Worklist: 2372

reviewed

BWylee

LAB CASE	ITEM	TASK ID	DESCRIPTION	
M2018-1374	1	114688	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	||| ||| ||||||||||||||||| ||| |||||||||| |||
M2018-1374	3	114689	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	||| ||| ||||||||||||||||| ||| |||| || || |||
M2018-1395	1	114686	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	||| ||| ||||||||||||||||| |||	||| |||||| |||
M2018-1693	2	114684	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	||| ||| |||||||||||||||| ||||	||||| || |||
P2018-0774	1	114687	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	||| ||| ||||||||||||||||| |||	||||	||| |||
P2018-1001	1	114685	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	||| ||| ||||||||||||||||| |||||||| ||| ||
P2018-1002	1	114683	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	||| ||| ||||||||||||||||| |||||| || ||||| |||
P2018-1025	1	114681	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	||| ||| ||||||||||||||||| ||| ||| |||||| |||
P2018-1026	1	114682	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	||| ||| ||||||||||||||||| || ||| ||| || |||
P2018-1027	1	114680	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	||| ||| ||||||||||||||||| ||| |||| ||| || |||
P2018-1030	1	114679	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	||| ||| ||||||||||||||||| ||||	||| || |||
P2018-1032	1	114677	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	||| ||| ||||||||||||||||| |||| ||| |||| || |||
P2018-1033	1	114678	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	||| ||| ||||||||||||||||| ||||	||||||| |||
P2018-1041	1	114674	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	||| ||| ||||||||||||||||| |||	|| ||| ||||	
P2018-1056	1	114675	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	||| ||| ||||||||||||||||| ||| ||||||||	|||
P2018-1067	1	114673	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	||| ||| ||||||||||||||||| || ||| |||| || |||
P2018-1092	1	114672	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	||| ||| ||||||||||||||||| ||||||| |||	|||
P2018-1097	1	114671	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	||| ||| |||||||||||||||||	|||| ||| || |||
P2018-1102	1	114670	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	||| ||| ||||||||||||||||| ||||| |||||| |||
P2018-1108	1	114676	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	||| ||| ||||||||||||||||| |||||||||||||
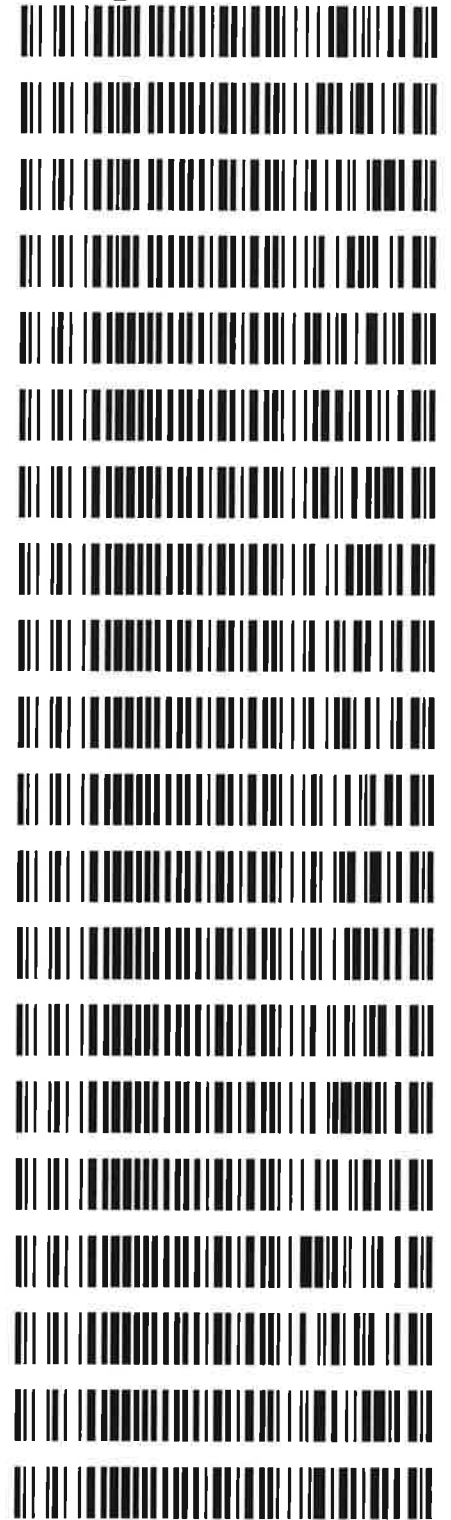
Multi-Drug Quantitation in Blood by LC-MS/M

Extraction Date: 05/01/18   Analyst: Sarah Pickle
Plate lot#: 0507680   Plate Expiration: 06/05/2018

Mobile phase A: 5mM Amm Form + 0.01% FA   **Mobile phase B:** 0.01% Formic Acid in MeOH
   0.5M Ammonium Hydroxide   Ethyl Acetate
   20% Methanol in Water
Blank Blood Lot: 361331-2   **Column**: Agilent 120 EC-C18 (2.1x 100-4um)
LCMS-QQQ ID: 59740

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: #3** in wells of analytical (standards) plate.
☒ 3.   Place on shaking incubator at ambient temp., 900rpm for 15 minutes.   *Shaker ID: 067105*
☒ 4.   Pipette **250µL 0.5M 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: 067104
☒ 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: 067103
☒ 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: *050118 MDQP1 SP*
      Batch Name: *050118 MDQP1a wklst 2372 SP, 050118 MDQP1b wklst 2372 SP*
☒ 2.   Make necessary changes to integration limits
☒ 3.   Integration linear and r^2 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%, S/N for primary transition >10 and secondary transition >5.
☒ 5.   Did all QCs pass for each analyte? Y / N _____
☒ 6.   Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS: *Did not evaluate: Norbuprenorphine, Buprenorphine*
Curve Range Limited: Norhydrocodone 25-1000, Lorazepam 5-100, Norfentanyl 1-100, Fentanyl 1-100, Sertraline 25-1000, Sufentanil 2.5-100

Idaho State Police
Forensic Services

AM #28 Blood Multi-Drug Confirmatory Analysis by LCMS-QQQ

Analyst: Sarah Pickle
Extraction Date: 05/01/18
Worklist Number: 2372

Reagent	Lot Number	Expiration Date	Date in Service	Date Out of Service	Initials
ToxBox Benzo/Opiate Quant Plate	0507680	06/05/2018			
Negative Blood	361331-2		12/27/17		
Methanol External Control Solution	121217	06/12/18	12/12/17		
Blood External Control Solution	WS121217	06/12/18	12/12/17		
0.5M Ammonium Hydroxide	032918	09/29/18	03/29/18		
Formic Acid (LCMS Grade)	095180B		11/15/17		
Water (LCMS Grade)	177528		03/5/18		
Methanol (LCMS Grade)	172517		03/19/18		
Ammonium Formate (LCMS Grade)	A0287238		01/30/17		
Ammonium Hydroxide (ACS grade or better)	053200		08/03/07		
Ethyl Acetate (ACS grade or better)	100362		06/26/17		
20% LCMS Methanol in LCMS Water	050118	Make fresh	05/01/18		
5mM Ammonium Formate + 0.01% Formic Acid in Water (Mobile Phase A)	050118		05/01/18		
0.01% Formic Acid in Methanol (Mobile Phase B)	031918		03/19/18		
Needle Rinse--75% LCMS MeOH in LCMS Water	042418		04/24/18		

Methanol External Control Solution (Lot: 121217)
100 ul each 1 mg/mL stock solution in 9600 ul MeOH

Component	Source	Source Lot Number	Expiration Date
Methanol (LCMS)	Fisher	172516	
Trazodone	Cerilliant	FN12151403	01/01/2020
Ketamine	Cerilliant	FE01131504	02/01/2020
Morphine	Cerilliant	FE08141515	11/01/2020
Quetiapine	Cerilliant	FN02021502	02/01/2020
Prepared:	12/12/17		
Prepared By:	Tamara Salazar		
Expires:	06/12/18		

Blood External Control Solution (Lot: WS121217)

50 ul of methanol external control solution was added to 9950 ul of blood.

Component	Source	Source Lot Number
Negative Blood	Hemostat	361331-2
Methanol External Control Solution		121217
Prepared:	12/12/17	
Prepared by:	Tamara Salazar	
Expires:	06/12/18	

0.5M Ammonium Hydroxide (Lot: 032918)

Component	Source	Source Lot Number
Ammonium Hydroxide (ACS grade or better)	Fisher	053200
DI Water	-	-
Prepared:	03/29/18	
Prepared By:	Tamara Salazar	
Expires:	09/29/18	

20% LCMS Methanol in LCMS Water (Lot: *Prepared Fresh*)

Component	Source	Source Lot Number
MeOH (LCMS Grade)	Fisher	177145
Water (LCMS Grade)	Fisher	177528

5mM Ammonium Formate + 0.01% Formic Acid in Water (Lot: 050118)

Component	Source	Source Lot Number
Ammonium Formate	Arcos Organics	A0287238
LCMS Water	Fisher	177528
Formic Acid	Fisher	095180B
Prepared:	05/01/18	
Prepared By:	Sarah Pickle	

0.01% Formic Acid in LCMS Methanol (Mobile Phase B) (Lot: 031918)

Component	Source	Source Lot Number
Formic Acid	Fisher	095180B
MeOH (LCMS Grade)	Fisher	172517
Prepared:	03/19/18	
Prepared By:	Tamara Salazar	

Needle Rinse (75% LCMS MeOH in LCMS Water) (Lot: 042418)

Component	Source	Source Lot Number
MeOH (LCMS Grade)	Fisher	177145
Water (LCMS Grade)	Fisher	177528
Prepared:	04/24/18	
Prepared By:	Tamara Salazar	

