB_CASE</u>	<u>ITEM</u>	<u>TASK_ID</u>	<u>DESCRIPTION</u>
C2017-2265	1	110910	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC
C2018-0228	1	110911	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC
C2018-0264	1	110912	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC
C2018-0266	1	110913	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC
C2018-0315	1	110914	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC
C2018-0317	1	110915	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC
C2018-0432	2	110916	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC
C2018-0476	1	110917	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC
C2018-0477	1	110918	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC
C2018-0504	1	110919	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC
C2018-0525	1	110920	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC



[Handwritten signature]

Toxicology AM method 28 panel 1 external prep information

working solution 10000 ng/ml in meoh Lorazepam, alprazolam, diphenhydramine, methadone, sertraline
Stock solution 1mg/ml 100 ul each in 9500 ul meOH

Ppd 3/19/18 Exp: 3/19/19 lot 31919 by AMN

Drug	lot	expiration
alprazolam	fe07161509	7/1/2020
diphenhydramine	fn09161502	9/1/2020
Lorazepam	fe04231401	5/1/2019
methadone	fe06221502	7/1/2020
sertraline	fn01081501	3/1/2020

AM 28 control 50 ul working solution lot (31919) in 9950 ul blood lot (17J20718)
ppd 3/19/18 Exp 9/19/18 by AMN Concentration 50 ng/ml each lot 91918

ISP FORENSICS - Cd'A Instrument # 62340

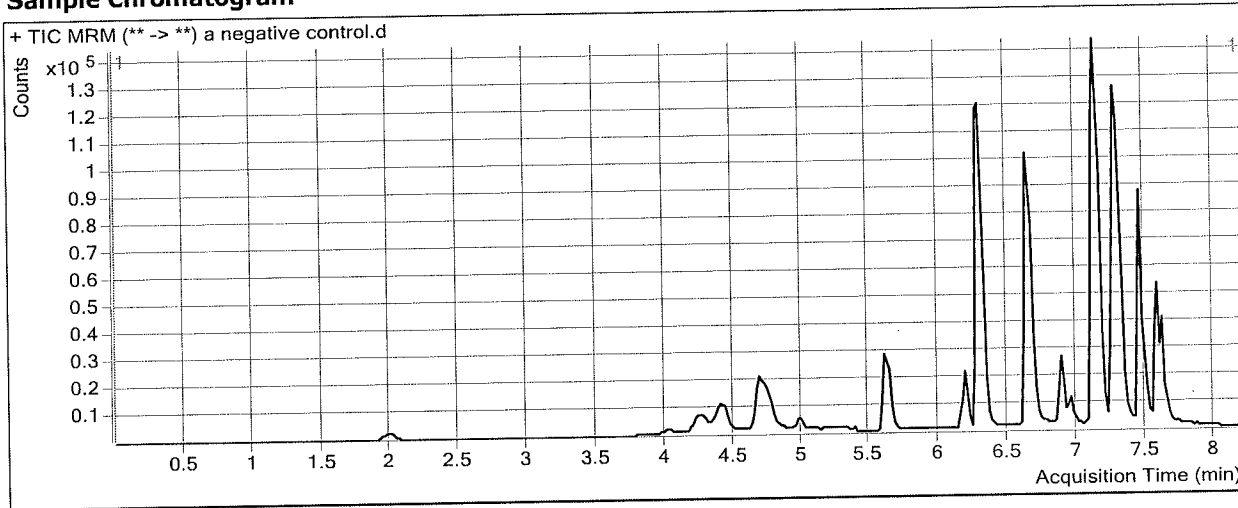
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\03202018 mdq\QuantResults\mdq p1a.batch.bin		
Analysis Time	3/22/2018 7:53 AM	Analyst Name	ISP Tox
Report Time	3/22/2018 7:58 AM	Reporter Name	ISP Tox
Last Calib Update	3/22/2018 7:53 AM	Batch State	Processed

Analysis Info

Acq Time	2018-03-20 18:31	Data File	a negative control.d
Sample Type	Sample	Sample Name	a negative control
Dilution	1	Acq Method	Quant Panel 1a 10-17.m
Position	P1-E2	Sample Info	
Inj Vol	-1	Comment	AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.257	1584	121555	0.0130	0.4106 < S
Diphenhydramine	Diphenhydramine-D3	7.291	2130	211156	0.0101	0.3553 < S

ISP FORENSICS - Cd'A Instrument # 62340

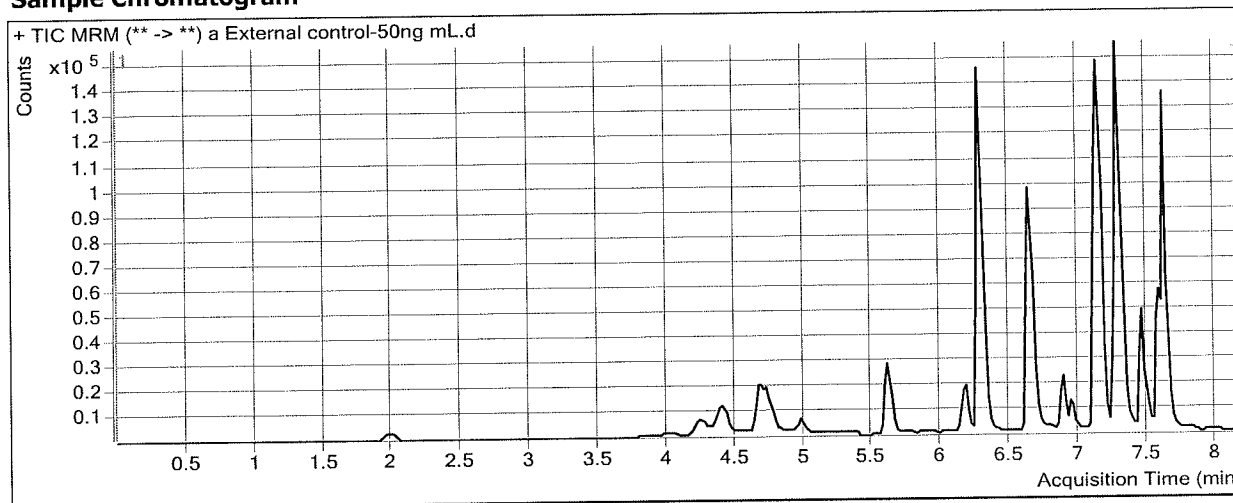
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\03202018 mdq\QuantResults\mdq p1a.batch.bin
Analysis Time 3/22/2018 7:53 AM **Analyst Name** ISP Tox
Report Time 3/22/2018 7:58 AM **Reporter Name** ISP Tox
Last Calib Update 3/22/2018 7:53 AM **Batch State** Processed

Analysis Info

Acq Time 2018-03-20 18:56 **Data File** a External control-50ng mL.d
Sample Type Sample **Sample Name** a External control-50ng mL
Dilution 1 **Acq Method** Quant Panel 1a 10-17.m
Position P1-F2 **Sample Info**
Inj Vol -1 **Comment** AM 28; external control p1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Diphenhydramine	Diphenhydramine-D3	7.291	132146	136516	0.9680	48.5192
Lorazepam	Alprazolam-D5	7.602	12931	79490	0.1627	51.9770
Alprazolam	Alprazolam-D5	7.626	97836	79490	1.2308	45.4426

ISP FORENSICS - Cd'A Instrument # 62340

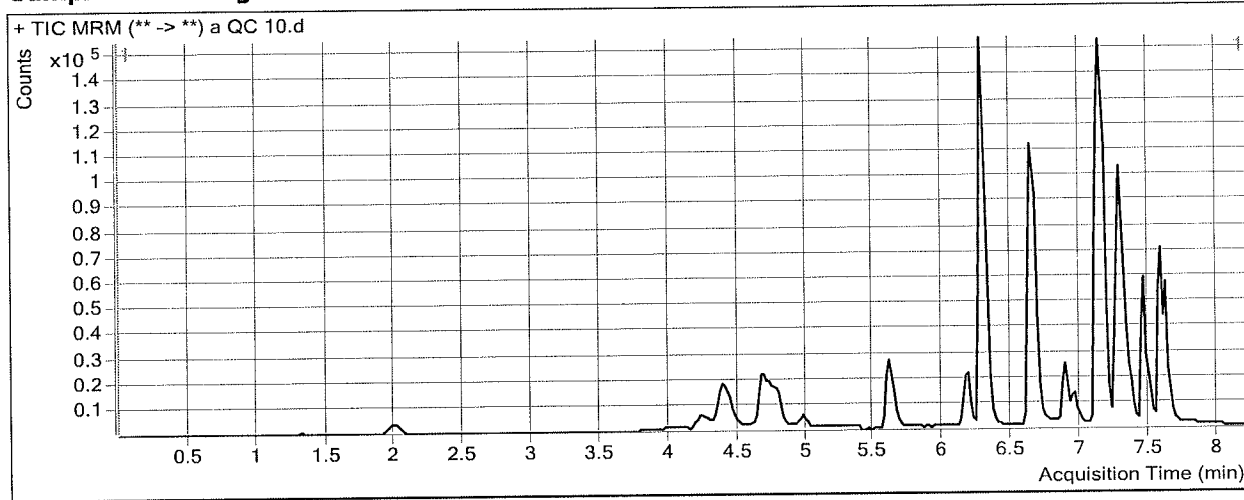
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\03202018 mdq\QuantResults\mdq p1a.batch.bin
Analysis Time 3/22/2018 7:53 AM **Analyst Name** ISP Tox
Report Time 3/22/2018 7:58 AM **Reporter Name** ISP Tox
Last Calib Update 3/22/2018 7:53 AM **Batch State** Processed

Analysis Info

Acq Time 2018-03-20 19:22 **Data File** a QC 10.d
Sample Type QC **Sample Name** a QC 10
Dilution 1 **Acq Method** Quant Panel 1a 10-17.m
Position P1-A2 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.328	975	775	1.2585	10.5207 <i>not extracted</i>
Hydromorphone	Hydromorphone-D6	2.009	4539	14328	0.3168	10.1438
Codeine	Codeine-D6	4.095	2149	8873	0.2422	9.9831
Amphetamine	Amphetamine-D11	4.383	34474	24652	1.3984	11.3197
Oxycodone	Oxycodone-D6	4.449	10501	40621	0.2585	10.1134
Hydrocodone	Hydrocodone-D6	4.774	7168	37881	0.1892	8.4632
Norhydrocodone	Norhydrocodone-D3	4.799	467	13198	0.0354	10.8083 *
Methamphetamine	Methamphetamine-D11	4.802	27052	82934	0.3262	10.3641
6-MAM	6-MAM-D6	4.988	360	12615	0.0285	0.9573
Phentermine	Phentermine-D5	5.666	6534	95184	0.0686	10.1939
Dextroprphan	Dextroprphan-D3	6.183	6561	51994	0.1262	9.8591
7-aminoclonazepam	7-Aminoclonazepam-D4	6.292	10984	45077	0.2437	9.3906
Tramadol	Tramadol-13C-D3	6.302	77680	359402	0.2161	10.0767
Doxylamine	Doxylamine-D5	6.662	61985	290827	0.2131	10.7300
Bupropion	Bupropion-D9	6.910	13553	62326	0.2174	9.7581
Meprobamate	Meprobamate-D7	6.972	4493	25709	0.1748	10.5218
Zolpidem	Zolpidem-D6	7.163	56404	257259	0.2193	9.8816
Venlafaxine	Venlafaxine-D6	7.125	57935	236430	0.2450	10.2948
Trazodone	Trazodone-D6	7.356	22005	91302	0.2410	9.7274
Citalopram	Citalopram-D6	7.257	19152	84463	0.2268	9.8614
Dextromethorphan	Dextromethorphan-D3	7.268	3767	17518	0.2151	11.2723
Diphenhydramine	Diphenhydramine-D3	7.291	28252	132035	0.2140	10.6070
Promethazine	Promethazine-D3	7.466	20091	115101	0.1746	8.6302

AS

** outside curve range*

ISP FORENSICS - Cd'A Instrument # 62340
Multi-Drug Confirmatory Analysis Report

Plc ~~ca~~ QC10

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.502	4944	6560	0.7536	11.4609
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.560	1941	8112	0.2393	10.2137
Carisoprodol	Carisoprodol-D7	7.592	22560	117965	0.1912	10.3670
Lorazepam	Alprazolam-D5	7.602	2450	74752	0.0328	11.3199
Alprazolam	Alprazolam-D5	7.626	19136	74752	0.2560	9.5248



ISP FORENSICS - Cd'A Instrument # 62340

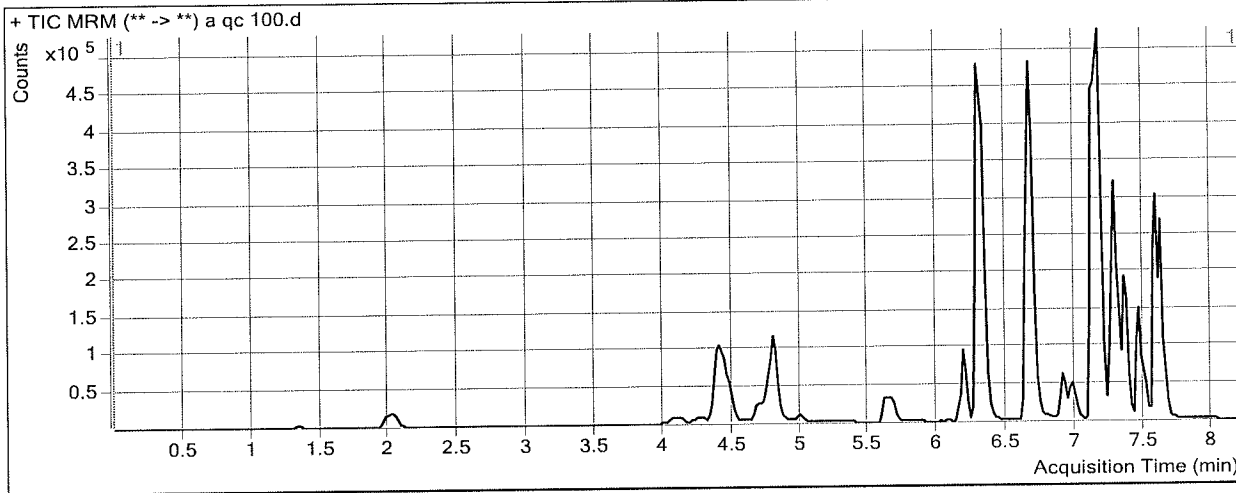
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\03202018 mdq\QuantResults\mdq p1a.batch.bin
Analysis Time 3/22/2018 7:53 AM **Analyst Name** ISP Tox
Report Time 3/22/2018 7:58 AM **Reporter Name** ISP Tox
Last Calib Update 3/22/2018 7:53 AM **Batch State** Processed

Analysis Info

Acq Time 2018-03-20 22:44 **Data File** a qc 100.d
Sample Type QC **Sample Name** a qc 100
Dilution 1 **Acq Method** Quant Panel 1a 10-17.m
Position P1-B2 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.348	11242	986	11.4017	92.6635 <i>not evaluated</i>
Hydromorphone	Hydromorphone-D6	2.029	54852	17110	3.2058	101.2318
Codeine	Codeine-D6	4.115	26155	10811	2.4193	93.9217
Amphetamine	Amphetamine-D11	4.403	293492	30486	9.6270	115.6776
Oxycodone	Oxycodone-D6	4.469	139189	52443	2.6541	103.6956
Hydrocodone	Hydrocodone-D6	4.794	95563	46990	2.0337	115.2148
Norhydrocodone	Norhydrocodone-D3	4.799	5980	16857	0.3547	95.8174
Methamphetamine	Methamphetamine-D11	4.802	236676	87590	2.7021	103.4977
6-MAM	6-MAM-D6	5.008	4277	16469	0.2597	9.7634
Phentermine	Phentermine-D5	5.686	75394	110391	0.6830	108.4650
Dextroprphan	Dextroprphan-D3	6.183	86011	66691	1.2897	100.4348
7-aminoclonazepam	7-Aminoclonazepam-D4	6.312	132306	54320	2.4357	109.1612
Tramadol	Tramadol-13C-D3	6.302	896130	439240	2.0402	105.4887
Doxylamine	Doxylamine-D5	6.662	772594	374920	2.0607	103.0479
Bupropion	Bupropion-D9	6.910	107567	49252	2.1840	99.1011
Meprobamate	Meprobamate-D7	6.992	57048	32551	1.7526	107.0830
Zolpidem	Zolpidem-D6	7.163	707300	333240	2.1225	101.8531
Venlafaxine	Venlafaxine-D6	7.125	711192	302397	2.3518	103.2264
Trazodone	Trazodone-D6	7.336	284849	120519	2.3635	98.0309
Citalopram	Citalopram-D6	7.257	211948	90871	2.3324	102.9745
Dextromethorphan	Dextromethorphan-D3	7.268	37916	18045	2.1012	99.3609
Diphenhydramine	Diphenhydramine-D3	7.291	306539	151212	2.0272	101.7776
Promethazine	Promethazine-D3	7.466	219265	113423	1.9332	109.1408

ISP FORENSICS - Cd'A Instrument # 62340
Multi-Drug Confirmatory Analysis Report

fla QC 100

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.502	54528	7545	7.2274	111.1855
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.560	23850	9579	2.4899	101.1473
Carisoprodol	Carisoprodol-D7	7.592	280372	146960	1.9078	103.6140
Lorazepam	Alprazolam-D5	7.602	24304	92449	0.2629	83.3406
Alprazolam	Alprazolam-D5	7.626	233358	92449	2.5242	93.0981



ISP FORENSICS - Cd'A Instrument # 62340

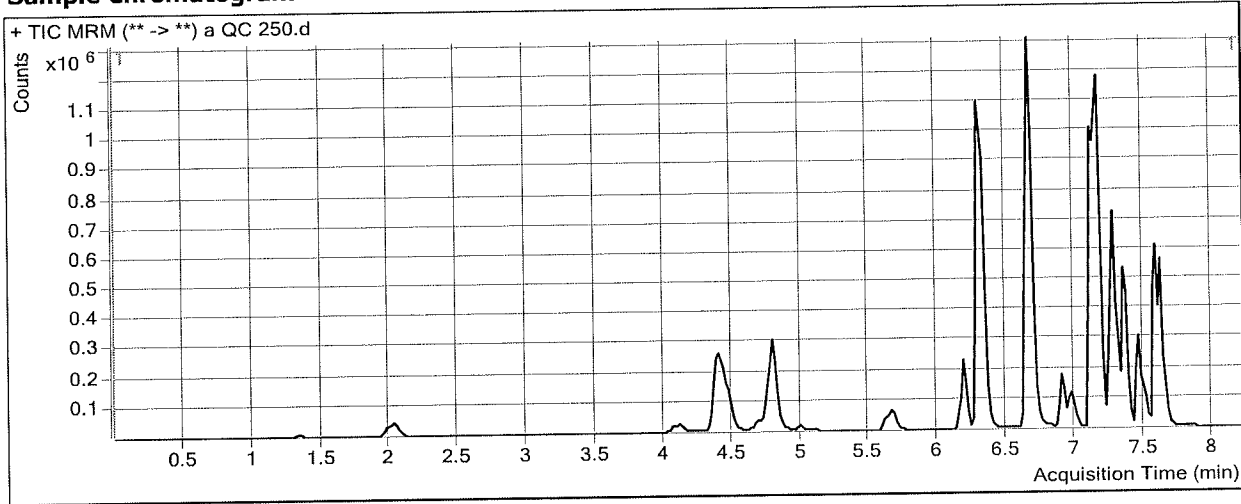
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\03202018 mdq\QuantResults\mdq p1a.batch.bin	Analyst Name	ISP Tox
Analysis Time	3/22/2018 7:53 AM	Reporter Name	ISP Tox
Report Time	3/22/2018 7:58 AM	Batch State	Processed
Last Calib Update	3/22/2018 7:53 AM		

Analysis Info

Acq Time	2018-03-20 23:10	Data File	a QC 250.d
Sample Type	QC	Sample Name	a QC 250
Dilution	1	Acq Method	Quant Panel 1a 10-17.m
Position	P1-C2	Sample Info	
Inj Vol	-1	Comment	AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.348	29974	965	31.0577	251.8446 <i>Not evaluated</i>
Hydromorphone	Hydromorphone-D6	2.029	145999	17513	8.3368	263.0051
Codeine	Codeine-D6	4.115	71738	11098	6.4640	249.8699
Amphetamine	Amphetamine-D11	4.403	729901	35124	20.7805	257.1305
Oxycodone	Oxycodone-D6	4.469	382179	57069	6.6968	261.6261
Hydrocodone	Hydrocodone-D6	4.774	249904	51872	4.8177	276.3454
Norhydrocodone	Norhydrocodone-D3	4.799	17278	17006	1.0160	271.8614
Methamphetamine	Methamphetamine-D11	4.802	635984	97706	6.5091	252.7328
6-MAM	6-MAM-D6	5.008	12312	17957	0.6856	25.9859
Phentermine	Phentermine-D5	5.666	204732	124254	1.6477	262.7848
Dextroprphan	Dextroprphan-D3	6.183	250640	71323	3.5141	273.5976
7-aminoclonazepam	7-Aminoclonazepam-D4	6.312	320746	53900	5.9507	269.1485
Tramadol	Tramadol-13C-D3	6.302	2499448	492330	5.0768	264.3267
Doxylamine	Doxylamine-D5	6.662	2283425	432611	5.2782	263.8211
Bupropion	Bupropion-D9	6.910	337522	64173	5.2595	238.8243
Meprobamate	Meprobamate-D7	6.992	147543	34500	4.2766	261.5502
Zolpidem	Zolpidem-D6	7.163	1885472	348473	5.4107	260.7500
Venlafaxine	Venlafaxine-D6	7.125	1969985	331789	5.9375	261.3879
Trazodone	Trazodone-D6	7.336	832159	138852	5.9932	249.0356
Citalopram	Citalopram-D6	7.257	553106	98050	5.6411	249.2868
Dextromethorphan	Dextromethorphan-D3	7.268	105300	19586	5.3762	252.3102
Diphenhydramine	Diphenhydramine-D3	7.291	894836	167212	5.3515	268.9265
Promethazine	Promethazine-D3	7.466	458938	107759	4.2589	242.0679

ISP FORENSICS - Cd'A Instrument # 62340
Multi-Drug Confirmatory Analysis Report

Ala QL250

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.502	132917	7780	17.0843	263.0247
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.560	54920	9311	5.8985	238.8702
Carisoprodol	Carisoprodol-D7	7.592	665646	139614	4.7678	258.9725
Lorazepam	Alprazolam-D5	7.602	52708	83462	0.6315	198.7164
Alprazolam	Alprazolam-D5	7.626	551627	83462	6.6093	243.6186



ISP FORENSICS - Cd'A Instrument # 62340

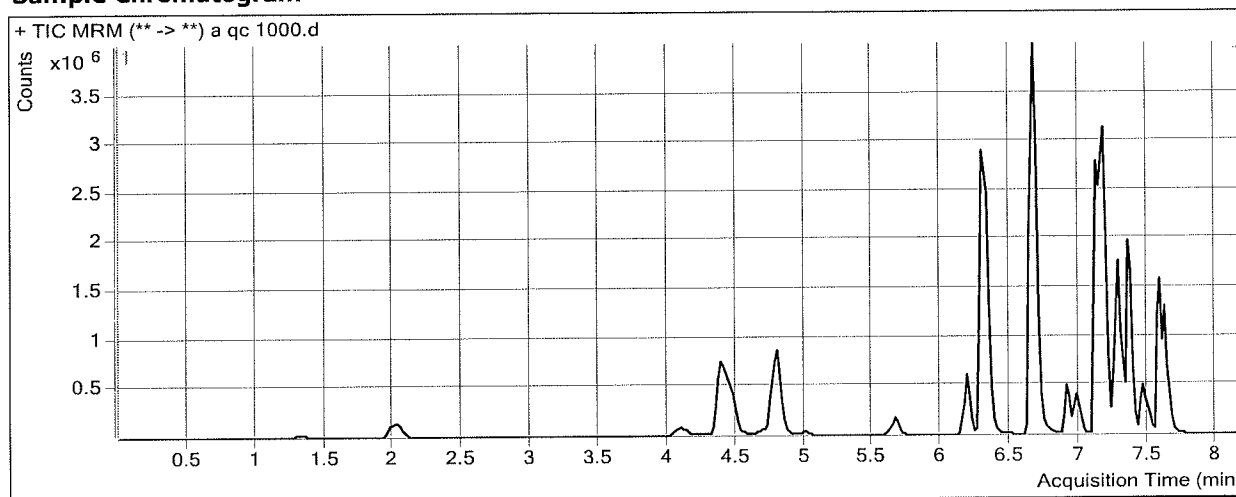
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\03202018 mdq\QuantResults\mdq p1a.batch.bin
Analysis Time 3/22/2018 7:53 AM **Analyst Name** ISP Tox
Report Time 3/22/2018 7:58 AM **Reporter Name** ISP Tox
Last Calib Update 3/22/2018 7:53 AM **Batch State** Processed

Analysis Info

Acq Time 2018-03-20 23:35 **Data File** a qc 1000.d
Sample Type QC **Sample Name** a qc 1000
Dilution 1 **Acq Method** Quant Panel 1a 10-17.m
Position P1-D2 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.348	99223	837	118.5139	960.0954 <i>not evaluated</i>
Hydromorphone	Hydromorphone-D6	2.029	504493	15614	32.3097	1018.8441
Codeine	Codeine-D6	4.095	236411	8878	26.6283	1027.3096
Amphetamine	Amphetamine-D11	4.403	2142630	32957	65.0131	818.1028
Oxycodone	Oxycodone-D6	4.469	1327839	54658	24.2934	949.0362
Hydrocodone	Hydrocodone-D6	4.774	778206	46118	16.8741	974.1296
Norhydrocodone	Norhydrocodone-D3	4.799	49101	12443	3.9462	1051.9517
Methamphetamine	Methamphetamine-D11	4.802	1946076	89609	21.7175	848.8921
6-MAM	6-MAM-D6	5.008	42481	16083	2.6413	100.4778
Phentermine	Phentermine-D5	5.666	606193	106051	5.7160	913.5749
Dextroprphan	Dextroprphan-D3	6.183	740469	57119	12.9637	1009.2133
7-aminoclonazepam	7-Aminoclonazepam-D4	6.312	877570	41116	21.3439	969.7686
Tramadol	Tramadol-13C-D3	6.302	7915501	419269	18.8793	986.3087
Doxylamine	Doxylamine-D5	6.662	7836205	408414	19.1869	958.8025
Bupropion	Bupropion-D9	6.910	1059909	48914	21.6686	984.3038
Meprobamate	Meprobamate-D7	6.992	542786	31535	17.2120	1053.1868
Zolpidem	Zolpidem-D6	7.163	5750149	287853	19.9760	964.5983
Venlafaxine	Venlafaxine-D6	7.125	6092452	284231	21.4349	944.9795
Trazodone	Trazodone-D6	7.336	3272680	138553	23.6204	982.3873
Citalopram	Citalopram-D6	7.257	1580353	71320	22.1586	979.7041
Dextromethorphan	Dextromethorphan-D3	7.268	271112	12399	21.8654	1022.3950
Diphenhydramine	Diphenhydramine-D3	7.291	2582410	142155	18.1662	913.2569
Promethazine	Promethazine-D3	7.466	941849	48918	19.2535	1099.0615

ISP FORENSICS - Cd'A Instrument # 62340
Multi-Drug Confirmatory Analysis Report

Plca QC 1000

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.502	348752	5142	67.8302	1044.7375
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.560	174046	7324	23.7631	960.6649
Carisoprodol	Carisoprodol-D7	7.592	1826498	100357	18.2000	988.6334
Lorazepam	Alprazolam-D5	7.602	172982	55580	3.1123	975.1634
Alprazolam	Alprazolam-D5	7.626	1419988	55580	25.5486	941.4544



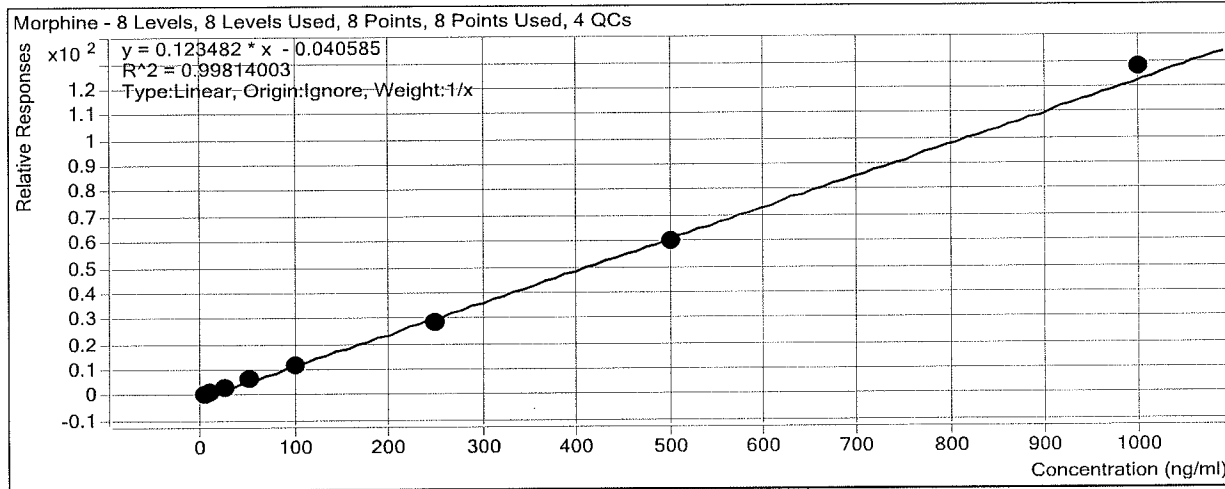
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\03202018 mdq\QuantResults\mdq p1a.batch.bin
3/22/2018 7:53 AM

Analyst Name ISP TOX

Target Compound *Morphine*
Internal Standard *Morphine-D6*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.4	107.9
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	97.8
a QC 10	2	<input checked="" type="checkbox"/>	10	10.5	105.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.1	100.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.5	104.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	95.6	95.6
a qc 100	5	<input checked="" type="checkbox"/>	100	92.7	92.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	231.0	92.4
a QC 250	6	<input checked="" type="checkbox"/>	250	251.8	100.7
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	486.6	97.3
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1034.0	103.4
a qc 1000	8	<input checked="" type="checkbox"/>	1000	960.1	96.0

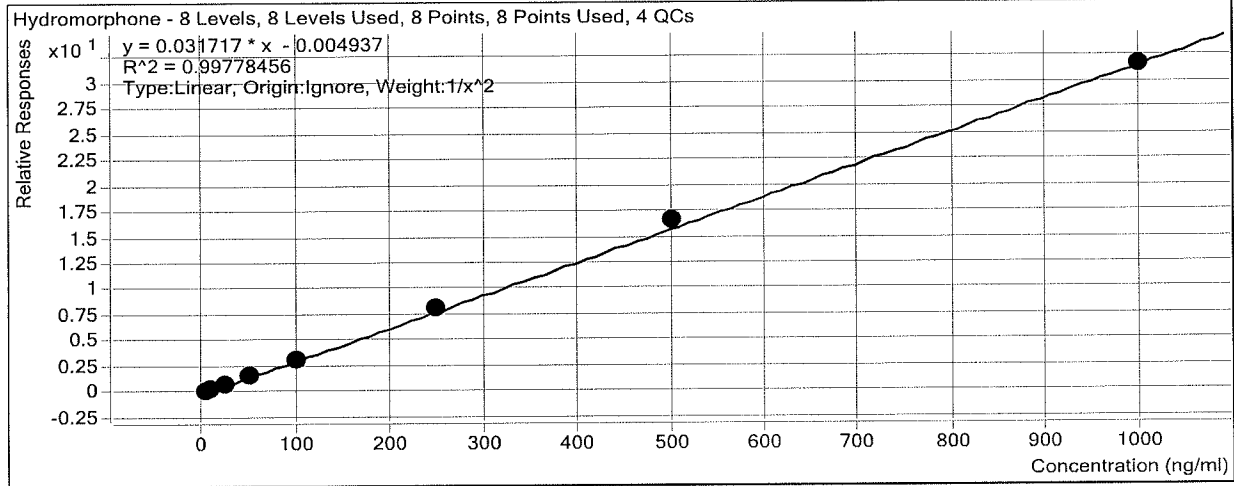
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\03202018 mdq\QuantResults\mdq p1a.batch.bin
3/22/2018 7:53 AM

Analyst Name ISP TOX

Target Compound *Hydromorphone*
Internal Standard *Hydromorphone-D6*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	104.1
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.3	93.2
a QC 10	2	<input checked="" type="checkbox"/>	10	10.1	101.4
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.9	95.8
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.8	101.6
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.7	98.7
a qc 100	5	<input checked="" type="checkbox"/>	100	101.2	101.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	253.6	101.4
a QC 250	6	<input checked="" type="checkbox"/>	250	263.0	105.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	527.6	105.5
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	997.1	99.7
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1018.8	101.9

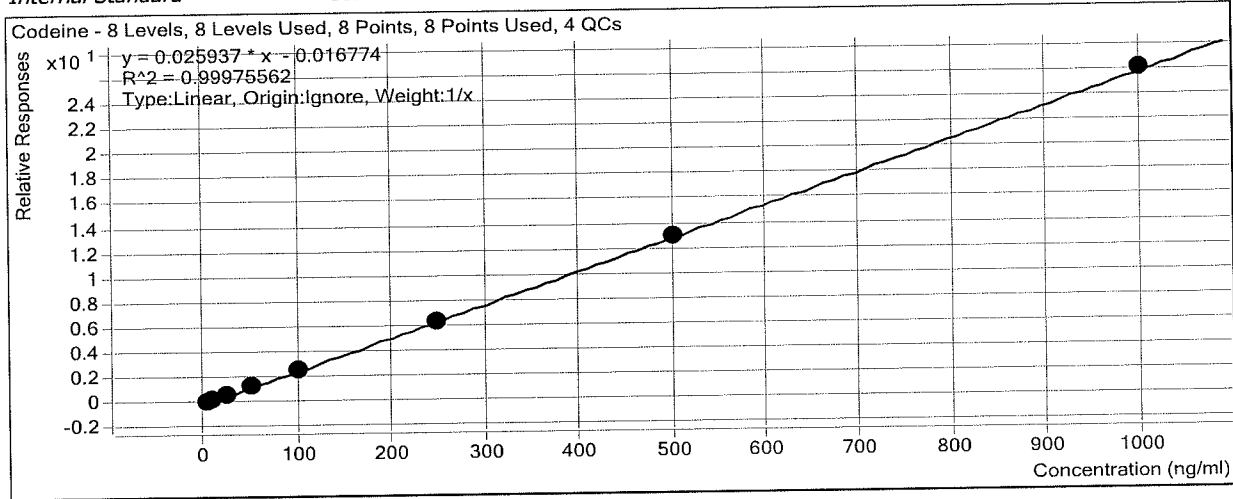
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

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3/22/2018 7:53 AM

Analyst Name ISP TOX

Target Compound Codeine
Internal Standard Codeine-D6

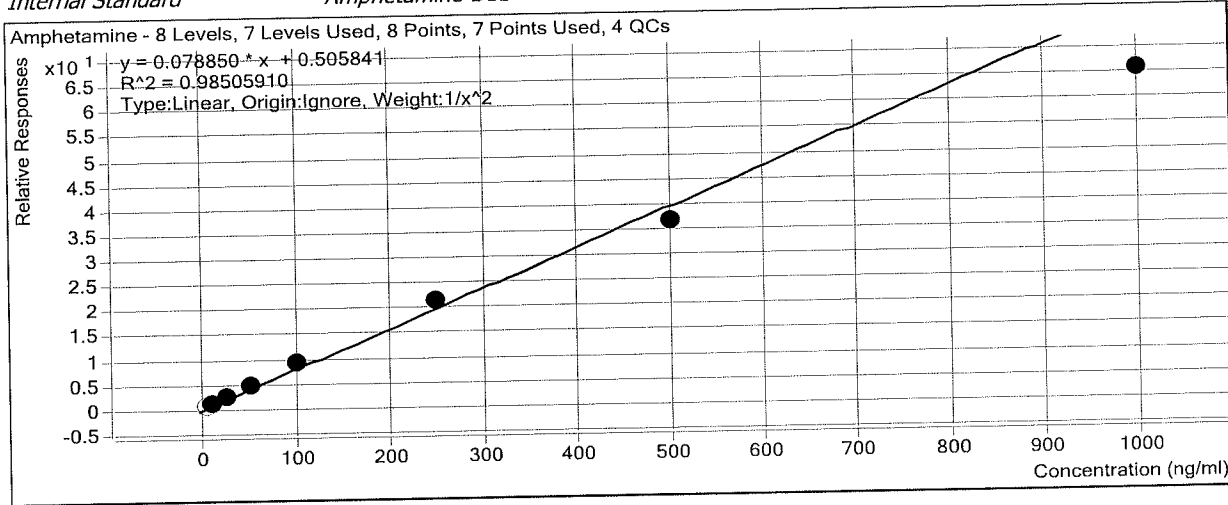


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.8	115.9
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	95.1
a QC 10	2	<input checked="" type="checkbox"/>	10	10.0	99.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.6	94.3
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.9	97.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.3	97.3
a qc 100	5	<input checked="" type="checkbox"/>	100	93.9	93.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	246.4	98.6
a QC 250	6	<input checked="" type="checkbox"/>	250	249.9	99.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	501.6	100.3
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1006.9	100.7
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1027.3	102.7

ISP Forensics Calibration Curve Report

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Last Calib Update 3/22/2018 7:53 AM **Analyst Name** ISP TOX

Target Compound Amphetamine
Internal Standard Amphetamine-D11



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input type="checkbox"/>	5	6.5	130.8
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	96.6
a QC 10	2	<input checked="" type="checkbox"/>	10	11.3	113.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.0	100.1
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	56.1	112.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	109.9	109.9
a qc 100	5	<input checked="" type="checkbox"/>	100	115.7	115.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	266.8	106.7
a QC 250	6	<input checked="" type="checkbox"/>	250	257.1	102.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	458.7	91.7
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	827.5	82.8
a qc 1000	8	<input checked="" type="checkbox"/>	1000	818.1	81.8

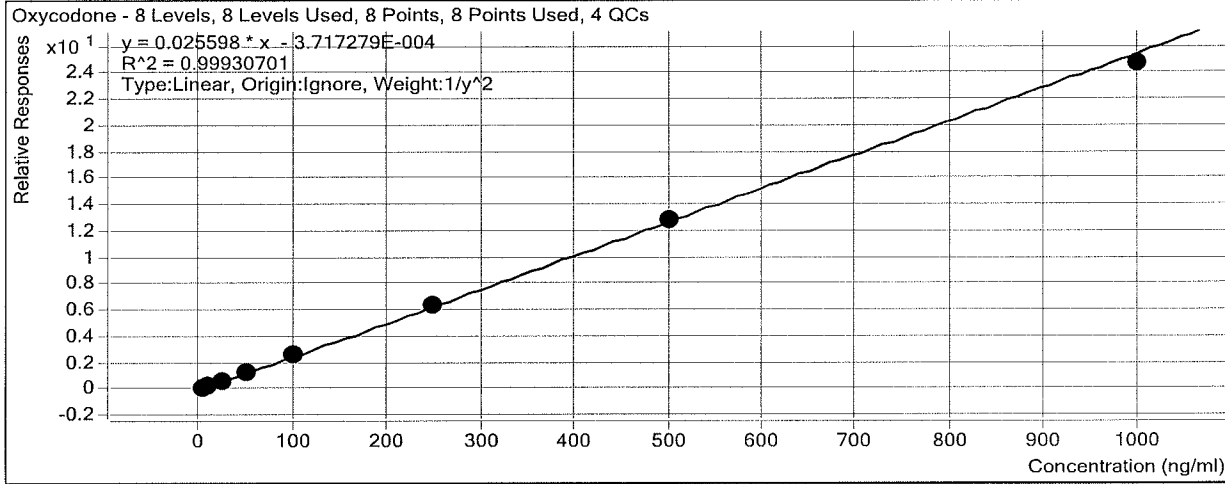
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

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Analyst Name ISP TOX

Target Compound Oxycodone
Internal Standard Oxycodone-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	99.8
a QC 10	2	<input checked="" type="checkbox"/>	10	10.1	101.1
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.6	98.3
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.8	103.7
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.7	102.7
a qc 100	5	<input checked="" type="checkbox"/>	100	103.7	103.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	250.7	100.3
a QC 250	6	<input checked="" type="checkbox"/>	250	261.6	104.7
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	498.2	99.6
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	963.9	96.4
a qc 1000	8	<input checked="" type="checkbox"/>	1000	949.0	94.9

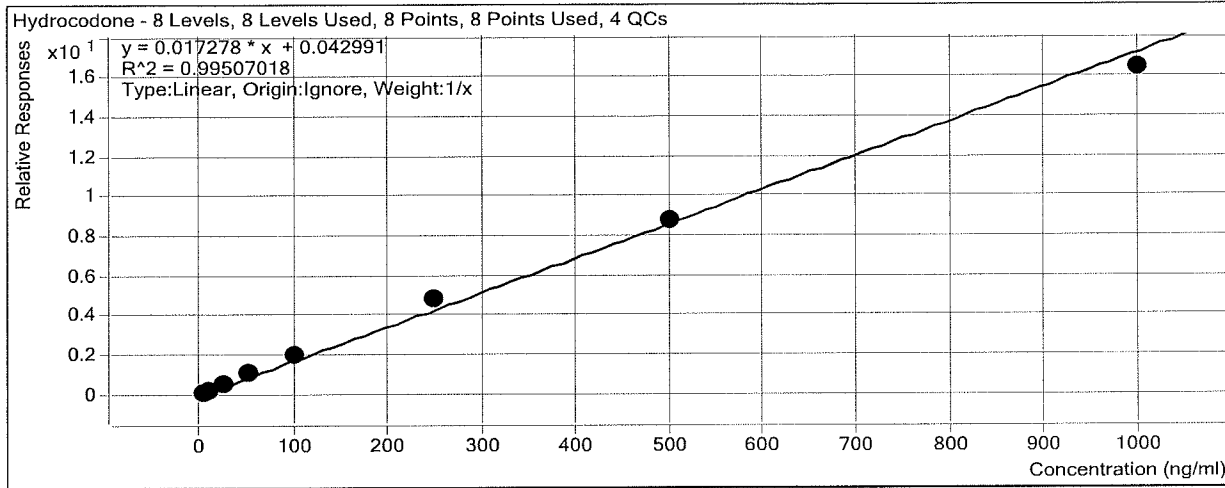
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\03202018 mdq\QuantResults\mdq p1a.batch.bin
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Analyst Name ISP TOX

Target Compound *Hydrocodone*
Internal Standard *Hydrocodone-D6*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	3.9	78.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	8.6	85.6
a QC 10	2	<input checked="" type="checkbox"/>	10	8.5	84.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.1	100.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	57.4	114.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	113.8	113.8
a qc 100	5	<input checked="" type="checkbox"/>	100	115.2	115.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	275.8	110.3
a QC 250	6	<input checked="" type="checkbox"/>	250	276.3	110.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	506.3	101.3
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	949.1	94.9
a qc 1000	8	<input checked="" type="checkbox"/>	1000	974.1	97.4

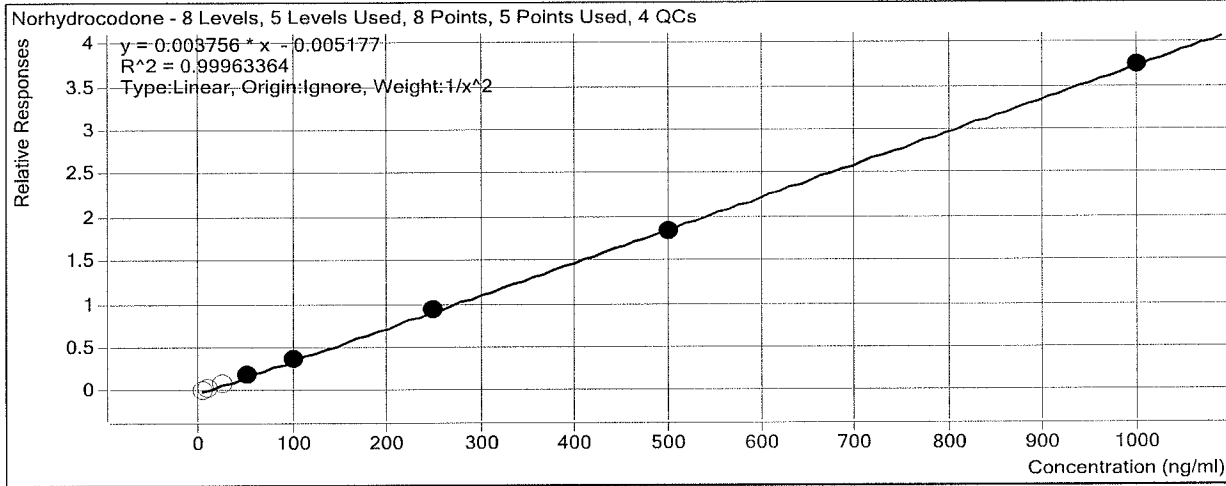
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

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Analyst Name ISP TOX

Target Compound *Norhydrocodone*
Internal Standard *Norhydrocodone-D3*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input type="checkbox"/>	5	7.4	148.3
a cal 2-10ng	2	<input type="checkbox"/>	10	9.8	98.4
a QC 10	2	<input type="checkbox"/>	10	10.8	108.1
a cal 3-25ng	3	<input type="checkbox"/>	25	25.3	101.0
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.4	98.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.4	102.4
a qc 100	5	<input checked="" type="checkbox"/>	100	95.8	95.8
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	250.9	100.4
a QC 250	6	<input checked="" type="checkbox"/>	250	271.9	108.7
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	493.7	98.7
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	996.2	99.6
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1052.0	105.2

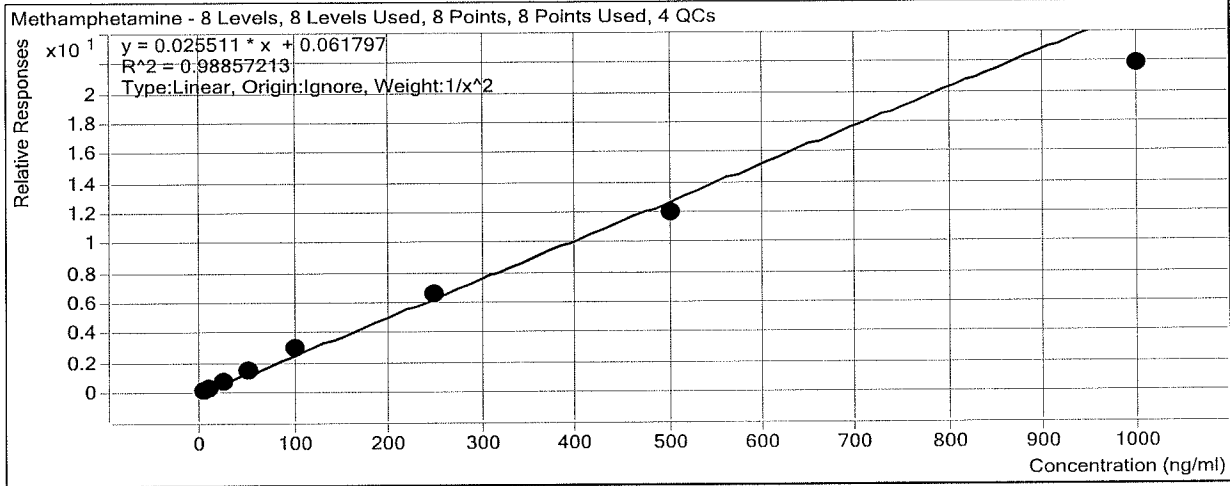
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

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Analyst Name ISP TOX

Target Compound *Methamphetamine*
Internal Standard *Methamphetamine-D11*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.1	90.6
a QC 10	2	<input checked="" type="checkbox"/>	10	10.4	103.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.5	106.1
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	54.0	107.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	112.4	112.4
a qc 100	5	<input checked="" type="checkbox"/>	100	103.5	103.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	255.6	102.2
a QC 250	6	<input checked="" type="checkbox"/>	250	252.7	101.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	466.0	93.2
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	854.3	85.4
a qc 1000	8	<input checked="" type="checkbox"/>	1000	848.9	84.9

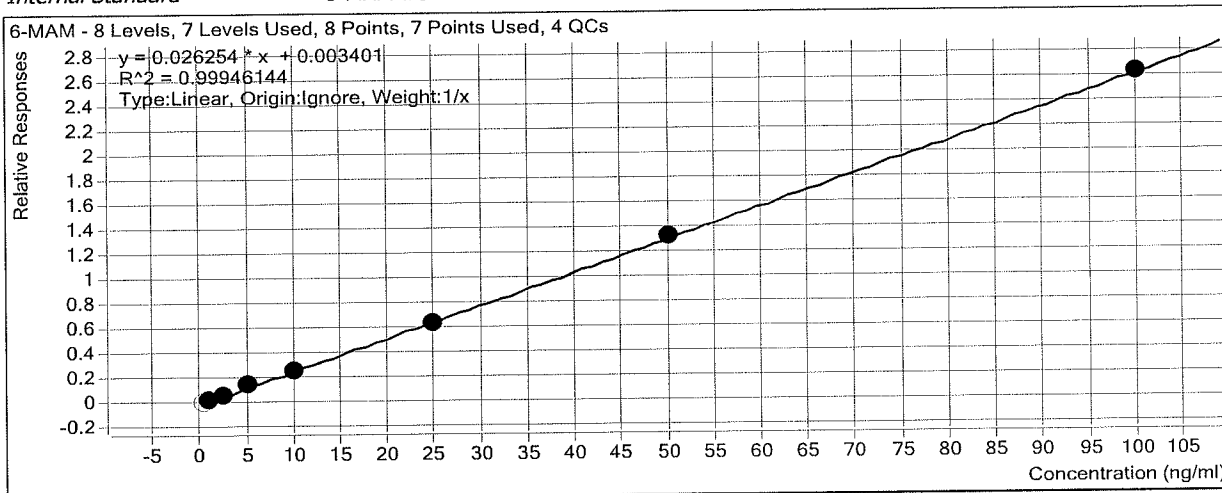
ISP Forensics Calibration Curve Report

Batch Data Path
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Analyst Name ISP TOX

Target Compound 6-MAM
Internal Standard 6-MAM-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input type="checkbox"/>	0.5	0.4	80.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.0	103.3
a QC 10	2	<input checked="" type="checkbox"/>	1	1.0	95.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.2	90.0
a cal 4-50ng	4	<input checked="" type="checkbox"/>	5	5.5	109.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.9	98.7
a qc 100	5	<input checked="" type="checkbox"/>	10	9.8	97.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	25	24.4	97.7
a QC 250	6	<input checked="" type="checkbox"/>	25	26.0	103.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	50	50.6	101.1
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	99.9	99.9
a qc 1000	8	<input checked="" type="checkbox"/>	100	100.5	100.5

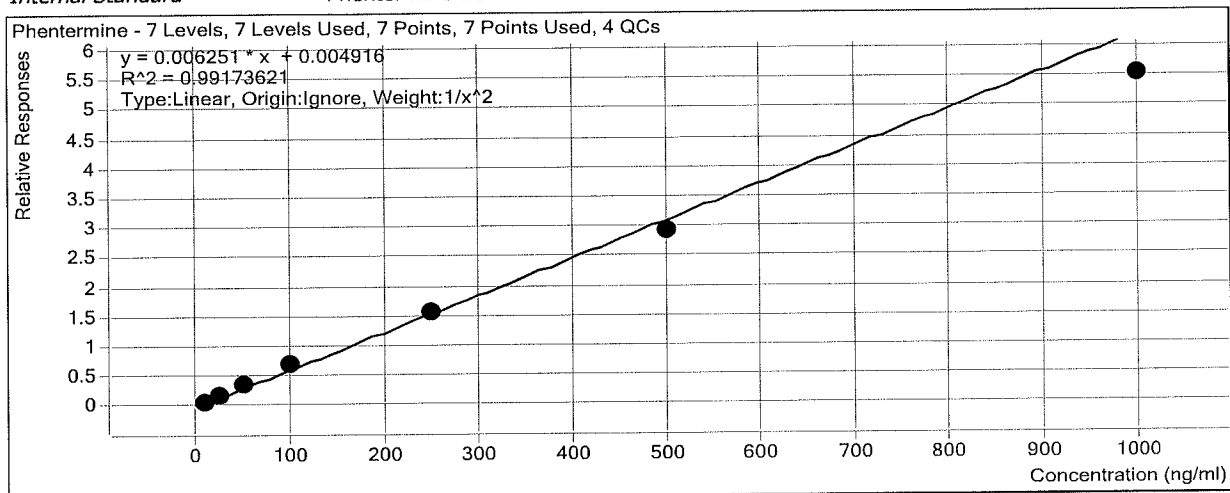
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

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Analyst Name ISP TOX

Target Compound Phentermine
Internal Standard Phentermine-D5



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	0.0	0.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	95.9
a QC 10	2	<input checked="" type="checkbox"/>	10	10.2	101.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.1	104.3
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	54.2	108.4
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	109.3	109.3
a qc 100	5	<input checked="" type="checkbox"/>	100	108.5	108.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	250.4	100.2
a QC 250	6	<input checked="" type="checkbox"/>	250	262.8	105.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	467.9	93.6
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	883.8	88.4
a qc 1000	8	<input checked="" type="checkbox"/>	1000	913.6	91.4

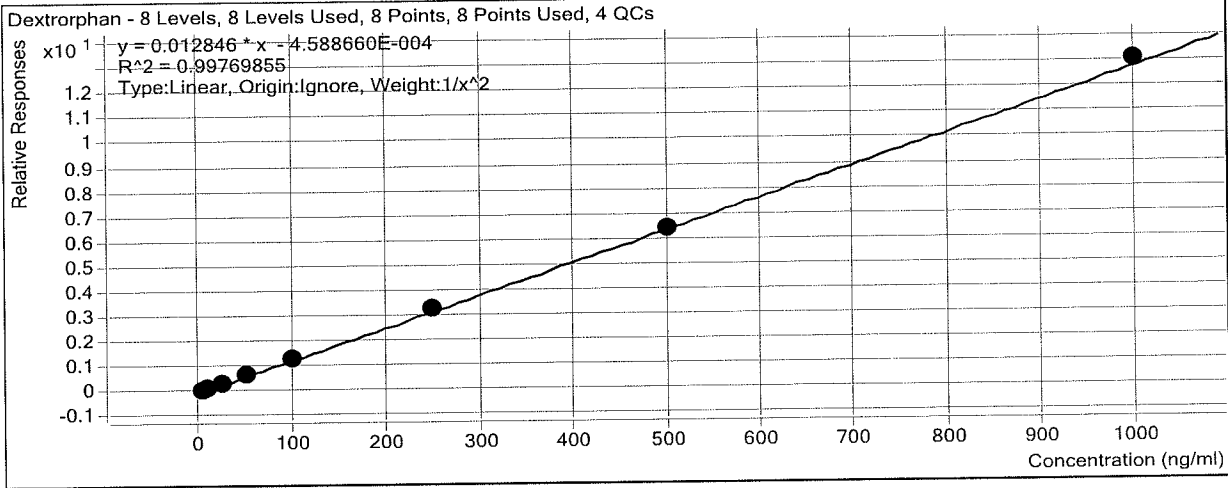
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

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Analyst Name ISP TOX

Target Compound *Dextrophan*
Internal Standard *Dextrophan-D3*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	104.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.3	92.9
a QC 10	2	<input checked="" type="checkbox"/>	10	9.9	98.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.5	94.2
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.5	102.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.0	102.0
a qc 100	5	<input checked="" type="checkbox"/>	100	100.4	100.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	254.4	101.8
a QC 250	6	<input checked="" type="checkbox"/>	250	273.6	109.4
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	501.4	100.3
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1017.1	101.7
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1009.2	100.9

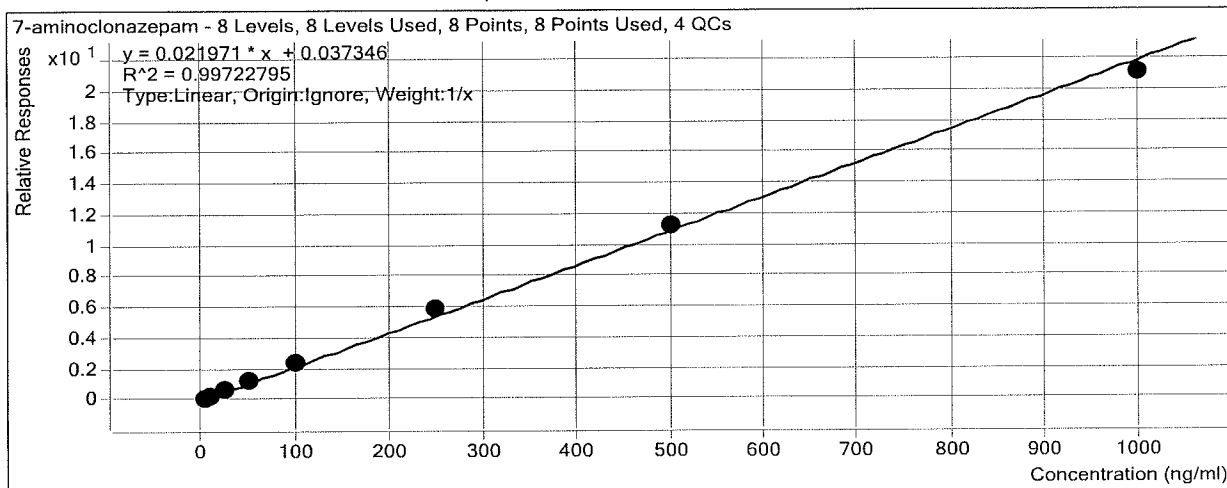
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

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Analyst Name ISP TOX

Target Compound 7-aminoclonazepam
Internal Standard 7-Aminoclonazepam-D4



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	3.9	79.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.2	92.1
a QC 10	2	<input checked="" type="checkbox"/>	10	9.4	93.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.0	104.1
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	55.2	110.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	109.6	109.6
a qc 100	5	<input checked="" type="checkbox"/>	100	109.2	109.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	266.7	106.7
a QC 250	6	<input checked="" type="checkbox"/>	250	269.1	107.7
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	511.2	102.2
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	958.1	95.8
a qc 1000	8	<input checked="" type="checkbox"/>	1000	969.8	97.0

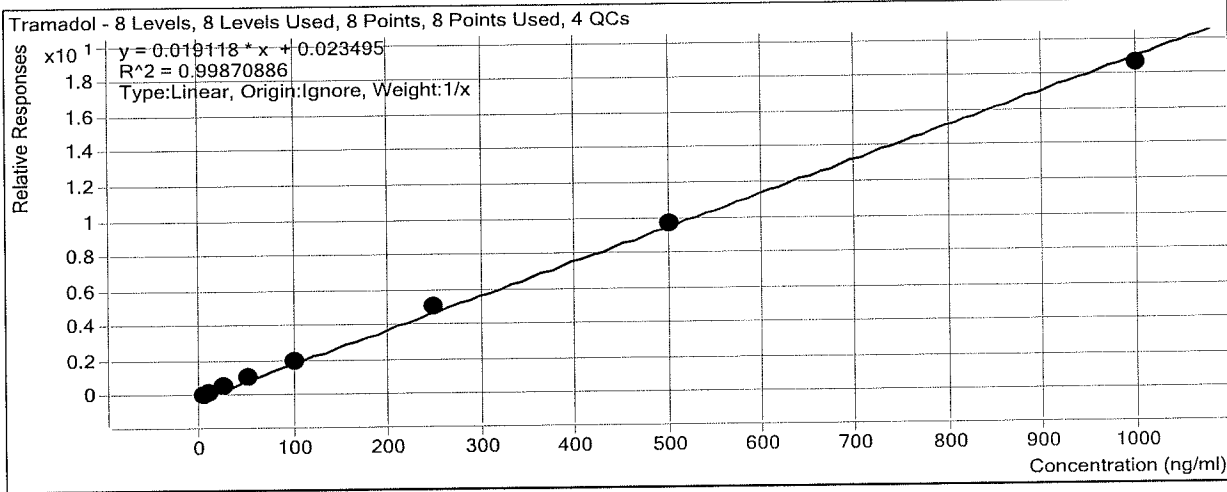
ISP Forensics Calibration Curve Report

Batch Data Path
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Analyst Name ISP TOX

Target Compound *Tramadol*
Internal Standard *Tramadol-13C-D3*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.4	88.9
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.4	94.1
a QC 10	2	<input checked="" type="checkbox"/>	10	10.1	100.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.4	101.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	53.6	107.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.6	103.6
a qc 100	5	<input checked="" type="checkbox"/>	100	105.5	105.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	266.2	106.5
a QC 250	6	<input checked="" type="checkbox"/>	250	264.3	105.7
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	504.1	100.8
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	973.3	97.3
a qc 1000	8	<input checked="" type="checkbox"/>	1000	986.3	98.6

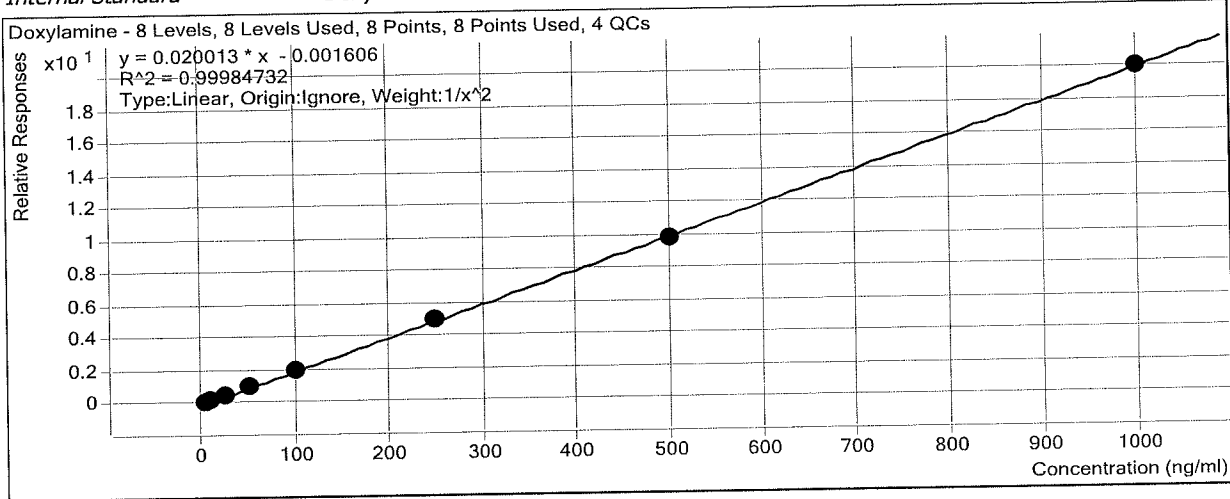
ISP Forensics Calibration Curve Report

Batch Data Path
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Analyst Name ISP TOX

Target Compound Doxylamine
Internal Standard Doxylamine-D5



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	99.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	99.8
a QC 10	2	<input checked="" type="checkbox"/>	10	10.7	107.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.4	101.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.7	101.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.6	100.6
a qc 100	5	<input checked="" type="checkbox"/>	100	103.0	103.0
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	247.6	99.0
a QC 250	6	<input checked="" type="checkbox"/>	250	263.8	105.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	492.0	98.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	996.8	99.7
a qc 1000	8	<input checked="" type="checkbox"/>	1000	958.8	95.9

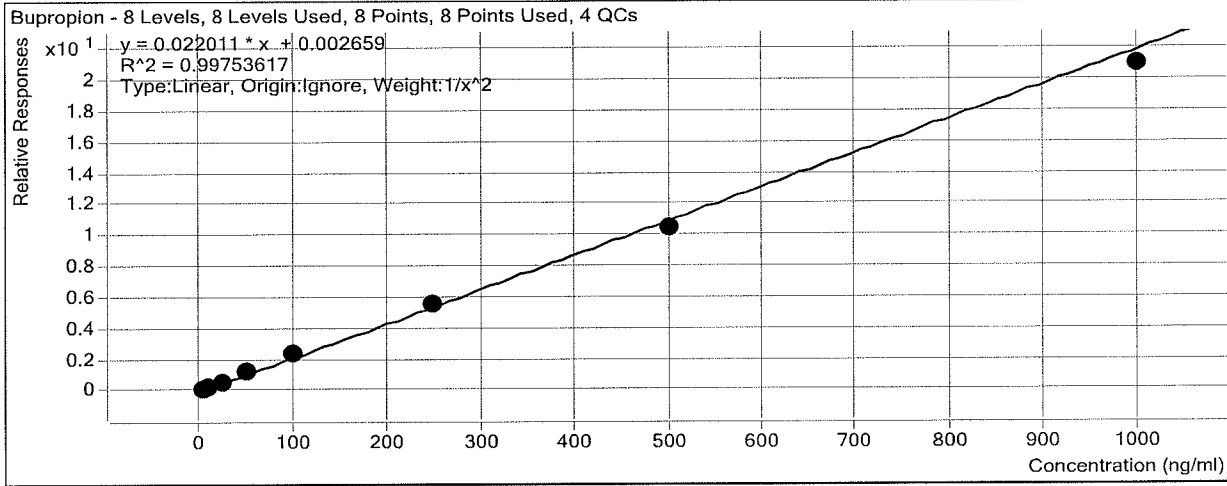
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

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Analyst Name ISP TOX

Target Compound *Bupropion*
Internal Standard *Bupropion-D9*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	99.1
a QC 10	2	<input checked="" type="checkbox"/>	10	9.8	97.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.4	97.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	53.6	107.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	105.1	105.1
a qc 100	5	<input checked="" type="checkbox"/>	100	99.1	99.1
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	251.7	100.7
a QC 250	6	<input checked="" type="checkbox"/>	250	238.8	95.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	476.1	95.2
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	951.8	95.2
a qc 1000	8	<input checked="" type="checkbox"/>	1000	984.3	98.4

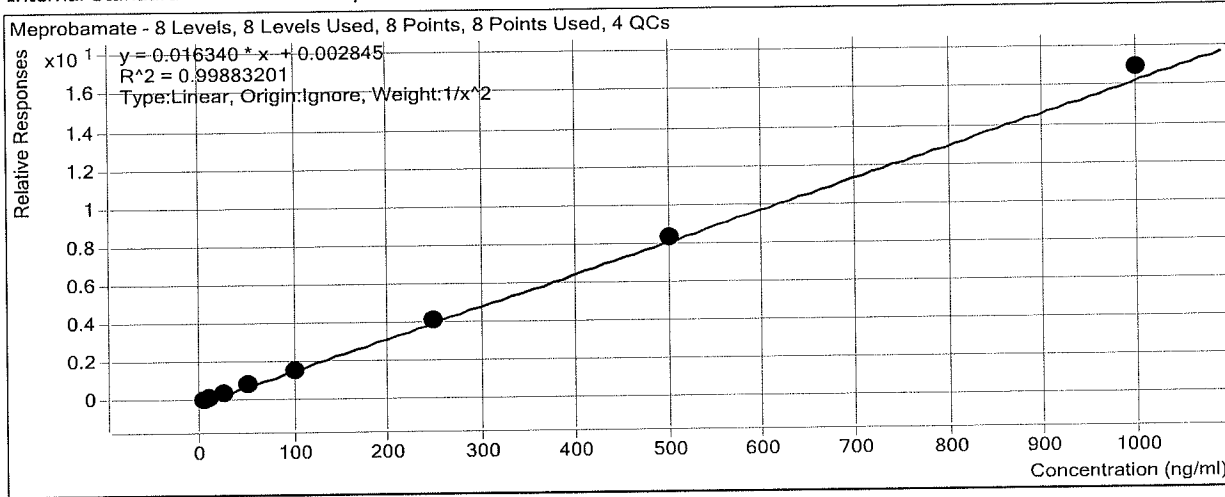
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

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Analyst Name ISP TOX

Target Compound *Meprobamate*
Internal Standard *Meprobamate-D7*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.4
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	97.2
a QC 10	2	<input checked="" type="checkbox"/>	10	10.5	105.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.9	95.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.6	99.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.5	97.5
a qc 100	5	<input checked="" type="checkbox"/>	100	107.1	107.1
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	255.6	102.2
a QC 250	6	<input checked="" type="checkbox"/>	250	261.6	104.6
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	510.5	102.1
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1036.4	103.6
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1053.2	105.3

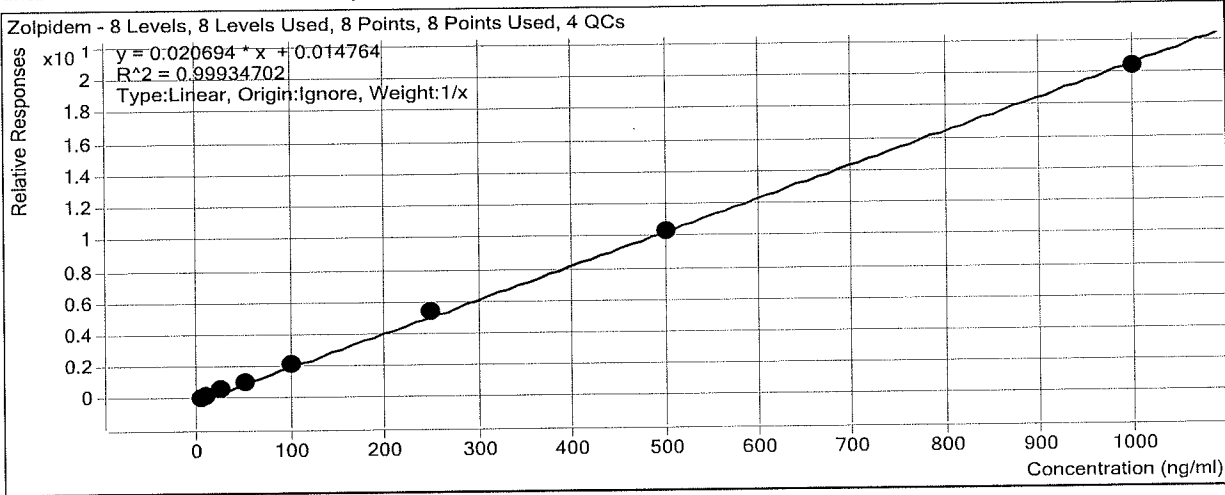
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

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Analyst Name ISP TOX

Target Compound *Zolpidem*
Internal Standard *Zolpidem-D6*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.7	94.4
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.2	91.8
a QC 10	2	<input checked="" type="checkbox"/>	10	9.9	98.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.9	103.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.9	101.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	105.9	105.9
a qc 100	5	<input checked="" type="checkbox"/>	100	101.9	101.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	260.3	104.1
a QC 250	6	<input checked="" type="checkbox"/>	250	260.8	104.3
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	498.4	99.7
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	984.6	98.5
a qc 1000	8	<input checked="" type="checkbox"/>	1000	964.6	96.5

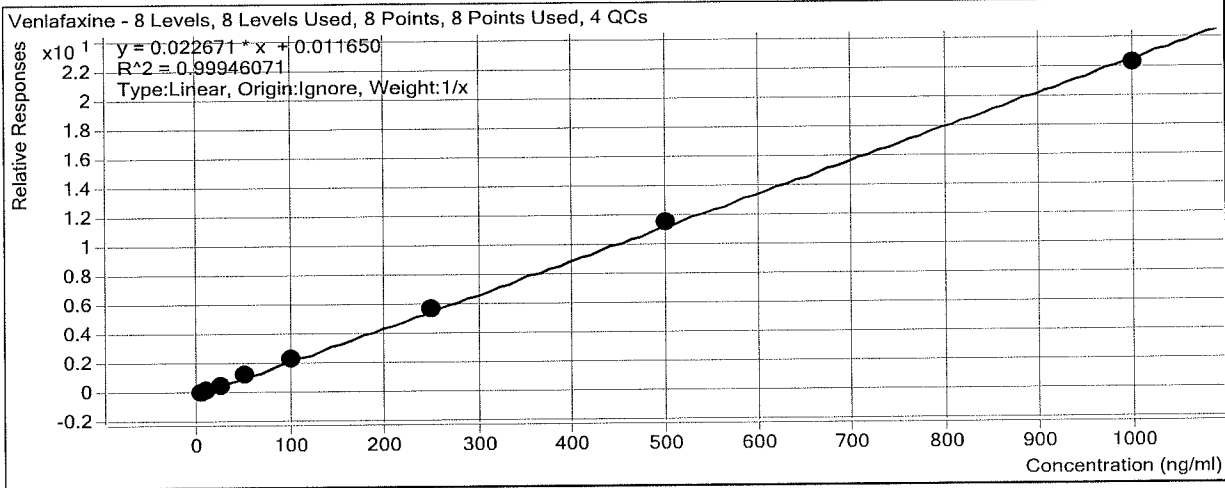
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

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Analyst Name ISP TOX

Target Compound *Venlafaxine*
Internal Standard *Venlafaxine-D6*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.8	96.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.4	94.4
a QC 10	2	<input checked="" type="checkbox"/>	10	10.3	102.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.4	97.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	53.0	105.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.8	103.8
a qc 100	5	<input checked="" type="checkbox"/>	100	103.2	103.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	256.0	102.4
a QC 250	6	<input checked="" type="checkbox"/>	250	261.4	104.6
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	506.9	101.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	981.6	98.2
a qc 1000	8	<input checked="" type="checkbox"/>	1000	945.0	94.5

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

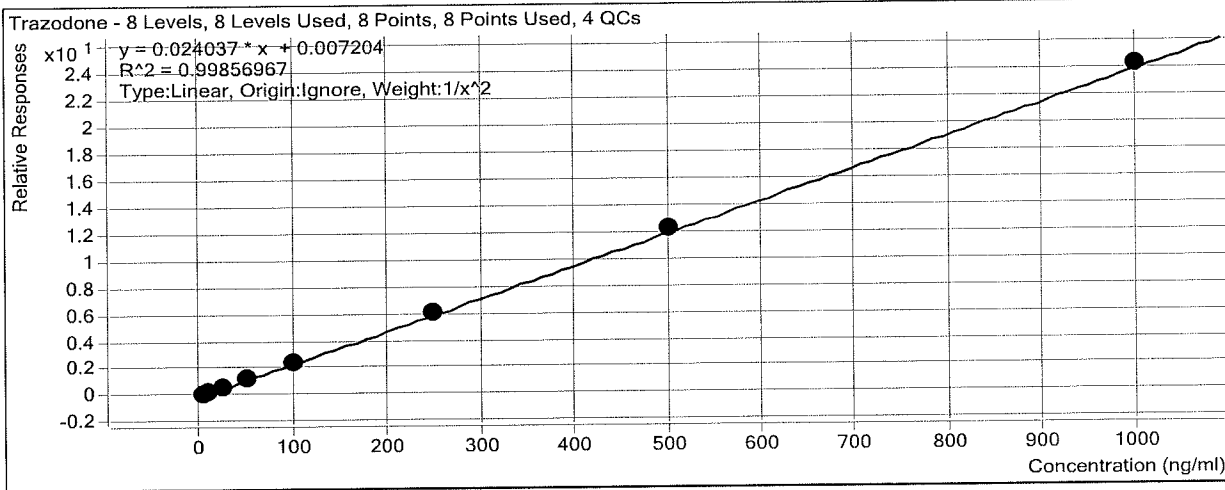
D:\2017 Data\03202018 mdq\QuantResults\mdq p1a.batch.bin
3/22/2018 7:53 AM

Analyst Name

ISP TOX

Target Compound
Internal Standard

Trazodone
Trazodone-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	103.5
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.3	93.2
a QC 10	2	<input checked="" type="checkbox"/>	10	9.7	97.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.7	98.8
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.0	101.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.4	98.4
a qc 100	5	<input checked="" type="checkbox"/>	100	98.0	98.0
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	250.5	100.2
a QC 250	6	<input checked="" type="checkbox"/>	250	249.0	99.6
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	514.7	102.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1010.4	101.0
a qc 1000	8	<input checked="" type="checkbox"/>	1000	982.4	98.2

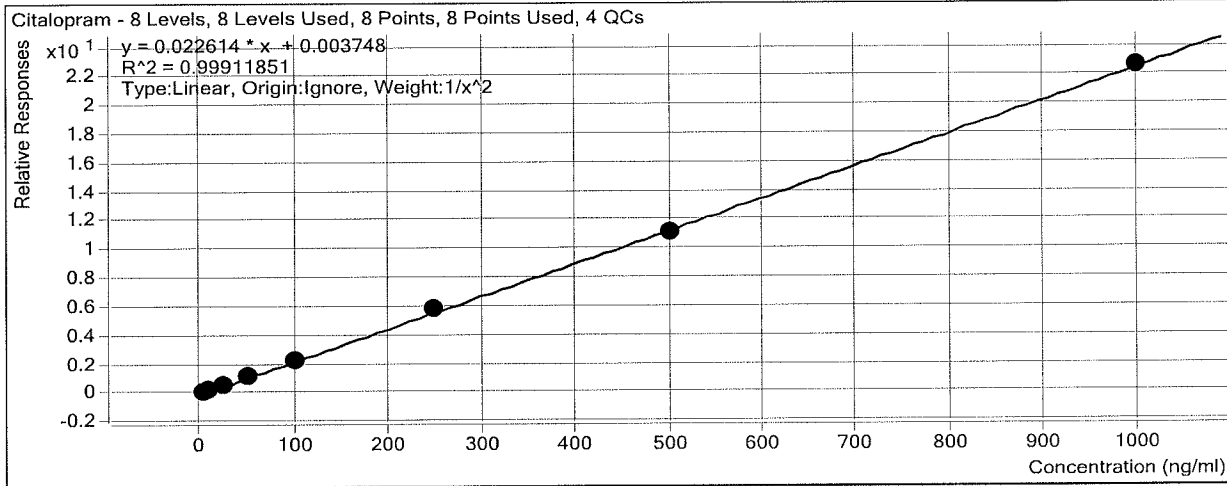
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\03202018 mdq\QuantResults\mdq p1a.batch.bin
3/22/2018 7:53 AM

Analyst Name ISP TOX

Target Compound *Citalopram*
Internal Standard *Citalopram-D6*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.5
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	94.9
a QC 10	2	<input checked="" type="checkbox"/>	10	9.9	98.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.8	99.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.5	101.0
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.2	102.2
a qc 100	5	<input checked="" type="checkbox"/>	100	103.0	103.0
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	255.0	102.0
a QC 250	6	<input checked="" type="checkbox"/>	250	249.3	99.7
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	490.3	98.1
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1000.1	100.0
a qc 1000	8	<input checked="" type="checkbox"/>	1000	979.7	98.0

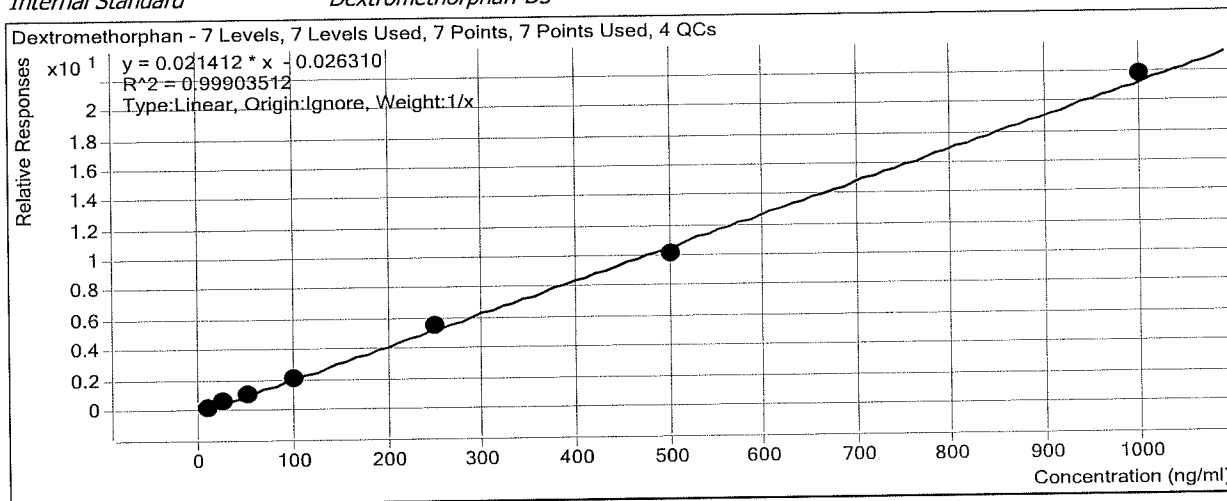
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\03202018 mdq\QuantResults\mdq p1a.batch.bin
3/22/2018 7:53 AM

Analyst Name ISP TOX

Target Compound *Dextromethorphan*
Internal Standard *Dextromethorphan-D3*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	0.0	0.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.2	101.9
a QC 10	2	<input checked="" type="checkbox"/>	10	11.3	112.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.1	100.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.4	98.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.0	99.0
a qc 100	5	<input checked="" type="checkbox"/>	100	99.4	99.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	256.6	102.6
a QC 250	6	<input checked="" type="checkbox"/>	250	252.3	100.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	476.7	95.3
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1018.0	101.8
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1022.4	102.2

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

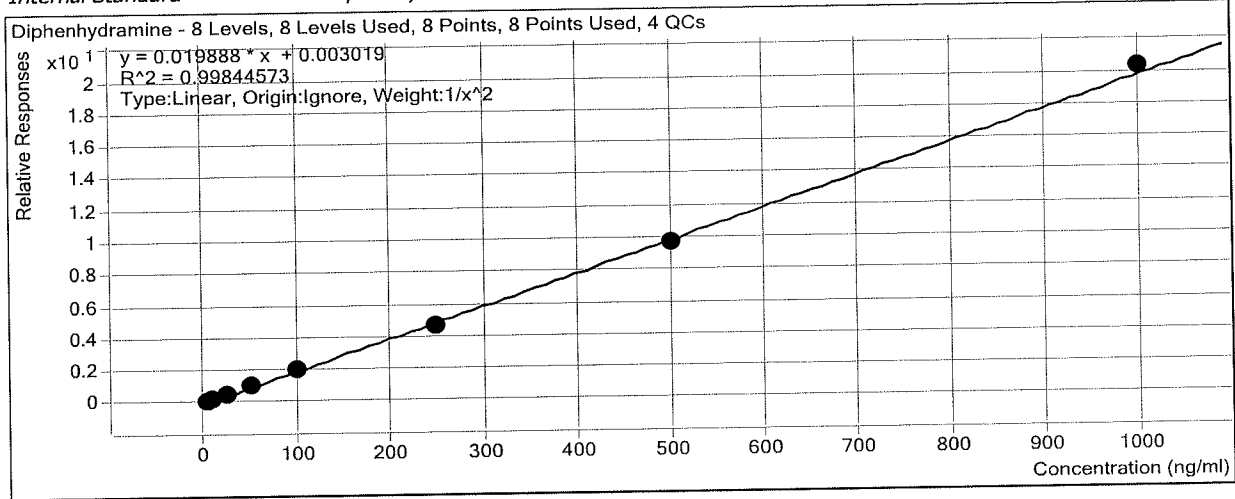
D:\2017 Data\03202018 mdq\QuantResults\mdq p1a.batch.bin
3/22/2018 7:53 AM