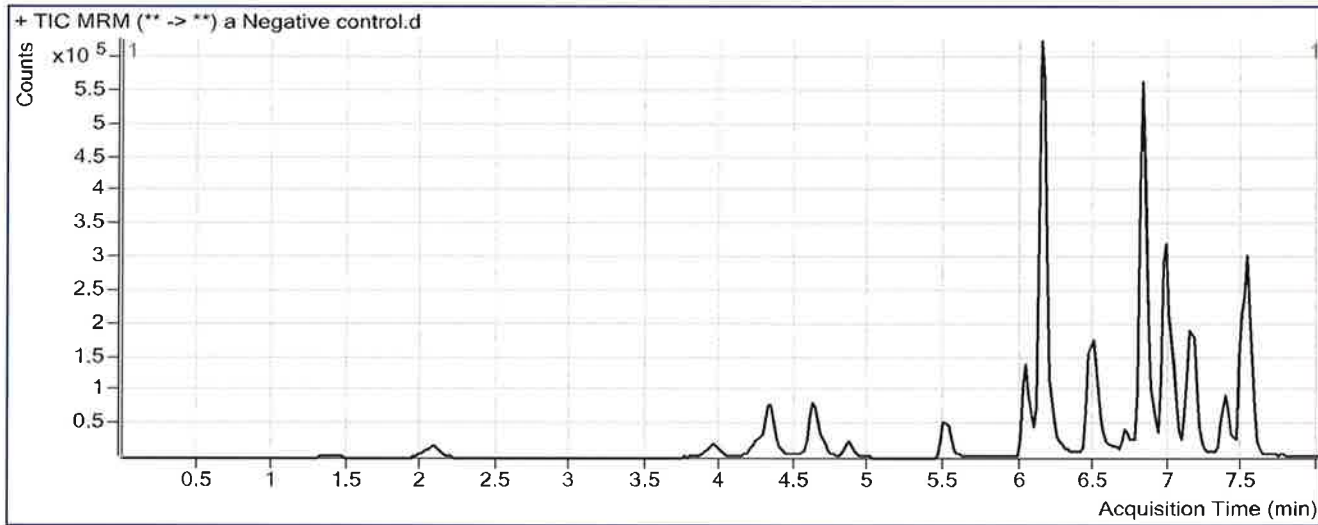**Batch Data Path** C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1a wklst 2372 SP.batch.t

Analysis Time	5/2/2018 9:49 AM	**Analyst Name**	ISPUser
Report Time	5/2/2018 11:19 AM	**Reporter Name**	ISPUser
Last Calib Update	5/2/2018 9:49 AM	**Batch State**	Processed

Analysis Info

Acq Time	2018-05-01 17:21	**Data File**	a Negative control.d
Sample Type	Sample	**Sample Name**	a Negative control
Dilution	1	**Acq Method**	MD Quant Panel 1a 1-19-2018.m
Position	P1-D11	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 worklist 2372

Sample Chromatogram

Results

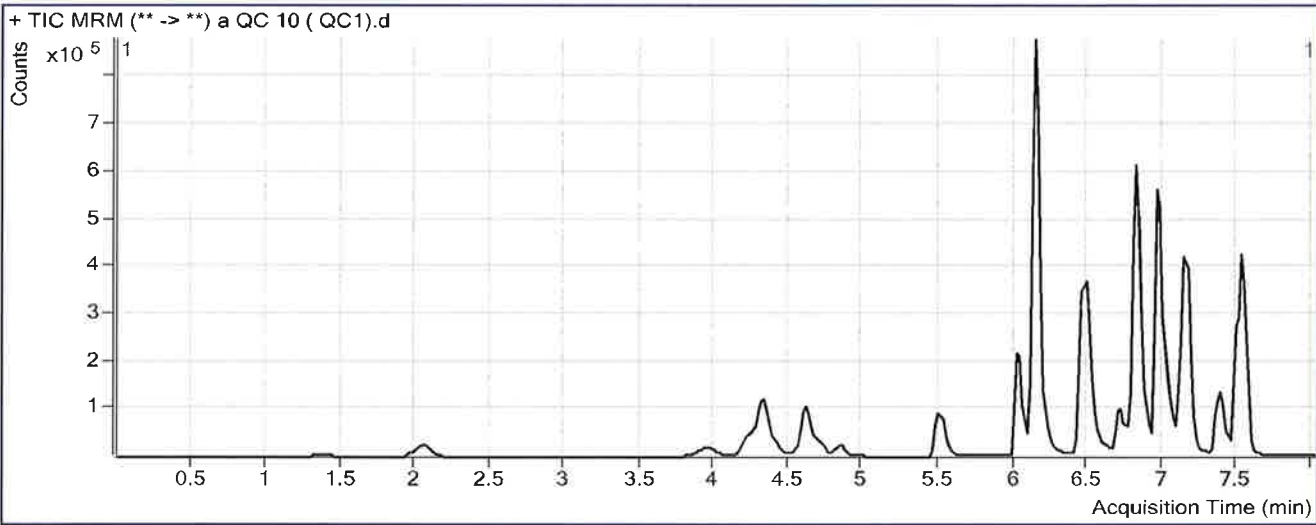| Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Tramadol	Tramadol-13C-D3	6.159	20830	2124588	0.0098	1.1418 <5

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1a wklst 2372 SP.batch.l		
Analysis Time	5/2/2018 9:49 AM	**Analyst Name**	ISPUser
Report Time	5/2/2018 11:19 AM	**Reporter Name**	ISPUser
Last Calib Update	5/2/2018 9:49 AM	**Batch State**	Processed

Analysis Info

Acq Time	2018-05-01 17:52	**Data File**	a External control-50ng mL.d
Sample Type	Sample	**Sample Name**	a External control-50ng mL
Dilution	1	**Acq Method**	MD Quant Panel 1a 1-19-2018.m
Position	P1-C11	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28; WS121217 50 ng trazodone, ketamine, morphine, quetiapine

Sample Chromatogram

+ TIC MRM (** -> **) a External control-50ng mL.d
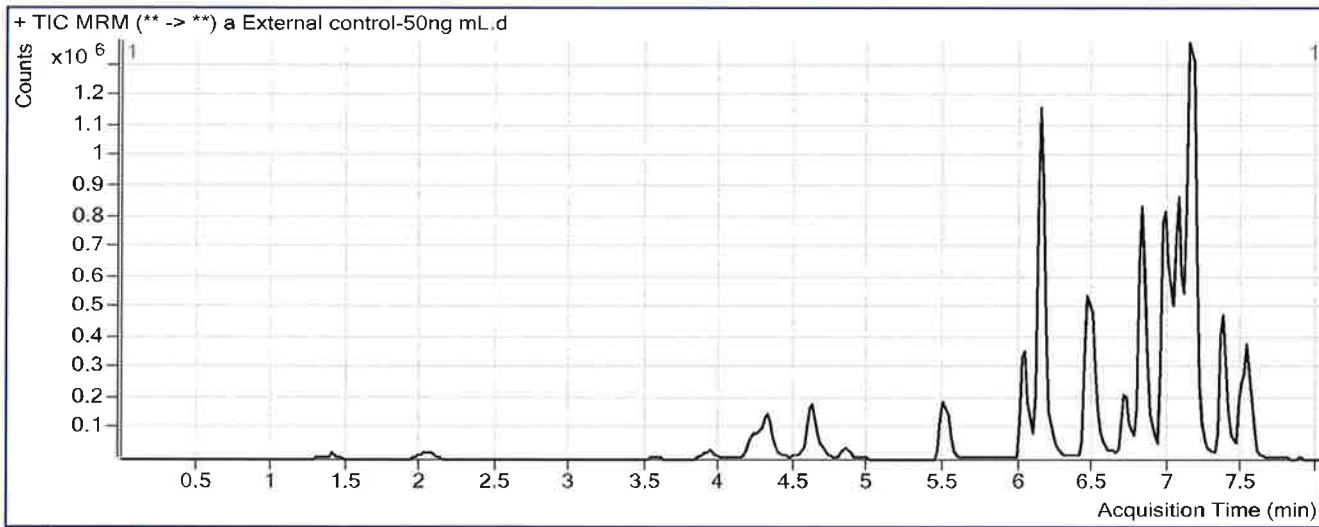
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.388	50805	23643	2.1488	40.5095
Amphetamine	Amphetamine-D11	4.344	65849	379301	0.1736	0.5575 <5
Phentermine	Phentermine-D5	5.526	895	731668	0.0012	1.2783 <5
Tramadol	Tramadol-13C-D3	6.159	21678	3916552	0.0055	0.9464 <5
Trazodone	Trazodone-D6	7.055	1193559	1042250	1.1452	38.1172

ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1a wklst 2372 SP.batch.t		
Analysis Time	5/2/2018 9:49 AM	**Analyst Name**	ISPUser
Report Time	5/2/2018 11:19 AM	**Reporter Name**	ISPUser
Last Calib Update	5/2/2018 9:49 AM	**Batch State**	Processed

Analysis Info

Acq Time	2018-05-01 18:55	**Data File**	a QC 10 (QC1).d
Sample Type	QC	**Sample Name**	a QC 10 (QC1)
Dilution	1	**Acq Method**	MD Quant Panel 1a 1-19-2018.m
Position	P1-H11	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 worklist 2372

Sample Chromatogram

+ TIC MRM (** -> **) a QC 10 (QC1).d

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.388	9843	19463	0.5057	10.4333
Hydromorphone	Hydromorphone-D6	2.089	35807	132783	0.2697	9.7927
Codeine	Codeine-D6	3.992	14999	67379	0.2226	10.7585
Oxycodone	Oxycodone-D6	4.350	121861	465693	0.2617	10.1102
Amphetamine	Amphetamine-D11	4.364	109240	151159	0.7227	9.2456
Hydrocodone	Hydrocodone-D6	4.655	38809	259519	0.1495	9.2017
Norhydrocodone	Norhydrocodone-D3	4.699	2254	56415	0.0399	18.0293 outside curve range
Methamphetamine	Methamphetamine-D11	4.724	71049	194729	0.3649	9.5124
6-MAM	6-MAM-D6	4.869	1786	89496	0.0200	0.7843
Phentermine	Phentermine-D5	5.546	38411	341137	0.1126	10.4681
Dextrorphan	Dextrorphan-D3	6.022	65779	663259	0.0992	9.2175
7-aminoclonazepam	7-Aminoclonazepam-D4	6.134	92756	438197	0.2117	9.5280
Tramadol	Tramadol-13C-D3	6.159	494451	2519007	0.1963	9.6740
Doxylamine	Doxylamine-D5	6.483	237461	1390061	0.1708	10.1095
Bupropion	Bupropion-D9	6.730	59637	258056	0.2311	9.3524
Meprobamate	Meprobamate-D7	6.813	45841	181279	0.2529	9.7696
Zolpidem	Zolpidem-D6	6.842	302021	2018001	0.1497	9.1932
Venlafaxine	Venlafaxine-D6	6.966	347054	1539566	0.2254	10.4333
Trazodone	Trazodone-D6	7.055	68646	270474	0.2538	9.2479
Citalopram	Citalopram-D6	7.118	79276	392535	0.2020	9.8906

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Dextromethorphan	Dextromethorphan-D3	7.150	21348	98425	0.2169	9.3050
Diphenhydramine	Diphenhydramine-D3	7.173	143196	930626	0.1539	9.8645
Promethazine	Promethazine-D3	7.368	55204	233768	0.2361	10.2862
Clonazepam	Clonazepam-D4	7.405	97910	92802	1.0551	9.2600
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.460	20002	107031	0.1869	8.7322
Carisoprodol	Carisoprodol-D7	7.494	100229	460935	0.2174	8.8890
Lorazepam	Alprazolam-D5	7.523	49981	758199	0.0659	9.7279
Alprazolam	Alprazolam-D5	7.547	233462	758199	0.3079	9.9157