Analyst Name

ISP TOX

Target Compound
Internal Standard

Diphenhydramine
Diphenhydramine-D3



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	101.4
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.2
a QC 10	2	<input checked="" type="checkbox"/>	10	10.6	106.1
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.1	100.3
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.7	103.4
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	104.0	104.0
a qc 100	5	<input checked="" type="checkbox"/>	100	101.8	101.8
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	236.2	94.5
a QC 250	6	<input checked="" type="checkbox"/>	250	268.9	107.6
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	490.7	98.1
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1021.0	102.1
a qc 1000	8	<input checked="" type="checkbox"/>	1000	913.3	91.3

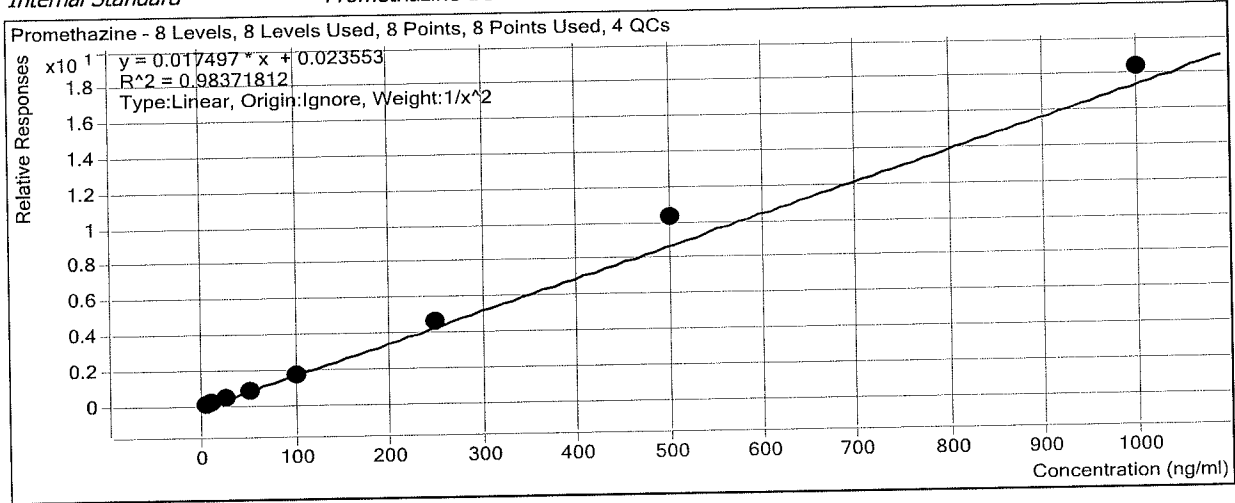
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\03202018 mdq\QuantResults\mdq p1a.batch.bin
3/22/2018 7:53 AM

Analyst Name ISP TOX

Target Compound Promethazine
Internal Standard Promethazine-D3



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.5	109.6
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	8.7	87.5
a QC 10	2	<input checked="" type="checkbox"/>	10	8.6	86.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	21.2	84.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.4	96.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	94.0	94.0
a qc 100	5	<input checked="" type="checkbox"/>	100	109.1	109.1
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	262.4	104.9
a QC 250	6	<input checked="" type="checkbox"/>	250	242.1	96.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	586.8	117.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1048.8	104.9
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1099.1	109.9

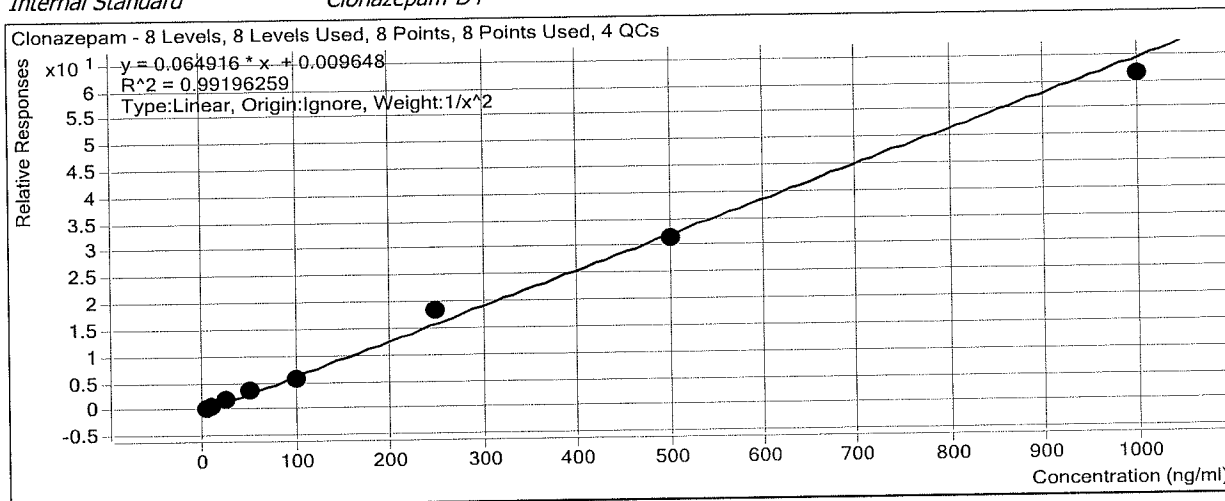
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\03202018 mdq\QuantResults\mdq p1a.batch.bin
3/22/2018 7:53 AM

Analyst Name ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.8	95.8
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.9	108.8
a QC 10	2	<input checked="" type="checkbox"/>	10	11.5	114.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.0	99.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.0	102.0
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	88.7	88.7
a qc 100	5	<input checked="" type="checkbox"/>	100	111.2	111.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	282.2	112.9
a QC 250	6	<input checked="" type="checkbox"/>	250	263.0	105.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	487.3	97.5
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	944.9	94.5
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1044.7	104.5

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

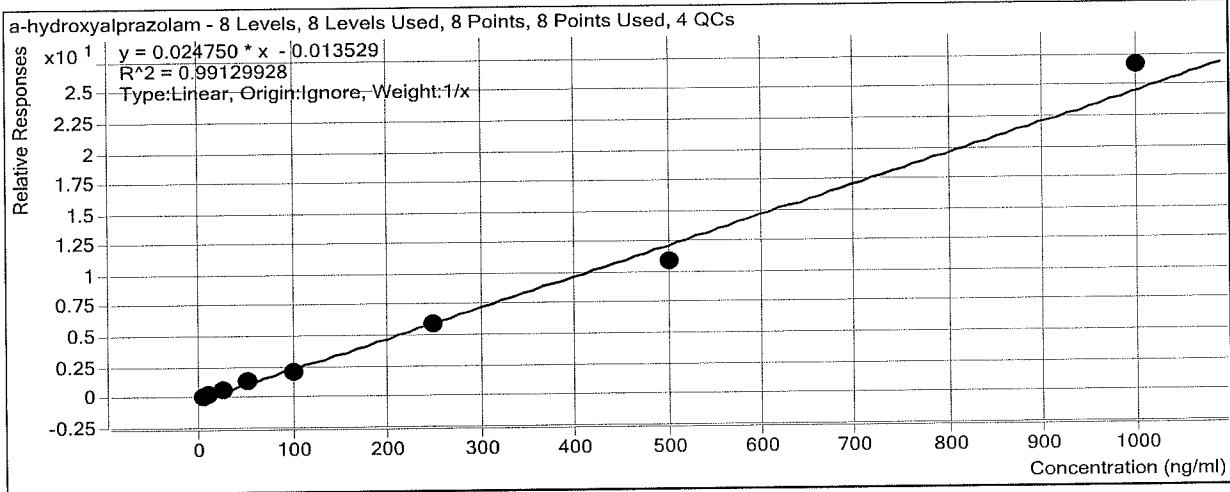
D:\2017 Data\03202018 mdq\QuantResults\mdq p1a.batch.bin
3/22/2018 7:53 AM

Analyst Name

ISP TOX

Target Compound
Internal Standard

a-hydroxyalprazolam
a-hydroxyalprazolam-D5



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.7	114.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.4	93.7
a QC 10	2	<input checked="" type="checkbox"/>	10	10.2	102.1
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	27.3	109.3
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.4	102.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	87.6	87.6
a qc 100	5	<input checked="" type="checkbox"/>	100	101.1	101.1
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	242.6	97.0
a QC 250	6	<input checked="" type="checkbox"/>	250	238.9	95.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	439.0	87.8
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1077.0	107.7
a qc 1000	8	<input checked="" type="checkbox"/>	1000	960.7	96.1

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

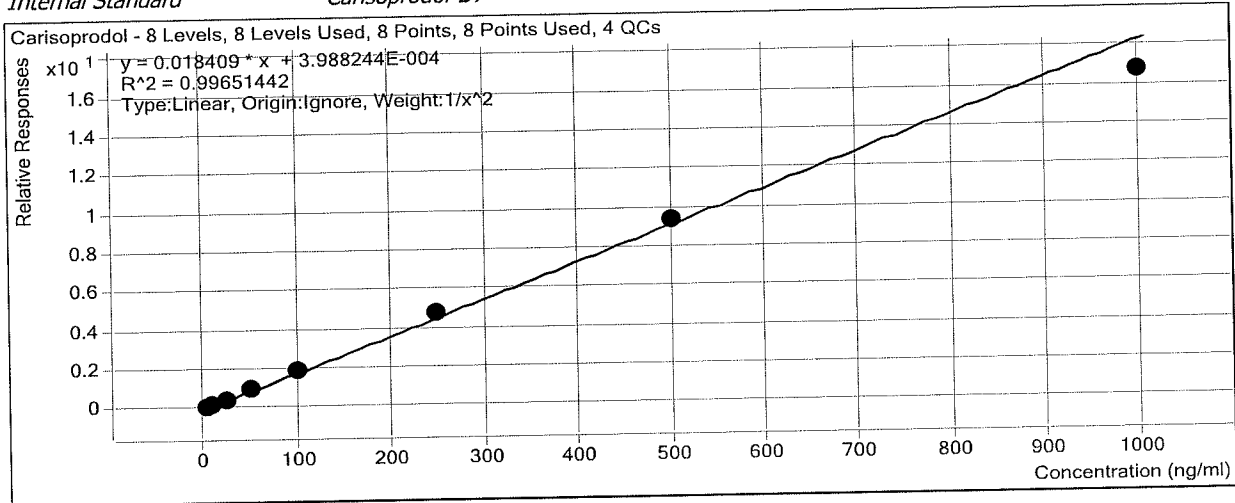
D:\2017 Data\03202018 mdq\QuantResults\mdq p1a.batch.bin
3/22/2018 7:53 AM

Analyst Name

ISP TOX

Target Compound
Internal Standard

Carisoprodol
Carisoprodol-D7



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.8
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	99.2
a QC 10	2	<input checked="" type="checkbox"/>	10	10.4	103.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.5	94.1
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.6	105.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	104.5	104.5
a qc 100	5	<input checked="" type="checkbox"/>	100	103.6	103.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	257.4	103.0
a QC 250	6	<input checked="" type="checkbox"/>	250	259.0	103.6
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	512.5	102.5
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	907.7	90.8
a qc 1000	8	<input checked="" type="checkbox"/>	1000	988.6	98.9

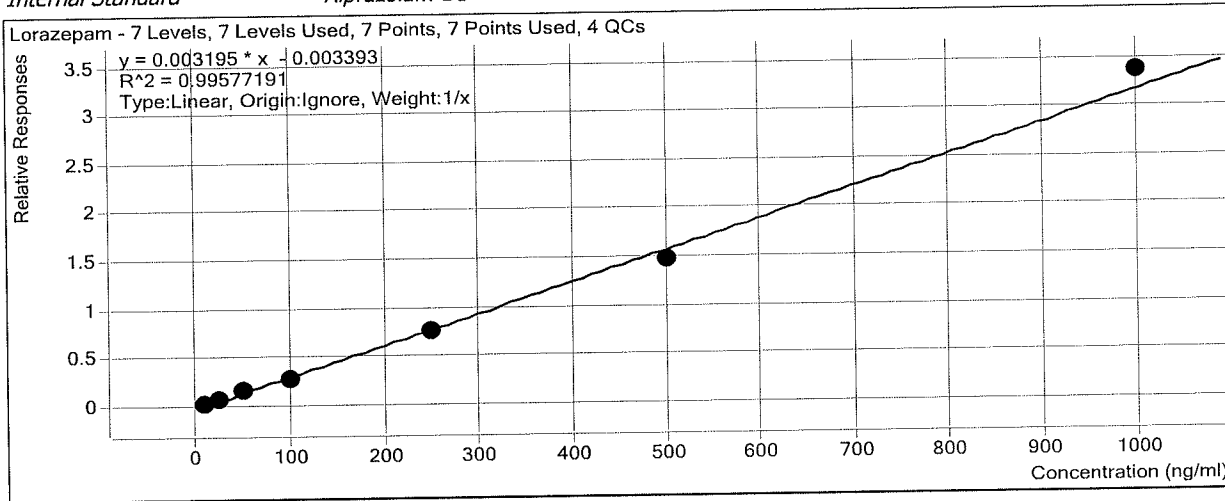
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\03202018 mdq\QuantResults\mdq p1a.batch.bin
3/22/2018 7:53 AM

Analyst Name ISP TOX

Target Compound Lorazepam
Internal Standard Alprazolam-D5



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input type="checkbox"/>	5	0.0	0.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	11.8	117.6
a QC 10	2	<input checked="" type="checkbox"/>	10	11.3	113.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.5	97.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.5	101.0
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	89.9	89.9
a qc 100	5	<input checked="" type="checkbox"/>	100	83.3	83.3
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	236.9	94.8
a QC 250	6	<input checked="" type="checkbox"/>	250	198.7	79.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	467.6	93.5
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1053.9	105.4
a qc 1000	8	<input checked="" type="checkbox"/>	1000	975.2	97.5

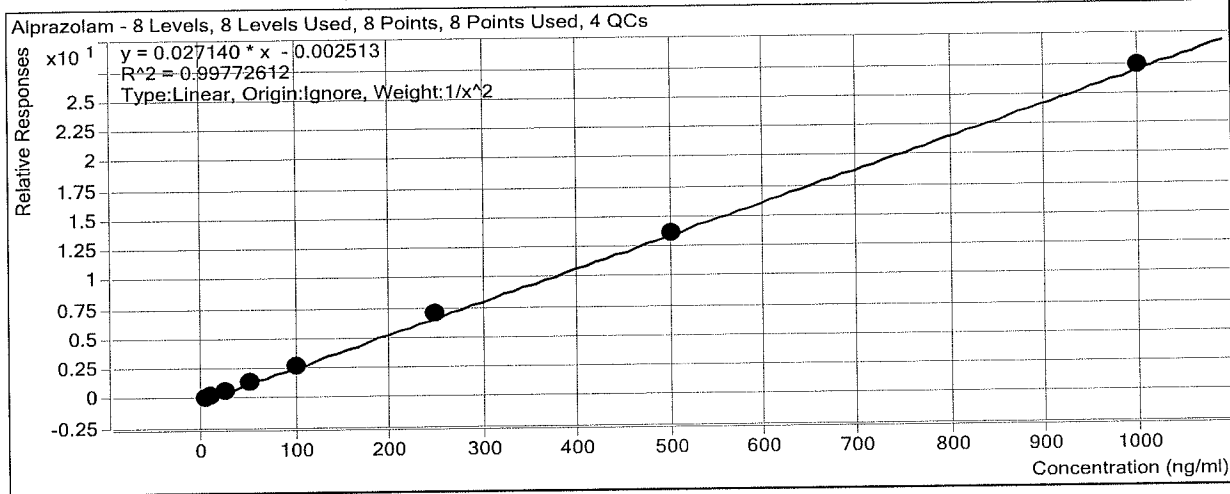
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\03202018 mdq\QuantResults\mdq p1a.batch.bin
3/22/2018 7:53 AM

Analyst Name ISP TOX

Target Compound Alprazolam
Internal Standard Alprazolam-D5



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	104.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.4	93.5
a QC 10	2	<input checked="" type="checkbox"/>	10	9.5	95.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.6	94.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.7	99.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.6	102.6
a qc 100	5	<input checked="" type="checkbox"/>	100	93.1	93.1
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	261.7	104.7
a QC 250	6	<input checked="" type="checkbox"/>	250	243.6	97.4
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	502.0	100.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1007.8	100.8
a qc 1000	8	<input checked="" type="checkbox"/>	1000	941.5	94.1

ISP FORENSICS - Cd'A Instrument # 62340

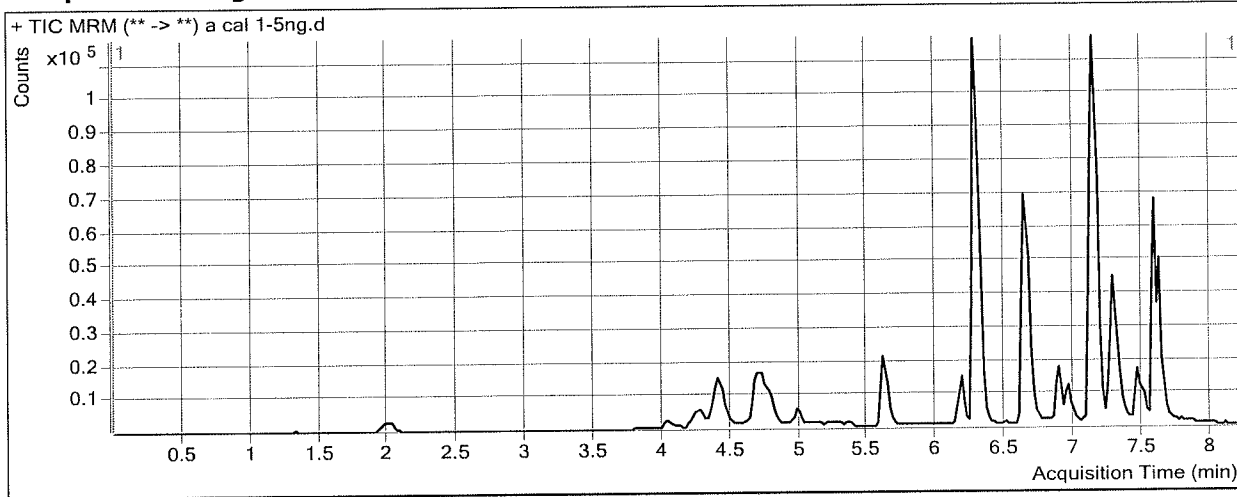
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\03202018 mdq\QuantResults\mdq p1a.batch.bin
Analysis Time 3/22/2018 7:53 AM **Analyst Name** ISP Tox
Report Time 3/22/2018 7:58 AM **Reporter Name** ISP Tox
Last Calib Update 3/22/2018 7:53 AM **Batch State** Processed

Analysis Info

Acq Time 2018-03-20 14:55 **Data File** a cal 1-5ng.d
Sample Type Calibration **Sample Name** a cal 1-5ng
Dilution 1 **Acq Method** Quant Panel 1a 10-17.m
Position P1-A1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.328	521	833	0.6257	5.3959
Hydromorphone	Hydromorphone-D6	2.029	2277	14226	0.1601	5.2027
Codeine	Codeine-D6	4.115	1163	8709	0.1336	5.7962
Amphetamine	Amphetamine-D11	4.403	19132	18727	1.0216	6.5413
Oxycodone	Oxycodone-D6	4.469	5074	39766	0.1276	4.9994
Hydrocodone	Hydrocodone-D6	4.794	3848	34674	0.1110	3.9356
Norhydrocodone	Norhydrocodone-D3	4.818	256	11290	0.0227	7.4158
Methamphetamine	Methamphetamine-D11	4.802	10568	55009	0.1921	5.1087
6-MAM	6-MAM-D6	4.988	190	13571	0.0140	0.4033
Dextrorphan	Dextrorphan-D3	6.183	2417	36337	0.0665	5.2145
7-aminoclonazepam	7-Aminoclonazepam-D4	6.312	5675	45733	0.1241	3.9486
Tramadol	Tramadol-13C-D3	6.302	31496	290245	0.1085	4.4472
Doxylamine	Doxylamine-D5	6.662	19679	200485	0.0982	4.9849
Bupropion	Bupropion-D9	6.910	5346	47419	0.1127	5.0006
Meprobamate	Meprobamate-D7	6.992	2262	26148	0.0865	5.1192
Zolpidem	Zolpidem-D6	7.163	23799	211651	0.1124	4.7203
Venlafaxine	Venlafaxine-D6	7.125	18863	156341	0.1207	4.8083
Trazodone	Trazodone-D6	7.336	4001	30411	0.1316	5.1739
Citalopram	Citalopram-D6	7.257	4548	38023	0.1196	5.1231
Diphenhydramine	Diphenhydramine-D3	7.291	6476	62352	0.1039	5.0706
Promethazine	Promethazine-D3	7.466	3246	27178	0.1194	5.4798
Clonazepam	Clonazepam-D4	7.502	2379	7422	0.3206	4.7903
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.560	1076	8435	0.1276	5.7003

ISP FORENSICS - Cd'A Instrument # 62340
Multi-Drug Confirmatory Analysis Report

plc call

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Carisoprodol	Carisoprodol-D7	7.592	11575	124205	0.0932	5.0409
Alprazolam	Alprazolam-D5	7.626	10307	74230	0.1389	5.2088



ISP FORENSICS - Cd'A Instrument # 62340

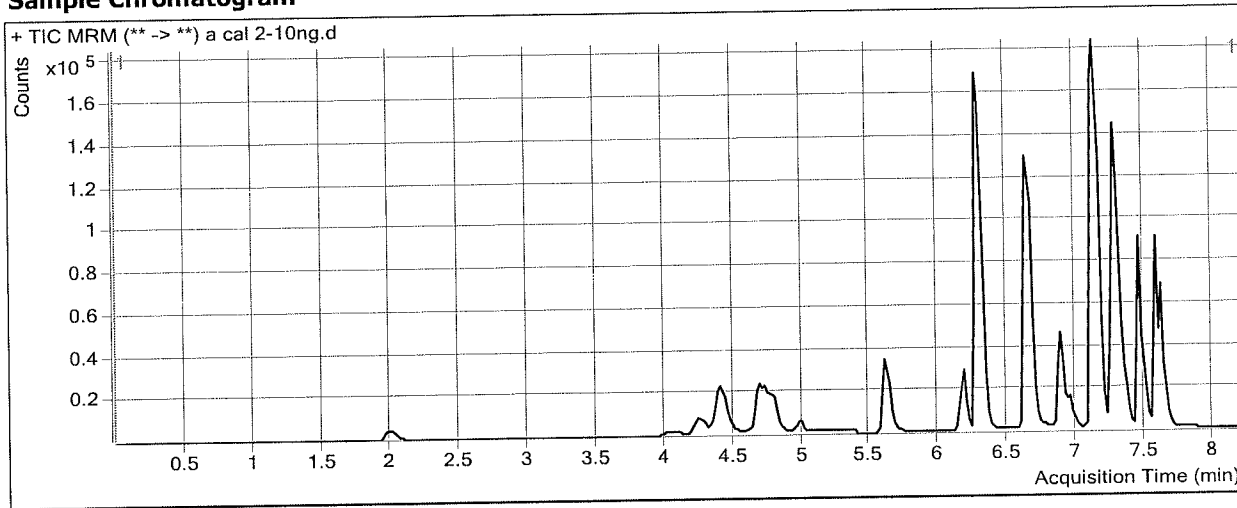
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\03202018 mdq\QuantResults\mdq p1a.batch.bin
Analysis Time 3/22/2018 7:53 AM **Analyst Name** ISP Tox
Report Time 3/22/2018 7:58 AM **Reporter Name** ISP Tox
Last Calib Update 3/22/2018 7:53 AM **Batch State** Processed

Analysis Info

Acq Time 2018-03-20 15:20 **Data File** a cal 2-10ng.d
Sample Type Calibration **Sample Name** a cal 2-10ng
Dilution 1 **Acq Method** Quant Panel 1a 10-17.m
Position P1-B1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.348	1041	892	1.1675	9.7834
Hydromorphone	Hydromorphone-D6	2.029	4725	16250	0.2908	9.3237
Codeine	Codeine-D6	4.115	2338	10170	0.2299	9.5100
Amphetamine	Amphetamine-D11	4.403	39262	30973	1.2676	9.6611
Oxycodone	Oxycodone-D6	4.469	12168	47677	0.2552	9.9845
Hydrocodone	Hydrocodone-D6	4.774	8529	44684	0.1909	8.5592
Norhydrocodone	Norhydrocodone-D3	4.799	517	16283	0.0318	9.8351
Methamphetamine	Methamphetamine-D11	4.802	24876	84925	0.2929	9.0597
6-MAM	6-MAM-D6	4.988	497	16282	0.0305	1.0333
Phentermine	Phentermine-D5	5.666	7366	113534	0.0649	9.5924
Dextrorphan	Dextrorphan-D3	6.183	7913	66582	0.1188	9.2876
7-aminoclonazepam	7-Aminoclonazepam-D4	6.312	12475	52031	0.2398	9.2131
Tramadol	Tramadol-13C-D3	6.302	85466	420171	0.2034	9.4109
Doxylamine	Doxylamine-D5	6.662	70240	354658	0.1980	9.9763
Bupropion	Bupropion-D9	6.910	26262	118912	0.2209	9.9129
Meprobamate	Meprobamate-D7	6.972	4835	29906	0.1617	9.7202
Zolpidem	Zolpidem-D6	7.163	58424	285262	0.2048	9.1836
Venlafaxine	Venlafaxine-D6	7.125	68429	303262	0.2256	9.4392
Trazodone	Trazodone-D6	7.336	23118	99972	0.2312	9.3209
Citalopram	Citalopram-D6	7.257	24757	113429	0.2183	9.4859
Dextromethorphan	Dextromethorphan-D3	7.268	4882	25449	0.1918	10.1872
Diphenhydramine	Diphenhydramine-D3	7.291	38096	195956	0.1944	9.6233
Promethazine	Promethazine-D3	7.466	30953	175252	0.1766	8.7483

ISP FORENSICS - Cd'A Instrument # 62340
Multi-Drug Confirmatory Analysis Report

Plac cal 2

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.502	5760	8049	0.7156	10.8752
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.560	2158	9883	0.2183	9.3683
Carisoprodol	Carisoprodol-D7	7.592	24527	134062	0.1830	9.9167
Lorazepam	Alprazolam-D5	7.602	2926	85613	0.0342	11.7573
Alprazolam	Alprazolam-D5	7.626	21518	85613	0.2513	9.3535



ISP FORENSICS - Cd'A Instrument # 62340

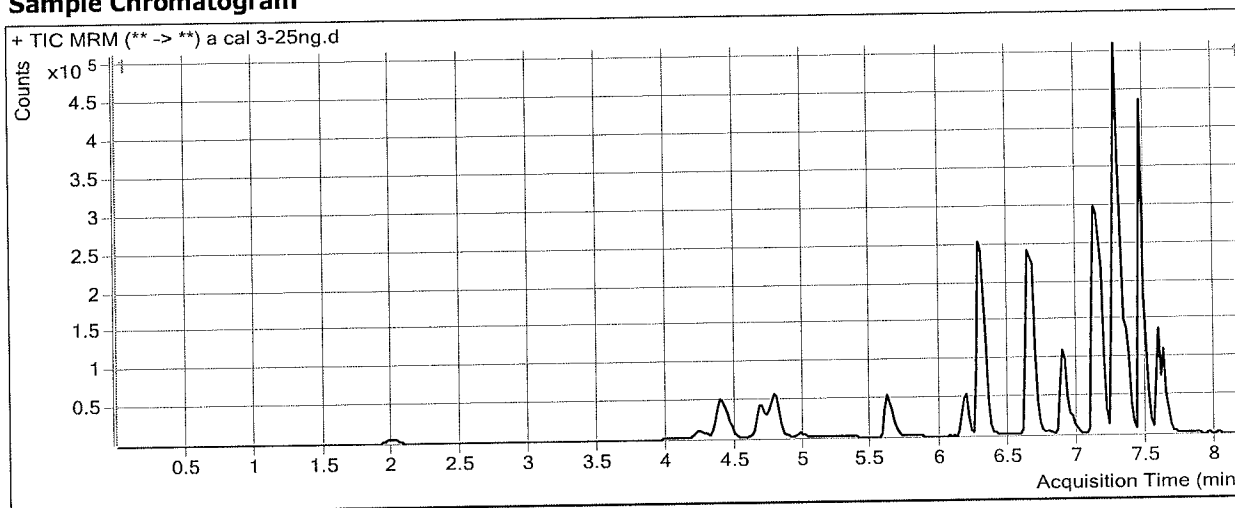
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\03202018 mdq\QuantResults\mdq p1a.batch.bin
Analysis Time 3/22/2018 7:53 AM **Analyst Name** ISP Tox
Report Time 3/22/2018 7:58 AM **Reporter Name** ISP Tox
Last Calib Update 3/22/2018 7:53 AM **Batch State** Processed

Analysis Info

Acq Time	2018-03-20 15:46	Data File	a cal 3-25ng.d
Sample Type	Calibration	Sample Name	a cal 3-25ng
Dilution	1	Acq Method	Quant Panel 1a 10-17.m
Position	P1-C1	Sample Info	
Inj Vol	-1	Comment	AM 28 Panel 1

Sample Chromatogram




Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.328	3019	985	3.0642	25.1435
Hydromorphone	Hydromorphone-D6	2.029	14495	19215	0.7543	23.9389
Codeine	Codeine-D6	4.095	6926	11644	0.5948	23.5798
Amphetamine	Amphetamine-D11	4.403	132617	53509	2.4784	25.0170
Oxycodone	Oxycodone-D6	4.469	34177	54380	0.6285	24.5664
Hydrocodone	Hydrocodone-D6	4.774	24732	51796	0.4775	25.1471
Norhydrocodone	Norhydrocodone-D3	4.799	1713	19101	0.0897	25.2559
Methamphetamine	Methamphetamine-D11	4.802	132721	179776	0.7383	26.5169
6-MAM	6-MAM-D6	4.988	1164	18634	0.0624	2.2491
Phentermine	Phentermine-D5	5.666	31190	185782	0.1679	26.0692
Dextrorphan	Dextrorphan-D3	6.183	29512	97727	0.3020	23.5442
7-aminoclonazepam	7-Aminoclonazepam-D4	6.292	35190	57762	0.6092	26.0293
Tramadol	Tramadol-13C-D3	6.302	263994	519176	0.5085	25.3689
Doxylamine	Doxylamine-D5	6.662	247537	489161	0.5060	25.3660
Bupropion	Bupropion-D9	6.910	125963	233473	0.5395	24.3899
Meprobamate	Meprobamate-D7	6.972	12169	30920	0.3936	23.9111
Zolpidem	Zolpidem-D6	7.163	187693	340405	0.5514	25.9313
Venlafaxine	Venlafaxine-D6	7.125	257410	455230	0.5655	24.4282
Trazodone	Trazodone-D6	7.336	157448	261894	0.6012	24.7119
Citalopram	Citalopram-D6	7.257	181033	320069	0.5656	24.8457
Dextromethorphan	Dextromethorphan-D3	7.268	41284	80638	0.5120	25.1391
Diphenhydramine	Diphenhydramine-D3	7.291	265727	529881	0.5015	25.0632
Promethazine	Promethazine-D3	7.466	274794	695836	0.3949	21.2245

ISP FORENSICS - Cd'A Instrument # 62340
Multi-Drug Confirmatory Analysis Report

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Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.502	14705	9017	1.6308	24.9730
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.560	6414	9673	0.6630	27.3353
Carisoprodol	Carisoprodol-D7	7.592	63323	146149	0.4333	23.5146
Lorazepam	Alprazolam-D5	7.602	7083	94700	0.0748	24.4717
Alprazolam	Alprazolam-D5	7.626	60413	94700	0.6379	23.5980



ISP FORENSICS - Cd'A Instrument # 62340

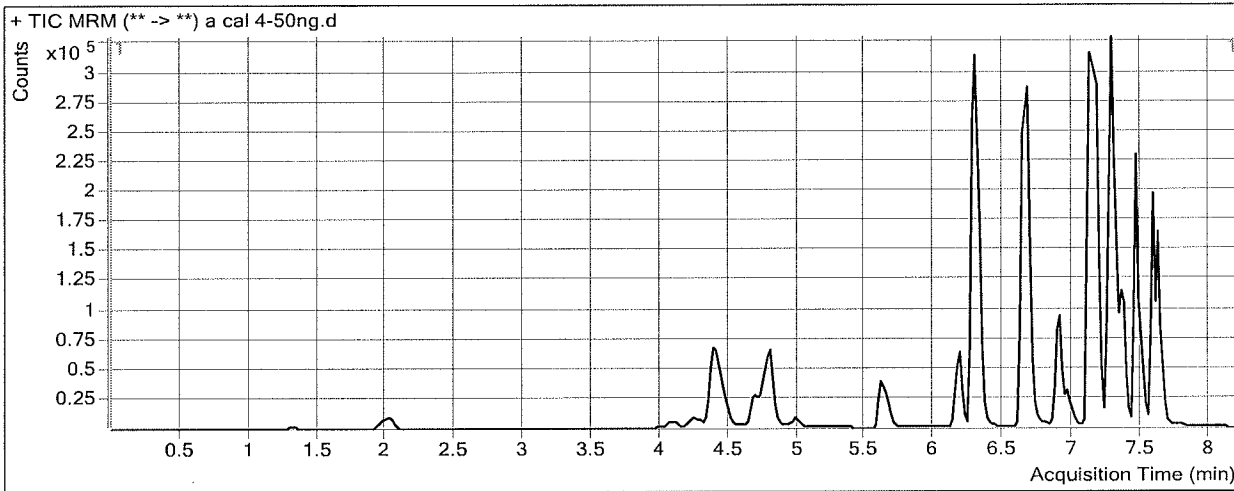
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\03202018 mdq\QuantResults\mdq p1a.batch.bin		
Analysis Time	3/22/2018 7:53 AM	Analyst Name	ISP Tox
Report Time	3/22/2018 7:58 AM	Reporter Name	ISP Tox
Last Calib Update	3/22/2018 7:53 AM	Batch State	Processed

Analysis Info

Acq Time	2018-03-20 16:11	Data File	a cal 4-50ng.d
Sample Type	Calibration	Sample Name	a cal 4-50ng
Dilution	1	Acq Method	Quant Panel 1a 10-17.m
Position	P1-D1	Sample Info	
Inj Vol	-1	Comment	AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.328	5041	783	6.4365	52.4535
Hydromorphone	Hydromorphone-D6	2.029	25580	15927	1.6061	50.7952
Codeine	Codeine-D6	4.095	12964	10362	1.2511	48.8833
Amphetamine	Amphetamine-D11	4.403	173342	35169	4.9288	56.0938
Oxycodone	Oxycodone-D6	4.469	63356	47763	1.3265	51.8333
Hydrocodone	Hydrocodone-D6	4.774	46298	44723	1.0352	57.4270
Norhydrocodone	Norhydrocodone-D3	4.799	2969	16443	0.1805	49.4428
Methamphetamine	Methamphetamine-D11	4.802	135299	94077	1.4382	53.9532
6-MAM	6-MAM-D6	4.988	2521	17174	0.1468	5.4612
Phentermine	Phentermine-D5	5.666	43677	127116	0.3436	54.1774
Dextroprphan	Dextroprphan-D3	6.183	48876	73999	0.6605	51.4529
7-aminoclonazepam	7-Aminoclonazepam-D4	6.292	64361	51455	1.2508	55.2313
Tramadol	Tramadol-13C-D3	6.302	460894	439419	1.0489	53.6352
Doxylamine	Doxylamine-D5	6.662	388285	383547	1.0124	50.6651
Bupropion	Bupropion-D9	6.910	146465	123914	1.1820	53.5780
Meprobamate	Meprobamate-D7	6.992	22909	28151	0.8138	49.6273
Zolpidem	Zolpidem-D6	7.163	320969	300435	1.0683	50.9131
Venlafaxine	Venlafaxine-D6	7.125	402259	331759	1.2125	52.9697
Trazodone	Trazodone-D6	7.356	162352	131784	1.2319	50.9535
Citalopram	Citalopram-D6	7.257	167419	146108	1.1459	50.5048
Dextromethorphan	Dextromethorphan-D3	7.268	36902	35775	1.0315	49.4027
Diphenhydramine	Diphenhydramine-D3	7.291	252648	244946	1.0314	51.7100
Promethazine	Promethazine-D3	7.466	212913	244421	0.8711	48.4401

ISP FORENSICS - Cd'A Instrument # 62340
Multi-Drug Confirmatory Analysis Report

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Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.502	26823	8079	3.3199	50.9925
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.560	10900	8658	1.2591	51.4178
Carisoprodol	Carisoprodol-D7	7.592	131278	135475	0.9690	52.6173
Lorazepam	Alprazolam-D5	7.602	13474	85318	0.1579	50.4909
Alprazolam	Alprazolam-D5	7.626	114955	85318	1.3474	49.7381



ISP FORENSICS - Cd'A Instrument # 62340

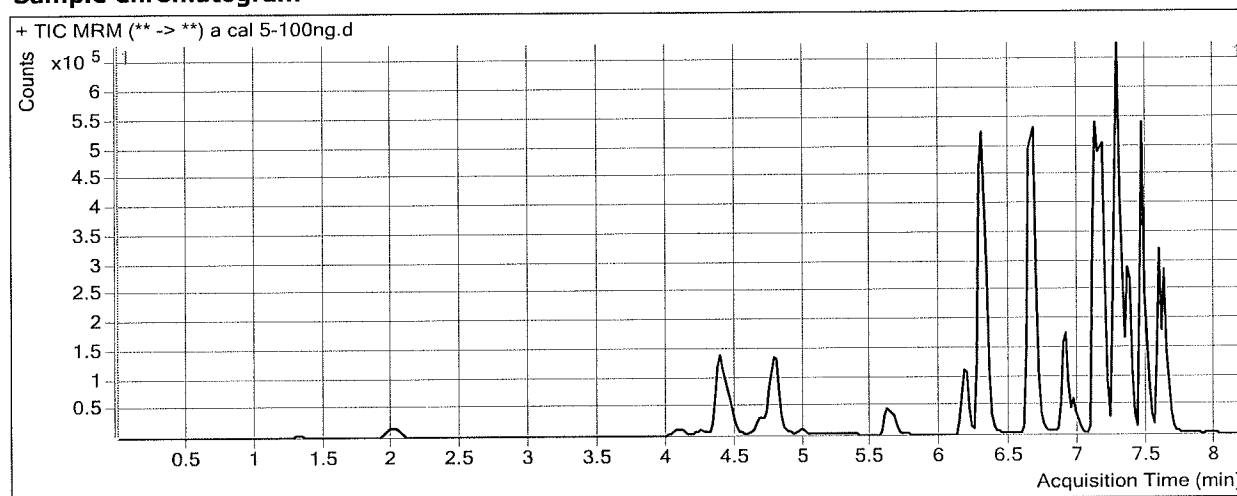
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\03202018 mdq\QuantResults\mdq p1a.batch.bin
Analysis Time 3/22/2018 7:53 AM **Analyst Name** ISP Tox
Report Time 3/22/2018 7:58 AM **Reporter Name** ISP Tox
Last Calib Update 3/22/2018 7:53 AM **Batch State** Processed

Analysis Info

Acq Time 2018-03-20 16:37 **Data File** a cal 5-100ng.d
Sample Type Calibration **Sample Name** a cal 5-100ng
Dilution 1 **Acq Method** Quant Panel 1a 10-17.m
Position P1-E1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.328	11068	940	11.7691	95.6388
Hydromorphone	Hydromorphone-D6	2.009	53695	17179	3.1256	98.7031
Codeine	Codeine-D6	4.095	27465	10955	2.5071	97.3089
Amphetamine	Amphetamine-D11	4.403	374997	40872	9.1748	109.9431
Oxycodone	Oxycodone-D6	4.449	140253	53381	2.6274	102.6527
Hydrocodone	Hydrocodone-D6	4.774	97322	48452	2.0087	113.7663
Norhydrocodone	Norhydrocodone-D3	4.799	6535	17228	0.3793	102.3661
Methamphetamine	Methamphetamine-D11	4.802	320425	109394	2.9291	112.3971
6-MAM	6-MAM-D6	4.988	4822	18360	0.2627	9.8749
Phentermine	Phentermine-D5	5.666	96371	140005	0.6883	109.3234
Dextroprphan	Dextroprphan-D3	6.163	110775	84572	1.3098	102.0009
7-aminoclonazepam	7-Aminoclonazepam-D4	6.292	136508	55837	2.4447	109.5730
Tramadol	Tramadol-13C-D3	6.302	994660	496413	2.0037	103.5803
Doxylamine	Doxylamine-D5	6.662	907571	451027	2.0122	100.6265
Bupropion	Bupropion-D9	6.910	325511	140580	2.3155	105.0736
Meprobamate	Meprobamate-D7	6.972	52426	32832	1.5968	97.5493
Zolpidem	Zolpidem-D6	7.163	712635	322920	2.2068	105.9294
Venlafaxine	Venlafaxine-D6	7.125	894550	378122	2.3658	103.8404
Trazodone	Trazodone-D6	7.356	439631	185325	2.3722	98.3923
Citalopram	Citalopram-D6	7.257	455776	196886	2.3149	102.2018
Dextromethorphan	Dextromethorphan-D3	7.268	104021	49691	2.0934	98.9941
Diphenhydramine	Diphenhydramine-D3	7.291	689928	333185	2.0707	103.9649
Promethazine	Promethazine-D3	7.466	649573	389547	1.6675	93.9579

ISP FORENSICS - Cd'A Instrument # 62340
Multi-Drug Confirmatory Analysis Report

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Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.502	49940	8654	5.7707	88.7461
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.560	21160	9821	2.1546	87.6014
Carisoprodol	Carisoprodol-D7	7.592	262833	136605	1.9240	104.4954
Lorazepam	Alprazolam-D5	7.602	23964	84434	0.2838	89.8939
Alprazolam	Alprazolam-D5	7.626	234839	84434	2.7813	102.5739



ISP FORENSICS - Cd'A Instrument # 62340

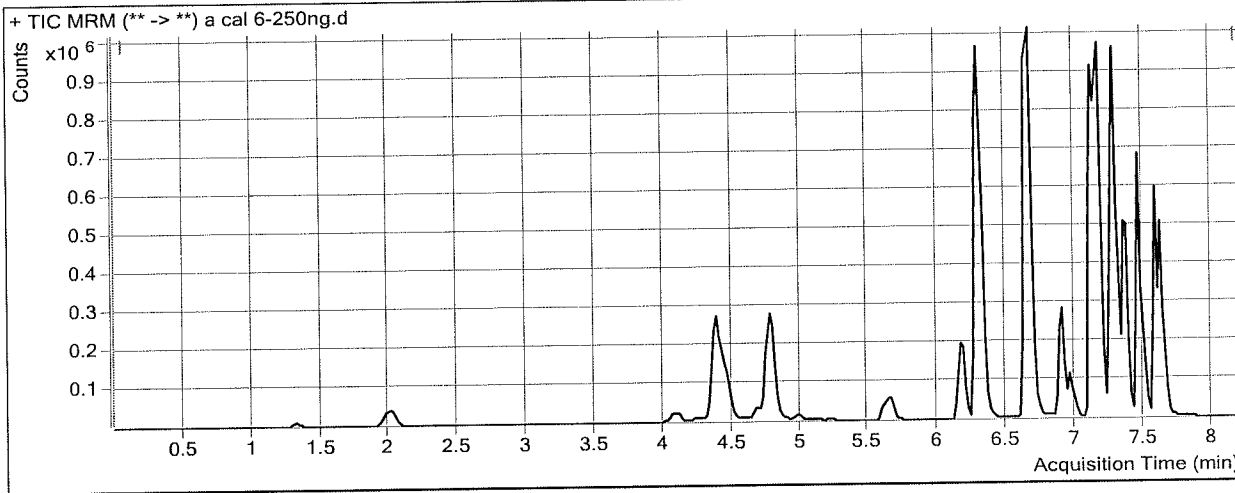
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\03202018 mdq\QuantResults\mdq p1a.batch.bin
Analysis Time 3/22/2018 7:53 AM **Analyst Name** ISP Tox
Report Time 3/22/2018 7:58 AM **Reporter Name** ISP Tox
Last Calib Update 3/22/2018 7:53 AM **Batch State** Processed

Analysis Info

Acq Time 2018-03-20 17:02 **Data File** a cal 6-250ng.d
Sample Type Calibration **Sample Name** a cal 6-250ng
Dilution 1 **Acq Method** Quant Panel 1a 10-17.m
Position P1-F1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.328	25517	896	28.4872	231.0276
Hydromorphone	Hydromorphone-D6	2.009	126186	15701	8.0370	253.5542
Codeine	Codeine-D6	4.095	62706	9837	6.3745	246.4159
Amphetamine	Amphetamine-D11	4.403	747277	34692	21.5402	266.7646
Oxycodone	Oxycodone-D6	4.449	331700	51687	6.4175	250.7139
Hydrocodone	Hydrocodone-D6	4.774	213151	44329	4.8084	275.8097
Norhydrocodone	Norhydrocodone-D3	4.779	13890	14817	0.9374	250.9439
Methamphetamine	Methamphetamine-D11	4.802	603195	91654	6.5812	255.5583
6-MAM	6-MAM-D6	4.988	11082	17183	0.6449	24.4352
Phentermine	Phentermine-D5	5.666	185774	118302	1.5703	250.4119
Dextrorphan	Dextrorphan-D3	6.163	231756	70921	3.2678	254.4217
7-aminoclonazepam	7-Aminoclonazepam-D4	6.292	287247	48704	5.8978	266.7402
Tramadol	Tramadol-13C-D3	6.302	2225634	435333	5.1125	266.1950
Doxylamine	Doxylamine-D5	6.662	1874464	378387	4.9538	247.6106
Bupropion	Bupropion-D9	6.910	548913	99035	5.5426	251.6842
Meprobamate	Meprobamate-D7	6.972	122814	29389	4.1789	255.5705
Zolpidem	Zolpidem-D6	7.163	1594987	295245	5.4022	260.3427
Venlafaxine	Venlafaxine-D6	7.125	1862062	320161	5.8160	256.0308
Trazodone	Trazodone-D6	7.356	848078	140704	6.0274	250.4609
Citalopram	Citalopram-D6	7.257	787934	136538	5.7708	255.0224
Dextromethorphan	Dextromethorphan-D3	7.268	160298	29318	5.4675	256.5726
Diphenhydramine	Diphenhydramine-D3	7.291	1123296	238987	4.7002	236.1792
Promethazine	Promethazine-D3	7.466	1115277	241719	4.6139	262.3570

ISP FORENSICS - Cd'A Instrument # 62340
Multi-Drug Confirmatory Analysis Report

Ala cal 6

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.502	115245	6288	18.3273	282.1738
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.560	46421	7749	5.9908	242.5979
Carisoprodol	Carisoprodol-D7	7.592	543229	114643	4.7384	257.3791
Lorazepam	Alprazolam-D5	7.602	50307	66767	0.7535	236.8872
Alprazolam	Alprazolam-D5	7.626	474009	66767	7.0994	261.6785



ISP FORENSICS - Cd'A Instrument # 62340

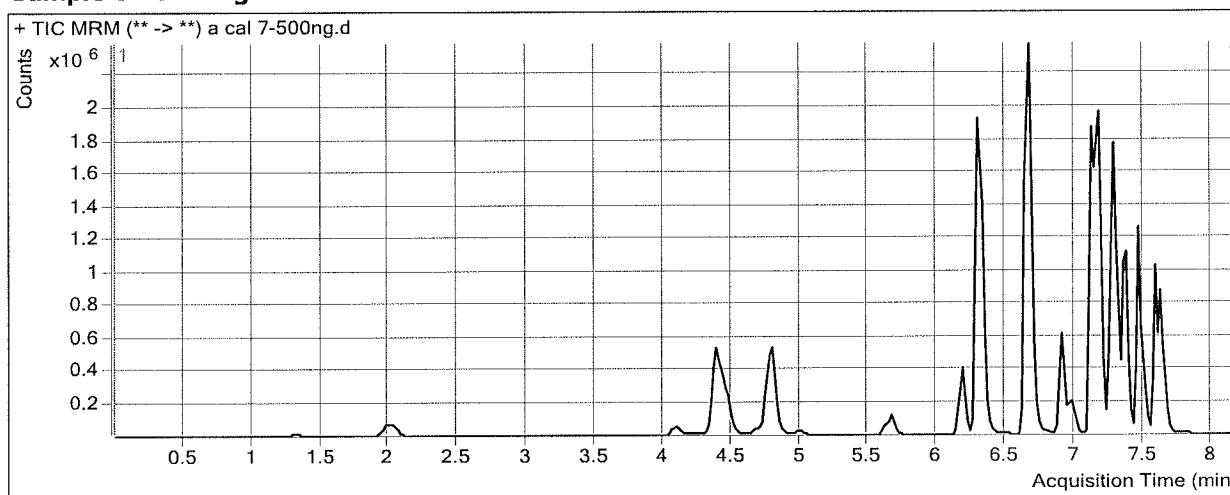
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\03202018 mdq\QuantResults\mdq p1a.batch.bin
Analysis Time 3/22/2018 7:53 AM **Analyst Name** ISP Tox
Report Time 3/22/2018 7:58 AM **Reporter Name** ISP Tox
Last Calib Update 3/22/2018 7:53 AM **Batch State** Processed

Analysis Info

Acq Time 2018-03-20 17:28 **Data File** a cal 7-500ng.d
Sample Type Calibration **Sample Name** a cal 7-500ng
Dilution 1 **Acq Method** Quant Panel 1a 10-17.m
Position P1-G1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.328	50022	833	60.0465	486.6062
Hydromorphone	Hydromorphone-D6	2.029	288225	17228	16.7304	527.6469
Codeine	Codeine-D6	4.095	129250	9947	12.9942	501.6424
Amphetamine	Amphetamine-D11	4.403	1468138	40035	36.6712	458.6618
Oxycodone	Oxycodone-D6	4.469	720534	56500	12.7528	498.2037
Hydrocodone	Hydrocodone-D6	4.774	446732	50820	8.7905	506.2804
Norhydrocodone	Norhydrocodone-D3	4.799	28778	15561	1.8494	493.7349
Methamphetamine	Methamphetamine-D11	4.802	1206855	100989	11.9504	466.0265
6-MAM	6-MAM-D6	4.988	24270	18240	1.3306	50.5514
Phentermine	Phentermine-D5	5.666	374764	127918	2.9297	467.8653
Dextropropion	Dextropropion-D3	6.183	473449	73519	6.4398	501.3536
7-aminoclonazepam	7-Aminoclonazepam-D4	6.312	534683	47447	11.2690	511.2101
Tramadol	Tramadol-13C-D3	6.302	4703508	486911	9.6599	504.0601
Doxylamine	Doxylamine-D5	6.662	4305302	437352	9.8440	491.9608
Bupropion	Bupropion-D9	6.910	1205742	115026	10.4824	476.1027
Meprobamate	Meprobamate-D7	6.992	251656	30159	8.3442	510.4836
Zolpidem	Zolpidem-D6	7.163	3277439	317301	10.3291	498.4268
Venlafaxine	Venlafaxine-D6	7.125	3994834	347280	11.5032	506.8932
Trazodone	Trazodone-D6	7.356	1869049	150988	12.3788	514.6985
Citalopram	Citalopram-D6	7.257	1502336	135447	11.0917	490.3160
Dextromethorphan	Dextromethorphan-D3	7.268	337202	33120	10.1813	476.7216
Diphenhydramine	Diphenhydramine-D3	7.291	2344695	240168	9.7627	490.7251
Promethazine	Promethazine-D3	7.466	2212551	215003	10.2908	586.8111

ISP FORENSICS - Cd'A Instrument # 62340
Multi-Drug Confirmatory Analysis Report

Pl a cal 7

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.502	206152	6515	31.6445	487.3172
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.560	91166	8402	10.8507	438.9573
Carisoprodol	Carisoprodol-D7	7.592	1016932	107780	9.4353	512.5181
Lorazepam	Alprazolam-D5	7.602	97170	65189	1.4906	467.5912
Alprazolam	Alprazolam-D5	7.626	887932	65189	13.6208	501.9658



ISP FORENSICS - Cd'A Instrument # 62340

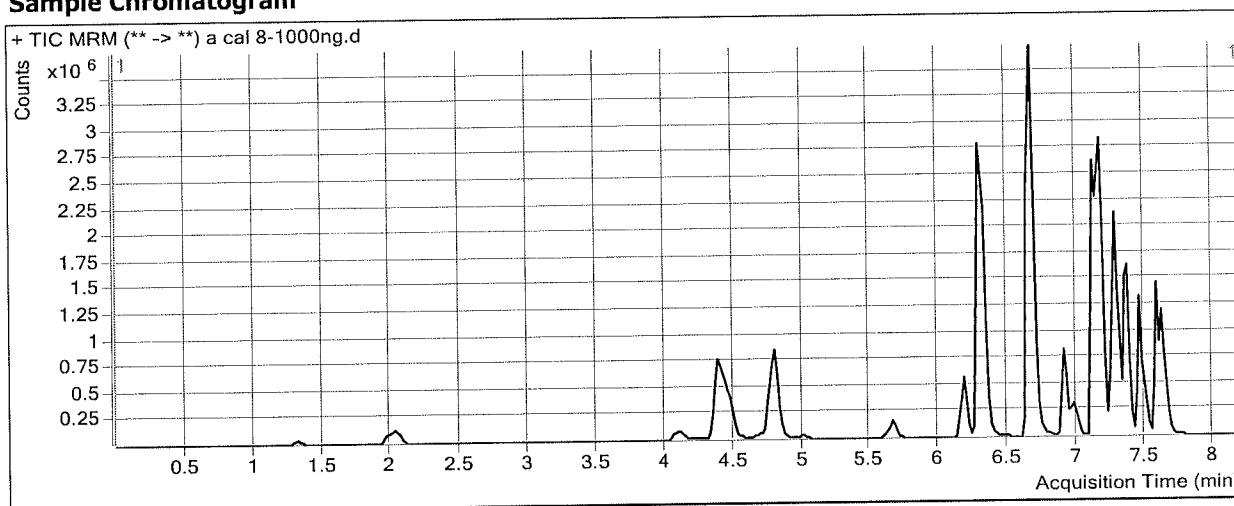
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\03202018 mdq\QuantResults\mdq p1a.batch.bin
Analysis Time 3/22/2018 7:53 AM **Analyst Name** ISP Tox
Report Time 3/22/2018 7:58 AM **Reporter Name** ISP Tox
Last Calib Update 3/22/2018 7:53 AM **Batch State** Processed

Analysis Info

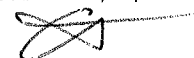
Acq Time 2018-03-20 17:53 **Data File** a cal 8-1000ng.d
Sample Type Calibration **Sample Name** a cal 8-1000ng
Dilution 1 **Acq Method** Quant Panel 1a 10-17.m
Position P1-H1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.328	86946	681	127.6338	1033.9510
Hydromorphone	Hydromorphone-D6	2.029	455277	14399	31.6197	997.0887
Codeine	Codeine-D6	4.115	210008	8047	26.0980	1006.8635
Amphetamine	Amphetamine-D11	4.403	2136062	32485	65.7561	827.5256
Oxycodone	Oxycodone-D6	4.469	1216531	49305	24.6735	963.8844
Hydrocodone	Hydrocodone-D6	4.774	681772	41467	16.4412	949.0748
Norhydrocodone	Norhydrocodone-D3	4.799	43522	11647	3.7369	996.2380
Methamphetamine	Methamphetamine-D11	4.802	1988292	90975	21.8553	854.2966
6-MAM	6-MAM-D6	5.008	39659	15102	2.6260	99.8950
Phentermine	Phentermine-D5	5.666	567811	102676	5.5301	883.8321
Dextropropion	Dextropropion-D3	6.183	695845	53259	13.0653	1017.1166
7-aminoclonazepam	7-Aminoclonazepam-D4	6.312	808614	38347	21.0865	958.0543
Tramadol	Tramadol-13C-D3	6.302	7419379	398235	18.6307	973.3025
Doxylamine	Doxylamine-D5	6.662	7100572	355959	19.9477	996.8193
Bupropion	Bupropion-D9	6.910	1708466	81542	20.9521	951.7506
Meprobamate	Meprobamate-D7	6.992	413023	24384	16.9380	1036.4127
Zolpidem	Zolpidem-D6	7.163	5179055	254013	20.3889	984.5529
Venlafaxine	Venlafaxine-D6	7.125	5882486	264205	22.2648	981.5902
Trazodone	Trazodone-D6	7.356	2822783	116191	24.2944	1010.4287
Citalopram	Citalopram-D6	7.257	1874246	82856	22.6204	1000.1244
Dextromethorphan	Dextromethorphan-D3	7.268	386577	17757	21.7709	1017.9827
Diphenhydramine	Diphenhydramine-D3	7.291	3051342	150243	20.3093	1021.0152
Promethazine	Promethazine-D3	7.466	2371318	129058	18.3741	1048.7989



ISP FORENSICS - Cd'A Instrument # 62340
Multi-Drug Confirmatory Analysis Report

plac cal 8

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.502	308077	5022	61.3468	944.8645
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.560	149393	5607	26.6429	1077.0218
Carisoprodol	Carisoprodol-D7	7.592	1393401	83386	16.7102	907.7055
Lorazepam	Alprazolam-D5	7.602	157832	46919	3.3639	1053.9077
Alprazolam	Alprazolam-D5	7.626	1283231	46919	27.3497	1007.8198



ISP FORENSICS - Cd'A Instrument # 62340

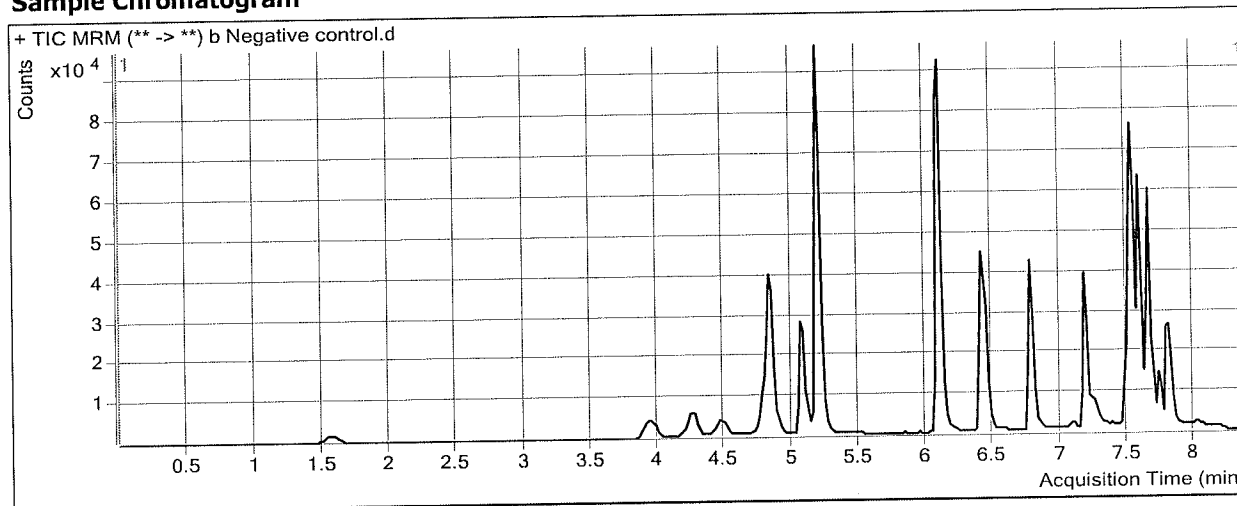
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\03202018 mdq\QuantResults\mdq p1b.batch.bin
Analysis Time 3/21/2018 1:33 PM Analyst Name ISP Tox
Report Time 3/22/2018 7:55 AM Reporter Name ISP Tox
Last Calib Update 3/21/2018 1:33 PM Batch State Processed

Analysis Info

Acq Time 2018-03-20 18:44 Data File b Negative control.d
Sample Type Sample Sample Name b Negative control
Dilution 1 Acq Method Quant Panel 1b 10-2017.m
Position P1-E2 Sample Info
Inj Vol -1 Comment AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.584	3091	109905	0.0281	1.3369 < 25

ISP FORENSICS - Cd'A Instrument # 62340

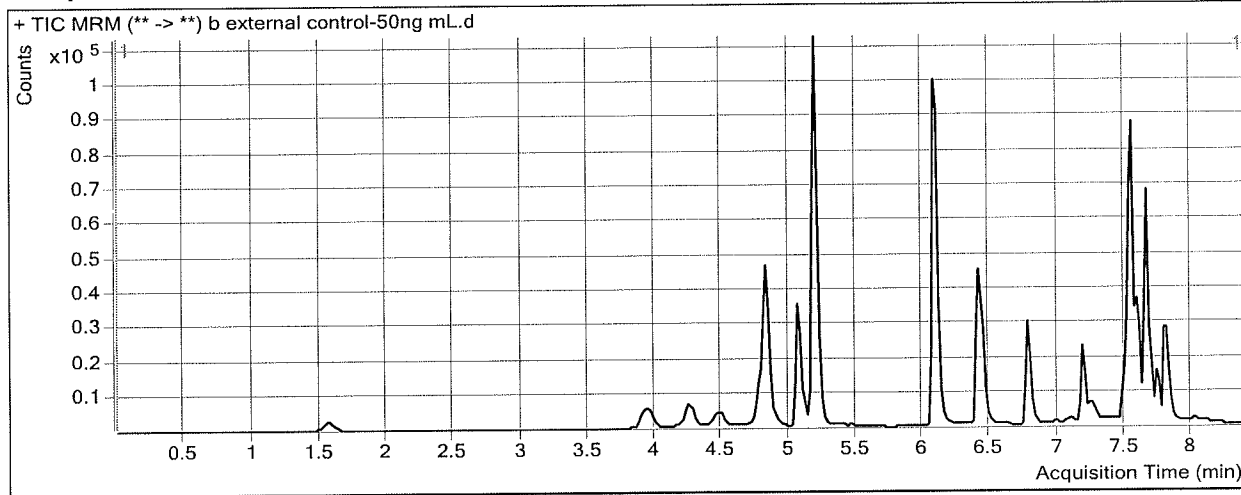
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\03202018 mdq\QuantResults\mdq p1b.batch.bin
Analysis Time 3/21/2018 1:33 PM **Analyst Name** ISP Tox
Report Time 3/22/2018 7:55 AM **Reporter Name** ISP Tox
Last Calib Update 3/21/2018 1:33 PM **Batch State** Processed

Analysis Info

Acq Time 2018-03-20 19:09 **Data File** b external control-50ng mL.d
Sample Type Sample **Sample Name** b external control-50ng mL
Dilution 1 **Acq Method** Quant Panel 1b 10-2017.m
Position P1-F2 **Sample Info**
Inj Vol -1 **Comment** AM 28: external control p1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.199	3448	352201	0.0098	0.0000
Methadone	Methadone-D9	7.543	61762	66022	0.9355	54.5744
Sertraline	Sertraline-D3	7.645	14398	12371	1.1638	52.4896

ISP FORENSICS - Cd'A Instrument # 62340

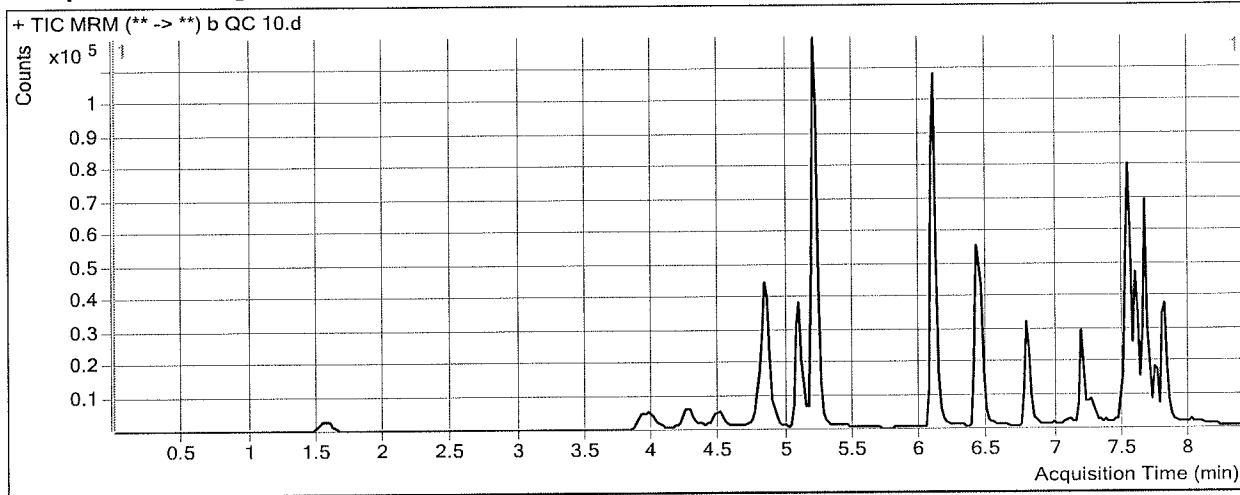
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\03202018 mdq\QuantResults\mdq p1b.batch.bin
Analysis Time 3/21/2018 1:33 PM **Analyst Name** ISP Tox
Report Time 3/22/2018 7:55 AM **Reporter Name** ISP Tox
Last Calib Update 3/21/2018 1:33 PM **Batch State** Processed

Analysis Info

Acq Time 2018-03-20 19:34 **Data File** b QC 10.d
Sample Type QC **Sample Name** b QC 10
Dilution 1 **Acq Method** Quant Panel 1b 10-2017.m
Position P1-A2 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.588	3521	14172	0.2484	10.1623
Dihydrocodeine	Dihydrocodeine-D6	4.015	7203	33532	0.2148	10.2211
Naloxone	Naloxone-D5	4.350	3996	29611	0.1349	11.4474
Noroxycodone	Noroxycodone-D3	4.517	4019	17183	0.2339	9.2358
Naltrexone	Naltrexone-D3	4.810	9369	40649	0.2305	10.2963
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.904	3238	151277	0.0214	0.9024
Naltrexol	Naltrexol-D3	5.089	24556	91583	0.2681	9.2021
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.219	73885	317625	0.2326	10.0918
Ketamine	Ketamine-D4	6.095	24226	94314	0.2569	10.1119
Norfentanyl	Norfentanyl-D5	6.100	3924	202812	0.0193	0.7454
alpha-PVP	alpha-PVP-d8	6.427	30571	132349	0.2310	9.7887
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.800	1844	93180	0.0198	0.9753
Fentanyl	Fentanyl-D5	7.199	1404	69233	0.0203	-1.1692 *
EDDP	EDDP-D3	7.269	3361	13035	0.2578	12.8164
Sufentanil	Sufentanil-D5	7.518	1286	40810	0.0315	1.4447
Quetiapine	Quetiapine-D8	7.519	33795	42275	0.7994	10.8466
Cyclobenzaprine	Cyclobenzaprine-D3	7.512	5813	24089	0.2413	9.5550
Fluoxetine	Fluoxetine-D6	7.584	15941	68760	0.2318	10.4181
Methadone	Methadone-D9	7.543	13390	72128	0.1856	10.5375
Oxazepam	Oxazepam-D5	7.609	4963	22331	0.2223	10.8505 *
Sertraline	Sertraline-D3	7.645	3931	16649	0.2361	11.2134
Temazepam	Temazepam-D5	7.667	20606	101688	0.2026	9.6112
Nordiazepam	Nordiazepam-D5	7.755	9324	28342	0.3290	9.9935

ISP FORENSICS - Cd'A Instrument # 62340
Multi-Drug Confirmatory Analysis Report

p16 Qc10

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Buprenorphine	Buprenorphine-D4	7.897	384	18869	0.0204	1.3296 *
Diazepam	Diazepam-D5	7.810	13759	62448	0.2203	8.2509

ISP FORENSICS - Cd'A Instrument # 62340

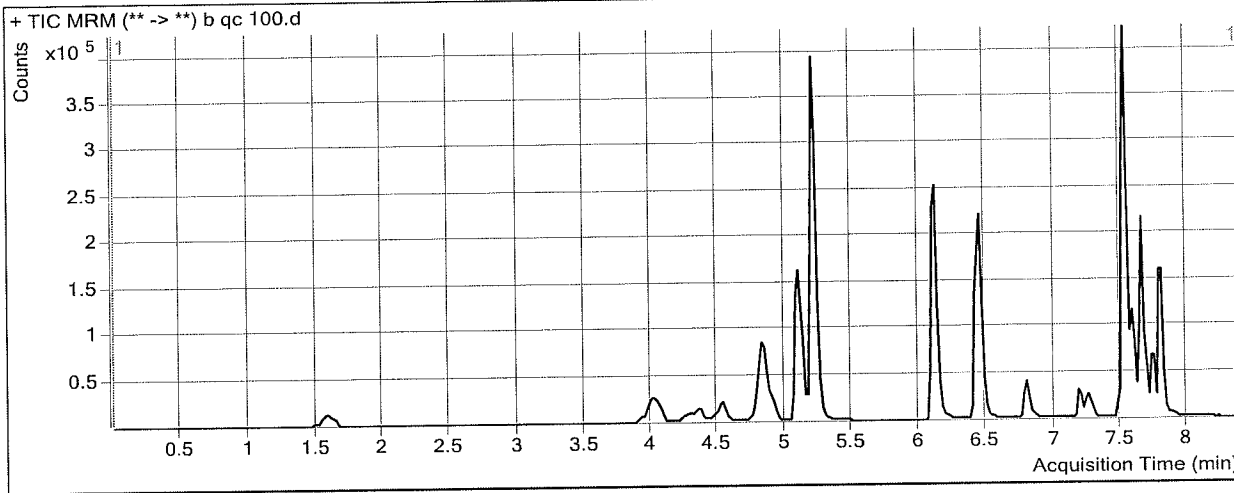
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\03202018 mdq\QuantResults\mdq p1b.batch.bin		
Analysis Time	3/21/2018 1:33 PM	Analyst Name	ISP Tox
Report Time	3/22/2018 7:55 AM	Reporter Name	ISP Tox
Last Calib Update	3/21/2018 1:33 PM	Batch State	Processed

Analysis Info

Acq Time	2018-03-20 22:57	Data File	b qc 100.d
Sample Type	QC	Sample Name	b qc 100
Dilution	1	Acq Method	Quant Panel 1b 10-2017.m
Position	P1-B2	Sample Info	
Inj Vol	-1	Comment	AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.608	43589	17618	2.4742	104.3580
Dihydrocodeine	Dihydrocodeine-D6	4.035	87399	42913	2.0367	103.5295
Naloxone	Naloxone-D5	4.350	48028	37100	1.2945	114.2431
Noroxycodone	Noroxycodone-D3	4.537	50345	20900	2.4089	102.4897
Naltrexone	Naltrexone-D3	4.830	109367	46795	2.3371	101.8279
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.924	43356	186698	0.2322	9.3009
Naltrexol	Naltrexol-D3	5.110	319894	116341	2.7496	107.4730
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.219	870665	396012	2.1986	101.5629
Ketamine	Ketamine-D4	6.116	317010	123385	2.5693	100.6687
Norfentanyl	Norfentanyl-D5	6.120	49582	256453	0.1933	9.9935
alpha-PVP	alpha-PVP-d8	6.447	383891	159592	2.4055	102.0887
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.800	19934	97528	0.2044	9.8928
Norbuprenorphine	Norbuprenorphine-D3	7.093	550	2872	0.1914	8.6959
Fentanyl	Fentanyl-D5	7.199	14293	64914	0.2202	9.4453
EDDP	EDDP-D3	7.269	35936	16139	2.2267	98.4652
Sufentanil	Sufentanil-D5	7.518	7924	37937	0.2089	9.3622
Quetiapine	Quetiapine-D8	7.519	456926	56267	8.1207	107.6182
Cyclobenzaprine	Cyclobenzaprine-D3	7.512	56067	22208	2.5246	101.6822
Fluoxetine	Fluoxetine-D6	7.584	130953	64036	2.0450	91.2449
Methadone	Methadone-D9	7.543	150916	79152	1.9067	111.6098
Oxazepam	Oxazepam-D5	7.609	43663	17666	2.4716	109.1215
Sertraline	Sertraline-D3	7.645	32978	14671	2.2478	100.7193
Temazepam	Temazepam-D5	7.667	221545	117456	1.8862	87.8965

ISP FORENSICS - Cd'A Instrument # 62340
Multi-Drug Confirmatory Analysis Report

PIB QC 100

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Nordiazepam	Nordiazepam-D5	7.755	96655	27514	3.5129	108.5244
Buprenorphine	Buprenorphine-D4	7.877	4180	19665	0.2126	8.5690
Diazepam	Diazepam-D5	7.810	212061	78510	2.7011	104.0423



ISP FORENSICS - Cd'A Instrument # 62340

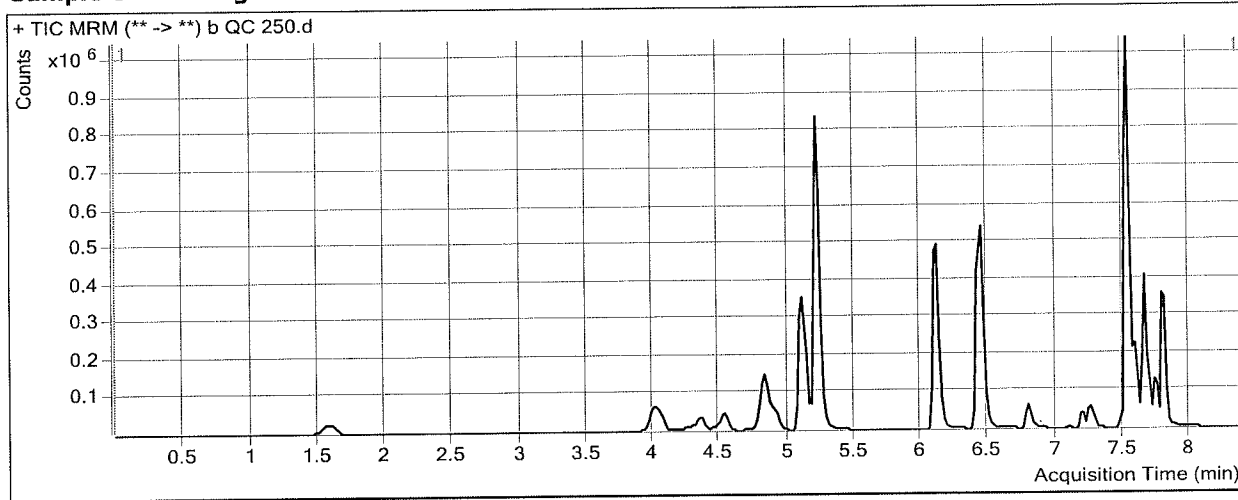
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\03202018 mdq\QuantResults\mdq p1b.batch.bin
Analysis Time 3/21/2018 1:33 PM **Analyst Name** ISP Tox
Report Time 3/22/2018 7:55 AM **Reporter Name** ISP Tox
Last Calib Update 3/21/2018 1:33 PM **Batch State** Processed

Analysis Info

Acq Time 2018-03-20 23:22 **Data File** b QC 250.d
Sample Type QC **Sample Name** b QC 250
Dilution 1 **Acq Method** Quant Panel 1b 10-2017.m
Position P1-C2 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.608	116370	18325	6.3503	268.3997
Dihydrocodeine	Dihydrocodeine-D6	4.035	235883	45468	5.1879	264.9260
Naloxone	Naloxone-D5	4.350	128287	39690	3.2322	286.0162
Noroxycodone	Noroxycodone-D3	4.537	136194	21941	6.2074	265.3574
Naltrexone	Naltrexone-D3	4.830	262641	45710	5.7458	249.9317
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.924	118100	193026	0.6118	24.4234
Naltrexol	Naltrexol-D3	5.110	810103	118967	6.8095	268.2485
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.219	2319023	416184	5.5721	258.5241
Ketamine	Ketamine-D4	6.116	849110	134263	6.3242	247.7157
Norfentanyl	Norfentanyl-D5	6.120	138233	268465	0.5149	27.0855
alpha-PVP	alpha-PVP-d8	6.447	1133314	187840	6.0334	256.0849
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.800	57712	112707	0.5121	24.7556
Norbuprenorphine	Norbuprenorphine-D3	7.093	1540	2757	0.5587	27.4165
Fentanyl	Fentanyl-D5	7.199	36528	63125	0.5787	24.2864
EDDP	EDDP-D3	7.269	116036	19826	5.8529	256.2078
Sufentanil	Sufentanil-D5	7.518	22493	38940	0.5776	25.8235
Quetiapine	Quetiapine-D8	7.519	1258353	64885	19.3937	256.6224
Cyclobenzaprine	Cyclobenzaprine-D3	7.512	140466	20044	7.0080	282.5768
Fluoxetine	Fluoxetine-D6	7.584	314505	55709	5.6455	251.7510
Methadone	Methadone-D9	7.543	397094	87846	4.5203	265.1061
Oxazepam	Oxazepam-D5	7.609	84716	15548	5.4488	239.1966
Sertraline	Sertraline-D3	7.645	69996	11661	6.0027	267.7863
Temazepam	Temazepam-D5	7.667	556250	110775	5.0214	233.6851

ISP FORENSICS - Cd'A Instrument # 62340
Multi-Drug Confirmatory Analysis Report

P16 Qc 250

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Nordiazepam	Nordiazepam-D5	7.735	199953	23535	8.4960	262.7354
Buprenorphine	Buprenorphine-D4	7.877	12231	19967	0.6126	23.6372
Diazepam	Diazepam-D5	7.810	538952	74777	7.2075	278.0548



ISP FORENSICS - Cd'A Instrument # 62340

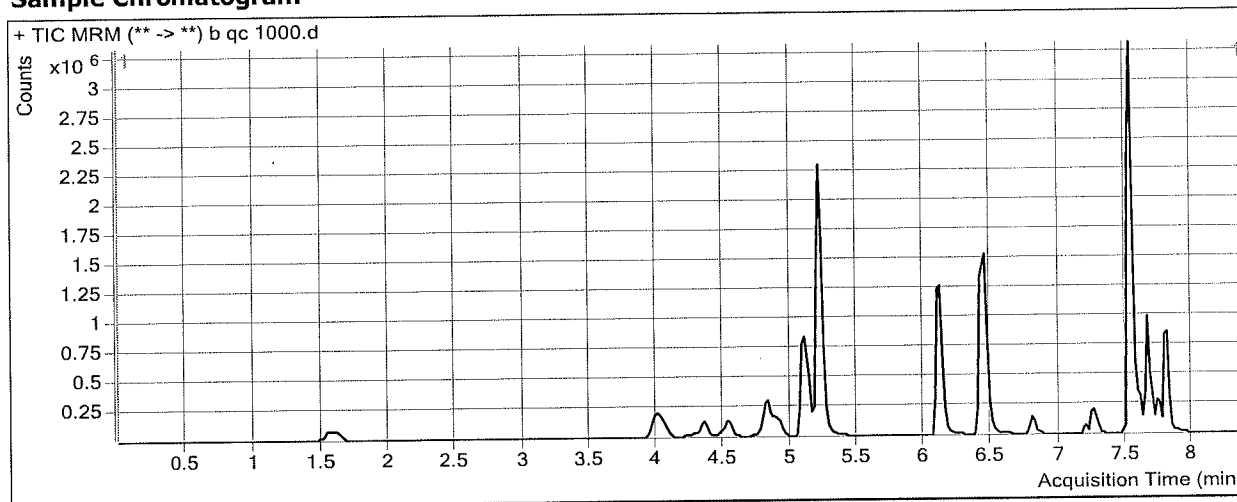
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\03202018 mdq\QuantResults\mdq p1b.batch.bin
Analysis Time 3/21/2018 1:33 PM **Analyst Name** ISP Tox
Report Time 3/22/2018 7:55 AM **Reporter Name** ISP Tox
Last Calib Update 3/21/2018 1:33 PM **Batch State** Processed

Analysis Info

Acq Time 2018-03-20 23:48 **Data File** b qc 1000.d
Sample Type QC **Sample Name** b qc 1000
Dilution 1 **Acq Method** Quant Panel 1b 10-2017.m
Position P1-D2 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.608	406920	16970	23.9793	1014.4784
Dihydrocodeine	Dihydrocodeine-D6	4.015	768579	42776	17.9675	919.4503
Naloxone	Naloxone-D5	4.350	427932	35155	12.1728	1078.5766
Noroxycodone	Noroxycodone-D3	4.537	413963	16761	24.6976	1058.1599
Naltrexone	Naltrexone-D3	4.810	689670	30478	22.6281	983.4449
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.904	425433	165499	2.5706	102.4550
Naltrexol	Naltrexol-D3	5.110	2254030	95619	23.5729	932.1035
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.219	7352390	354365	20.7481	964.6198
Ketamine	Ketamine-D4	6.095	2725369	118984	22.9054	897.0525
Norfentanyl	Norfentanyl-D5	6.120	430849	222351	1.9377	102.7105
alpha-PVP	alpha-PVP-d8	6.447	3819175	162705	23.4731	996.3468
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.800	211608	106005	1.9962	96.4520
Norbuprenorphine	Norbuprenorphine-D3	7.093	3552	1971	1.8018	90.7655
Fentanyl	Fentanyl-D5	7.199	97992	40142	2.4412	101.3948
EDDP	EDDP-D3	7.269	446108	19609	22.7497	991.2449
Sufentanil	Sufentanil-D5	7.518	56419	25262	2.2334	99.7376
Quetiapine	Quetiapine-D8	7.519	4578922	62886	72.8131	962.7118
Cyclobenzaprine	Cyclobenzaprine-D3	7.512	270813	10556	25.6550	1034.9450
Fluoxetine	Fluoxetine-D6	7.584	427048	19623	21.7629	970.2347
Methadone	Methadone-D9	7.543	1233725	70031	17.6167	1034.2319
Oxazepam	Oxazepam-D5	7.609	258053	5619	45.9291	2007.7582 *
Sertraline	Sertraline-D3	7.645	95971	4269	22.4815	1000.9843
Temazepam	Temazepam-D5	7.667	1482134	76421	19.3944	902.0254