**Batch Data Path**   C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1a wklst 2372 SP.batch.l

Analysis Time	5/2/2018 9:49 AM	**Analyst Name**	ISPUser
Report Time	5/2/2018 11:19 AM	**Reporter Name**	ISPUser
Last Calib Update	5/2/2018 9:49 AM	**Batch State**	Processed

Analysis Info

Acq Time	2018-05-01 21:01	**Data File**	a QC 100 (QC2).d
Sample Type	QC	**Sample Name**	a QC 100 (QC2)
Dilution	1	**Acq Method**	MD Quant Panel 1a 1-19-2018.m
Position	P1-G11	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 worklist 2372
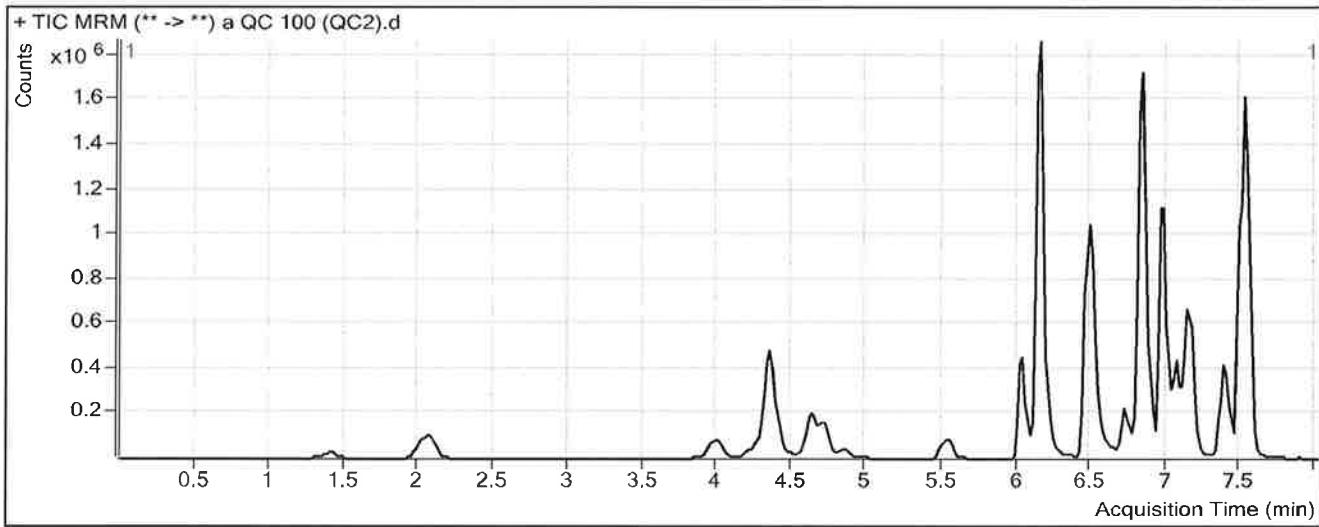
Sample Chromatogram

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.388	99993	19305	5.1795	95.9851
Hydromorphone	Hydromorphone-D6	2.069	356930	120423	2.9640	95.8474
Codeine	Codeine-D6	3.992	133045	58722	2.2657	88.1357
Oxycodone	Oxycodone-D6	4.350	1191335	407031	2.9269	93.3651
Amphetamine	Amphetamine-D11	4.364	603634	88818	6.7963	105.3501
Hydrocodone	Hydrocodone-D6	4.635	367365	226312	1.6233	91.2720
Norhydrocodone	Norhydrocodone-D3	4.699	16415	45998	0.3569	76.5043
Methamphetamine	Methamphetamine-D11	4.724	514147	152899	3.3627	83.9549
6-MAM	6-MAM-D6	4.869	17375	78579	0.2211	9.1887
Phentermine	Phentermine-D5	5.546	237083	238435	0.9943	83.2225
Dextrorphan	Dextrorphan-D3	6.042	486785	449399	1.0832	94.5471
7-aminoclonazepam	7-Aminoclonazepam-D4	6.134	918091	404604	2.2691	96.9268
Tramadol	Tramadol-13C-D3	6.159	3753959	2028717	1.8504	85.3554
Doxylamine	Doxylamine-D5	6.483	1752117	989069	1.7715	91.6954
Bupropion	Bupropion-D9	6.730	315398	127999	2.4641	86.7123
Meprobamate	Meprobamate-D7	6.833	415674	159501	2.6061	99.5121
Zolpidem	Zolpidem-D6	6.842	3325573	1931408	1.7218	92.3797
Venlafaxine	Venlafaxine-D6	6.986	2327779	1024008	2.2732	87.7927
Trazodone	Trazodone-D6	7.055	614635	211126	2.9112	95.3150
Citalopram	Citalopram-D6	7.118	446357	214737	2.0786	93.1500

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Dextromethorphan	Dextromethorphan-D3	7.150	127608	53891	2.3679	89.0960
Diphenhydramine	Diphenhydramine-D3	7.173	776149	452942	1.7136	93.1926
Promethazine	Promethazine-D3	7.368	368148	162162	2.2702	80.5073
Clonazepam	Clonazepam-D4	7.405	839701	72889	11.5202	96.6145
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.460	186415	97096	1.9199	83.5626
Carisoprodol	Carisoprodol-D7	7.494	1071689	432472	2.4781	97.0828
Lorazepam	Alprazolam-D5	7.523	336931	699301	0.4818	80.0218
Alprazolam	Alprazolam-D5	7.527	2158742	699301	3.0870	90.6048

ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1a wklst 2372 SP.batch.l		
Analysis Time	5/2/2018 9:49 AM	**Analyst Name**	ISPUser
Report Time	5/2/2018 11:20 AM	**Reporter Name**	ISPUser
Last Calib Update	5/2/2018 9:49 AM	**Batch State**	Processed

Analysis Info

Acq Time	2018-05-01 23:22	**Data File**	a QC 250 (QC 3).d
Sample Type	QC	**Sample Name**	a QC 250 (QC 3)
Dilution	1	**Acq Method**	MD Quant Panel 1a 1-19-2018.m
Position	P1-F11	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 worklist 2372
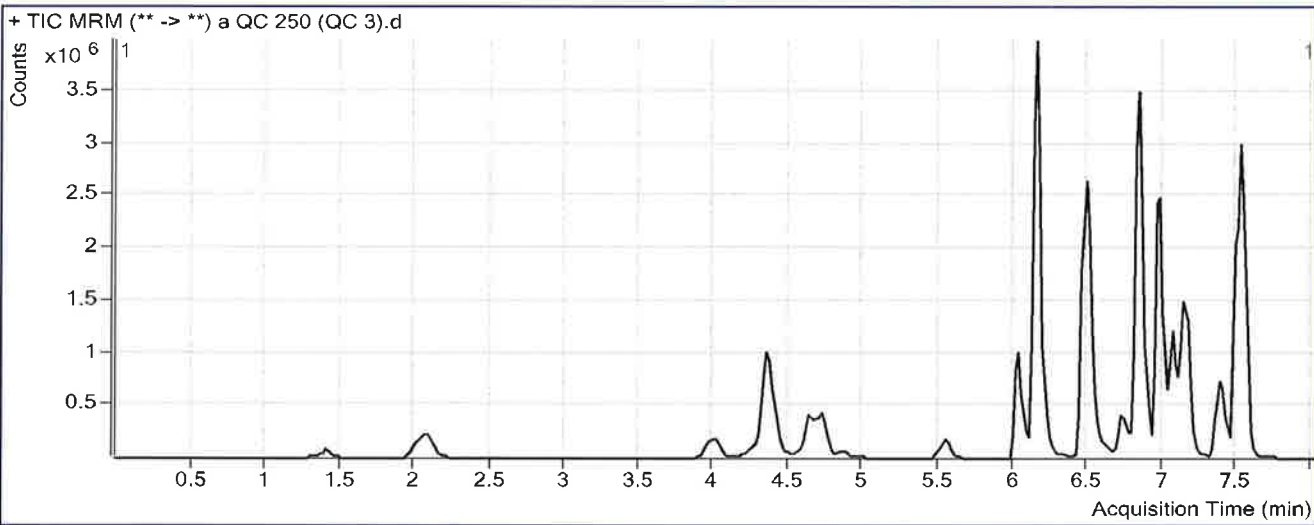
Sample Chromatogram

+ TIC MRM (** -> **) a QC 250 (QC 3).d

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.408	218595	19622	11.1403	205.0943
Hydromorphone	Hydromorphone-D6	2.089	848737	109590	7.7447	248.5396
Codeine	Codeine-D6	4.013	304484	49981	6.0919	233.0467
Oxycodone	Oxycodone-D6	4.350	2594032	347328	7.4685	235.2351
Amphetamine	Amphetamine-D11	4.364	1412066	89349	15.8038	247.8800
Hydrocodone	Hydrocodone-D6	4.655	865557	195140	4.4356	247.8866
Norhydrocodone	Norhydrocodone-D3	4.699	43663	37884	1.1526	223.3273
Methamphetamine	Methamphetamine-D11	4.724	1290955	157588	8.1919	203.8770
6-MAM	6-MAM-D6	4.869	40744	72630	0.5610	23.3877
Phentermine	Phentermine-D5	5.546	641231	232707	2.7555	228.5449
Dextrorphan	Dextrorphan-D3	6.042	1283676	446113	2.8775	250.1390
7-aminoclonazepam	7-Aminoclonazepam-D4	6.134	2151214	361013	5.9588	253.6644
Tramadol	Tramadol-13C-D3	6.159	10307098	1848955	5.5746	255.7470
Doxylamine	Doxylamine-D5	6.483	4207547	1000932	4.2036	215.6630
Bupropion	Bupropion-D9	6.730	695611	102391	6.7937	236.7079
Meprobamate	Meprobamate-D7	6.833	909485	145199	6.2637	239.0003
Zolpidem	Zolpidem-D6	6.842	7927781	1735714	4.5674	242.9456
Venlafaxine	Venlafaxine-D6	6.986	6291231	1014514	6.2012	236.1824
Trazodone	Trazodone-D6	7.055	1727004	227227	7.6003	247.1832
Citalopram	Citalopram-D6	7.118	1262732	232114	5.4401	242.2867

ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report 9 QC 250

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Dextromethorphan	Dextromethorphan-D3	7.150	343864	49026	7.0139	261.4416
Diphenhydramine	Diphenhydramine-D3	7.173	2034076	444681	4.5742	246.0258
Promethazine	Promethazine-D3	7.368	1028973	153941	6.6842	232.8863
Clonazepam	Clonazepam-D4	7.405	1503878	56672	26.5365	221.9571
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.460	386715	70835	5.4594	236.3946
Carisoprodol	Carisoprodol-D7	7.494	2104822	372481	5.6508	220.8631
Lorazepam	Alprazolam-D5	7.503	558868	539192	1.0365	173.7743 *outside curve range*
Alprazolam	Alprazolam-D5	7.527	4515450	539192	8.3745	244.1239

ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report
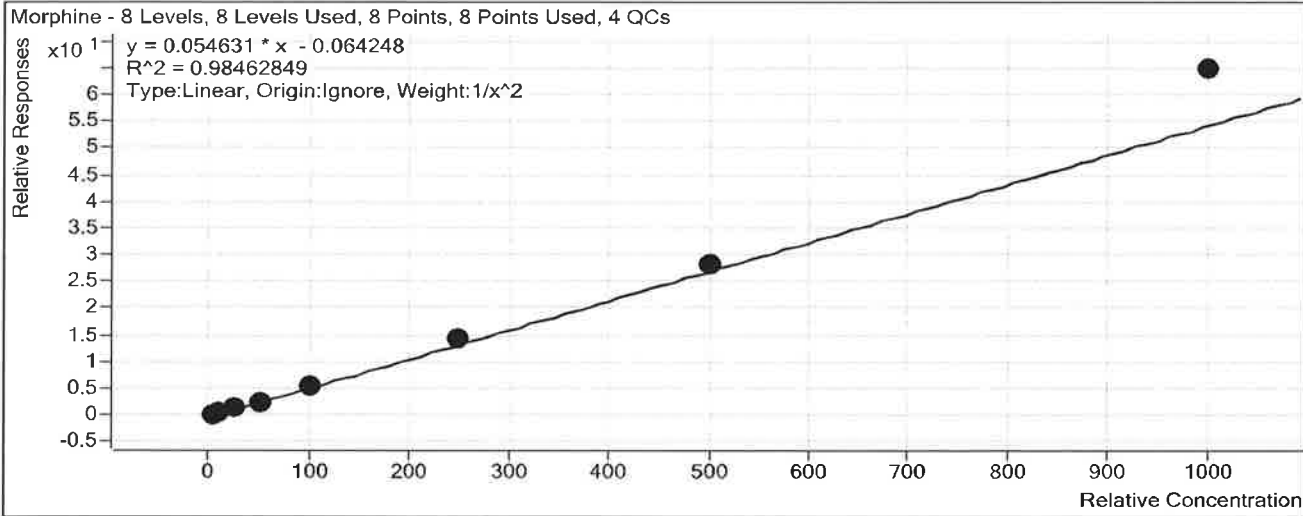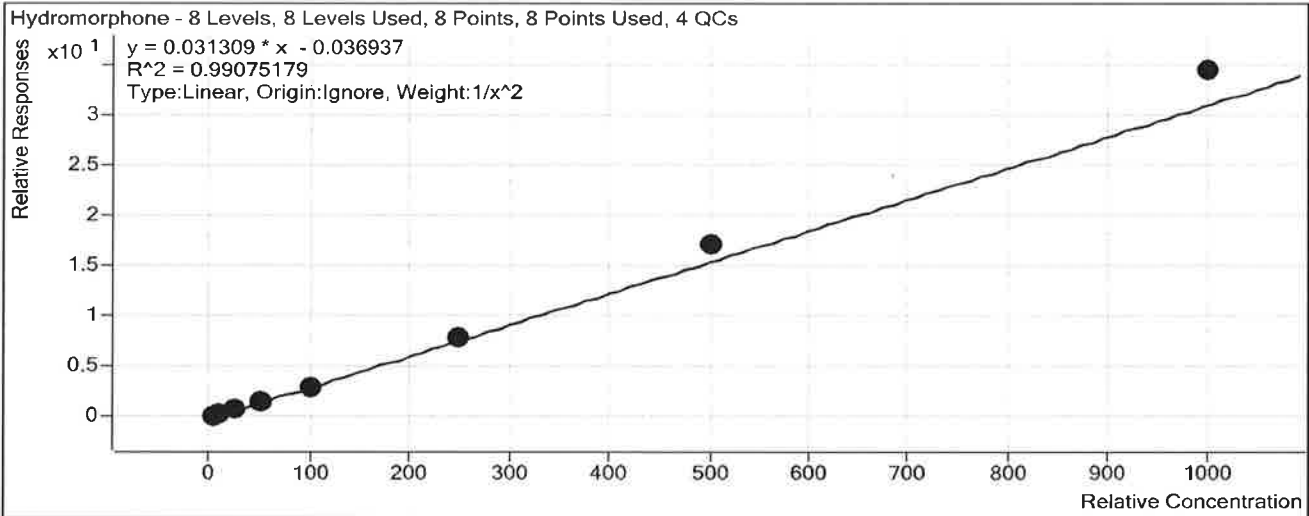
Batch Data Path   C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1a wklst 2372 SP.batch.b

Analysis Time	5/2/2018 9:49 AM	**Analyst Name**	ISPUser
Report Time	5/2/2018 11:20 AM	**Reporter Name**	ISPUser
Last Calib Update	5/2/2018 9:49 AM	**Batch State**	Processed

Analysis Info

Acq Time	2018-05-02 01:59	**Data File**	a QC 1000 (QC 4).d
Sample Type	QC	**Sample Name**	a QC 1000 (QC 4)
Dilution	1	**Acq Method**	MD Quant Panel 1a 1-19-2018.m
Position	P1-E11	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 worklist 2372
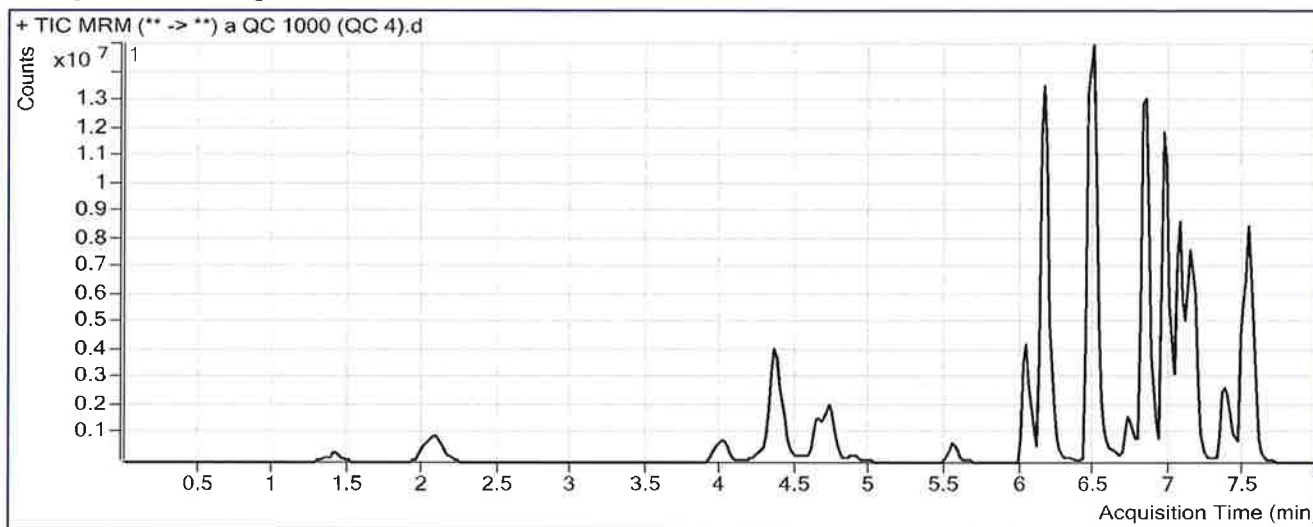
Sample Chromatogram

+ TIC MRM (** -> **) a QC 1000 (QC 4).d

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.408	1044848	21021	49.7048	911.0021
Hydromorphone	Hydromorphone-D6	2.089	3931419	120228	32.6996	1045.5877
Codeine	Codeine-D6	3.992	1254523	47869	26.2074	994.8773
Oxycodone	Oxycodone-D6	4.350	12560054	386999	32.4550	1015.7527
Amphetamine	Amphetamine-D11	4.364	5259771	85266	61.6864	973.8953
Hydrocodone	Hydrocodone-D6	4.635	3805433	228413	16.6603	928.6700
Norhydrocodone	Norhydrocodone-D3	4.699	206181	29789	6.9213	1287.7650
Methamphetamine	Methamphetamine-D11	4.724	6761472	173123	39.0558	970.2986
6-MAM	6-MAM-D6	4.869	199920	79751	2.5068	104.6801
Phentermine	Phentermine-D5	5.546	2936097	240410	12.2129	1008.8998
Dextrorphan	Dextrorphan-D3	6.042	6063259	499462	12.1396	1053.3093
7-aminoclonazepam	7-Aminoclonazepam-D4	6.134	6651612	298055	22.3167	948.5402
Tramadol	Tramadol-13C-D3	6.159	45931692	2167263	21.1934	970.3600
Doxylamine	Doxylamine-D5	6.483	25753086	1318272	19.5355	997.1337
Bupropion	Bupropion-D9	6.730	2811726	93364	30.1157	1044.6852
Meprobamate	Meprobamate-D7	6.833	2938688	109968	26.7230	1019.2389
Zolpidem	Zolpidem-D6	6.842	36015796	1892682	19.0290	1008.1294
Venlafaxine	Venlafaxine-D6	6.966	33406410	1252711	26.6673	1009.3336
Trazodone	Trazodone-D6	7.055	12774217	376368	33.9408	1100.2823
Citalopram	Citalopram-D6	7.118	7607736	311439	24.4277	1084.6860

ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report a QC 1000

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Dextromethorphan	Dextromethorphan-D3	7.150	1977939	71050	27.8387	1033.9353
Diphenhydramine	Diphenhydramine-D3	7.173	11554854	578790	19.9638	1068.2246
Promethazine	Promethazine-D3	7.348	6704345	243941	27.4834	950.9165
Clonazepam	Clonazepam-D4	7.405	4050178	34780	116.4508	972.4859
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.460	1398969	59199	23.6317	1021.0599
Carisoprodol	Carisoprodol-D7	7.494	6697725	241310	27.7557	1083.2468 outside
Lorazepam	Alprazolam-D5	7.503	1708310	410102	4.1656	702.6533 curve
Alprazolam	Alprazolam-D5	7.527	14723534	410102	35.9021	1043.3741 range β