PIb QC1000

ISP FORENSICS - Cd'A Instrument # 62340
Multi-Drug Confirmatory Analysis Report

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Nordiazepam	Nordiazepam-D5	7.735	462318	13247	34.8986	1079.8090
Buprenorphine	Buprenorphine-D4	7.877	35664	11928	2.9899	113.1805
Diazepam	Diazepam-D5	7.810	1464365	53694	27.2722	1052.8364



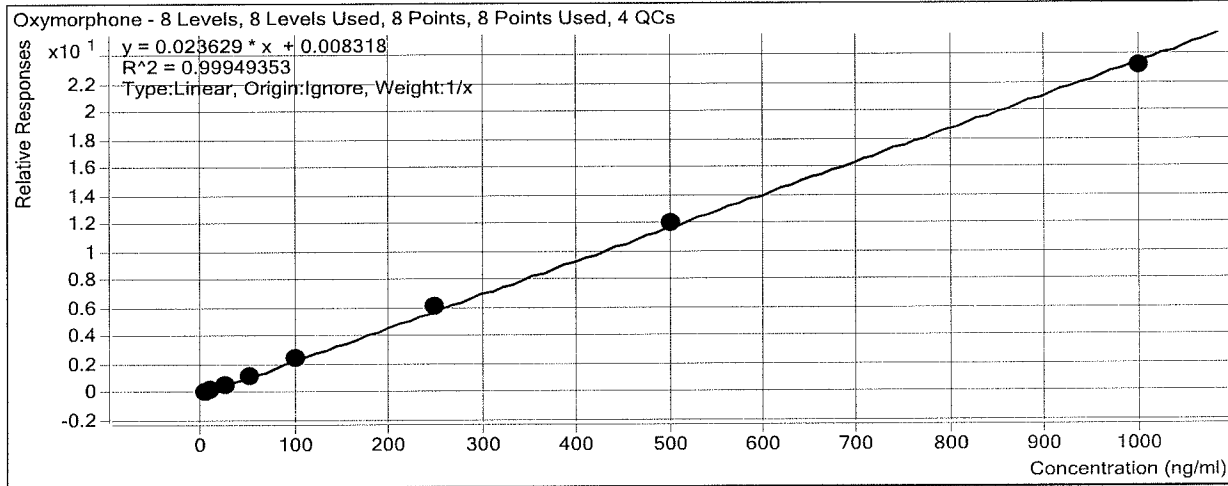
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\03202018 mdq\QuantResults\mdq p1b.batch.bin
3/21/2018 1:33 PM

Analyst Name ISP TOX

Target Compound Oxymorphone
Internal Standard Oxymorphone-D3



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.9	97.9
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	98.1
b QC 10	2	<input checked="" type="checkbox"/>	10	10.2	101.6
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.4	97.4
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.4	102.8
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.6	100.6
b qc 100	5	<input checked="" type="checkbox"/>	100	104.4	104.4
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	257.6	103.0
b QC 250	6	<input checked="" type="checkbox"/>	250	268.4	107.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	510.7	102.1
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	980.7	98.1
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1014.5	101.4

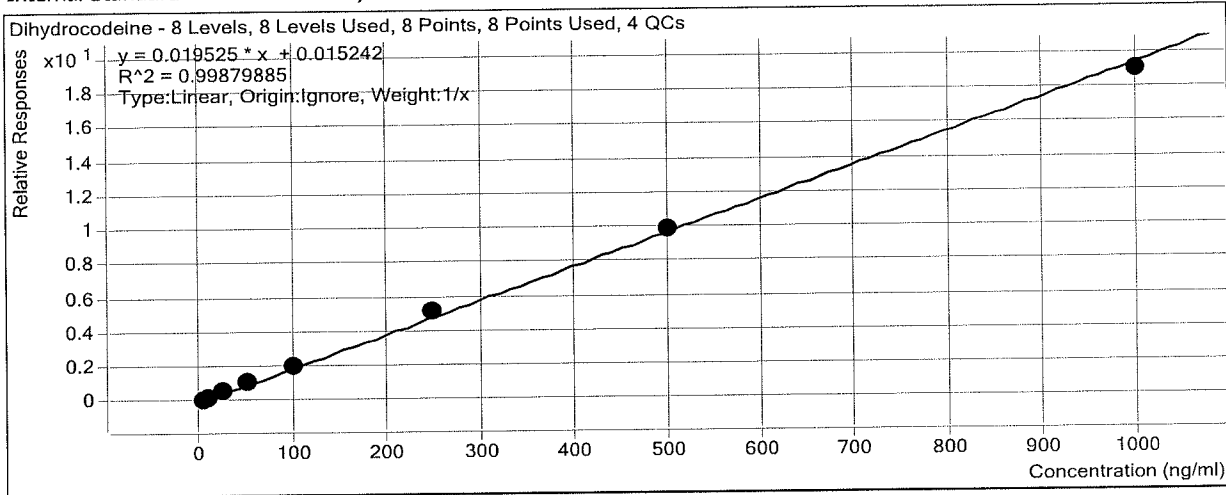
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\03202018 mdq\QuantResults\mdq p1b.batch.bin
3/21/2018 1:33 PM

Analyst Name ISP TOX

Target Compound Dihydrocodeine
Internal Standard Dihydrocodeine-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.6	91.2
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.3	92.6
b QC 10	2	<input checked="" type="checkbox"/>	10	10.2	102.2
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.4	101.4
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.7	105.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	105.2	105.2
b qc 100	5	<input checked="" type="checkbox"/>	100	103.5	103.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	263.7	105.5
b QC 250	6	<input checked="" type="checkbox"/>	250	264.9	106.0
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	506.7	101.3
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	972.4	97.2
b qc 1000	8	<input checked="" type="checkbox"/>	1000	919.5	91.9

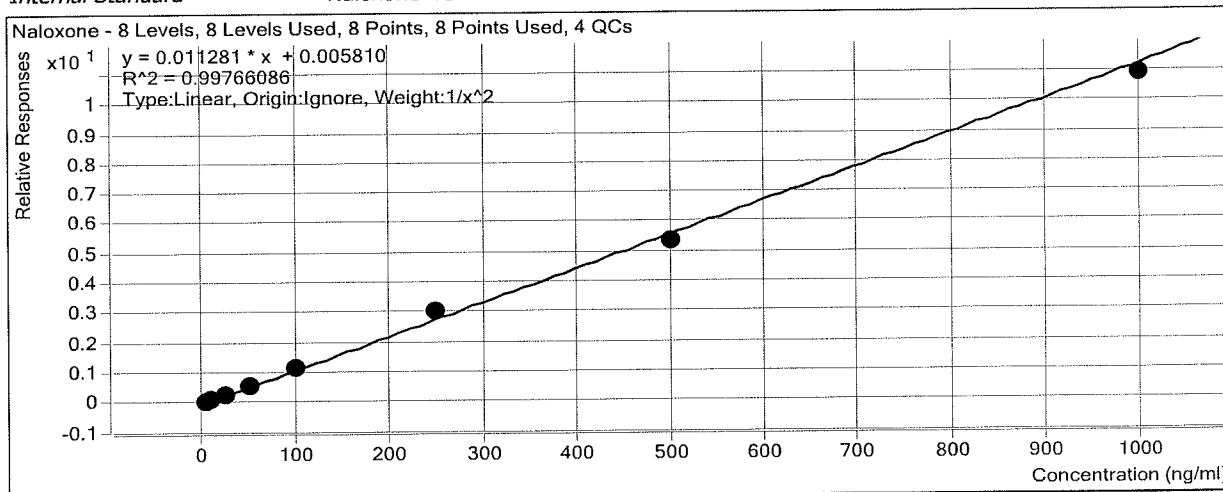
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\03202018 mdq\QuantResults\mdq p1b.batch.bin
3/21/2018 1:33 PM

Analyst Name ISP TOX

Target Compound *Naloxone*
Internal Standard *Naloxone-D5*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.9	98.4
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.4	103.7
b QC 10	2	<input checked="" type="checkbox"/>	10	11.4	114.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.7	98.8
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.8	97.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	104.1	104.1
b qc 100	5	<input checked="" type="checkbox"/>	100	114.2	114.2
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	266.1	106.4
b QC 250	6	<input checked="" type="checkbox"/>	250	286.0	114.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	473.2	94.6
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	964.4	96.4
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1078.6	107.9

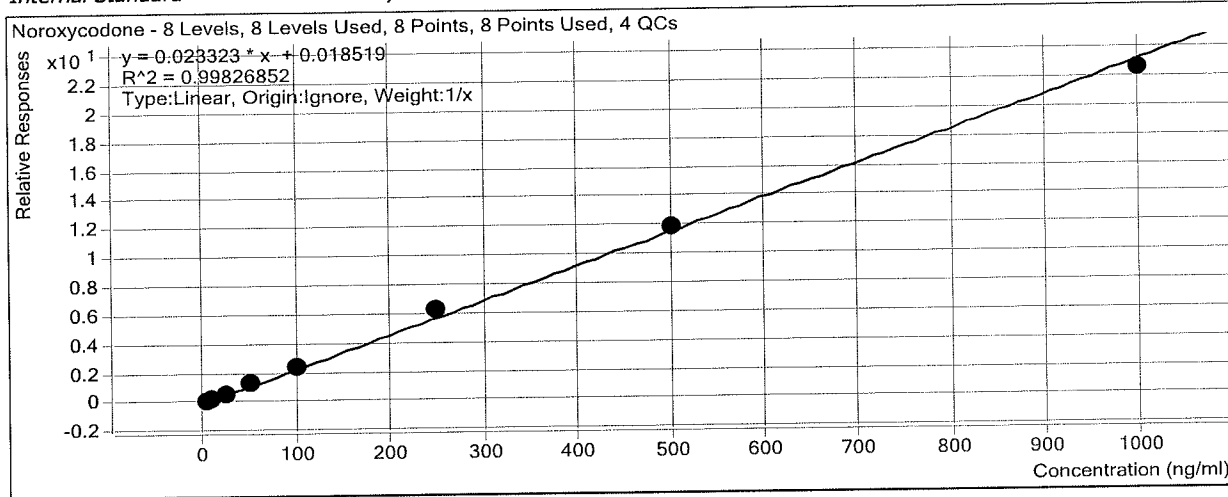
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\03202018 mdq\QuantResults\mdq p1b.batch.bin
3/21/2018 1:33 PM

Analyst Name ISP TOX

Target Compound *Noroxycodone*
Internal Standard *Noroxycodone-D3*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.8	96.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.2	92.3
b QC 10	2	<input checked="" type="checkbox"/>	10	9.2	92.4
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.0	96.1
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	53.9	107.8
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.5	101.5
b qc 100	5	<input checked="" type="checkbox"/>	100	102.5	102.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	267.9	107.2
b QC 250	6	<input checked="" type="checkbox"/>	250	265.4	106.1
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	511.5	102.3
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	967.0	96.7
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1058.2	105.8

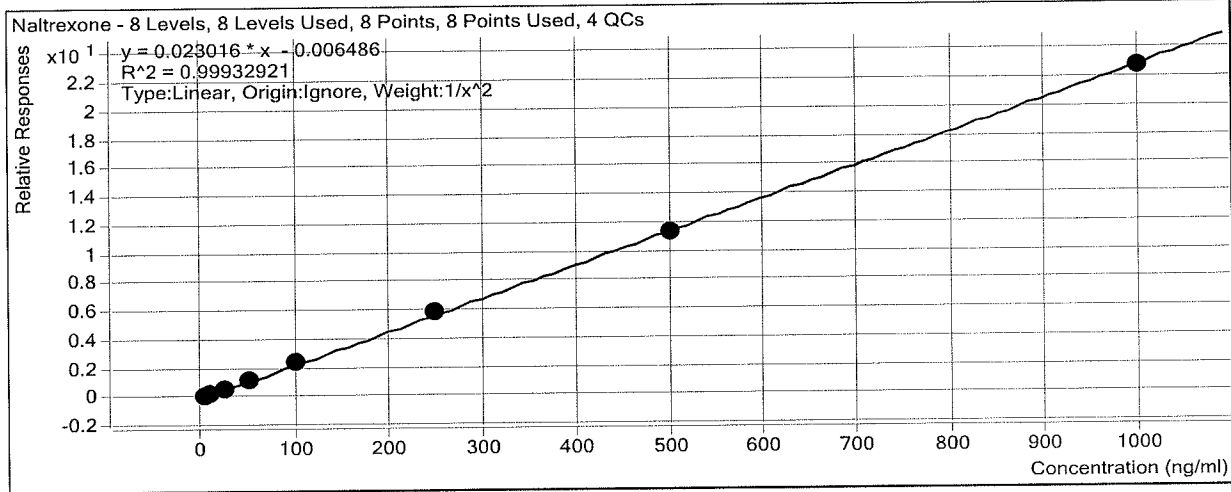
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\03202018 mdq\QuantResults\mdq p1b.batch.bin
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Analyst Name ISP TOX

Target Compound *Naltrexone*
Internal Standard *Naltrexone-D3*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.4
b QC 10	2	<input checked="" type="checkbox"/>	10	10.3	103.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.5	97.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.5	101.0
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.4	101.4
b qc 100	5	<input checked="" type="checkbox"/>	100	101.8	101.8
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	257.7	103.1
b QC 250	6	<input checked="" type="checkbox"/>	250	249.9	100.0
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	496.5	99.3
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	988.9	98.9
b qc 1000	8	<input checked="" type="checkbox"/>	1000	983.4	98.3

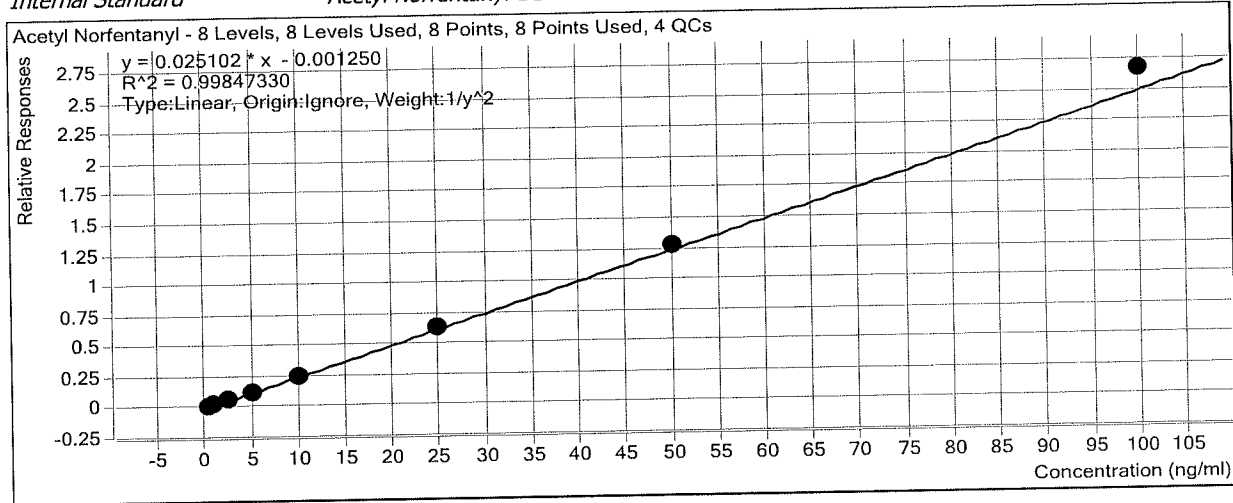
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\03202018 mdq\QuantResults\mdq p1b.batch.bin
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Analyst Name ISP TOX

Target Compound Acetyl Norfentanyl
Internal Standard Acetyl Norfentanyl-D5



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	0.5	0.5	101.3
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.0	99.3
b QC 10	2	<input checked="" type="checkbox"/>	1	0.9	90.2
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.4	96.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.8	95.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.9	99.0
b qc 100	5	<input checked="" type="checkbox"/>	10	9.3	93.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	25.2	100.6
b QC 250	6	<input checked="" type="checkbox"/>	25	24.4	97.7
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	51.2	102.4
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	106.6	106.6
b qc 1000	8	<input checked="" type="checkbox"/>	100	102.5	102.5

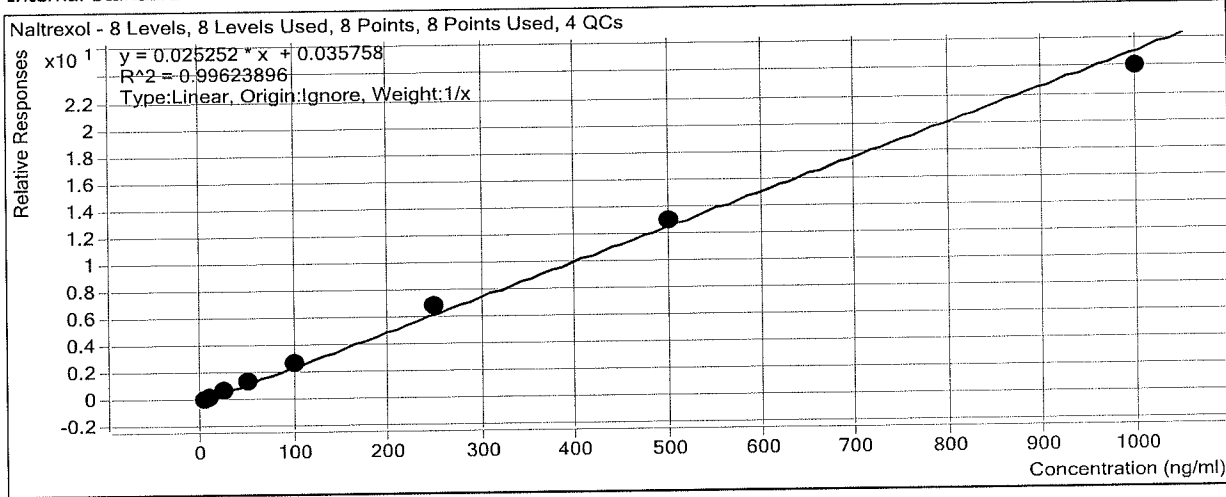
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

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Analyst Name ISP TOX

Target Compound *Naltrexol*
Internal Standard *Naltrexol-D3*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.0	80.7
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	8.9	89.4
b QC 10	2	<input checked="" type="checkbox"/>	10	9.2	92.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.1	104.5
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	54.7	109.4
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	108.9	108.9
b qc 100	5	<input checked="" type="checkbox"/>	100	107.5	107.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	273.0	109.2
b QC 250	6	<input checked="" type="checkbox"/>	250	268.2	107.3
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	514.7	102.9
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	949.6	95.0
b qc 1000	8	<input checked="" type="checkbox"/>	1000	932.1	93.2

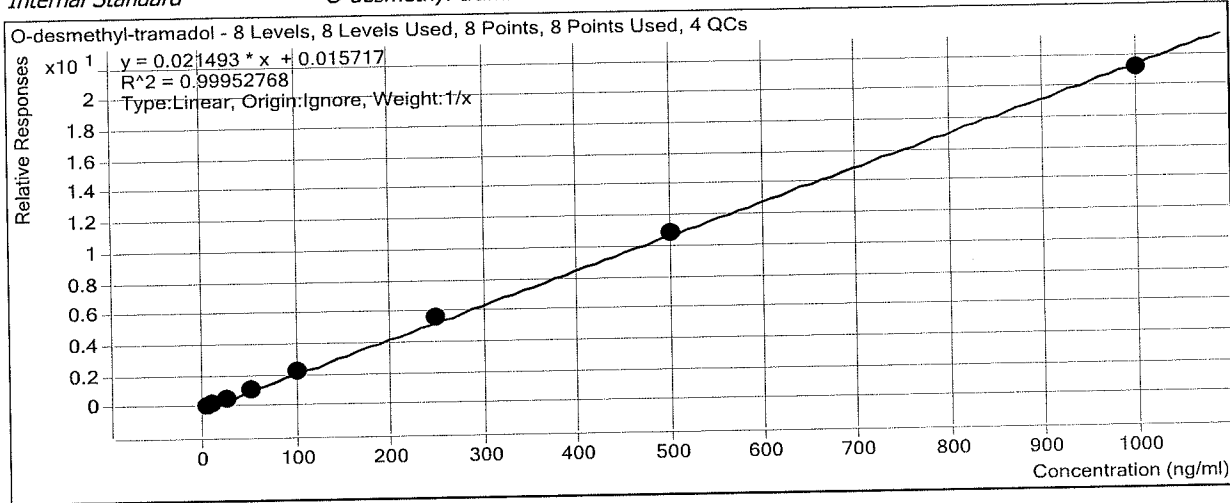
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

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Analyst Name ISP TOX

Target Compound *O-desmethyl-tramadol*
Internal Standard *O-desmethyl-tramadol-D6*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.8	96.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.2	92.4
b QC 10	2	<input checked="" type="checkbox"/>	10	10.1	100.9
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.3	101.2
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.2	104.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.9	103.9
b qc 100	5	<input checked="" type="checkbox"/>	100	101.6	101.6
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	257.5	103.0
b QC 250	6	<input checked="" type="checkbox"/>	250	258.5	103.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	503.5	100.7
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	983.6	98.4
b qc 1000	8	<input checked="" type="checkbox"/>	1000	964.6	96.5

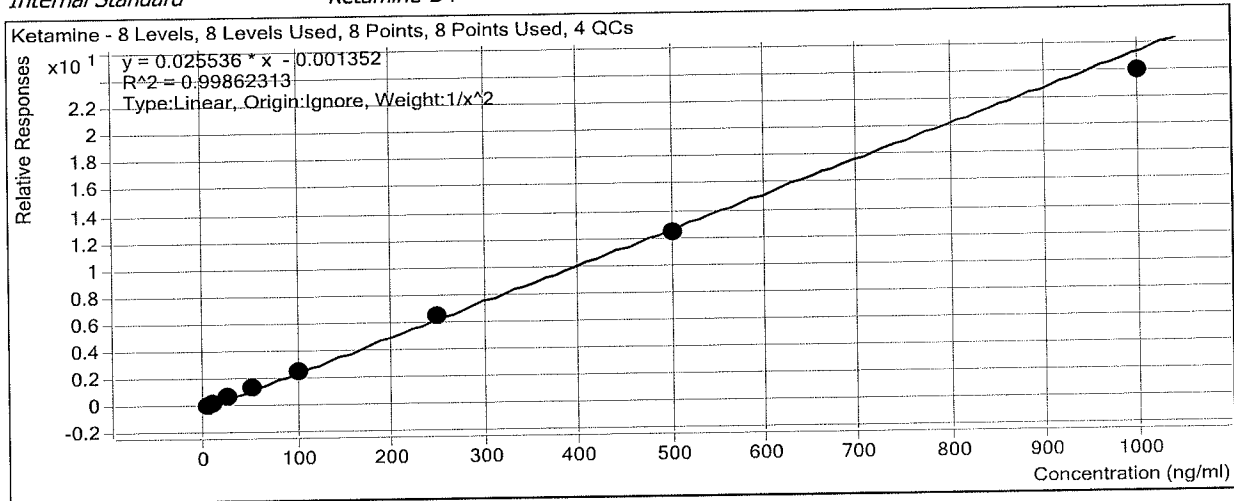
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\03202018 mdq\QuantResults\mdq p1b.batch.bin
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Analyst Name ISP TOX

Target Compound *Ketamine*
Internal Standard *Ketamine-D4*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	99.5
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	99.3
b QC 10	2	<input checked="" type="checkbox"/>	10	10.1	101.1
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.5	102.2
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.7	103.4
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.0	102.0
b qc 100	5	<input checked="" type="checkbox"/>	100	100.7	100.7
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	256.2	102.5
b QC 250	6	<input checked="" type="checkbox"/>	250	247.7	99.1
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	487.1	97.4
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	937.5	93.7
b qc 1000	8	<input checked="" type="checkbox"/>	1000	897.1	89.7

ISP Forensics Calibration Curve Report

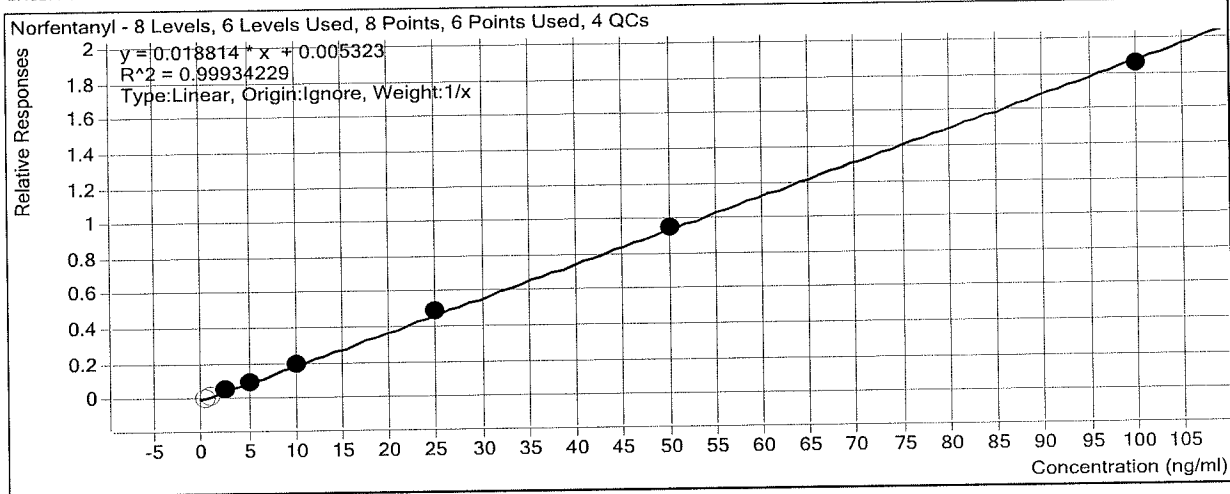
Batch Data Path
Last Calib Update

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Analyst Name

ISP TOX

Target Compound *Norfentanyl*
Internal Standard *Norfentanyl-D5*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	0.5	0.2	42.5
b cal 2-10ng	2	<input type="checkbox"/>	1	0.7	72.0
b QC 10	2	<input type="checkbox"/>	1	0.7	74.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.3	93.6
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	5.0	100.4
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	10.2	102.4
b qc 100	5	<input checked="" type="checkbox"/>	10	10.0	99.9
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	26.0	104.2
b QC 250	6	<input checked="" type="checkbox"/>	25	27.1	108.3
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	50.6	101.2
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	98.3	98.3
b qc 1000	8	<input checked="" type="checkbox"/>	100	102.7	102.7

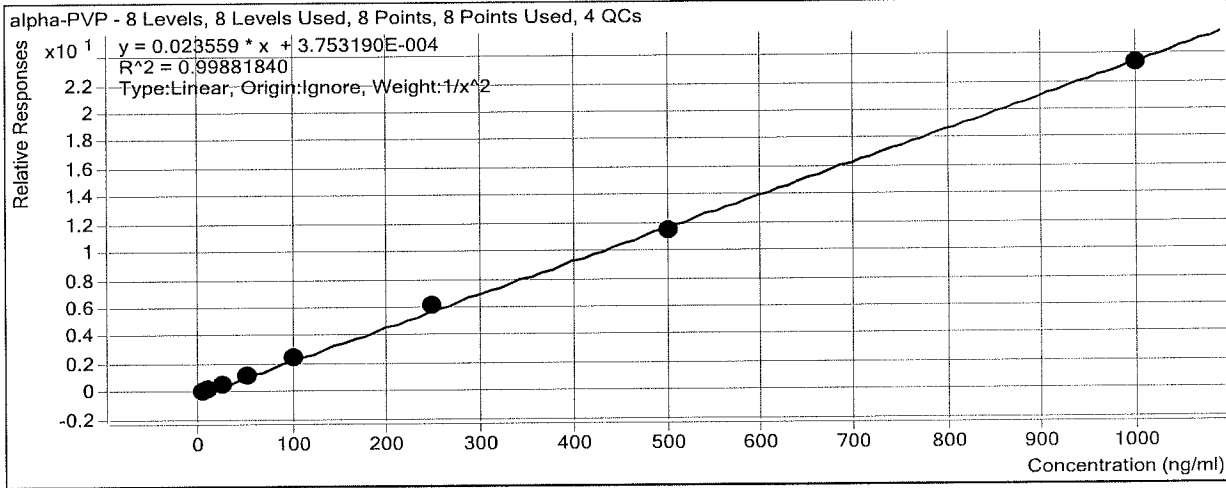
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

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Analyst Name ISP TOX

Target Compound *alpha-PVP*
Internal Standard *alpha-PVP-d8*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.2
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	95.3
b QC 10	2	<input checked="" type="checkbox"/>	10	9.8	97.9
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.7	98.8
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.6	103.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.4	101.4
b qc 100	5	<input checked="" type="checkbox"/>	100	102.1	102.1
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	258.4	103.3
b QC 250	6	<input checked="" type="checkbox"/>	250	256.1	102.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	484.2	96.8
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	989.5	99.0
b qc 1000	8	<input checked="" type="checkbox"/>	1000	996.3	99.6

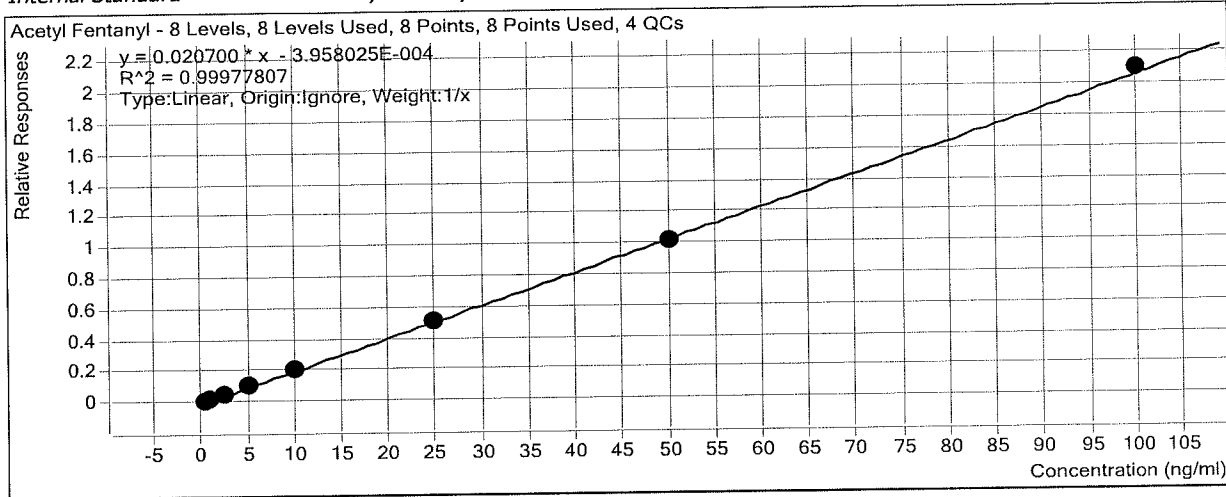
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\03202018 mdq\QuantResults\mdq p1b.batch.bin
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Analyst Name ISP TOX

Target Compound *Acetyl Fentanyl*
Internal Standard *Acetyl Fentanyl-D5*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	0.5	0.5	102.7
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.0	100.4
b QC 10	2	<input checked="" type="checkbox"/>	1	1.0	97.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.5	99.6
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	5.0	100.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.8	98.5
b qc 100	5	<input checked="" type="checkbox"/>	10	9.9	98.9
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	24.7	98.8
b QC 250	6	<input checked="" type="checkbox"/>	25	24.8	99.0
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	49.1	98.2
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	101.3	101.3
b qc 1000	8	<input checked="" type="checkbox"/>	100	96.5	96.5

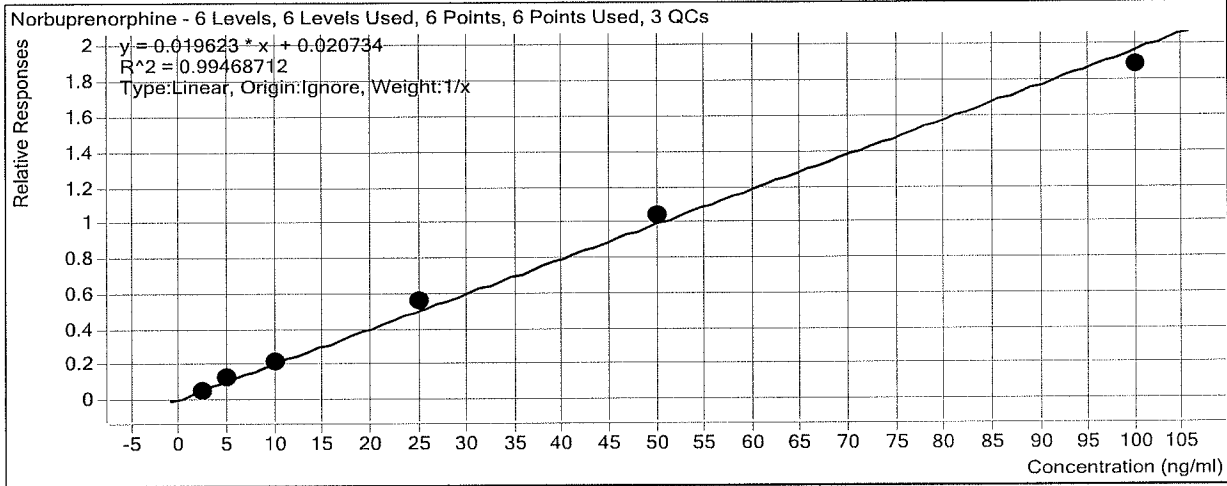
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\03202018 mdq\QuantResults\mdq p1b.batch.bin
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Analyst Name ISP TOX

Target Compound *Norbuprenorphine*
Internal Standard *Norbuprenorphine-D3*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	0.5	0.0	0.0
b cal 2-10ng	2	<input type="checkbox"/>	1	0.0	0.0
b QC 10	2	<input checked="" type="checkbox"/>	1	0.0	0.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.0	78.3
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	5.5	109.7
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	10.2	102.3
b qc 100	5	<input checked="" type="checkbox"/>	10	8.7	87.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	27.6	110.3
b QC 250	6	<input checked="" type="checkbox"/>	25	27.4	109.7
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	52.2	104.4
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	95.0	95.0
b qc 1000	8	<input checked="" type="checkbox"/>	100	90.8	90.8

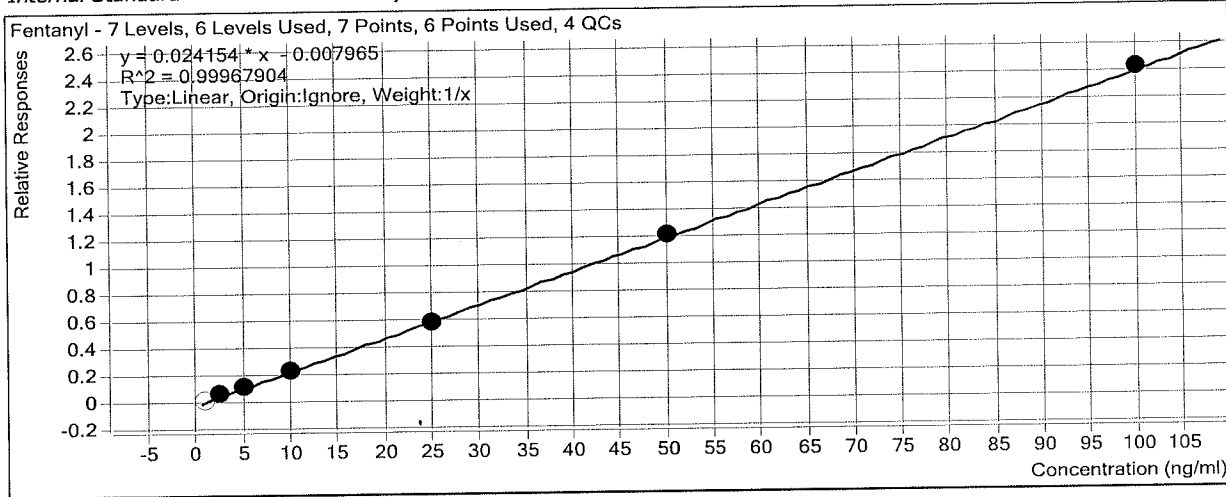
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\03202018 mdq\QuantResults\mdq p1b.batch.bin
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Analyst Name ISP TOX

Target Compound *Fentanyl*
Internal Standard *Fentanyl-D5*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	0.5	0.0	0.0
b cal 2-10ng	2	<input type="checkbox"/>	1	1.1	114.2
b QC 10	2	<input checked="" type="checkbox"/>	1	1.2	116.9
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.6	104.8
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	5.0	100.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.7	96.9
b qc 100	5	<input checked="" type="checkbox"/>	10	9.4	94.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	24.2	96.8
b QC 250	6	<input checked="" type="checkbox"/>	25	24.3	97.1
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	50.3	100.6
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	100.7	100.7
b qc 1000	8	<input checked="" type="checkbox"/>	100	101.4	101.4

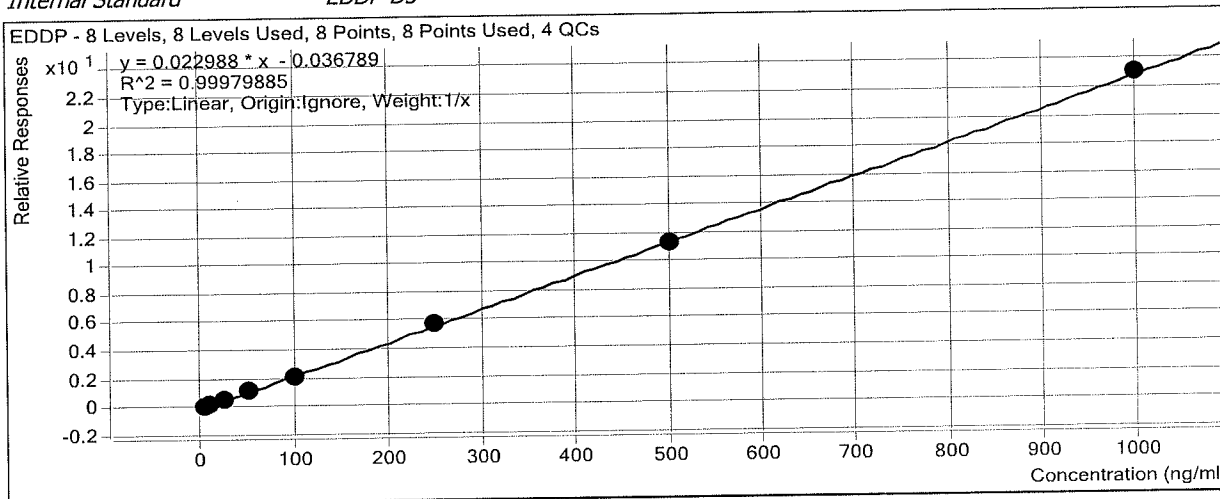
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

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Analyst Name ISP TOX

Target Compound *EDDP*
Internal Standard *EDDP-D3*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.4	108.6
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	95.2
b QC 10	2	<input checked="" type="checkbox"/>	10	12.8	128.2
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.9	99.5
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.6	99.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	96.0	96.0
b qc 100	5	<input checked="" type="checkbox"/>	100	98.5	98.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	254.6	101.8
b QC 250	6	<input checked="" type="checkbox"/>	250	256.2	102.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	496.1	99.2
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1003.9	100.4
b qc 1000	8	<input checked="" type="checkbox"/>	1000	991.2	99.1

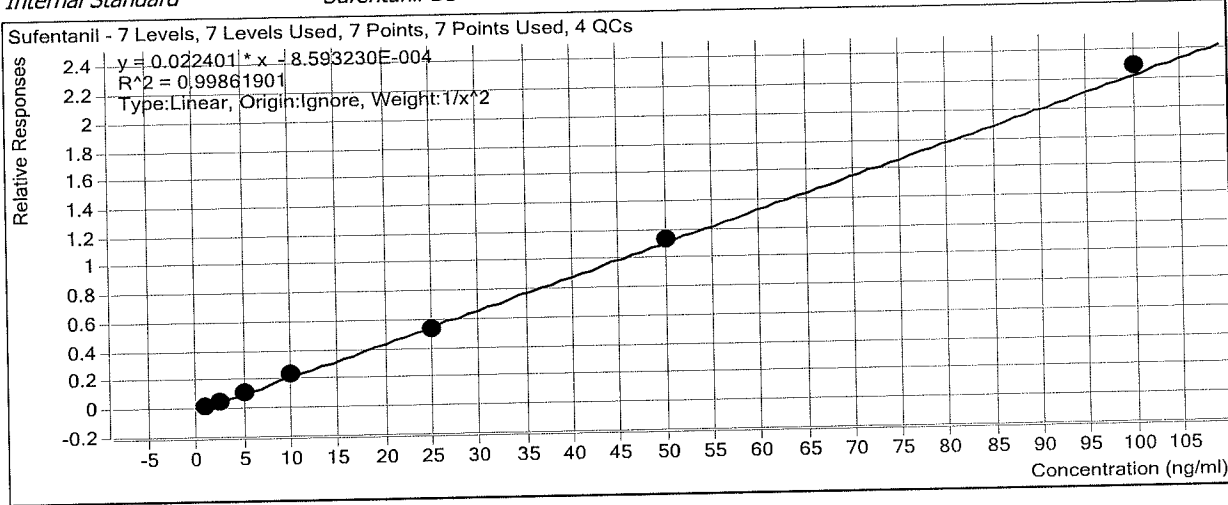
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