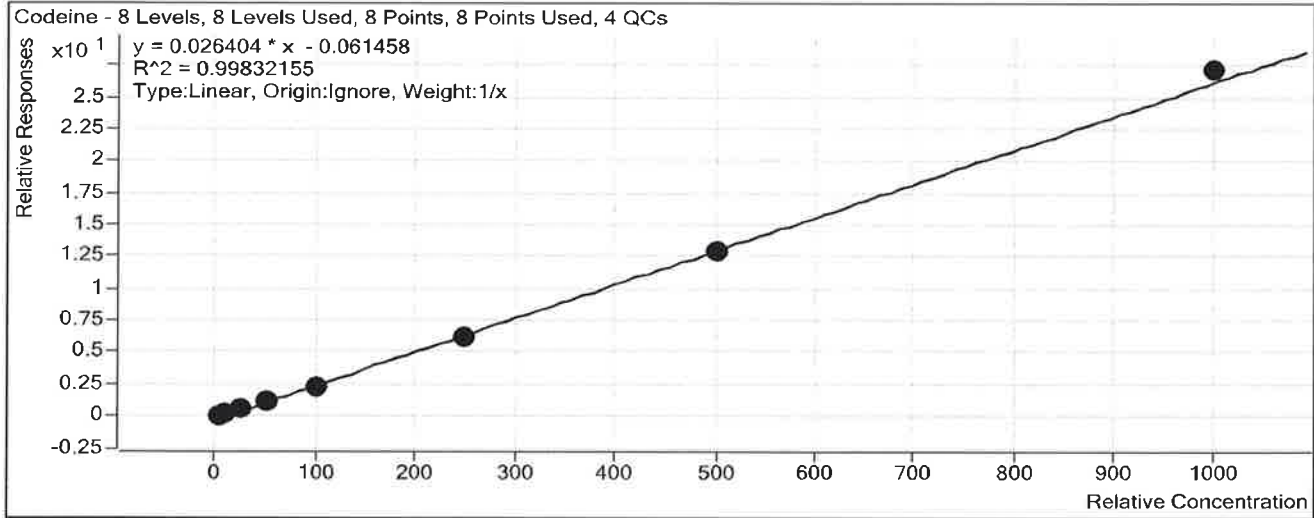|			
Batch Data Path	C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1a wklst 2372 SP.batch.bin		
Last Calib Update	5/2/2018 9:49 AM	**Analyst Name**	ISP TOX

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

Morphine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.054631 * x - 0.064248$
$R^2 = 0.98462849$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	☑	5	5.4	107.9
a cal 2-10ng	2	☑	10	9.1	90.7
a QC 10 (QC1)	2	☑	10	10.4	104.3
a cal 3-25ng	3	☑	25	22.5	89.9
a cal 4-50ng	4	☑	50	43.2	86.4
a cal 5-100ng	5	☑	100	98.0	98.0
a QC 100 (QC2)	5	☑	100	96.0	96.0
a cal 6-250ng	6	☑	250	261.6	104.6
a QC 250 (QC 3)	6	☑	250	205.1	82.0
a cal 7-500ng	7	☑	500	519.4	103.9
a cal 8-1000ng	8	☑	1000	1186.2	118.6
a QC 1000 (QC 4)	8	☑	1000	911.0	91.1

Batch Data Path   C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1a wklst 2372 SP.batch.bin

Last Calib Update   5/2/2018 9:49 AM   **Analyst Name**   ISP TOX

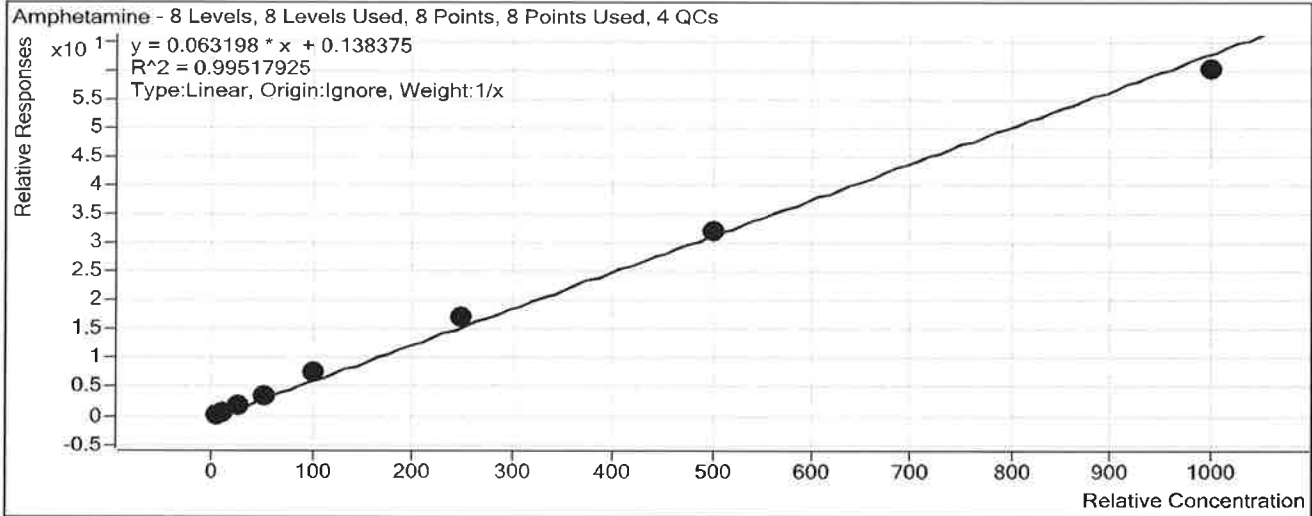### *Target Compound*   *Hydromorphone*
Internal Standard   *Hydromorphone-D6*

Hydromorphone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.031309 * x - 0.036937$
$R^2 = 0.99075179$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	☑	5	5.3	106.0
a cal 2-10ng	2	☑	10	9.4	93.7
a QC 10 (QC1)	2	☑	10	9.8	97.9
a cal 3-25ng	3	☑	25	22.6	90.3
a cal 4-50ng	4	☑	50	45.2	90.3
a cal 5-100ng	5	☑	100	96.9	96.9
a QC 100 (QC2)	5	☑	100	95.8	95.8
a cal 6-250ng	6	☑	250	255.6	102.2
a QC 250 (QC 3)	6	☑	250	248.5	99.4
a cal 7-500ng	7	☑	500	551.5	110.3
a cal 8-1000ng	8	☑	1000	1103.2	110.3
a QC 1000 (QC 4)	8	☑	1000	1045.6	104.6

Calibration Curve Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1a wklst 2372 SP.batch.bin
Last Calib Update	5/2/2018 9:49 AM

Analyst Name   ISP TOX

Target Compound   *Codeine*
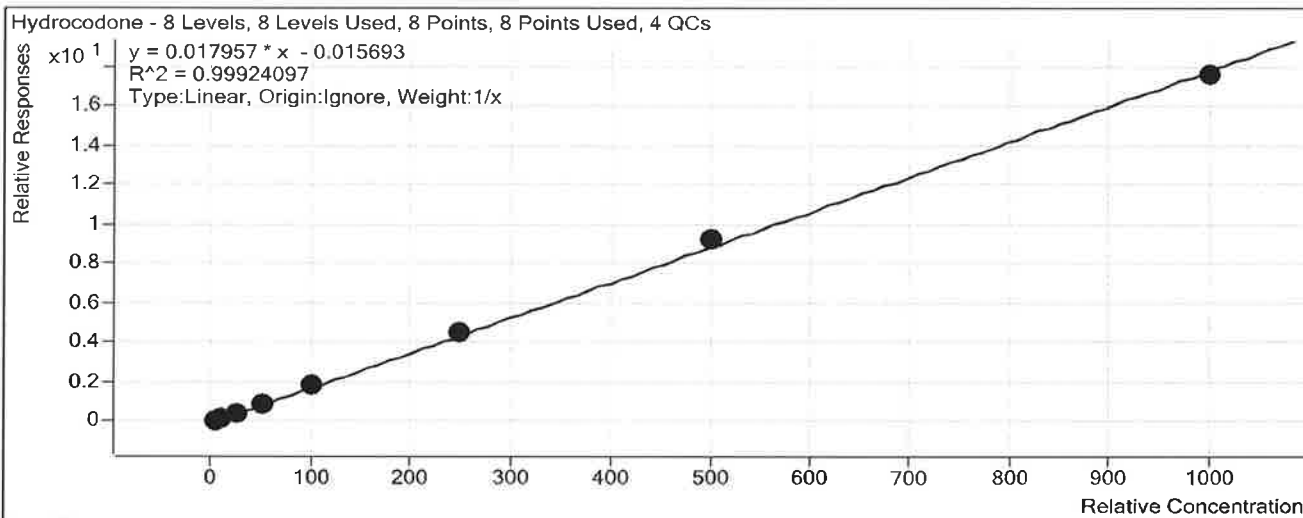*Internal Standard*   *Codeine-D6*

Codeine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.026404 * x - 0.061458$
$R^2 = 0.99832155$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	☑	5	6.4	127.3
a cal 2-10ng	2	☑	10	10.1	100.9
a QC 10 (QC1)	2	☑	10	10.8	107.6
a cal 3-25ng	3	☑	25	22.5	90.0
a cal 4-50ng	4	☑	50	46.6	93.1
a cal 5-100ng	5	☑	100	90.5	90.5
a QC 100 (QC2)	5	☑	100	88.1	88.1
a cal 6-250ng	6	☑	250	241.0	96.4
a QC 250 (QC 3)	6	☑	250	233.0	93.2
a cal 7-500ng	7	☑	500	494.4	98.9
a cal 8-1000ng	8	☑	1000	1028.6	102.9
a QC 1000 (QC 4)	8	☑	1000	994.9	99.5

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1a wklst 2372 SP.batch.bin	
Last Calib Update	5/2/2018 9:49 AM **Analyst Name** ISP TOX	

Target Compound *Oxycodone*
Internal Standard *Oxycodone-D6*

Oxycodone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.032013 * x - 0.061979$
$R^2 = 0.99928692$
Type:Linear, Origin:Ignore, Weight:1/x
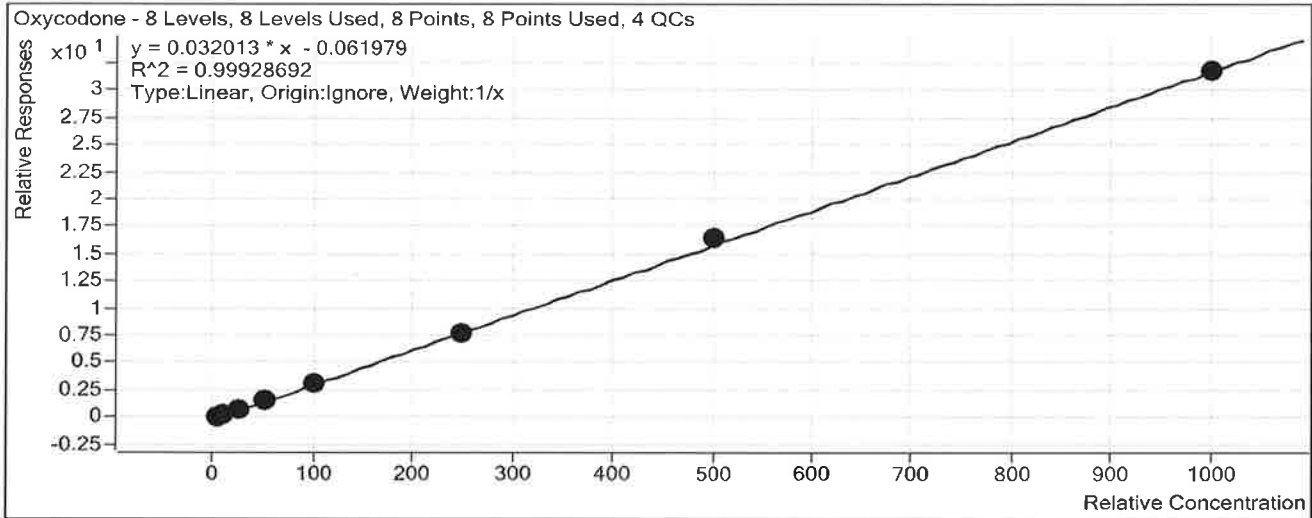
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	☑	5	5.6	112.2
a cal 2-10ng	2	☑	10	9.8	97.8
a QC 10 (QC1)	2	☑	10	10.1	101.1
a cal 3-25ng	3	☑	25	23.9	95.6
a cal 4-50ng	4	☑	50	48.5	97.0
a cal 5-100ng	5	☑	100	97.4	97.4
a QC 100 (QC2)	5	☑	100	93.4	93.4
a cal 6-250ng	6	☑	250	242.1	96.8
a QC 250 (QC 3)	6	☑	250	235.2	94.1
a cal 7-500ng	7	☑	500	519.1	103.8
a cal 8-1000ng	8	☑	1000	993.6	99.4
a QC 1000 (QC 4)	8	☑	1000	1015.8	101.6

ISP Forensics
Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1a wklst 2372 SP.batch.bin

Last Calib Update 5/2/2018 9:49 AM   **Analyst Name**   ISP TOX

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

Amphetamine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.063198 * x + 0.138375$
$R^2 = 0.99517925$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	☑	5	4.1	81.5
a cal 2-10ng	2	☑	10	8.4	84.3
a QC 10 (QC1)	2	☑	10	9.2	92.5
a cal 3-25ng	3	☑	25	26.9	107.8
a cal 4-50ng	4	☑	50	51.3	102.6
a cal 5-100ng	5	☑	100	117.8	117.8
a QC 100 (QC2)	5	☑	100	105.4	105.4
a cal 6-250ng	6	☑	250	273.5	109.4
a QC 250 (QC 3)	6	☑	250	247.9	99.2
a cal 7-500ng	7	☑	500	507.6	101.5
a cal 8-1000ng	8	☑	1000	950.3	95.0
a QC 1000 (QC 4)	8	☑	1000	973.9	97.4

ISP Forensics
Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1a wklst 2372 SP.batch.bin

Last Calib Update 5/2/2018 9:49 AM   **Analyst Name**   ISP TOX

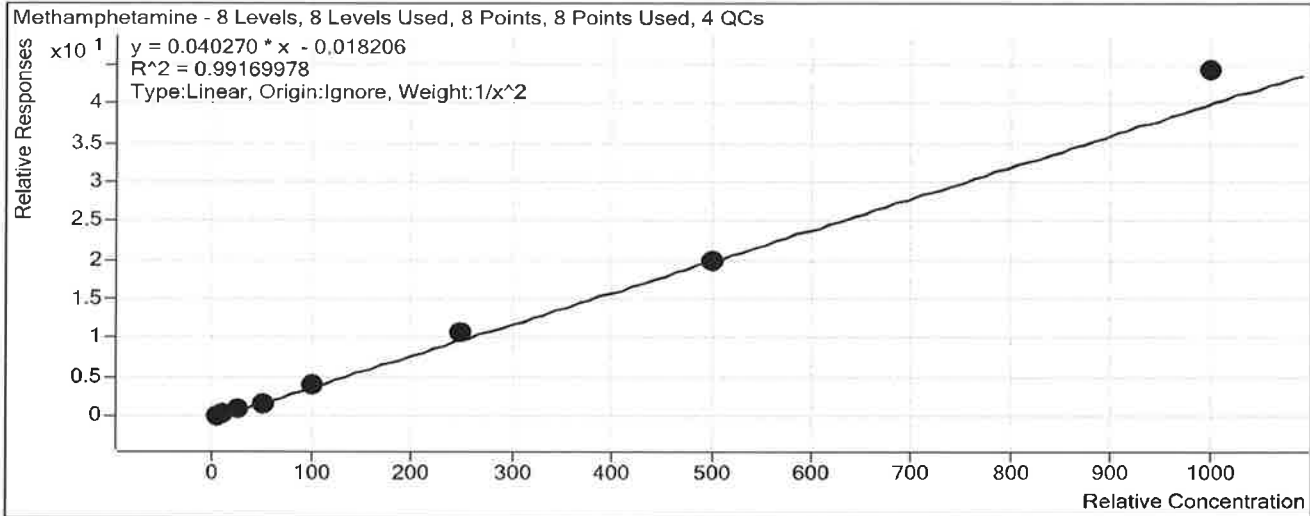**Target Compound**   *Hydrocodone*
Internal Standard   *Hydrocodone-D6*

Hydrocodone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.017957 * x - 0.015693$
$R^2 = 0.99924097$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	☑	5	5.4	107.5
a cal 2-10ng	2	☑	10	9.6	96.1
a QC 10 (QC1)	2	☑	10	9.2	92.0
a cal 3-25ng	3	☑	25	23.4	93.5
a cal 4-50ng	4	☑	50	49.7	99.4
a cal 5-100ng	5	☑	100	101.2	101.2
a QC 100 (QC2)	5	☑	100	91.3	91.3
a cal 6-250ng	6	☑	250	251.0	100.4
a QC 250 (QC 3)	6	☑	250	247.9	99.2
a cal 7-500ng	7	☑	500	519.7	103.9
a cal 8-1000ng	8	☑	1000	980.1	98.0
a QC 1000 (QC 4)	8	☑	1000	928.7	92.9

ISP Forensics
Calibration Curve Report

Batch Data Path　　C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1a wklst 2372 SP.batch.bin

Last Calib Update　　5/2/2018 9:49 AM　　　　**Analyst Name**　　ISP TOX

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

Norhydrocodone - 8 Levels, 6 Levels Used, 8 Points, 6 Points Used, 4 QCs

$y = 0.005420 * x - 0.057764$
$R^2 = 0.98015996$
Type:Linear, Origin:Ignore, Weight:1/x^2
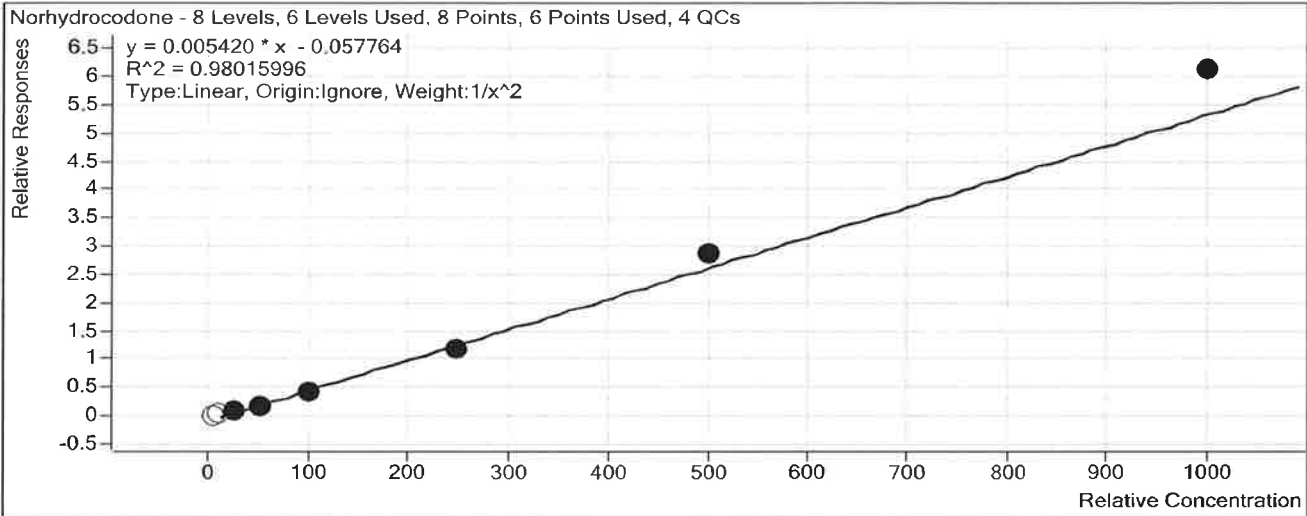
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	☐	5	14.2	283.5
a cal 2-10ng	2	☐	10	18.4	183.7
a QC 10 (QC1)	2	☑	10	18.0	180.3
a cal 3-25ng	3	☑	25	27.1	108.5
a cal 4-50ng	4	☑	50	44.6	89.2
a cal 5-100ng	5	☑	100	87.4	87.4
a QC 100 (QC2)	5	☑	100	76.5	76.5
a cal 6-250ng	6	☑	250	233.1	93.3
a QC 250 (QC 3)	6	☑	250	223.3	89.3
a cal 7-500ng	7	☑	500	539.0	107.8
a cal 8-1000ng	8	☑	1000	1139.0	113.9
a QC 1000 (QC 4)	8	☐	1000	1287.8	128.8

ISP Forensics
Calibration Curve Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1a wklst 2372 SP.batch.bin
Last Calib Update	5/2/2018 9:49 AM

Analyst Name   ISP TOX

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

Methamphetamine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.040270 * x - 0.018206$
$R^2 = 0.99169978$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	☑	5	5.2	103.0
a cal 2-10ng	2	☑	10	9.8	98.1
a QC 10 (QC1)	2	☑	10	9.5	95.1
a cal 3-25ng	3	☑	25	24.0	96.2
a cal 4-50ng	4	☑	50	41.9	83.8
a cal 5-100ng	5	☑	100	102.8	102.8
a QC 100 (QC2)	5	☑	100	84.0	84.0
a cal 6-250ng	6	☑	250	267.2	106.9
a QC 250 (QC 3)	6	☑	250	203.9	81.6
a cal 7-500ng	7	☑	500	497.1	99.4
a cal 8-1000ng	8	☑	1000	1098.6	109.9
a QC 1000 (QC 4)	8	☑	1000	970.3	97.0

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1a wklst 2372 SP.batch.bin		
Last Calib Update	5/2/2018 9:49 AM	**Analyst Name**	ISP TOX