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Analyst Name ISP TOX

Target Compound *Sufentanil*
Internal Standard *Sufentanil-D5*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	0.5	0.0	0.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.0	101.5
b QC 10	2	<input checked="" type="checkbox"/>	1	1.4	144.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.4	94.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	5.1	102.4
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	10.2	102.2
b qc 100	5	<input checked="" type="checkbox"/>	10	9.4	93.6
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	24.0	95.9
b QC 250	6	<input checked="" type="checkbox"/>	25	25.8	103.3
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	50.4	100.9
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	102.3	102.3
b qc 1000	8	<input checked="" type="checkbox"/>	100	99.7	99.7

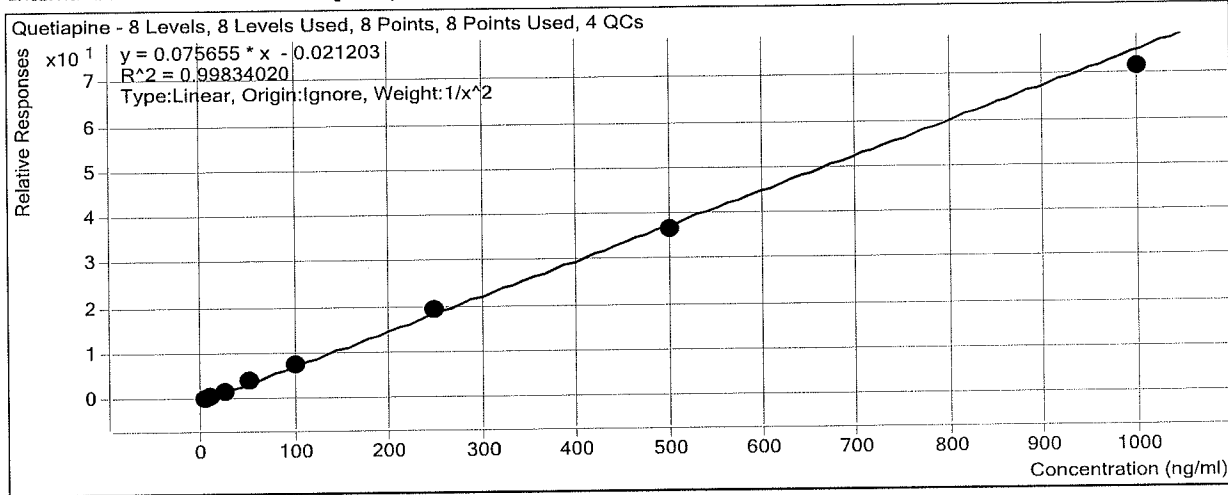
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

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Analyst Name ISP TOX

Target Compound *Quetiapine*
Internal Standard *Quetiapine-D8*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.9	99.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.2	101.6
b QC 10	2	<input checked="" type="checkbox"/>	10	10.8	108.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.5	98.1
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.6	105.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.9	101.9
b qc 100	5	<input checked="" type="checkbox"/>	100	107.6	107.6
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	257.6	103.0
b QC 250	6	<input checked="" type="checkbox"/>	250	256.6	102.6
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	484.1	96.8
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	944.2	94.4
b qc 1000	8	<input checked="" type="checkbox"/>	1000	962.7	96.3

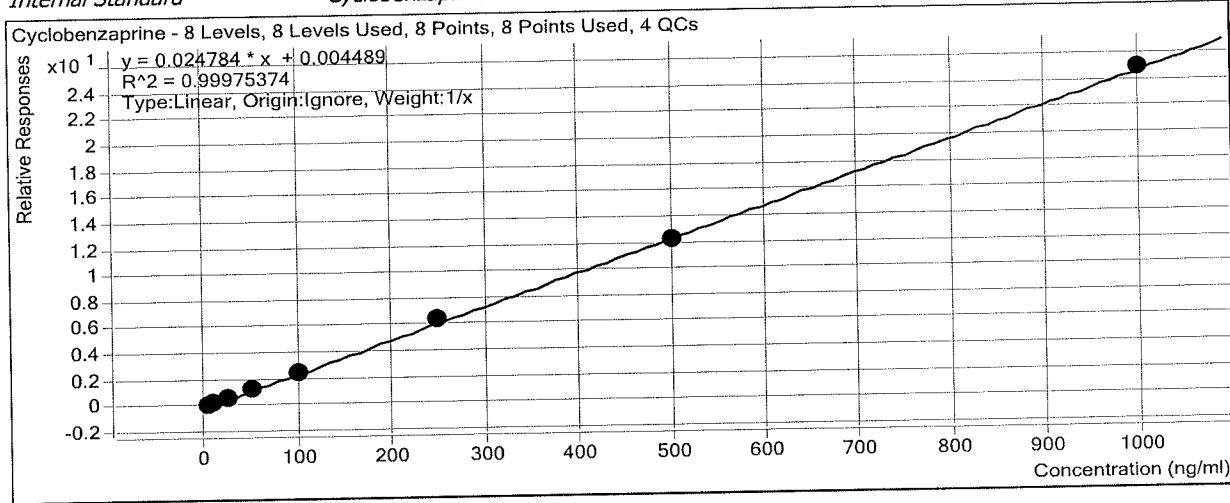
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

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Analyst Name ISP TOX

Target Compound *Cyclobenzaprine*
Internal Standard *Cyclobenzaprine-D3*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.5	109.6
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.4	94.0
b QC 10	2	<input checked="" type="checkbox"/>	10	9.6	95.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.3	97.4
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.5	99.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.7	98.7
b qc 100	5	<input checked="" type="checkbox"/>	100	101.7	101.7
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	256.1	102.5
b QC 250	6	<input checked="" type="checkbox"/>	250	282.6	113.0
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	491.6	98.3
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1004.8	100.5
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1034.9	103.5

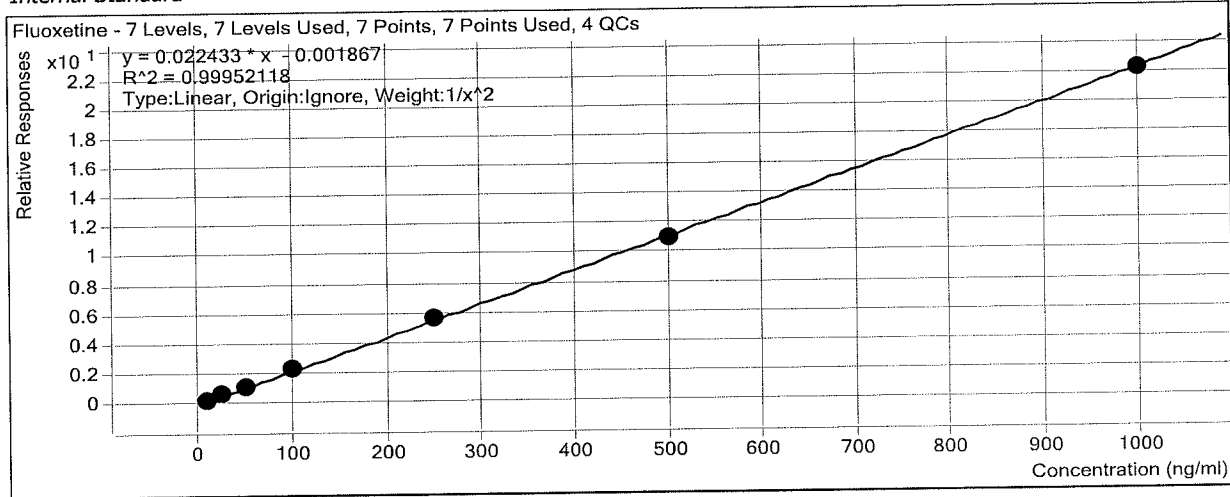
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

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Analyst Name ISP TOX

Target Compound *Fluoxetine*
Internal Standard *Fluoxetine-D6*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	0.0	0.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	98.5
b QC 10	2	<input checked="" type="checkbox"/>	10	10.4	104.2
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.7	102.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.1	102.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.7	99.7
b qc 100	5	<input checked="" type="checkbox"/>	100	91.2	91.2
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	249.8	99.9
b QC 250	6	<input checked="" type="checkbox"/>	250	251.8	100.7
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	489.1	97.8
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	990.2	99.0
b qc 1000	8	<input checked="" type="checkbox"/>	1000	970.2	97.0

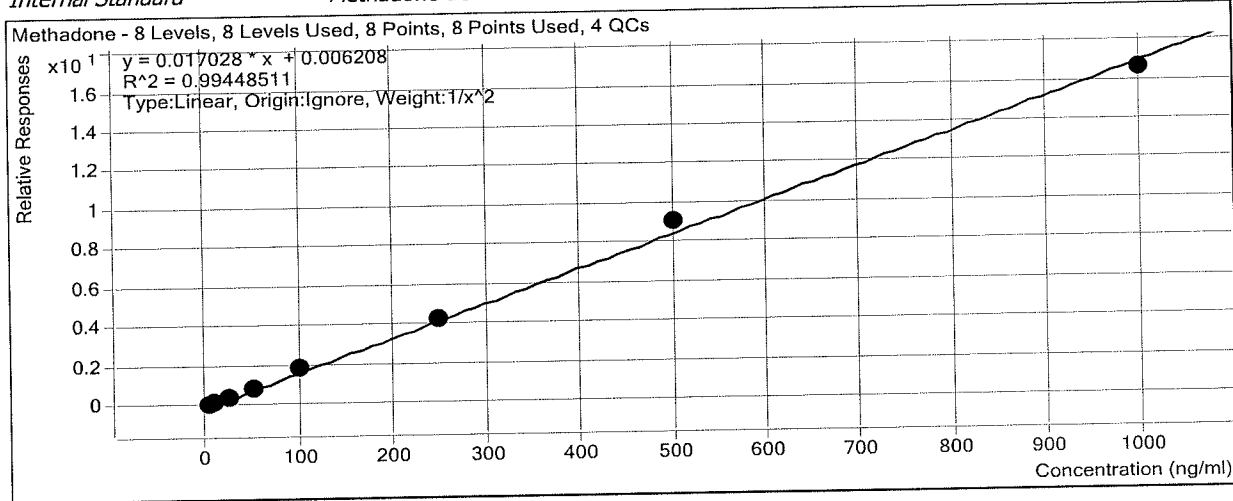
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\03202018 mdq\QuantResults\mdq p1b.batch.bin
3/21/2018 1:33 PM

Analyst Name ISP TOX

Target Compound *Methadone*
Internal Standard *Methadone-D9*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	104.9
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.3	93.2
b QC 10	2	<input checked="" type="checkbox"/>	10	10.5	105.4
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.1	92.3
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.5	95.0
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	109.0	109.0
b qc 100	5	<input checked="" type="checkbox"/>	100	111.6	111.6
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	252.6	101.1
b QC 250	6	<input checked="" type="checkbox"/>	250	265.1	106.0
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	535.3	107.1
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	973.6	97.4
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1034.2	103.4

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

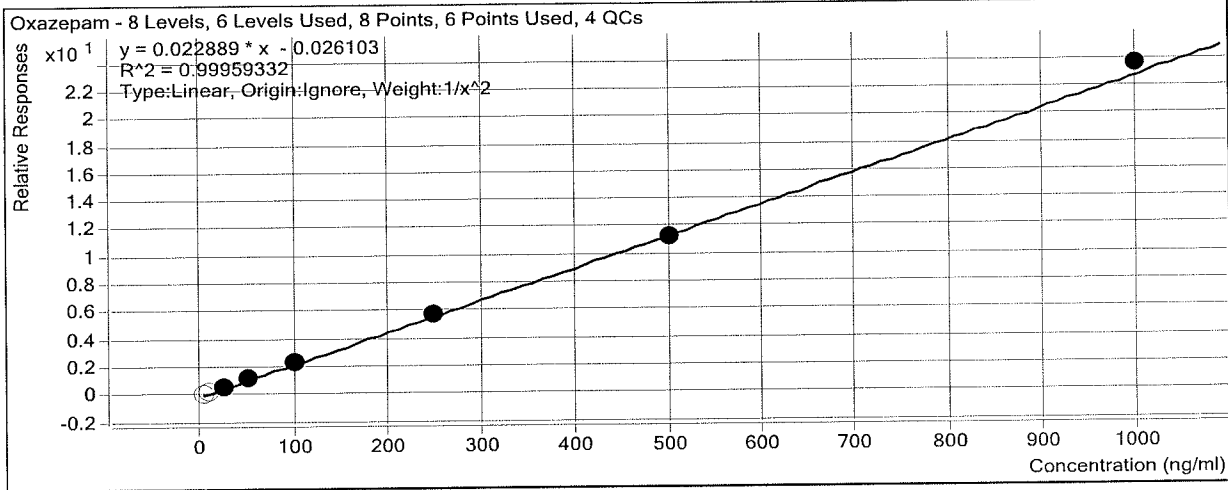
D:\2017 Data\03202018 mdq\QuantResults\mdq p1b.batch.bin
3/21/2018 1:33 PM

Analyst Name

ISP TOX

Target Compound
Internal Standard

Oxazepam
Oxazepam-D5



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	5	5.6	111.1
b cal 2-10ng	2	<input type="checkbox"/>	10	9.0	89.9
b QC 10	2	<input checked="" type="checkbox"/>	10	10.9	108.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.1	100.3
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.0	100.0
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.0	99.0
b qc 100	5	<input checked="" type="checkbox"/>	100	109.1	109.1
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	248.0	99.2
b QC 250	6	<input checked="" type="checkbox"/>	250	239.2	95.7
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	492.6	98.5
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1029.9	103.0
b qc 1000	8	<input checked="" type="checkbox"/>	1000	2007.8	200.8

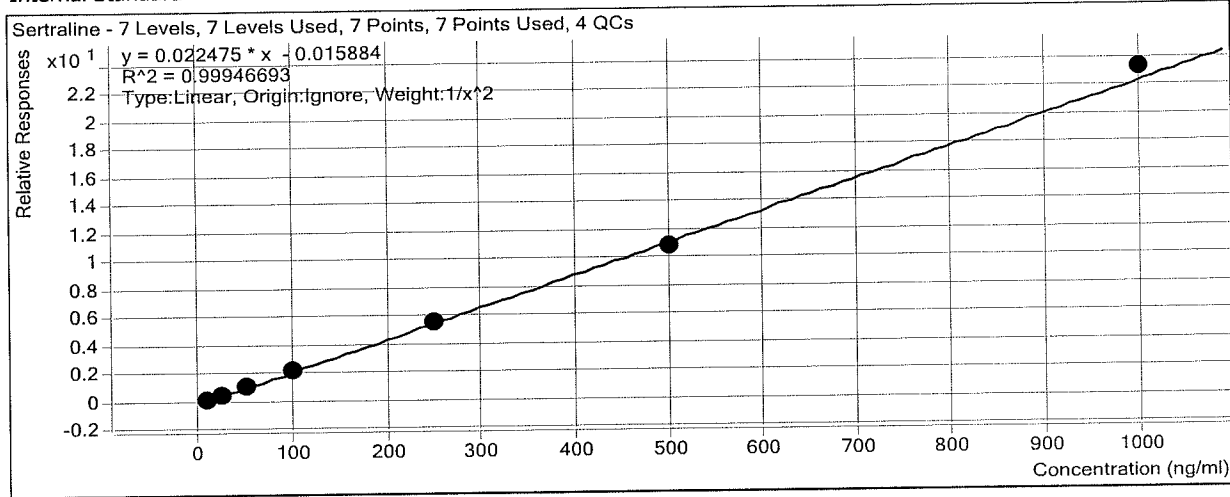
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\03202018 mdq\QuantResults\mdq p1b.batch.bin
3/21/2018 1:33 PM

Analyst Name ISP TOX

Target Compound *Sertraline*
Internal Standard *Sertraline-D3*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	0.0	0.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	100.7
b QC 10	2	<input type="checkbox"/>	10	11.2	112.1
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.6	98.5
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.6	99.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.8	100.8
b qc 100	5	<input checked="" type="checkbox"/>	100	100.7	100.7
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	249.1	99.6
b QC 250	6	<input checked="" type="checkbox"/>	250	267.8	107.1
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	487.4	97.5
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1036.1	103.6
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1001.0	100.1

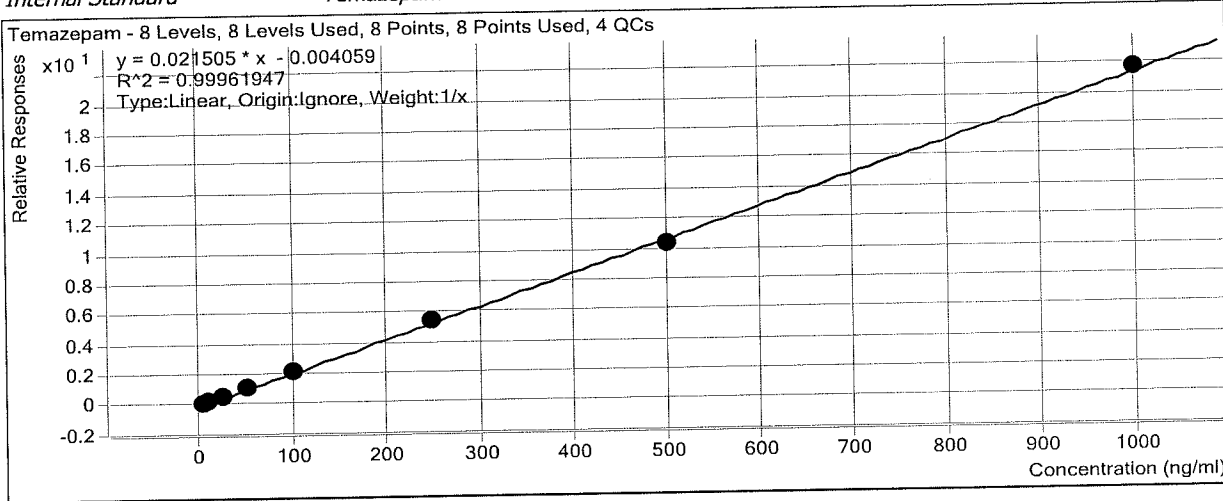
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\03202018 mdq\QuantResults\mdq p1b.batch.bin
3/21/2018 1:33 PM

Analyst Name ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.3	107.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.3	92.9
b QC 10	2	<input checked="" type="checkbox"/>	10	9.6	96.1
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.8	99.1
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.9	99.8
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.2	101.2
b qc 100	5	<input checked="" type="checkbox"/>	100	87.9	87.9
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	255.0	102.0
b QC 250	6	<input checked="" type="checkbox"/>	250	233.7	93.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	485.8	97.2
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1008.7	100.9
b qc 1000	8	<input checked="" type="checkbox"/>	1000	902.0	90.2

ISP Forensics Calibration Curve Report

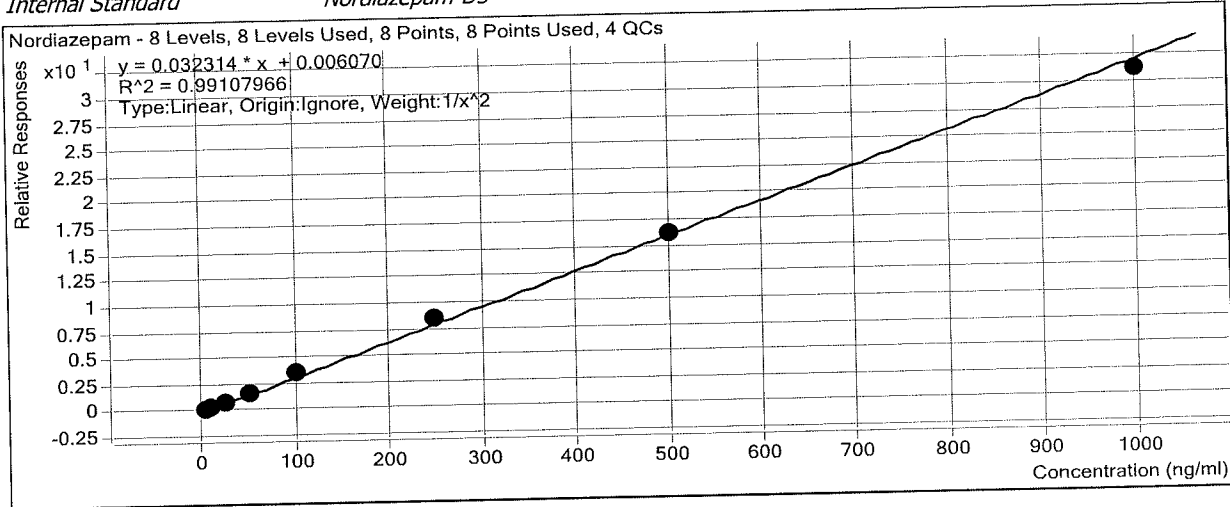
Batch Data Path
Last Calib Update

D:\2017 Data\03202018 mdq\QuantResults\mdq p1b.batch.bin
3/21/2018 1:33 PM

Analyst Name

ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.4	108.5
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	8.2	82.1
b QC 10	2	<input checked="" type="checkbox"/>	10	10.0	99.9
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.7	98.8
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.3	102.6
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	106.8	106.8
b qc 100	5	<input checked="" type="checkbox"/>	100	108.5	108.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	260.4	104.2
b QC 250	6	<input checked="" type="checkbox"/>	250	262.7	105.1
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	502.5	100.5
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	964.8	96.5
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1079.8	108.0

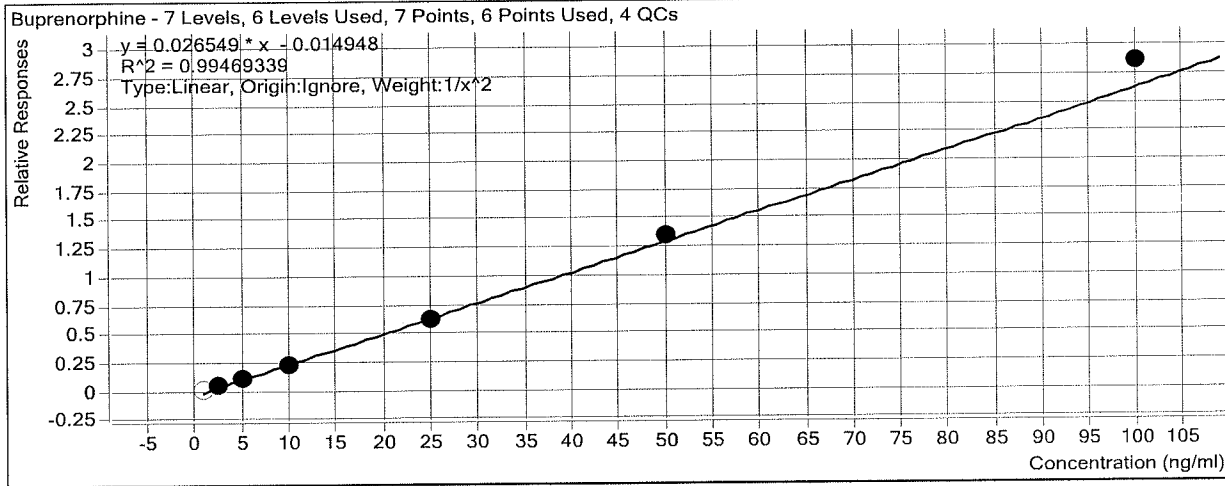
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\03202018 mdq\QuantResults\mdq p1b.batch.bin
3/21/2018 1:33 PM

Analyst Name ISP TOX

Target Compound *Buprenorphine*
Internal Standard *Buprenorphine-D4*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	0.5	0.0	0.0
b cal 2-10ng	2	<input type="checkbox"/>	1	1.4	142.1
b QC 10	2	<input type="checkbox"/>	1	1.3	133.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.6	103.7
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.8	96.6
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.2	92.1
b qc 100	5	<input checked="" type="checkbox"/>	10	8.6	85.7
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	24.2	96.9
b QC 250	6	<input checked="" type="checkbox"/>	25	23.6	94.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	51.3	102.7
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	108.1	108.1
b qc 1000	8	<input type="checkbox"/>	100	113.2	113.2

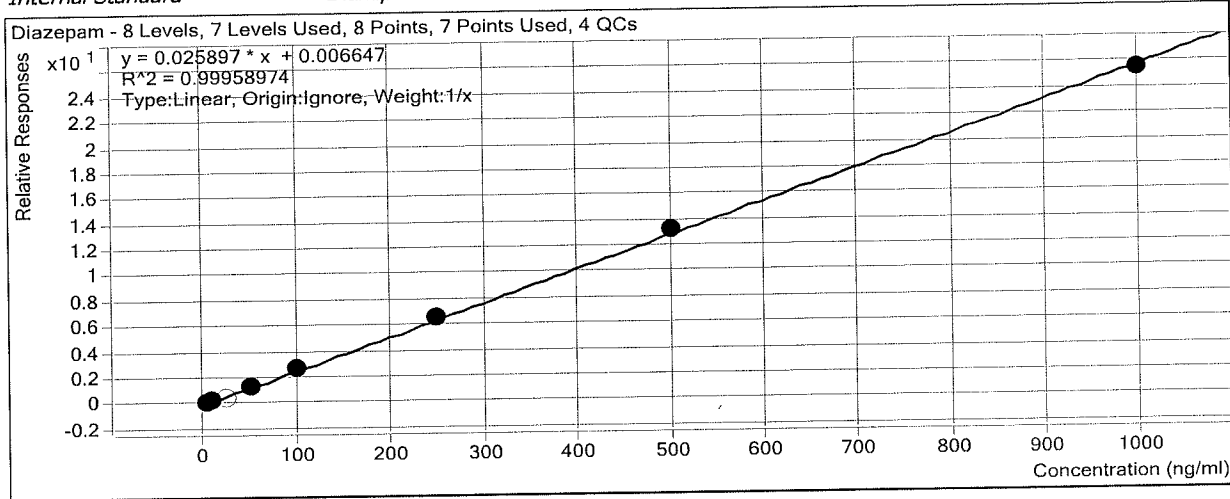
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\03202018 mdq\QuantResults\mdq p1b.batch.bin
3/21/2018 1:33 PM

Analyst Name ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.9	97.4
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.4	94.1
b QC 10	2	<input checked="" type="checkbox"/>	10	8.3	82.5
b cal 3-25ng	3	<input type="checkbox"/>	25	14.5	58.1
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.8	105.6
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.4	101.4
b qc 100	5	<input checked="" type="checkbox"/>	100	104.0	104.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	252.7	101.1
b QC 250	6	<input checked="" type="checkbox"/>	250	278.1	111.2
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	510.3	102.1
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	983.6	98.4
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1052.8	105.3

- Dropped peak cut off *A*

ISP FORENSICS - Cd'A Instrument # 62340

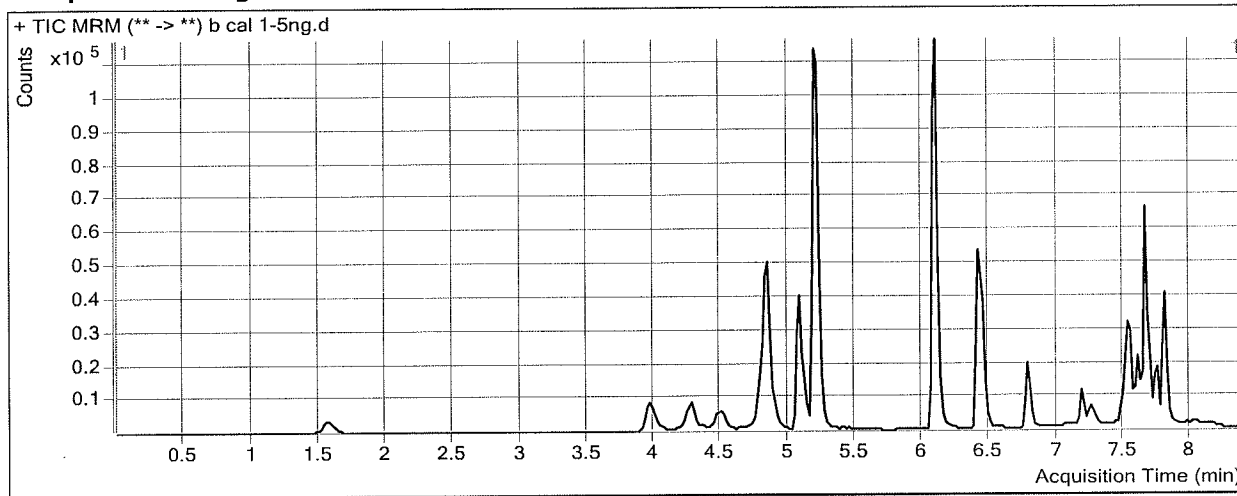
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\03202018 mdq\QuantResults\mdq p1b.batch.bin		
Analysis Time	3/21/2018 1:33 PM	Analyst Name	ISP Tox
Report Time	3/22/2018 7:55 AM	Reporter Name	ISP Tox
Last Calib Update	3/21/2018 1:33 PM	Batch State	Processed

Analysis Info

Acq Time	2018-03-20 15:08	Data File	b cal 1-5ng.d
Sample Type	Calibration	Sample Name	b cal 1-5ng
Dilution	1	Acq Method	Quant Panel 1b 10-2017.m
Position	P1-A1	Sample Info	
Inj Vol	-1	Comment	AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.588	2137	17231	0.1240	4.8957
Dihydrocodeine	Dihydrocodeine-D6	4.035	4168	39974	0.1043	4.5599
Naloxone	Naloxone-D5	4.350	2229	36370	0.0613	4.9190
Noroxycodone	Noroxycodone-D3	4.517	2792	21395	0.1305	4.8005
Naltrexone	Naltrexone-D3	4.810	5696	51373	0.1109	5.0993
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.904	1981	172762	0.0115	0.5066
Naltrexol	Naltrexol-D3	5.089	14556	105758	0.1376	4.0345
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.219	42523	357666	0.1189	4.8004
Ketamine	Ketamine-D4	6.095	13637	108539	0.1256	4.9733
Norfentanyl	Norfentanyl-D5	6.120	2170	232840	0.0093	0.2125
alpha-PVP	alpha-PVP-d8	6.427	17185	142364	0.1207	5.1079
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.800	580	56698	0.0102	0.5134
EDDP	EDDP-D3	7.269	1072	12183	0.0880	5.4284
Quetiapine	Quetiapine-D8	7.519	10117	28642	0.3532	4.9491
Cyclobenzaprine	Cyclobenzaprine-D3	7.512	1113	7930	0.1403	5.4796
Methadone	Methadone-D9	7.543	3577	37460	0.0955	5.2439
Oxazepam	Oxazepam-D5	7.609	3027	29973	0.1010	5.5533
Temazepam	Temazepam-D5	7.667	12494	112579	0.1110	5.3491
Nordiazepam	Nordiazepam-D5	7.755	5933	32714	0.1814	5.4244
Diazepam	Diazepam-D5	7.810	9402	70816	0.1328	4.8701

ISP FORENSICS - Cd'A Instrument # 62340

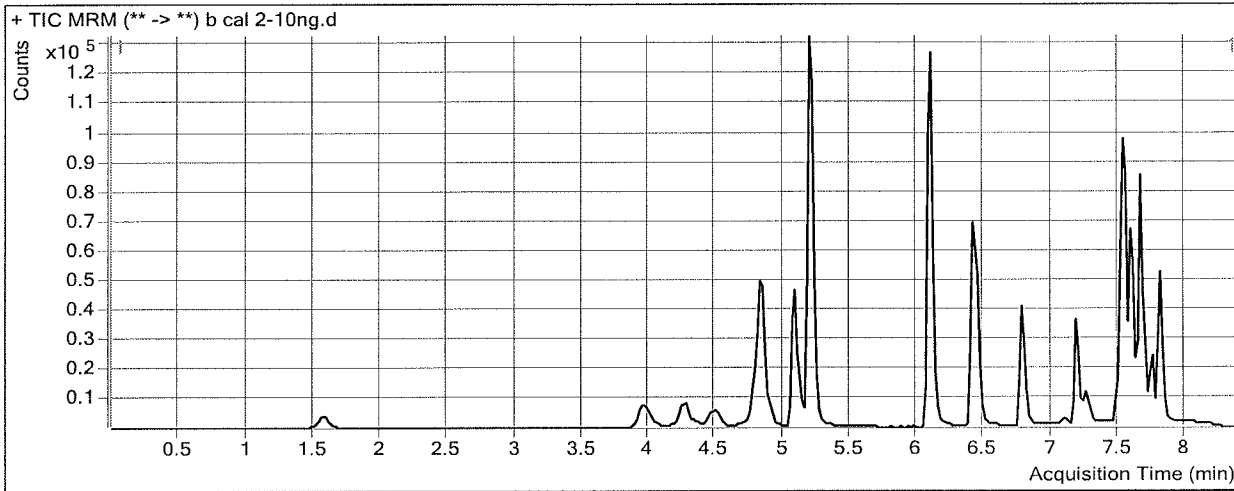
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\03202018 mdq\QuantResults\mdq p1b.batch.bin		
Analysis Time	3/21/2018 1:33 PM	Analyst Name	ISP Tox
Report Time	3/22/2018 7:55 AM	Reporter Name	ISP Tox
Last Calib Update	3/21/2018 1:33 PM	Batch State	Processed

Analysis Info

Acq Time	2018-03-20 15:33	Data File	b cal 2-10ng.d
Sample Type	Calibration	Sample Name	b cal 2-10ng
Dilution	1	Acq Method	Quant Panel 1b 10-2017.m
Position	P1-B1	Sample Info	
Inj Vol	-1	Comment	AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.588	4272	17799	0.2400	9.8050
Dihydrocodeine	Dihydrocodeine-D6	4.035	7702	39285	0.1961	9.2603
Naloxone	Naloxone-D5	4.350	4620	37630	0.1228	10.3690
Noroxycodone	Noroxycodone-D3	4.517	5026	21495	0.2338	9.2317
Naltrexone	Naltrexone-D3	4.810	10945	50802	0.2155	9.6429
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.904	4108	173500	0.0237	0.9930
Naltrexol	Naltrexol-D3	5.089	29057	111152	0.2614	8.9365
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.219	79691	371916	0.2143	9.2382
Ketamine	Ketamine-D4	6.095	27620	109474	0.2523	9.9332
Norfentanyl	Norfentanyl-D5	6.100	4582	242818	0.0189	0.7200
alpha-PVP	alpha-PVP-d8	6.427	36787	163513	0.2250	9.5337
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.800	2410	118196	0.0204	1.0040
Fentanyl	Fentanyl-D5	7.199	1691	86180	0.0196	1.1419
EDDP	EDDP-D3	7.269	3417	18760	0.1821	9.5227
Sufentanil	Sufentanil-D5	7.518	1172	53589	0.0219	1.0145
Quetiapine	Quetiapine-D8	7.519	37848	50655	0.7472	10.1563
Cyclobenzaprine	Cyclobenzaprine-D3	7.512	8620	36295	0.2375	9.4013
Fluoxetine	Fluoxetine-D6	7.584	22970	104842	0.2191	9.8498
Methadone	Methadone-D9	7.543	17097	103630	0.1650	9.3244
Oxazepam	Oxazepam-D5	7.628	5562	30951	0.1797	8.9914
Sertraline	Sertraline-D3	7.645	5212	24765	0.2104	10.0703
Temazepam	Temazepam-D5	7.667	23649	120796	0.1958	9.2923
Nordiazepam	Nordiazepam-D5	7.755	9925	36555	0.2715	8.2148

ISP FORENSICS - Cd'A Instrument # 62340
Multi-Drug Confirmatory Analysis Report

916 cal 2

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Buprenorphine	Buprenorphine-D4	7.897	631	27702	0.0228	1.4209
Diazepam	Diazepam-D5	7.810	18675	74620	0.2503	9.4070

ISP FORENSICS - Cd'A Instrument # 62340

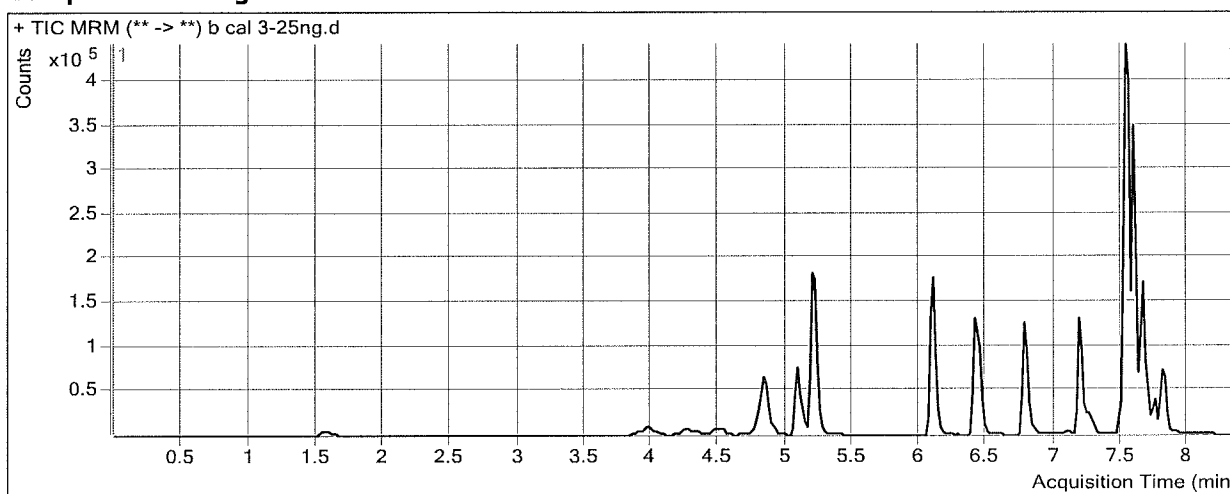
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\03202018 mdq\QuantResults\mdq p1b.batch.bin
Analysis Time 3/21/2018 1:33 PM **Analyst Name** ISP Tox
Report Time 3/22/2018 7:55 AM **Reporter Name** ISP Tox
Last Calib Update 3/21/2018 1:33 PM **Batch State** Processed

Analysis Info

Acq Time 2018-03-20 15:59 **Data File** b cal 3-25ng.d
Sample Type Calibration **Sample Name** b cal 3-25ng
Dilution 1 **Acq Method** Quant Panel 1b 10-2017.m
Position P1-C1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.588	10649	18242	0.5838	24.3550
Dihydrocodeine	Dihydrocodeine-D6	3.995	22080	43269	0.5103	25.3549
Naloxone	Naloxone-D5	4.350	11699	41127	0.2845	24.7019
Noroxycodone	Noroxycodone-D3	4.517	13636	23547	0.5791	24.0364
Naltrexone	Naltrexone-D3	4.810	31855	57211	0.5568	24.4739
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.904	12401	208295	0.0595	2.4216
Naltrexol	Naltrexol-D3	5.089	85942	123580	0.6954	26.1240
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.219	231740	414020	0.5597	25.3115
Ketamine	Ketamine-D4	6.095	83645	128473	0.6511	25.5494
Norfentanyl	Norfentanyl-D5	6.100	14971	303315	0.0494	2.3405
alpha-PVP	alpha-PVP-d8	6.427	132999	228472	0.5821	24.6934
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.800	18130	354461	0.0511	2.4900
Norbuprenorphine	Norbuprenorphine-D3	7.093	577	9764	0.0591	1.9567
Fentanyl	Fentanyl-D5	7.199	18592	336001	0.0553	2.6206
EDDP	EDDP-D3	7.269	18080	33777	0.5353	24.8859
Sufentanil	Sufentanil-D5	7.518	11136	212877	0.0523	2.3736
Quetiapine	Quetiapine-D8	7.519	194532	106027	1.8348	24.5317
Cyclobenzaprine	Cyclobenzaprine-D3	7.512	88912	146279	0.6078	24.3435
Fluoxetine	Fluoxetine-D6	7.584	251432	437172	0.5751	25.7216
Methadone	Methadone-D9	7.543	138281	346377	0.3992	23.0808
Oxazepam	Oxazepam-D5	7.628	15652	28559	0.5481	25.0845
Sertraline	Sertraline-D3	7.645	57256	106551	0.5374	24.6159
Temazepam	Temazepam-D5	7.667	67480	127673	0.5285	24.7659

ISP FORENSICS - Cd'A Instrument # 62340
Multi-Drug Confirmatory Analysis Report

116 cal 3

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Nordiazepam	Nordiazepam-D5	7.755	30863	38365	0.8044	24.7070
Buprenorphine	Buprenorphine-D4	7.897	4815	89401	0.0539	2.5915
Diazepam	Diazepam-D5	7.830	31833	83156	0.3828	14.5255