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

6-MAM - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.023936 * x + 0.001177$
$R^2 = 0.98626830$
Type:Linear, Origin:Ignore, Weight:$1/x^2$
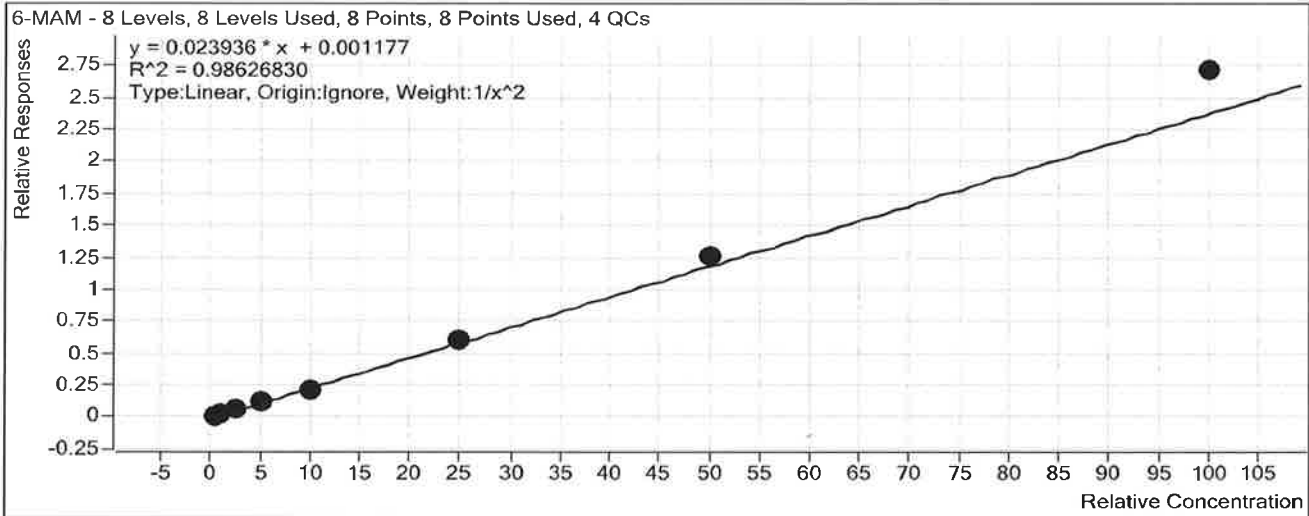
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	☑	0.5	0.5	96.4
a cal 2-10ng	2	☑	1	1.1	114.0
a QC 10 (QC1)	2	☑	1	0.8	78.4
a cal 3-25ng	3	☑	2.5	2.3	90.1
a cal 4-50ng	4	☑	5	4.5	89.8
a cal 5-100ng	5	☑	10	8.9	89.3
a QC 100 (QC2)	5	☑	10	9.2	91.9
a cal 6-250ng	6	☑	25	25.4	101.5
a QC 250 (QC 3)	6	☑	25	23.4	93.6
a cal 7-500ng	7	☑	50	52.8	105.7
a cal 8-1000ng	8	☑	100	113.3	113.3
a QC 1000 (QC 4)	8	☑	100	104.7	104.7

Batch Data Path   C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1a wklst
2372 SP.batch.bin

Last Calib Update   5/2/2018 9:49 AM   **Analyst Name**   ISP TOX

Target Compound   *Phentermine*
Internal Standard   *Phentermine-D5*

Phentermine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.012119 * x - 0.014269$
$R^2 = 0.99855275$
Type:Linear, Origin:Ignore, Weight:1/x
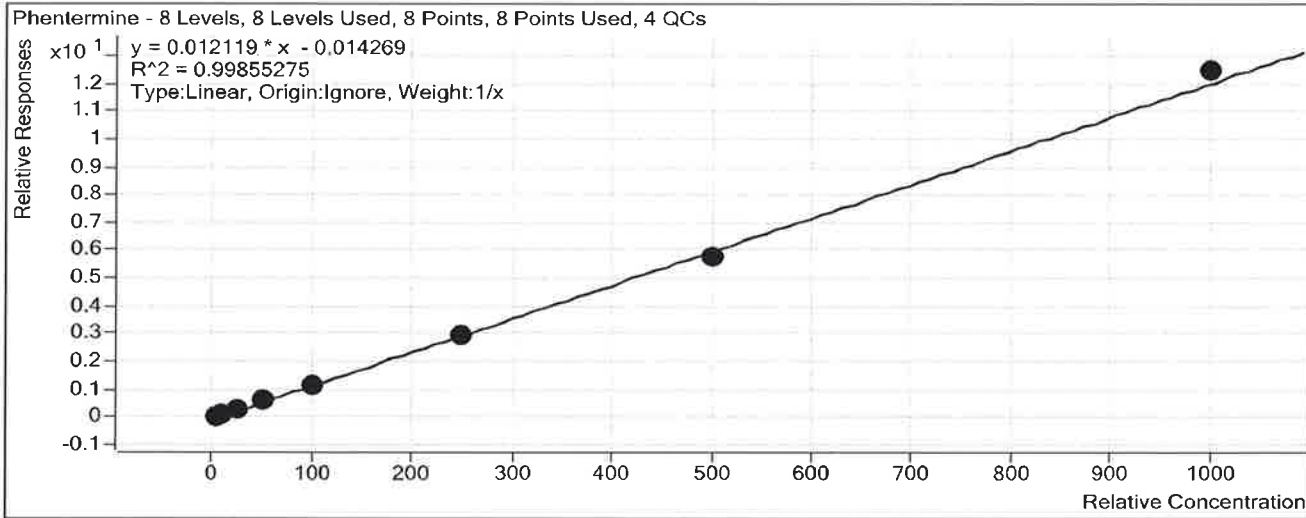
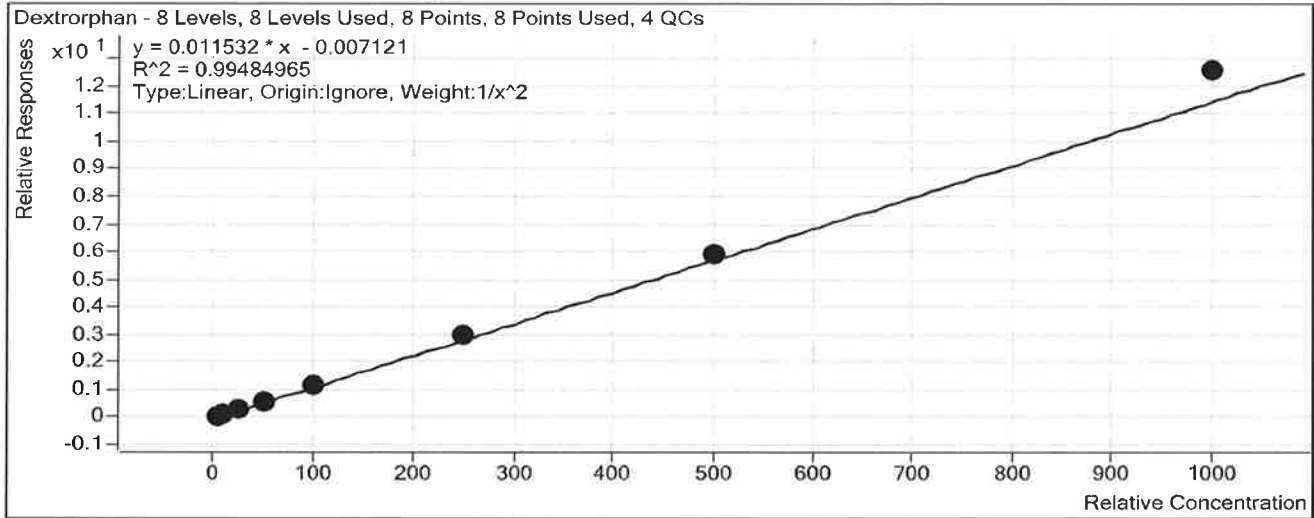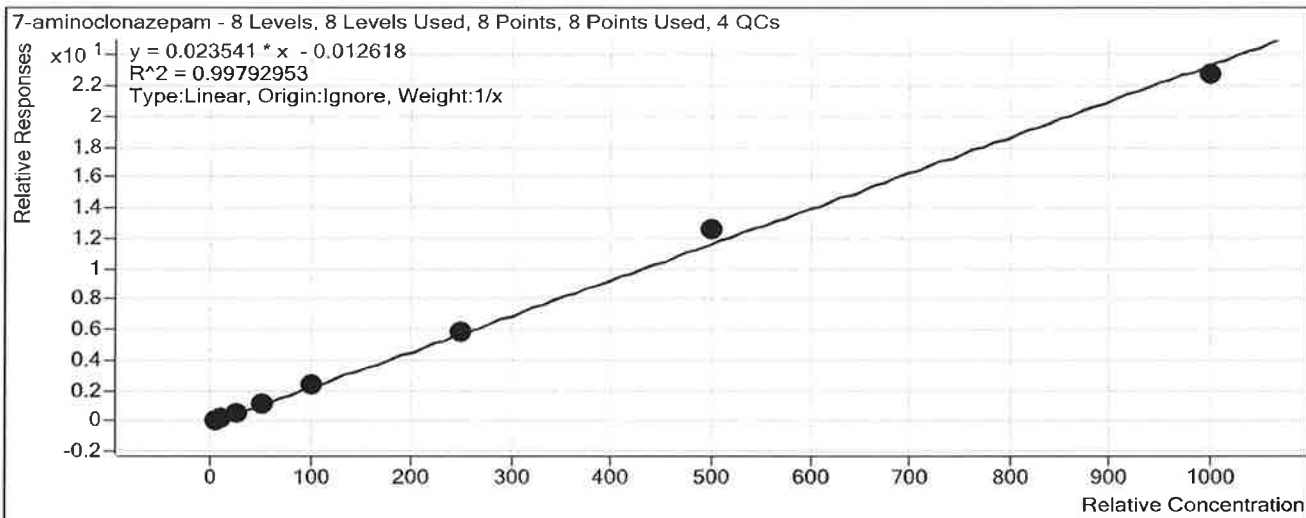| Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	☑	5	5.2	103.5
a cal 2-10ng	2	☑	10	11.3	113.1
a QC 10 (QC1)	2	☑	10	10.5	104.7
a cal 3-25ng	3	☑	25	21.9	87.5
a cal 4-50ng	4	☑	50	51.6	103.2
a cal 5-100ng	5	☑	100	96.8	96.8
a QC 100 (QC2)	5	☑	100	83.2	83.2
a cal 6-250ng	6	☑	250	241.6	96.6
a QC 250 (QC 3)	6	☑	250	228.5	91.4
a cal 7-500ng	7	☑	500	481.7	96.3
a cal 8-1000ng	8	☑	1000	1029.9	103.0
a QC 1000 (QC 4)	8	☑	1000	1008.9	100.9