ISP FORENSICS - Cd'A Instrument # 62340

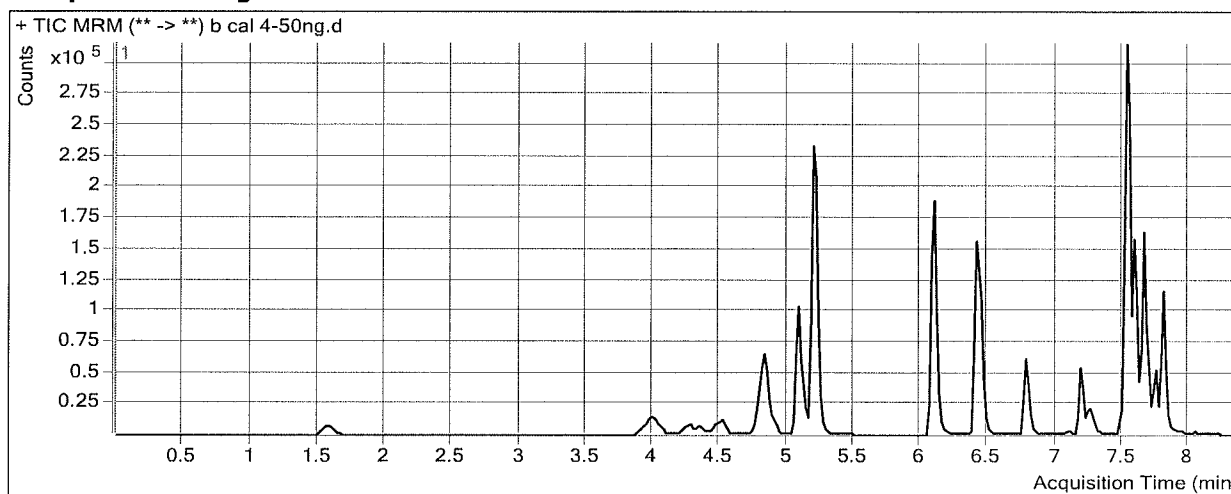
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\03202018 mdq\QuantResults\mdq p1b.batch.bin
Analysis Time 3/21/2018 1:33 PM **Analyst Name** ISP Tox
Report Time 3/22/2018 7:55 AM **Reporter Name** ISP Tox
Last Calib Update 3/21/2018 1:33 PM **Batch State** Processed

Analysis Info

Acq Time 2018-03-20 16:24 **Data File** b cal 4-50ng.d
Sample Type Calibration **Sample Name** b cal 4-50ng
Dilution 1 **Acq Method** Quant Panel 1b 10-2017.m
Position P1-D1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.588	20634	16875	1.2228	51.3971
Dihydrocodeine	Dihydrocodeine-D6	4.015	41971	40165	1.0450	52.7383
Naloxone	Naloxone-D5	4.350	19828	35673	0.5558	48.7566
Noroxycodone	Noroxycodone-D3	4.517	25562	20035	1.2759	53.9103
Naltrexone	Naltrexone-D3	4.810	55240	47785	1.1560	50.5086
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.904	20518	172916	0.1187	4.7767
Naltrexol	Naltrexol-D3	5.089	156625	110489	1.4176	54.7213
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.219	422483	371175	1.1382	52.2276
Ketamine	Ketamine-D4	6.095	150420	114092	1.3184	51.6832
Norfentanyl	Norfentanyl-D5	6.100	25459	255226	0.0997	5.0190
alpha-PVP	alpha-PVP-d8	6.427	220171	181092	1.2158	51.5911
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.800	16258	156853	0.1036	5.0262
Norbuprenorphine	Norbuprenorphine-D3	7.073	560	4361	0.1284	5.4852
Fentanyl	Fentanyl-D5	7.199	13808	122228	0.1130	5.0069
EDDP	EDDP-D3	7.269	23068	20896	1.1040	49.6249
Sufentanil	Sufentanil-D5	7.518	8547	75091	0.1138	5.1195
Quetiapine	Quetiapine-D8	7.519	238373	60233	3.9575	52.5897
Cyclobenzaprine	Cyclobenzaprine-D3	7.512	60851	49375	1.2324	49.5449
Fluoxetine	Fluoxetine-D6	7.584	161156	140852	1.1442	51.0874
Methadone	Methadone-D9	7.543	112516	137985	0.8154	47.5238
Oxazepam	Oxazepam-D5	7.609	25758	23031	1.1184	50.0029
Sertraline	Sertraline-D3	7.645	36727	33388	1.1000	49.6498
Temazepam	Temazepam-D5	7.667	128258	119988	1.0689	49.8935

ISP FORENSICS - Cd'A Instrument # 62340
Multi-Drug Confirmatory Analysis Report

PIB caly

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Nordiazepam	Nordiazepam-D5	7.755	55959	33620	1.6644	51.3213
Buprenorphine	Buprenorphine-D4	7.897	4166	36774	0.1133	4.8301
Diazepam	Diazepam-D5	7.810	102354	74477	1.3743	52.8106



ISP FORENSICS - Cd'A Instrument # 62340

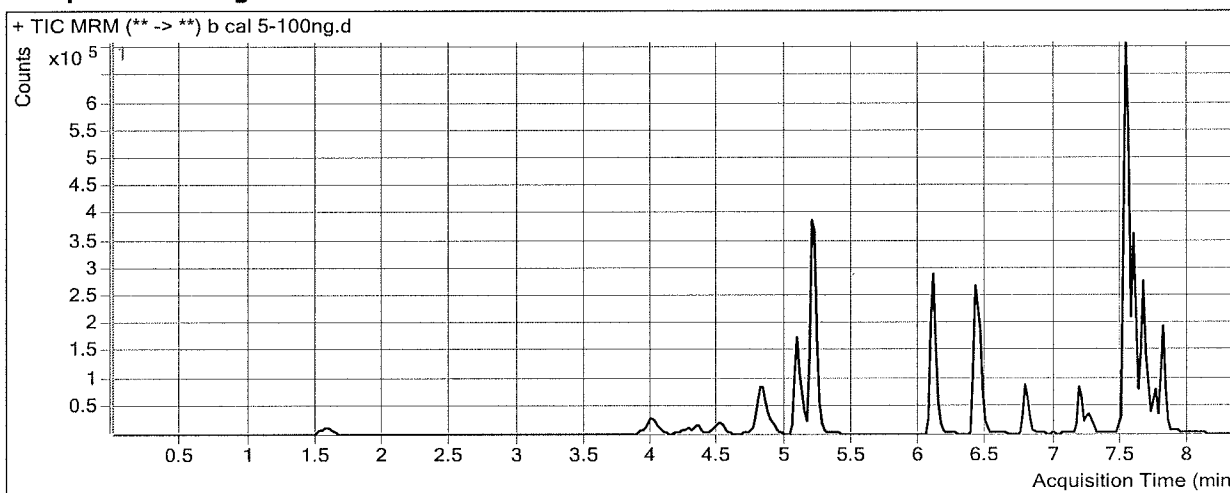
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\03202018 mdq\QuantResults\mdq p1b.batch.bin
Analysis Time 3/21/2018 1:33 PM **Analyst Name** ISP Tox
Report Time 3/22/2018 7:55 AM **Reporter Name** ISP Tox
Last Calib Update 3/21/2018 1:33 PM **Batch State** Processed

Analysis Info

Acq Time 2018-03-20 16:49 **Data File** b cal 5-100ng.d
Sample Type Calibration **Sample Name** b cal 5-100ng
Dilution 1 **Acq Method** Quant Panel 1b 10-2017.m
Position P1-E1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



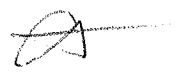
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.588	43767	18352	2.3849	100.5775
Dihydrocodeine	Dihydrocodeine-D6	4.015	91826	44367	2.0697	105.2206
Naloxone	Naloxone-D5	4.350	46485	39391	1.1801	104.0962
Noroxycodone	Noroxycodone-D3	4.517	52859	22150	2.3864	101.5275
Naltrexone	Naltrexone-D3	4.810	112465	48325	2.3273	101.3988
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.904	46808	189335	0.2472	9.8985
Naltrexol	Naltrexol-D3	5.089	327945	117720	2.7858	108.9055
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.219	925072	411549	2.2478	103.8519
Ketamine	Ketamine-D4	6.095	330119	126827	2.6029	101.9856
Norfentanyl	Norfentanyl-D5	6.100	55003	277853	0.1980	10.2391
alpha-PVP	alpha-PVP-d8	6.427	467644	195682	2.3898	101.4247
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.800	42291	207871	0.2035	9.8474
Norbuprenorphine	Norbuprenorphine-D3	7.093	1222	5518	0.2214	10.2278
Fentanyl	Fentanyl-D5	7.199	39236	173467	0.2262	9.6939
EDDP	EDDP-D3	7.269	50569	23312	2.1692	95.9635
Sufentanil	Sufentanil-D5	7.518	24804	108768	0.2280	10.2183
Quetiapine	Quetiapine-D8	7.519	599133	77966	7.6845	101.8532
Cyclobenzaprine	Cyclobenzaprine-D3	7.512	174795	71341	2.4501	98.6767
Fluoxetine	Fluoxetine-D6	7.584	478903	214299	2.2347	99.7038
Methadone	Methadone-D9	7.543	336201	180477	1.8628	109.0367
Oxazepam	Oxazepam-D5	7.609	45411	20282	2.2389	98.9574
Sertraline	Sertraline-D3	7.645	110716	49216	2.2496	100.7994
Temazepam	Temazepam-D5	7.667	247406	113873	2.1727	101.2167

ISP FORENSICS - Cd'A Instrument # 62340
Multi-Drug Confirmatory Analysis Report

PI b cal 5

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Nordiazepam	Nordiazepam-D5	7.755	103603	29980	3.4558	106.7563
Buprenorphine	Buprenorphine-D4	7.897	10206	44480	0.2294	9.2052
Diazepam	Diazepam-D5	7.810	207231	78690	2.6335	101.4336



ISP FORENSICS - Cd'A Instrument # 62340

Multi-Drug Confirmatory Analysis Report

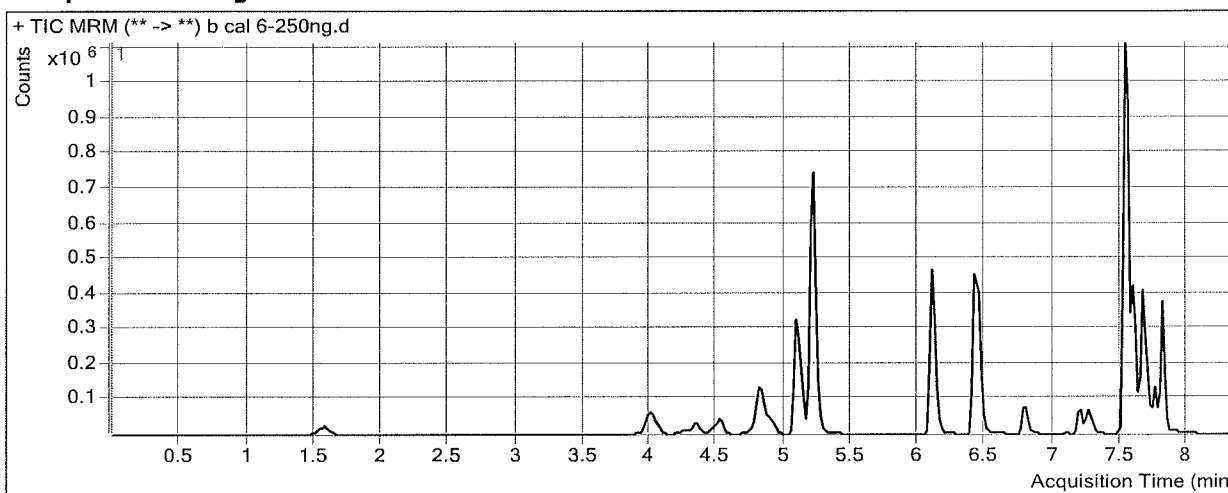
p1b

Batch Data Path D:\2017 Data\03202018 mdq\QuantResults\mdq p1b.batch.bin
Analysis Time 3/21/2018 1:33 PM **Analyst Name** ISP Tox
Report Time 3/22/2018 7:55 AM **Reporter Name** ISP Tox
Last Calib Update 3/21/2018 1:33 PM **Batch State** Processed

Analysis Info

Acq Time 2018-03-20 17:15 **Data File** b cal 6-250ng.d
Sample Type Calibration **Sample Name** b cal 6-250ng
Dilution 1 **Acq Method** Quant Panel 1b 10-2017.m
Position P1-F1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.588	101580	16666	6.0951	257.5986
Dihydrocodeine	Dihydrocodeine-D6	4.015	204582	39612	5.1647	263.7340
Naloxone	Naloxone-D5	4.350	112187	37300	3.0077	266.1074
Noroxycodone	Noroxycodone-D3	4.517	118005	18829	6.2673	267.9282
Naltrexone	Naltrexone-D3	4.810	242408	40911	5.9252	257.7243
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.904	103104	163625	0.6301	25.1520
Naltrexol	Naltrexol-D3	5.089	733362	105830	6.9296	273.0051
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.219	2062667	371628	5.5504	257.5115
Ketamine	Ketamine-D4	6.095	720145	110099	6.5409	256.2008
Norfentanyl	Norfentanyl-D5	6.120	116562	235368	0.4952	26.0400
alpha-PVP	alpha-PVP-d8	6.427	987949	162306	6.0869	258.3569
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.800	73989	144837	0.5108	24.6969
Norbuprenorphine	Norbuprenorphine-D3	7.093	2222	3957	0.5617	27.5665
Fentanyl	Fentanyl-D5	7.199	62265	107969	0.5767	24.2052
EDDP	EDDP-D3	7.269	113871	19579	5.8160	254.6040
Sufentanil	Sufentanil-D5	7.518	35641	66486	0.5361	23.9689
Quetiapine	Quetiapine-D8	7.519	1168916	60042	19.4684	257.6096
Cyclobenzaprine	Cyclobenzaprine-D3	7.512	268152	42211	6.3526	256.1325
Fluoxetine	Fluoxetine-D6	7.584	678588	121159	5.6008	249.7568
Methadone	Methadone-D9	7.543	523016	121405	4.3080	252.6372
Oxazepam	Oxazepam-D5	7.628	80677	14279	5.6500	247.9848
Sertraline	Sertraline-D3	7.645	154705	27709	5.5832	249.1215
Temazepam	Temazepam-D5	7.667	503239	91830	5.4801	255.0138

ISP FORENSICS - Cd'A Instrument # 62340
Multi-Drug Confirmatory Analysis Report

Plb cal 6

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Nordiazepam	Nordiazepam-D5	7.755	184100	21865	8.4199	260.3796
Buprenorphine	Buprenorphine-D4	7.897	18894	30080	0.6281	24.2225
Diazepam	Diazepam-D5	7.810	440403	67237	6.5500	252.6658

ISP FORENSICS - Cd'A Instrument # 62340

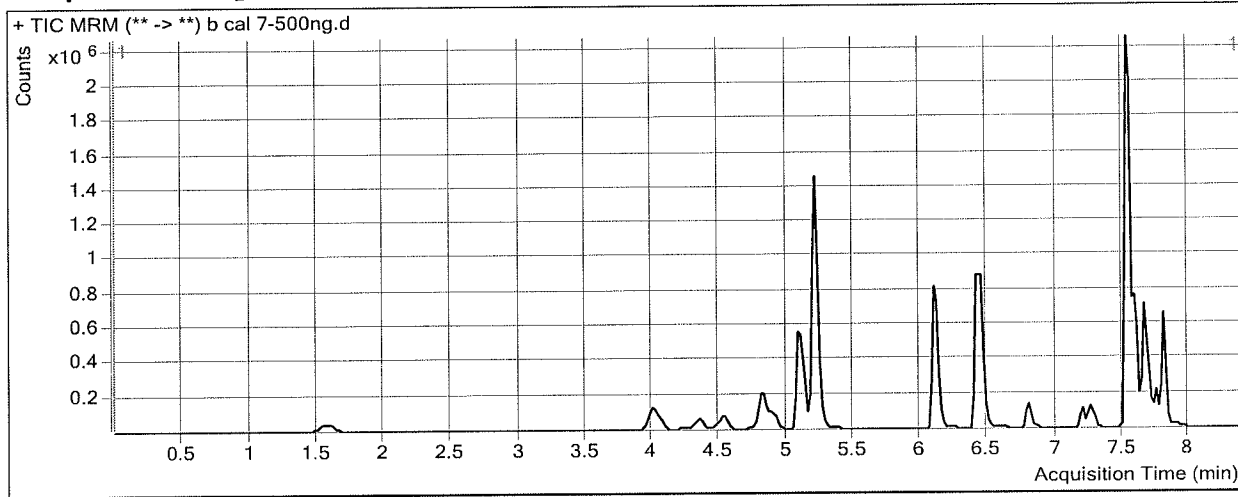
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\03202018 mdq\QuantResults\mdq p1b.batch.bin
Analysis Time 3/21/2018 1:33 PM **Analyst Name** ISP Tox
Report Time 3/22/2018 7:55 AM **Reporter Name** ISP Tox
Last Calib Update 3/21/2018 1:33 PM **Batch State** Processed

Analysis Info

Acq Time 2018-03-20 17:40 **Data File** b cal 7-500ng.d
Sample Type Calibration **Sample Name** b cal 7-500ng
Dilution 1 **Acq Method** Quant Panel 1b 10-2017.m
Position P1-G1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.608	213201	17656	12.0752	510.6814
Dihydrocodeine	Dihydrocodeine-D6	4.015	426918	43082	9.9094	506.7442
Naloxone	Naloxone-D5	4.350	207851	38898	5.3434	473.1709
Noroxycodone	Noroxycodone-D3	4.517	239041	20006	11.9485	511.5209
Naltrexone	Naltrexone-D3	4.810	429974	37649	11.4206	496.4916
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.904	230125	179189	1.2843	51.2109
Naltrexol	Naltrexol-D3	5.089	1420531	108994	13.0331	514.7133
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.219	4340970	400583	10.8366	503.4679
Ketamine	Ketamine-D4	6.095	1527361	122804	12.4374	487.1154
Norfentanyl	Norfentanyl-D5	6.120	237204	247845	0.9571	50.5876
alpha-PVP	alpha-PVP-d8	6.447	2163252	189653	11.4064	484.1513
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.800	172231	169467	1.0163	49.1152
Norbuprenorphine	Norbuprenorphine-D3	7.093	4195	4013	1.0455	52.2224
Fentanyl	Fentanyl-D5	7.199	136656	113207	1.2071	50.3058
EDDP	EDDP-D3	7.269	243400	21412	11.3672	496.0912
Sufentanil	Sufentanil-D5	7.518	83473	73917	1.1293	50.4492
Quetiapine	Quetiapine-D8	7.519	2548699	69623	36.6070	484.1451
Cyclobenzaprine	Cyclobenzaprine-D3	7.512	554976	45534	12.1882	491.5883
Fluoxetine	Fluoxetine-D6	7.584	1302181	118712	10.9693	489.0721
Methadone	Methadone-D9	7.543	1229711	134827	9.1207	535.2755
Oxazepam	Oxazepam-D5	7.628	141866	12613	11.2478	492.5516
Sertraline	Sertraline-D3	7.645	300233	27449	10.9377	487.3633
Temazepam	Temazepam-D5	7.667	941021	90116	10.4423	485.7564

ISP FORENSICS - Cd'A Instrument # 62340
Multi-Drug Confirmatory Analysis Report

PI b cal 7

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Nordiazepam	Nordiazepam-D5	7.755	319183	19649	16.2440	502.5087
Buprenorphine	Buprenorphine-D4	7.897	39882	29587	1.3479	51.3349
Diazepam	Diazepam-D5	7.810	870549	65847	13.2209	510.2566



ISP FORENSICS - Cd'A Instrument # 62340

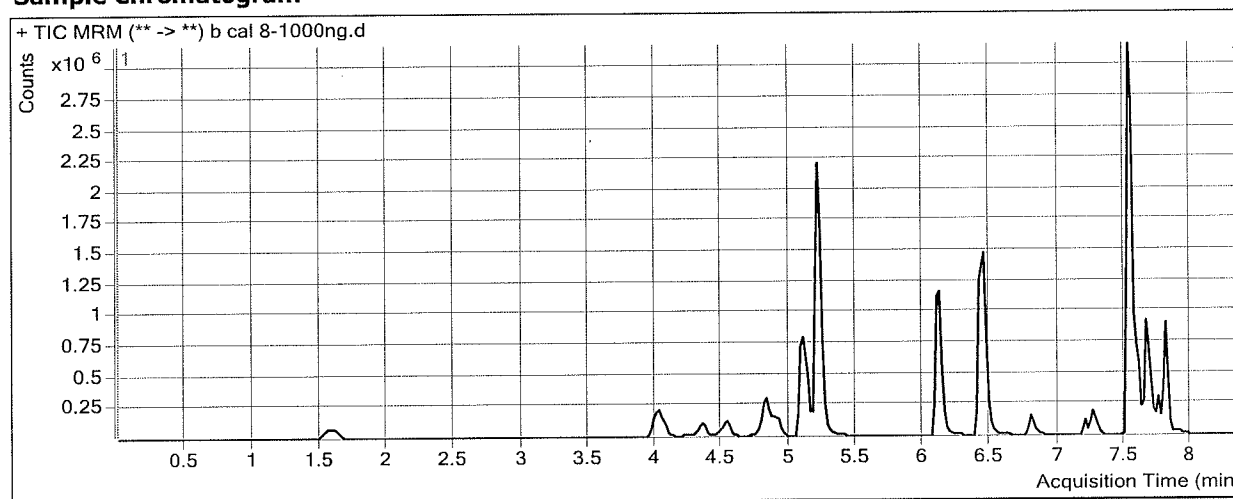
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\03202018 mdq\QuantResults\mdq p1b.batch.bin
Analysis Time 3/21/2018 1:33 PM **Analyst Name** ISP Tox
Report Time 3/22/2018 7:55 AM **Reporter Name** ISP Tox
Last Calib Update 3/21/2018 1:33 PM **Batch State** Processed

Analysis Info

Acq Time 2018-03-20 18:06 **Data File** b cal 8-1000ng.d
Sample Type Calibration **Sample Name** b cal 8-1000ng
Dilution 1 **Acq Method** Quant Panel 1b 10-2017.m
Position P1-H1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.608	372045	16050	23.1809	980.6896
Dihydrocodeine	Dihydrocodeine-D6	4.035	719786	37881	19.0011	972.3878
Naloxone	Naloxone-D5	4.350	373949	34357	10.8843	964.3591
Noroxycodone	Noroxycodone-D3	4.537	389055	17236	22.5726	967.0447
Naltrexone	Naltrexone-D3	4.830	653240	28710	22.7527	988.8573
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.924	398781	149084	2.6749	106.6088
Naltrexol	Naltrexol-D3	5.110	2123029	88409	24.0137	949.5598
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.219	6986308	330231	21.1558	983.5909
Ketamine	Ketamine-D4	6.095	2465303	102987	23.9380	937.4904
Norfentanyl	Norfentanyl-D5	6.120	358657	193427	1.8542	98.2739
alpha-PVP	alpha-PVP-d8	6.447	3593784	154159	23.3123	989.5213
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.800	245497	117087	2.0967	101.3070
Norbuprenorphine	Norbuprenorphine-D3	7.093	5490	2911	1.8857	95.0415
Fentanyl	Fentanyl-D5	7.199	156421	64541	2.4236	100.6677
EDDP	EDDP-D3	7.269	380994	16536	23.0402	1003.8795
Sufentanil	Sufentanil-D5	7.518	89553	39108	2.2899	102.2586
Quetiapine	Quetiapine-D8	7.519	3958919	55435	71.4153	944.2350
Cyclobenzaprine	Cyclobenzaprine-D3	7.512	555491	22301	24.9087	1004.8331
Fluoxetine	Fluoxetine-D6	7.584	1151668	51851	22.2109	990.2043
Methadone	Methadone-D9	7.543	1434650	86506	16.5844	973.6020
Oxazepam	Oxazepam-D5	7.628	238851	10143	23.5482	1029.9459
Sertraline	Sertraline-D3	7.645	248809	10692	23.2714	1036.1299
Temazepam	Temazepam-D5	7.667	1434260	66129	21.6887	1008.7123

ISP FORENSICS - Cd'A Instrument # 62340
Multi-Drug Confirmatory Analysis Report

Alb cal 8

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Nordiazepam	Nordiazepam-D5	7.755	436650	14003	31.1835	964.8389
Buprenorphine	Buprenorphine-D4	7.877	50353	17633	2.8557	108.1264
Diazepam	Diazepam-D5	7.810	1293690	50777	25.4780	983.5563

AM# 28: Multi-Drug Quantitation in Blood by LC-MS/MS

Extraction Date: 3/21/18
Plate lot#: 0507680

Analyst: Anne Nord
Plate Expiration: 6-5-2018

Mobile phase A: 5mM Amm Form + 0.01% FA
0.5M Ammonium Hydroxide

Mobile phase B: 0.01% Formic Acid in MeOH
Ethyl Acetate 20% Methanol in Water

Blank Blood Lot: 17J20718

Column: Agilent 120 EC-C18 (2.1x 100-4um)

LCMS-QQQ ID: 62340

Pre-Analytic:

- 1. Check levels of mobile phases and needle wash refill as needed. Ensure waste is not full.
- 2. Ensure correct column is installed and begin mobile phase flow allow to equilibrate ~ 30 minutes.
- 3. Create worklist:

Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Pipette **250µL blood (calibrated pipette)** Pipette ID: ~~1926134~~^{390993 amn} in wells of analytical (standards) plate.
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. *Shaker ID: 66759*
- 4. Pipette **250µL 00.5M ammonium hydroxide** in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **300µL of blood+base** mixture to corresponding wells of SLE+ plate.
- 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent).
(Load at 85-100 PSI- Selector to the right) Manifold ID: 66792
- 8. Wait 5 minutes.
- 9. Add **900uL ethyl acetate**.
- 10. Wait 5 minutes.
- 11. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.
- 12. Add **900uL ethyl acetate**.
- 13. Wait 5 minutes.
- 14. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.
- 15. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C.
SPE Dry ID: 66819
- 16. Reconstitute in **100µL 20% MeOH** and heat seal plate with foil. Place in autosampler and run worklist.

Post-Analytic

- 1. Create batch and process data.
Worklist path: 03212018 mdq Batch Name: mdq pla
- 2. Make necessary changes to integration limits
- 3. Integration linear and R² values ≥0.98 for each analyte.
- 4. For unknown samples and controls: response ratio within 20% of average of controls and standards, RT within +/- 5% (tramadol RT +/-2%), S/N for primary transition >10 and secondary transitions >5.
- 5. Did all QCs pass for each analyte? Y / N see comments. Add Control data to QC tracking spreadsheet.
- 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports.

COMMENTS: Only Amphetamine, Methamphetamine, Tramadol, Trazodone, Diphenhydramine, Clonazepam, and 7-amino clonazepam were evaluated in this batch.

Toxicology AM method 28 panel 1 external prep information

working solution 10000 ng/ml in meoh Lorazepam, alprazolam, diphenhydramine, methadone, sertraline

Stock solution 1mg/ml 100 ul each in 9500 ul meOH

Ppd 3/19/18 Exp: 3/19/19 lot 31919 by AMN

Drug	lot	expiration
alprazolam	fe07161509	7/1/2020
diphenhydramine	fn09161502	9/1/2020
Lorazepam	fe04231401	5/1/2019
methadone	fe06221502	7/1/2020
sertraline	fn01081501	3/1/2020

AM 28 control 50 ul working solution lot (31919) in 9950 ul blood lot (17120718)
ppd 3/19/18 Exp 9/19/18 by AMN Concentration 50 ng/ml each lot 91918

ISP FORENSICS - Cd'A Instrument # 62340

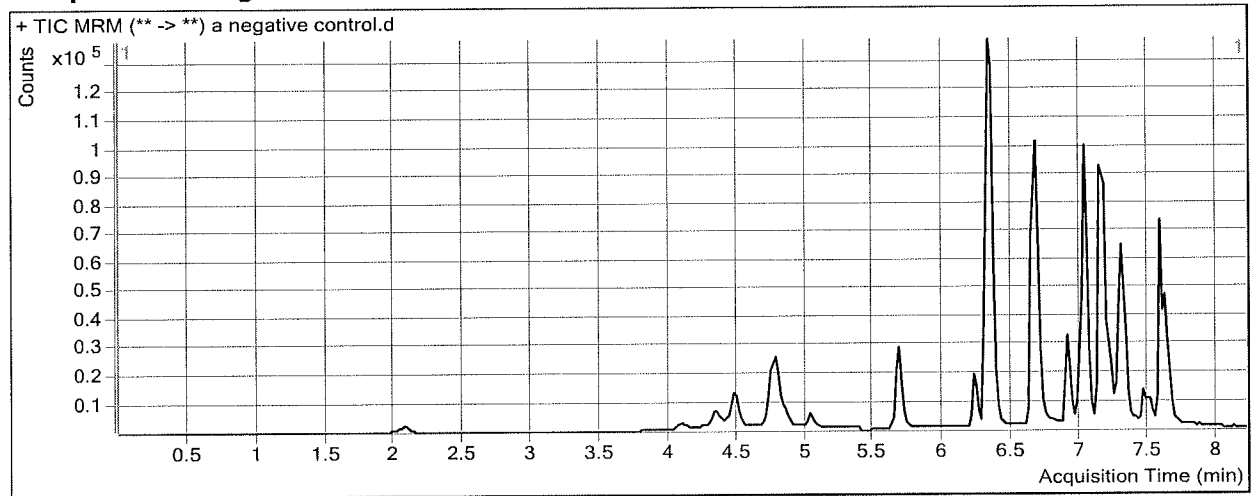
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\03212018 mdq\QuantResults\mdq p1a.batch.bin
Analysis Time 3/22/2018 10:17 AM **Analyst Name** ISP Tox
Report Time 3/22/2018 10:21 AM **Reporter Name** ISP Tox
Last Calib Update 3/22/2018 10:17 AM **Batch State** Processed

Analysis Info

Acq Time 2018-03-21 14:36 **Data File** a negative control.d
Sample Type Sample **Sample Name** a negative control
Dilution 1 **Acq Method** Quant Panel 1a 10-17.m
Position P1-E2 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



ISP FORENSICS - Cd'A Instrument # 62340

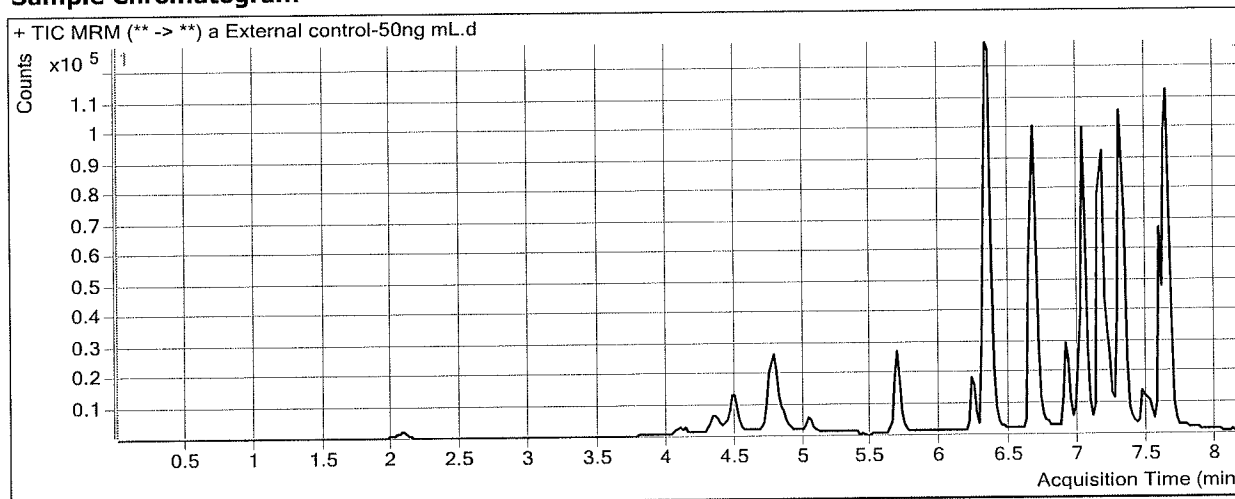
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\03212018 mdq\QuantResults\mdq p1a.batch.bin
Analysis Time 3/22/2018 10:17 AM **Analyst Name** ISP Tox
Report Time 3/22/2018 10:21 AM **Reporter Name** ISP Tox
Last Calib Update 3/22/2018 10:17 AM **Batch State** Processed

Analysis Info

Acq Time 2018-03-21 14:48 **Data File** a External control-50ng mL.d
Sample Type Sample **Sample Name** a External control-50ng mL
Dilution 1 **Acq Method** Quant Panel 1a 10-17.m
Position P1-F2 **Sample Info**
Inj Vol -1 **Comment** AM 28; external control p1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Diphenhydramine	Diphenhydramine-D3	7.311	90706	103980	0.8723	46.4676

ISP FORENSICS - Cd'A Instrument # 62340

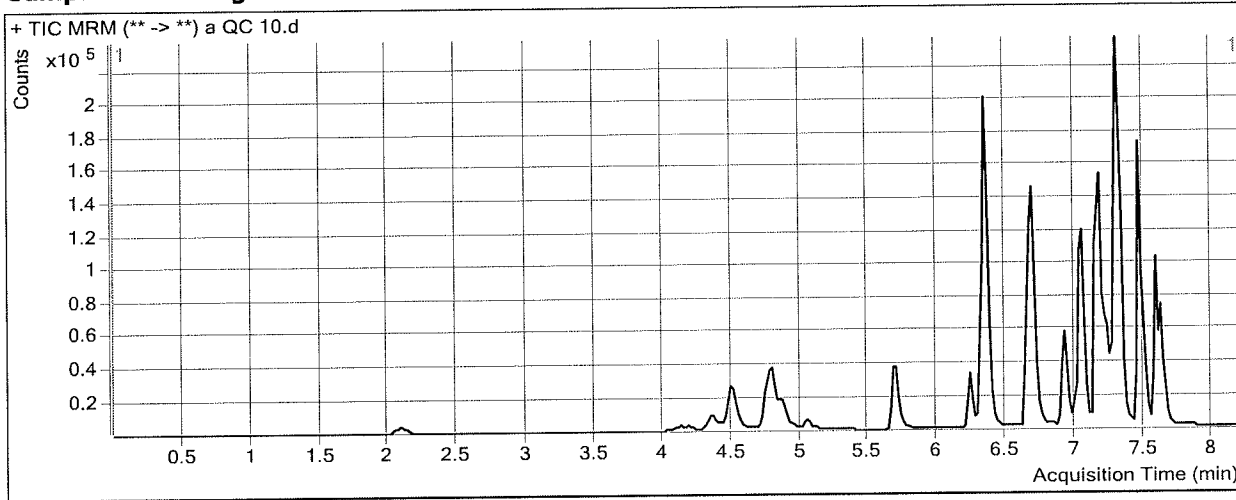
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\03212018 mdq\QuantResults\mdq p1a.batch.bin
Analysis Time 3/22/2018 10:17 AM **Analyst Name** ISP Tox
Report Time 3/22/2018 10:21 AM **Reporter Name** ISP Tox
Last Calib Update 3/22/2018 10:17 AM **Batch State** Processed

Analysis Info

Acq Time 2018-03-21 15:01 **Data File** a QC 10.d
Sample Type QC **Sample Name** a QC 10
Dilution 1 **Acq Method** Quant Panel 1a 10-17.m
Position P1-A2 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Amphetamine	Amphetamine-D11	4.504	43342	36800	1.1778	11.2112
Methamphetamine	Methamphetamine-D11	4.881	34818	116388	0.2992	9.4216
7-aminoclonazepam	7-Aminoclonazepam-D4	6.352	12656	52666	0.2403	9.7504
Tramadol	Tramadol-13C-D3	6.360	95549	474317	0.2014	9.8618
Trazodone	Trazodone-D6	7.235	33939	153178	0.2216	10.0328
Diphenhydramine	Diphenhydramine-D3	7.311	60905	334903	0.1819	9.4390
Clonazepam	Clonazepam-D4	7.502	5707	8391	0.6801	9.6986

ISP FORENSICS - Cd'A Instrument # 62340

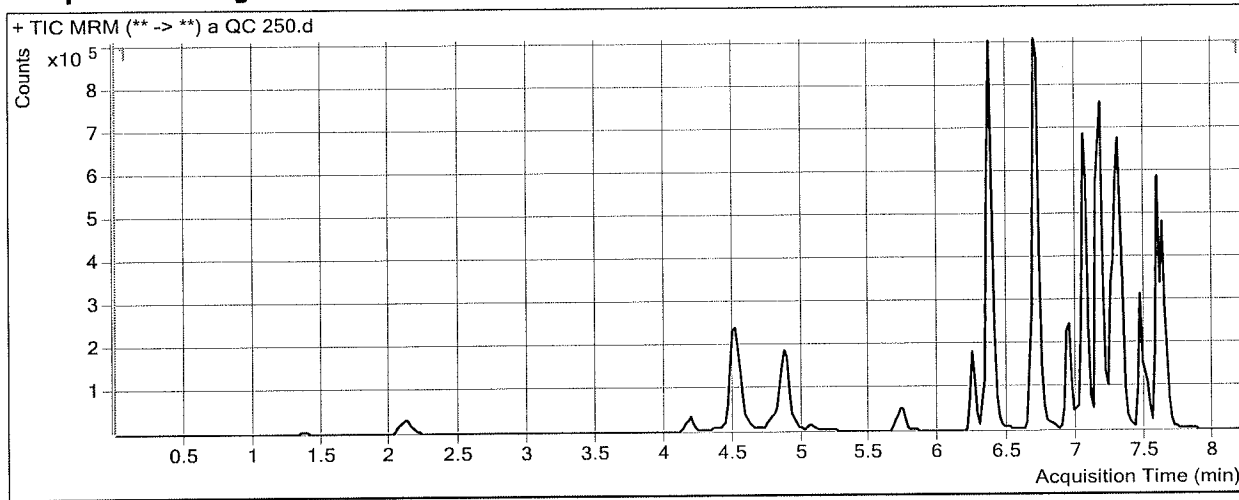
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\03212018 mdq\QuantResults\mdq p1a.batch.bin
Analysis Time 3/22/2018 10:17 AM **Analyst Name** ISP Tox
Report Time 3/22/2018 10:21 AM **Reporter Name** ISP Tox
Last Calib Update 3/22/2018 10:17 AM **Batch State** Processed

Analysis Info

Acq Time 2018-03-21 16:04 **Data File** a QC 250.d
Sample Type QC **Sample Name** a QC 250
Dilution 1 **Acq Method** Quant Panel 1a 10-17.m
Position P1-C2 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Amphetamine	Amphetamine-D11	4.504	640429	31039	20.6332	256.9609
Methamphetamine	Methamphetamine-D11	4.901	491116	75189	6.5318	248.1467
7-aminoclonazepam	7-Aminoclonazepam-D4	6.352	252087	46056	5.4734	250.3114
Tramadol	Tramadol-13C-D3	6.360	1990475	412417	4.8264	251.3398
Trazodone	Trazodone-D6	7.235	530227	91688	5.7829	259.7285
Diphenhydramine	Diphenhydramine-D3	7.311	770851	160840	4.7927	256.7043
Clonazepam	Clonazepam-D4	7.502	110342	6146	17.9522	249.8153

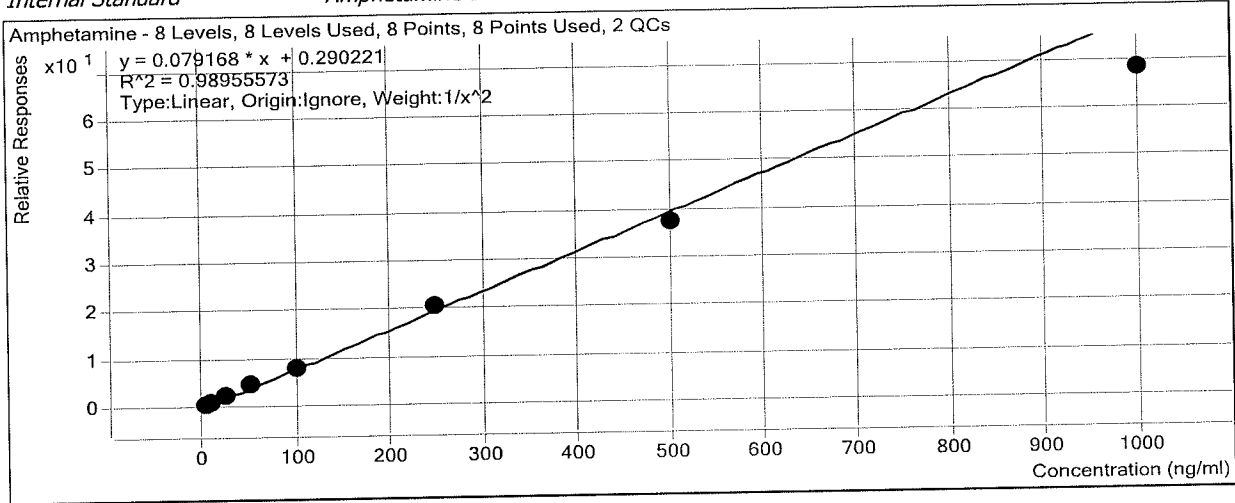
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2018 Data\03212018 mdq\QuantResults\mdq p1a.batch.bin
3/22/2018 10:17 AM

Analyst Name ISP TOX

Target Compound *Amphetamine*
Internal Standard *Amphetamine-D11*

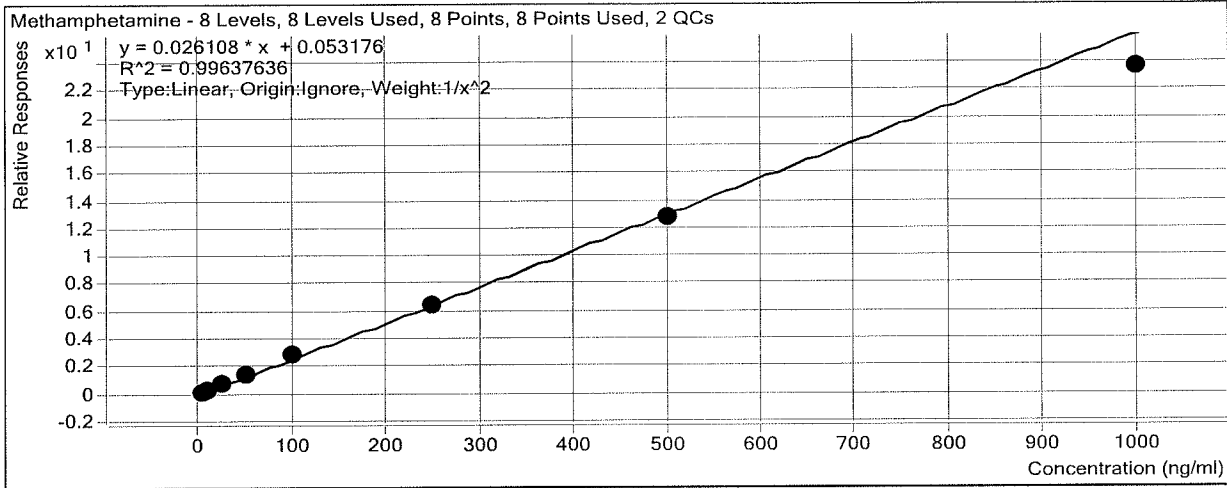


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	99.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	94.7
a QC 10	2	<input checked="" type="checkbox"/>	10	11.2	112.1
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	28.0	111.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	55.8	111.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.9	98.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	260.1	104.0
a QC 250	6	<input checked="" type="checkbox"/>	250	257.0	102.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	469.3	93.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	858.9	85.9

ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\03212018 mdq\QuantResults\mdq p1a.batch.bin
Last Calib Update 3/22/2018 10:17 AM **Analyst Name** ISP TOX

Target Compound *Methamphetamine*
Internal Standard *Methamphetamine-D11*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.9	97.4
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.2	102.3
a QC 10	2	<input checked="" type="checkbox"/>	10	9.4	94.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.4	105.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.7	101.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	106.8	106.8
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	246.6	98.6
a QC 250	6	<input checked="" type="checkbox"/>	250	248.1	99.3
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	489.5	97.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	902.2	90.2

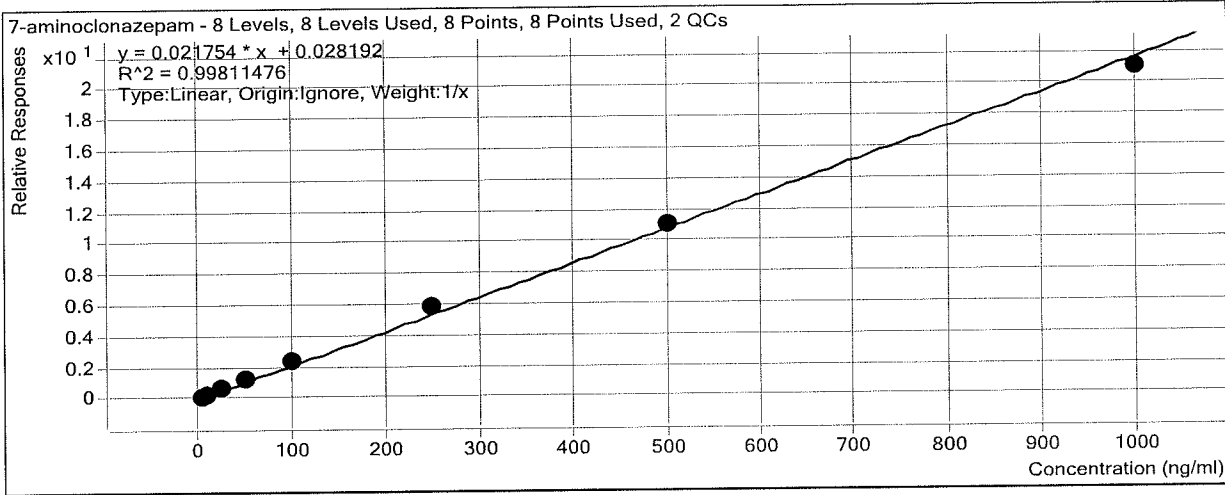
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2018 Data\03212018 mdq\QuantResults\mdq p1a.batch.bin
3/22/2018 10:17 AM

Analyst Name ISP TOX

Target Compound 7-aminoclonazepam
Internal Standard 7-Aminoclonazepam-D4



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	3.9	78.9
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	98.2
a QC 10	2	<input checked="" type="checkbox"/>	10	9.8	97.5
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.2	104.8
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	53.1	106.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	107.6	107.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	264.4	105.8
a QC 250	6	<input checked="" type="checkbox"/>	250	250.3	100.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	510.3	102.1
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	964.6	96.5

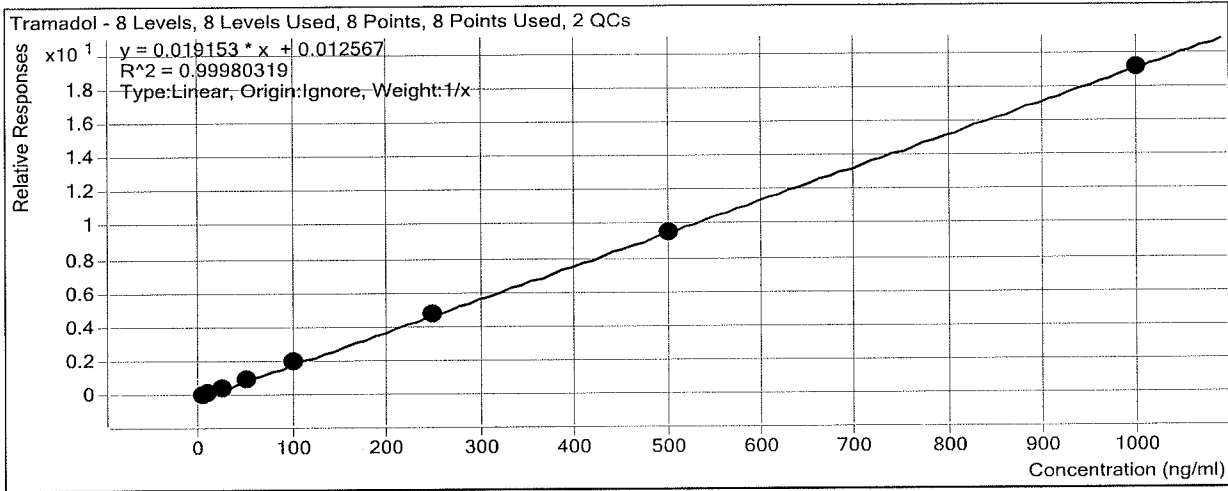
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2018 Data\03212018 mdq\QuantResults\mdq p1a.batch.bin
3/22/2018 10:17 AM

Analyst Name ISP TOX

Target Compound *Tramadol*
Internal Standard *Tramadol-13C-D3*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.7	94.5
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	95.8
a QC 10	2	<input checked="" type="checkbox"/>	10	9.9	98.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.6	102.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.8	103.6
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	104.6	104.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	249.7	99.9
a QC 250	6	<input checked="" type="checkbox"/>	250	251.3	100.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	497.1	99.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	996.9	99.7

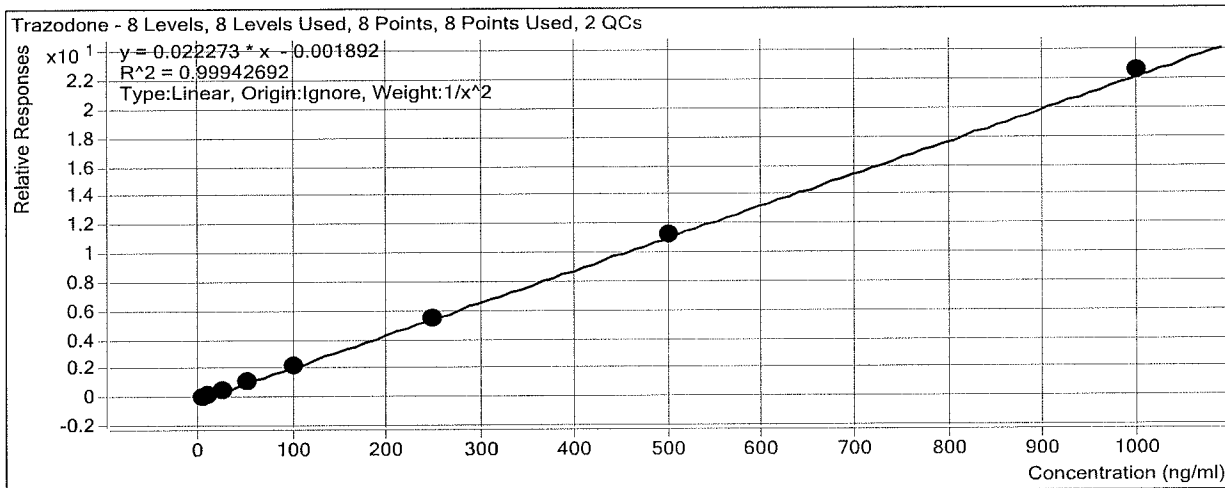
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2018 Data\03212018 mdq\QuantResults\mdq p1a.batch.bin
3/22/2018 10:17 AM

Analyst Name ISP TOX

Target Compound *Trazodone*
Internal Standard *Trazodone-D6*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	101.9
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	95.6
a QC 10	2	<input checked="" type="checkbox"/>	10	10.0	100.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.3	101.2
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.4	100.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.5	98.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	248.8	99.5
a QC 250	6	<input checked="" type="checkbox"/>	250	259.7	103.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	504.9	101.0
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1013.7	101.4

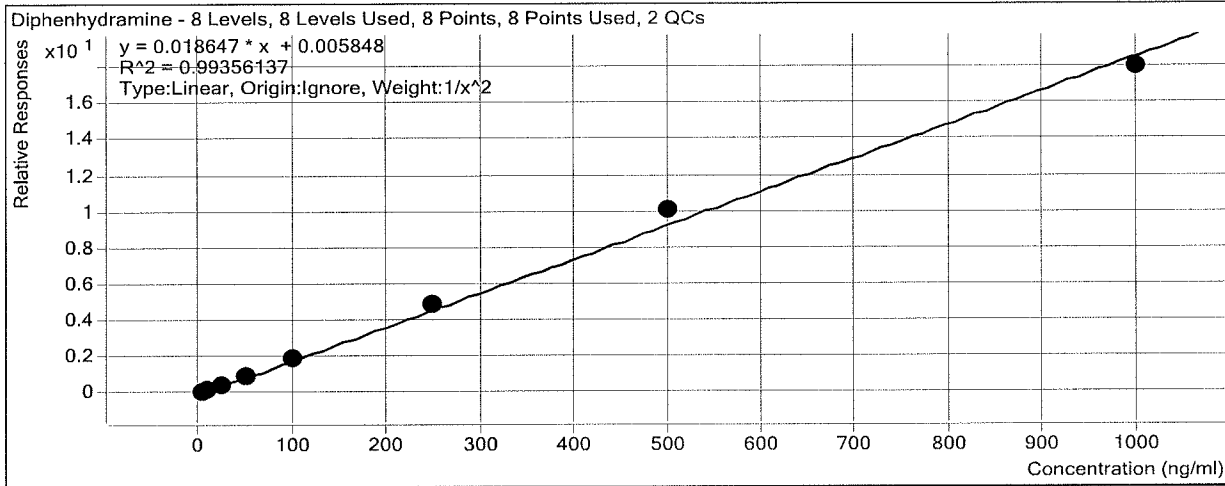
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2018 Data\03212018 mdq\QuantResults\mdq p1a.batch.bin
3/22/2018 10:17 AM

Analyst Name ISP TOX

Target Compound *Diphenhydramine*
Internal Standard *Diphenhydramine-D3*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.3	106.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	8.9	89.3
a QC 10	2	<input checked="" type="checkbox"/>	10	9.4	94.4
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.9	91.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.2	100.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.3	103.3
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	259.9	104.0
a QC 250	6	<input checked="" type="checkbox"/>	250	256.7	102.7
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	542.4	108.5
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	963.4	96.3

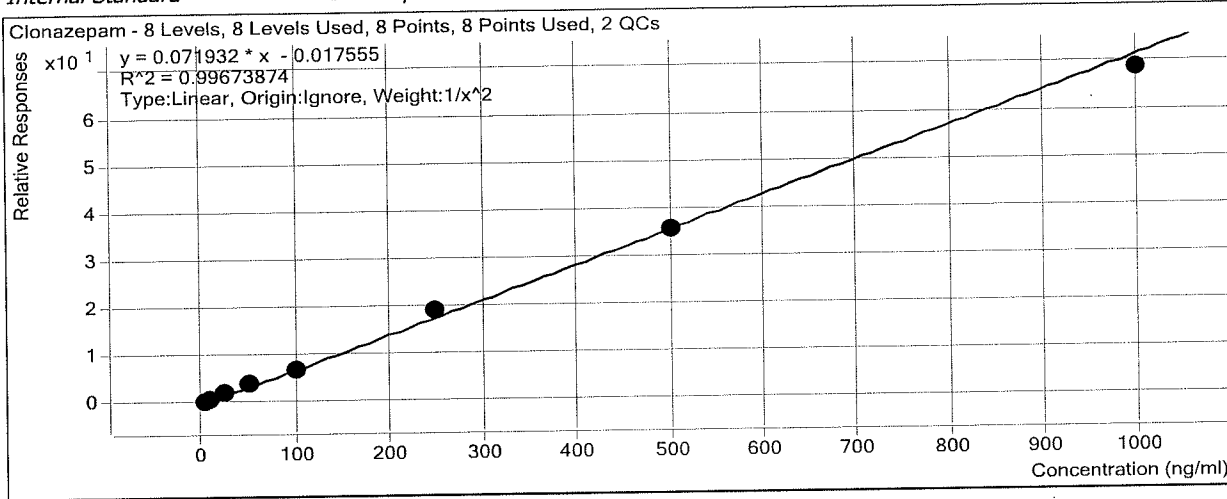
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2018 Data\03212018 mdq\QuantResults\mdq p1a.batch.bin
3/22/2018 10:17 AM

Analyst Name ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.6
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	95.9
a QC 10	2	<input checked="" type="checkbox"/>	10	9.7	97.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.7	107.0
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.7	103.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	93.1	93.1
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	262.6	105.0
a QC 250	6	<input checked="" type="checkbox"/>	250	249.8	99.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	497.9	99.6
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	954.0	95.4

ISP FORENSICS - Cd'A Instrument # 62340

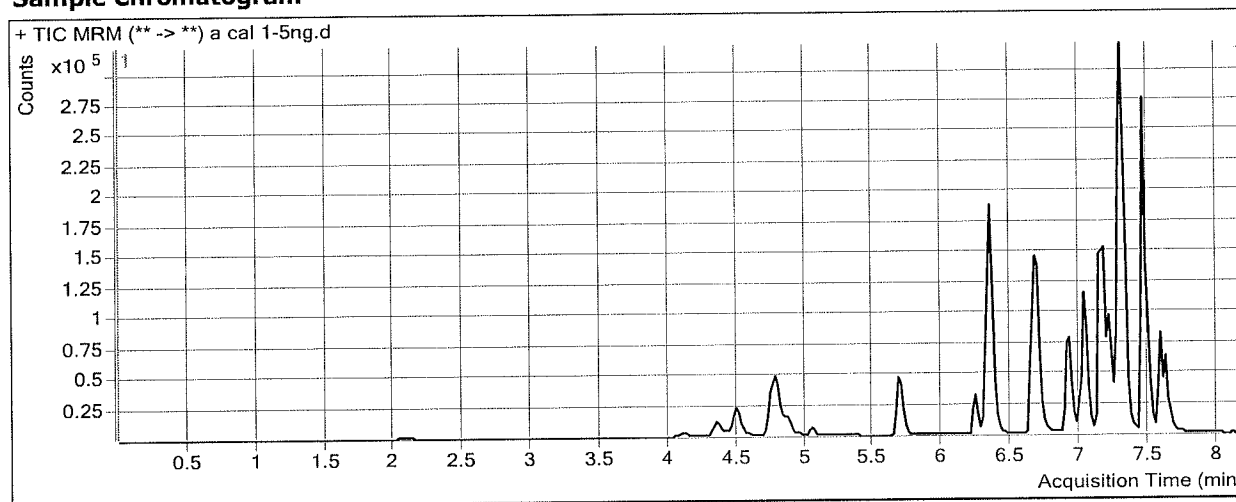
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\03212018 mdq\QuantResults\mdq p1a.batch.bin
Analysis Time 3/22/2018 10:17 AM **Analyst Name** ISP Tox
Report Time 3/22/2018 10:21 AM **Reporter Name** ISP Tox
Last Calib Update 3/22/2018 10:17 AM **Batch State** Processed

Analysis Info

Acq Time 2018-03-21 12:42 **Data File** a cal 1-5ng.d
Sample Type Calibration **Sample Name** a cal 1-5ng
Dilution 1 **Acq Method** Quant Panel 1a 10-17.m
Position P1-A1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Amphetamine	Amphetamine-D11	4.504	33834	49538	0.6830	4.9610
Methamphetamine	Methamphetamine-D11	4.881	30069	166757	0.1803	4.8698
7-aminoclonazepam	7-Aminoclonazepam-D4	6.352	6140	53839	0.1140	3.9462
Tramadol	Tramadol-13C-D3	6.360	51084	495661	0.1031	4.7250
Trazodone	Trazodone-D6	7.235	24842	222547	0.1116	5.0968
Diphenhydramine	Diphenhydramine-D3	7.311	51164	485804	0.1053	5.3343
Clonazepam	Clonazepam-D4	7.502	2859	8305	0.3443	5.0299

ISP FORENSICS - Cd'A Instrument # 62340

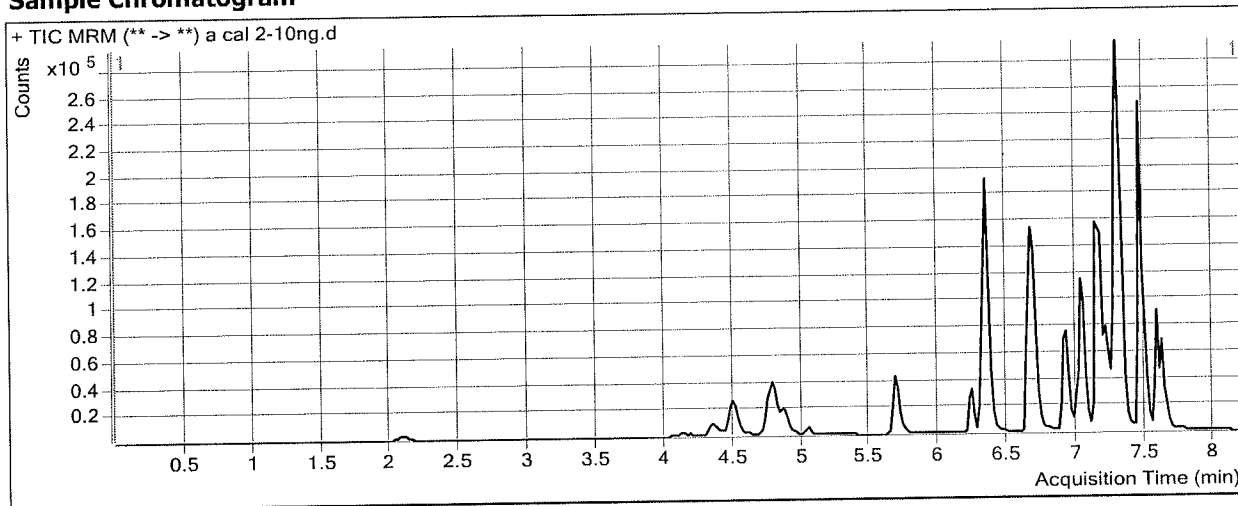
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\03212018 mdq\QuantResults\mdq p1a.batch.bin
Analysis Time 3/22/2018 10:17 AM **Analyst Name** ISP Tox
Report Time 3/22/2018 10:21 AM **Reporter Name** ISP Tox
Last Calib Update 3/22/2018 10:17 AM **Batch State** Processed

Analysis Info

Acq Time 2018-03-21 12:55 **Data File** a cal 2-10ng.d
Sample Type Calibration **Sample Name** a cal 2-10ng
Dilution 1 **Acq Method** Quant Panel 1a 10-17.m
Position P1-B1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Amphetamine	Amphetamine-D11	4.504	44630	42910	1.0401	9.4718
Methamphetamine	Methamphetamine-D11	4.881	39998	124902	0.3202	10.2289
7-aminoclonazepam	7-Aminoclonazepam-D4	6.352	11739	48547	0.2418	9.8199
Tramadol	Tramadol-13C-D3	6.360	89662	457133	0.1961	9.5847
Trazodone	Trazodone-D6	7.235	38413	181986	0.2111	9.5620
Diphenhydramine	Diphenhydramine-D3	7.311	75735	439371	0.1724	8.9303
Clonazepam	Clonazepam-D4	7.502	5313	7906	0.6720	9.5866

ISP FORENSICS - Cd'A Instrument # 62340

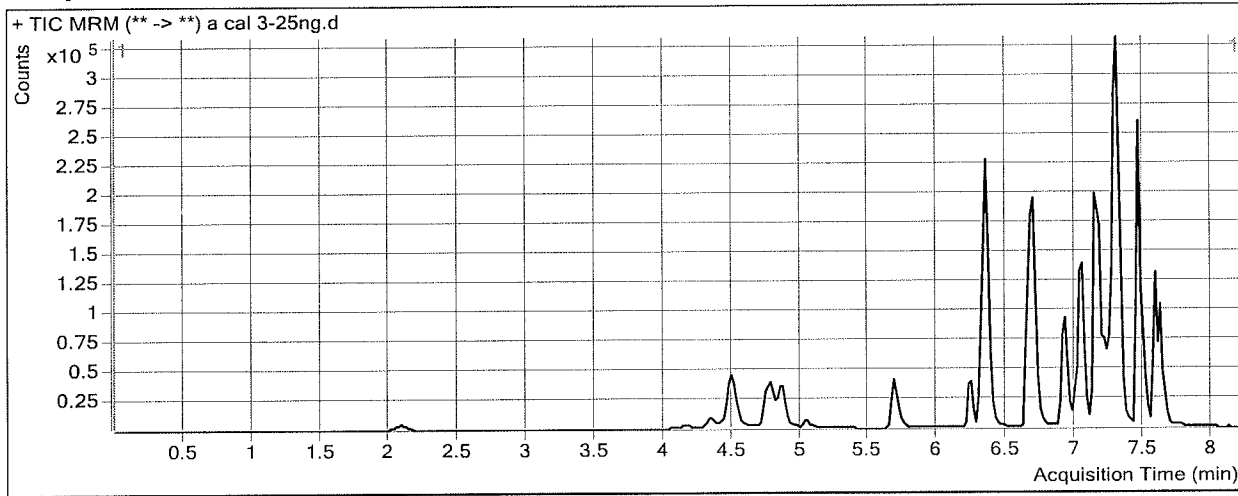
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\03212018 mdq\QuantResults\mdq p1a.batch.bin
Analysis Time 3/22/2018 10:17 AM **Analyst Name** ISP Tox
Report Time 3/22/2018 10:21 AM **Reporter Name** ISP Tox
Last Calib Update 3/22/2018 10:17 AM **Batch State** Processed

Analysis Info

Acq Time 2018-03-21 13:07 **Data File** a cal 3-25ng.d
Sample Type Calibration **Sample Name** a cal 3-25ng
Dilution 1 **Acq Method** Quant Panel 1a 10-17.m
Position P1-C1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Amphetamine	Amphetamine-D11	4.504	101489	40522	2.5046	27.9703
Methamphetamine	Methamphetamine-D11	4.881	87763	118398	0.7413	26.3551
7-aminoclonazepam	7-Aminoclonazepam-D4	6.332	30227	50528	0.5982	26.2033
Tramadol	Tramadol-13C-D3	6.340	221438	439997	0.5033	25.6209
Trazodone	Trazodone-D6	7.235	91660	163256	0.5615	25.2932
Diphenhydramine	Diphenhydramine-D3	7.311	166048	383610	0.4329	22.8994
Clonazepam	Clonazepam-D4	7.502	13883	7284	1.9060	26.7415

ISP FORENSICS - Cd'A Instrument # 62340

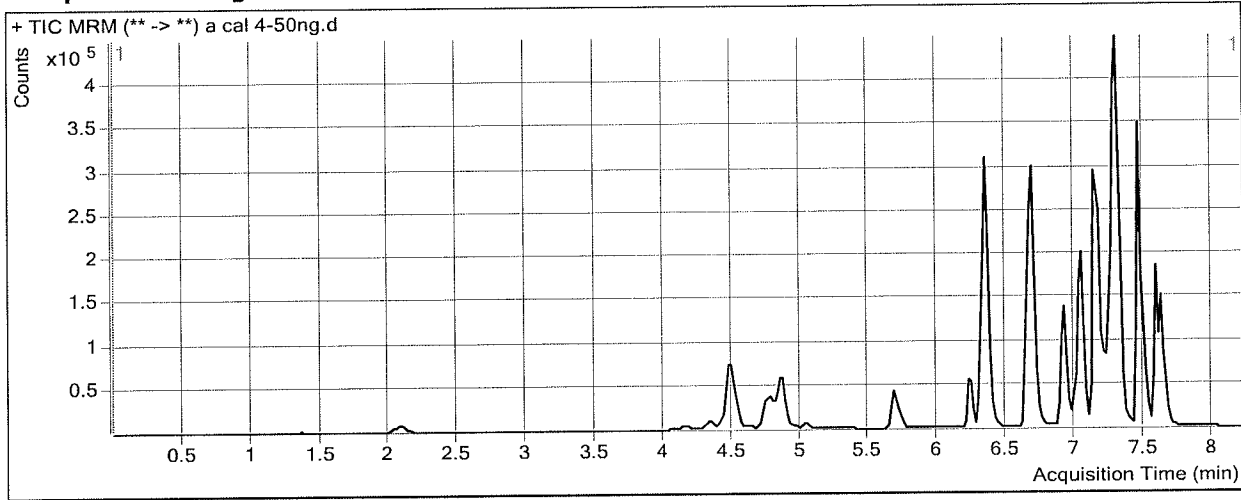
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\03212018 mdq\QuantResults\mdq p1a.batch.bin
Analysis Time 3/22/2018 10:17 AM **Analyst Name** ISP Tox
Report Time 3/22/2018 10:21 AM **Reporter Name** ISP Tox
Last Calib Update 3/22/2018 10:17 AM **Batch State** Processed

Analysis Info

Acq Time 2018-03-21 13:20 **Data File** a cal 4-50ng.d
Sample Type Calibration **Sample Name** a cal 4-50ng
Dilution 1 **Acq Method** Quant Panel 1a 10-17.m
Position P1-D1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Amphetamine	Amphetamine-D11	4.483	187505	39858	4.7044	55.7571
Methamphetamine	Methamphetamine-D11	4.881	151922	110433	1.3757	50.6559
7-aminoclonazepam	7-Aminoclonazepam-D4	6.332	56909	48097	1.1832	53.0955
Tramadol	Tramadol-13C-D3	6.340	446418	444305	1.0048	51.8046
Trazodone	Trazodone-D6	7.235	186940	166736	1.1212	50.4236
Diphenhydramine	Diphenhydramine-D3	7.311	358280	380712	0.9411	50.1541
Clonazepam	Clonazepam-D4	7.502	26445	7139	3.7044	51.7428

ISP FORENSICS - Cd'A Instrument # 62340

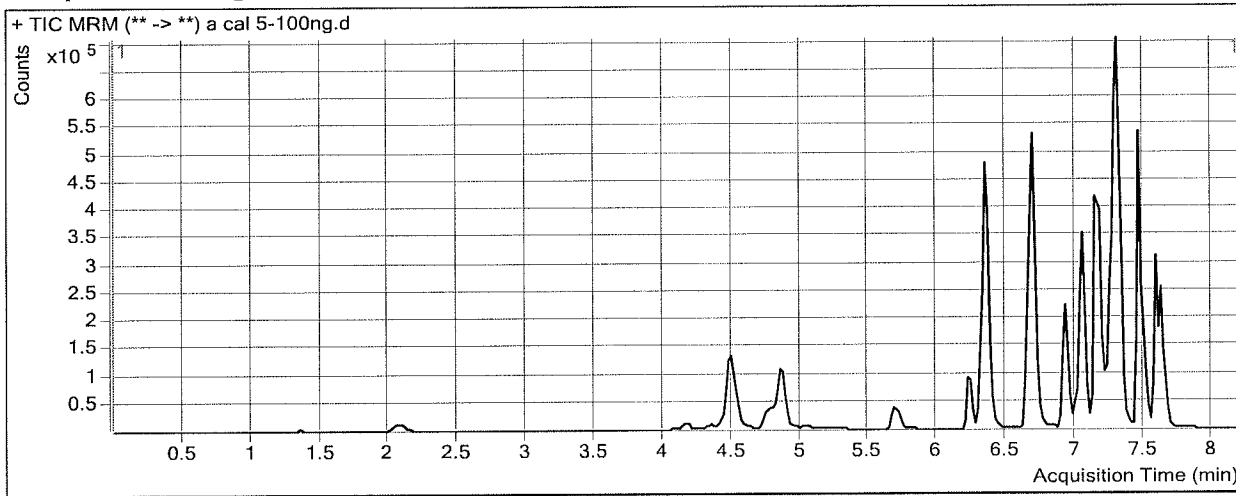
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\03212018 mdq\QuantResults\mdq p1a.batch.bin
Analysis Time 3/22/2018 10:17 AM **Analyst Name** ISP Tox
Report Time 3/22/2018 10:21 AM **Reporter Name** ISP Tox
Last Calib Update 3/22/2018 10:17 AM **Batch State** Processed

Analysis Info

Acq Time 2018-03-21 13:33 **Data File** a cal 5-100ng.d
Sample Type Calibration **Sample Name** a cal 5-100ng
Dilution 1 **Acq Method** Quant Panel 1a 10-17.m
Position P1-E1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Amphetamine	Amphetamine-D11	4.504	312269	38470	8.1172	98.8656
Methamphetamine	Methamphetamine-D11	4.881	292280	102828	2.8424	106.8349
7-aminoclonazepam	7-Aminoclonazepam-D4	6.332	118769	50146	2.3685	107.5808
Tramadol	Tramadol-13C-D3	6.340	906554	449817	2.0154	104.5719
Trazodone	Trazodone-D6	7.235	354441	161635	2.1929	98.5403
Diphenhydramine	Diphenhydramine-D3	7.311	704340	364413	1.9328	103.3379
Clonazepam	Clonazepam-D4	7.502	51444	7703	6.6780	93.0816

ISP FORENSICS - Cd'A Instrument # 62340

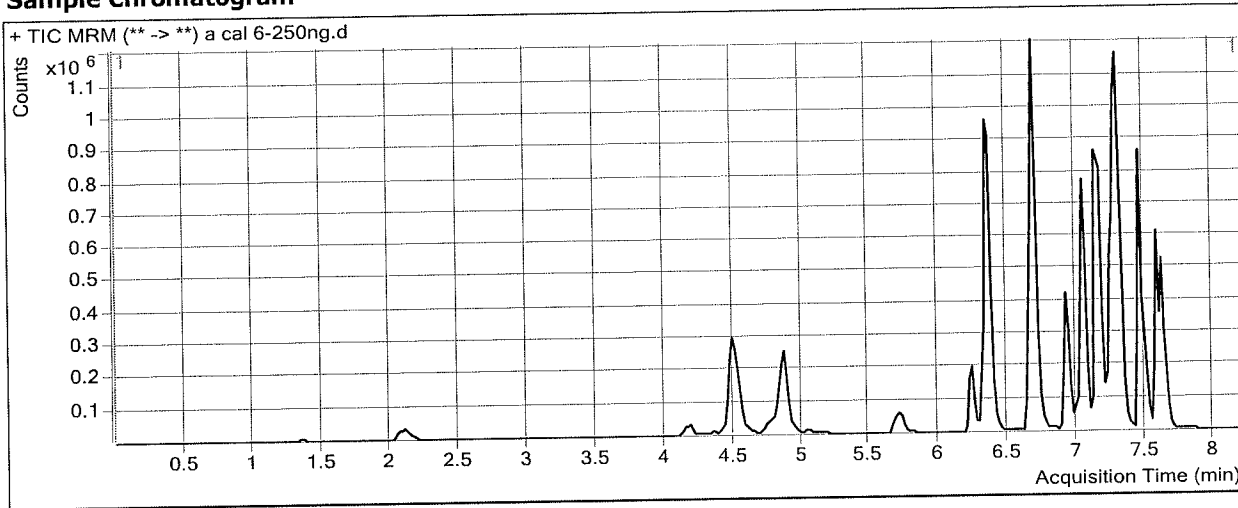
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\03212018 mdq\QuantResults\mdq p1a.batch.bin
Analysis Time 3/22/2018 10:17 AM **Analyst Name** ISP Tox
Report Time 3/22/2018 10:21 AM **Reporter Name** ISP Tox
Last Calib Update 3/22/2018 10:17 AM **Batch State** Processed

Analysis Info

Acq Time 2018-03-21 13:45 **Data File** a cal 6-250ng.d
Sample Type Calibration **Sample Name** a cal 6-250ng
Dilution 1 **Acq Method** Quant Panel 1a 10-17.m
Position P1-F1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Amphetamine	Amphetamine-D11	4.504	774236	37077	20.8819	260.1025
Methamphetamine	Methamphetamine-D11	4.881	659009	101527	6.4910	246.5839
7-aminoclonazepam	7-Aminoclonazepam-D4	6.332	284463	49211	5.7805	264.4286
Tramadol	Tramadol-13C-D3	6.360	2316683	483184	4.7946	249.6824
Trazodone	Trazodone-D6	7.235	805206	145347	5.5399	248.8171
Diphenhydramine	Diphenhydramine-D3	7.311	1274971	262774	4.8520	259.8847
Clonazepam	Clonazepam-D4	7.502	118101	6259	18.8687	262.5570

ISP FORENSICS - Cd'A Instrument # 62340

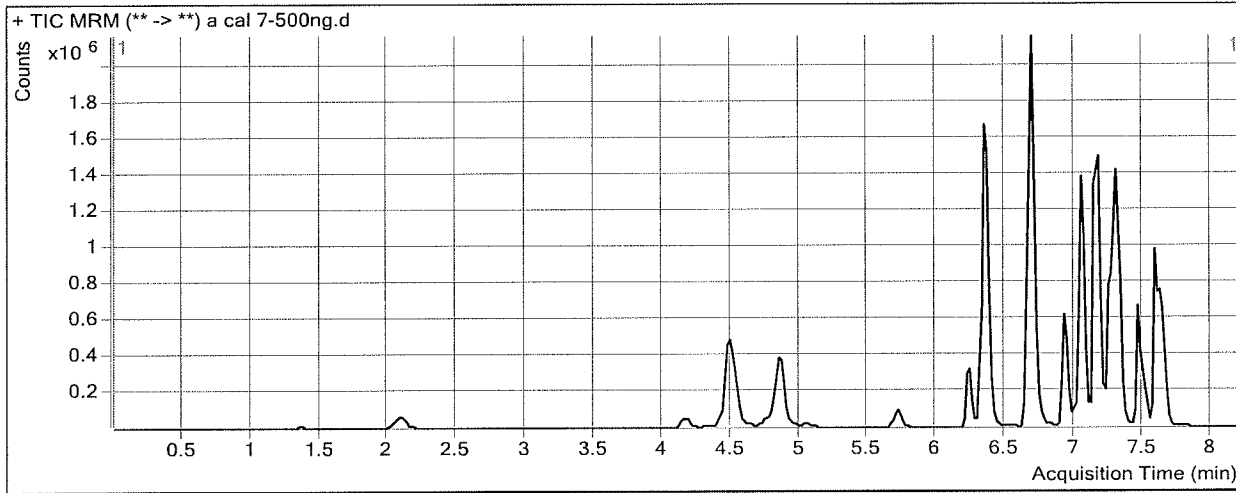
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\03212018 mdq\QuantResults\mdq p1a.batch.bin
Analysis Time 3/22/2018 10:17 AM **Analyst Name** ISP Tox
Report Time 3/22/2018 10:21 AM **Reporter Name** ISP Tox
Last Calib Update 3/22/2018 10:17 AM **Batch State** Processed

Analysis Info

Acq Time 2018-03-21 13:58 **Data File** a cal 7-500ng.d
Sample Type Calibration **Sample Name** a cal 7-500ng
Dilution 1 **Acq Method** Quant Panel 1a 10-17.m
Position P1-G1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Amphetamine	Amphetamine-D11	4.483	1305401	34860	37.4473	469.3463
Methamphetamine	Methamphetamine-D11	4.881	1047470	81628	12.8322	489.4682
7-aminoclonazepam	7-Aminoclonazepam-D4	6.332	483429	43440	11.1287	510.2804
Tramadol	Tramadol-13C-D3	6.340	4387771	460217	9.5341	497.1444
Trazodone	Trazodone-D6	7.235	1213685	107938	11.2443	504.9362
Diphenhydramine	Diphenhydramine-D3	7.311	1790480	176940	10.1191	542.3501
Clonazepam	Clonazepam-D4	7.502	206886	5780	35.7965	497.8881

ISP FORENSICS - Cd'A Instrument # 62340

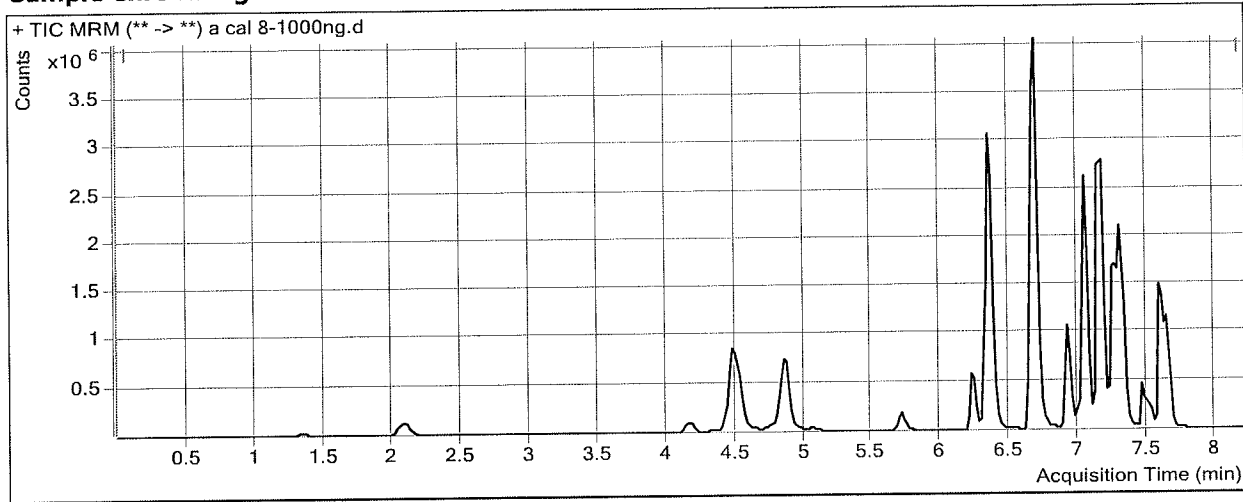
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\03212018 mdq\QuantResults\mdq p1a.batch.bin
Analysis Time 3/22/2018 10:17 AM **Analyst Name** ISP Tox
Report Time 3/22/2018 10:21 AM **Reporter Name** ISP Tox
Last Calib Update 3/22/2018 10:17 AM **Batch State** Processed

Analysis Info

Acq Time 2018-03-21 14:10 **Data File** a cal 8-1000ng.d
Sample Type Calibration **Sample Name** a cal 8-1000ng
Dilution 1 **Acq Method** Quant Panel 1a 10-17.m
Position P1-H1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Amphetamine	Amphetamine-D11	4.483	2382153	34884	68.2869	858.8950
Methamphetamine	Methamphetamine-D11	4.881	2123805	89961	23.6081	902.2096
7-aminoclonazepam	7-Aminoclonazepam-D4	6.332	826043	39311	21.0129	964.6454
Tramadol	Tramadol-13C-D3	6.340	8724830	456676	19.1051	996.8660
Trazodone	Trazodone-D6	7.235	2779891	123137	22.5757	1013.6932
Diphenhydramine	Diphenhydramine-D3	7.311	2700847	150287	17.9713	963.4397
Clonazepam	Clonazepam-D4	7.522	348457	5079	68.6073	954.0235