ISP Forensics
Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1a wklst 2372 SP.batch.bin

Last Calib Update 5/2/2018 9:49 AM   **Analyst Name**   ISP TOX

Target Compound   *Dextrorphan*
Internal Standard   *Dextrorphan-D3*

Dextrorphan - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

y = 0.011532 * x - 0.007121
R^2 = 0.99484965
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	☑	5	5.3	105.5
a cal 2-10ng	2	☑	10	9.3	93.0
a QC 10 (QC1)	2	☑	10	9.2	92.2
a cal 3-25ng	3	☑	25	23.0	91.8
a cal 4-50ng	4	☑	50	48.3	96.5
a cal 5-100ng	5	☑	100	97.0	97.0
a QC 100 (QC2)	5	☑	100	94.5	94.5
a cal 6-250ng	6	☑	250	260.0	104.0
a QC 250 (QC 3)	6	☑	250	250.1	100.1
a cal 7-500ng	7	☑	500	515.9	103.2
a cal 8-1000ng	8	☑	1000	1089.9	109.0
a QC 1000 (QC 4)	8	☑	1000	1053.3	105.3

Batch Data Path   C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1a wklst 2372 SP.batch.bin

Last Calib Update   5/2/2018 9:49 AM   **Analyst Name**   ISP TOX

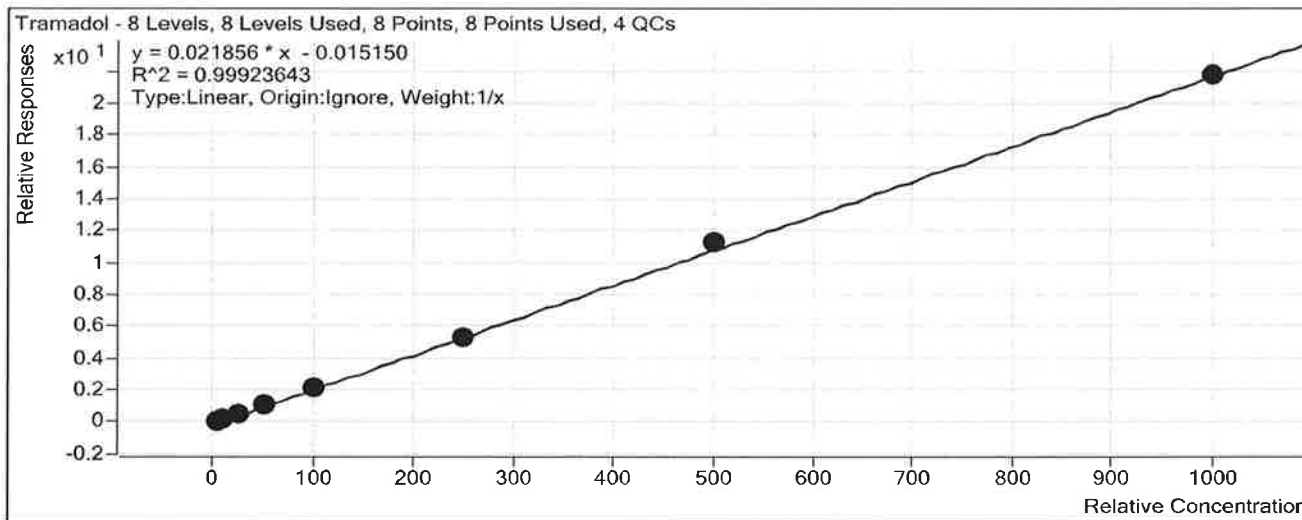### *Target Compound*   *7-aminoclonazepam*
Internal Standard   *7-Aminoclonazepam-D4*

7-aminoclonazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.023541 * x - 0.012618$
$R^2 = 0.99792953$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	☑	5	5.0	99.1
a cal 2-10ng	2	☑	10	9.7	97.4
a QC 10 (QC1)	2	☑	10	9.5	95.3
a cal 3-25ng	3	☑	25	24.0	96.2
a cal 4-50ng	4	☑	50	51.3	102.6
a cal 5-100ng	5	☑	100	102.4	102.4
a QC 100 (QC2)	5	☑	100	96.9	96.9
a cal 6-250ng	6	☑	250	247.3	98.9
a QC 250 (QC 3)	6	☑	250	253.7	101.5
a cal 7-500ng	7	☑	500	534.3	106.9
a cal 8-1000ng	8	☑	1000	965.9	96.6
a QC 1000 (QC 4)	8	☑	1000	948.5	94.9

Batch Data Path C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1a wklst 2372 SP.batch.bin

Last Calib Update 5/2/2018 9:49 AM **Analyst Name** ISP TOX

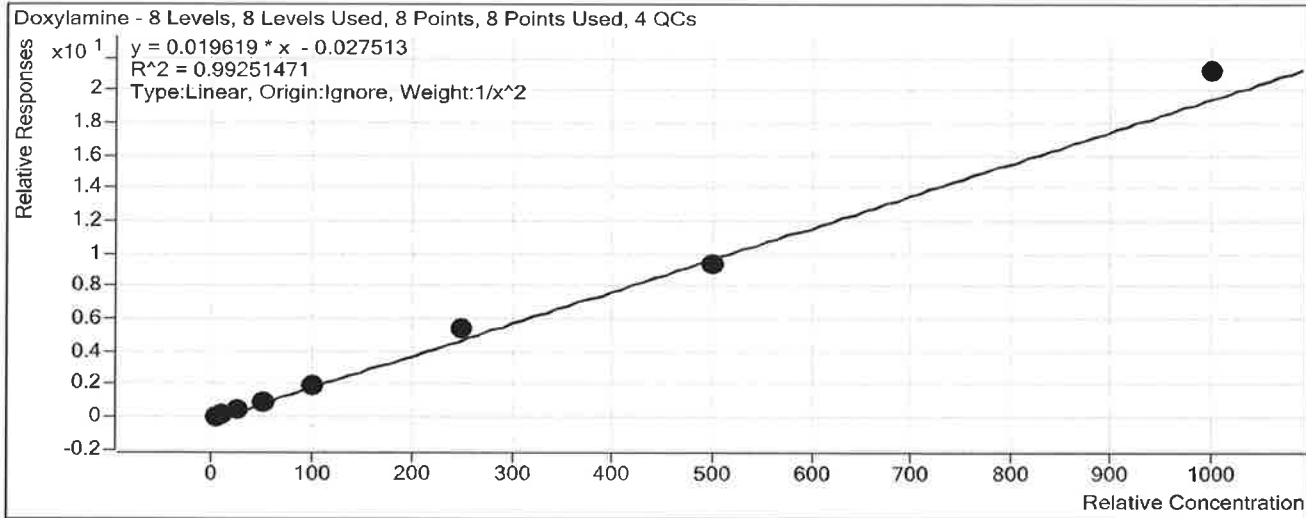*__Target Compound__* *Tramadol*
Internal Standard *Tramadol-13C-D3*

Tramadol - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.021856 * x - 0.015150$
$R^2 = 0.99923643$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	☑	5	5.6	112.6
a cal 2-10ng	2	☑	10	9.4	94.3
a QC 10 (QC1)	2	☑	10	9.7	96.7
a cal 3-25ng	3	☑	25	23.9	95.7
a cal 4-50ng	4	☑	50	51.1	102.2
a cal 5-100ng	5	☑	100	95.8	95.8
a QC 100 (QC2)	5	☑	100	85.4	85.4
a cal 6-250ng	6	☑	250	240.5	96.2
a QC 250 (QC 3)	6	☑	250	255.7	102.3
a cal 7-500ng	7	☑	500	517.6	103.5
a cal 8-1000ng	8	☑	1000	996.0	99.6
a QC 1000 (QC 4)	8	☑	1000	970.4	97.0

ISP Forensics
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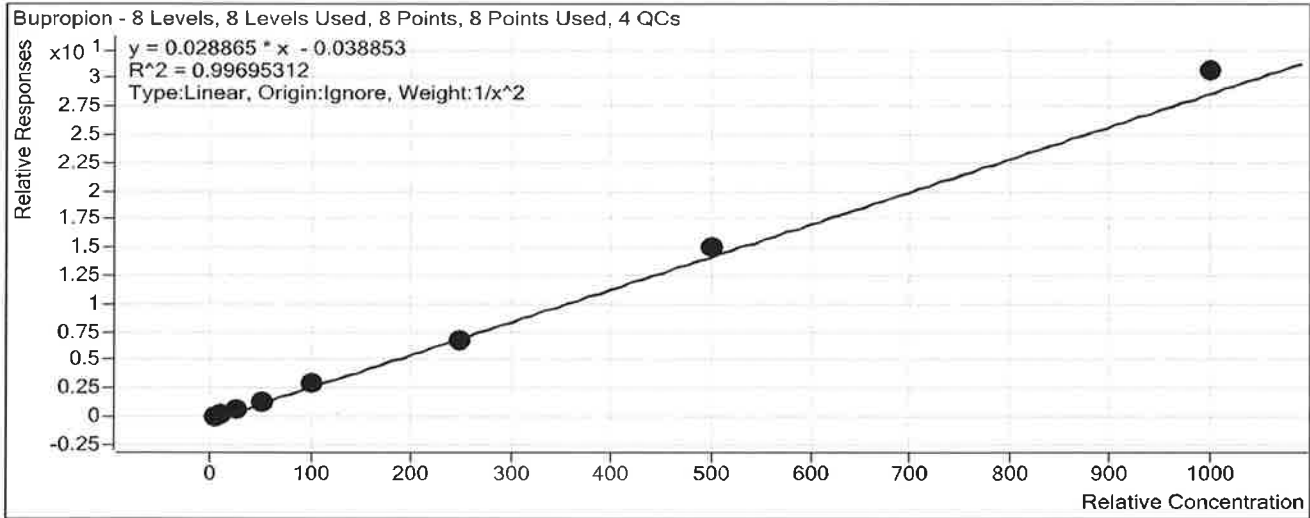
Target Compound   *Doxylamine*
Internal Standard   *Doxylamine-D5*

Doxylamine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.019619 * x - 0.027513$
$R^2 = 0.99251471$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	☑	5	5.2	103.3
a cal 2-10ng	2	☑	10	9.9	99.0
a QC 10 (QC1)	2	☑	10	10.1	101.1
a cal 3-25ng	3	☑	25	21.4	85.7
a cal 4-50ng	4	☑	50	49.1	98.3
a cal 5-100ng	5	☑	100	100.0	100.0
a QC 100 (QC2)	5	☑	100	91.7	91.7
a cal 6-250ng	6	☑	250	274.8	109.9
a QC 250 (QC 3)	6	☑	250	215.7	86.3
a cal 7-500ng	7	☑	500	478.8	95.8
a cal 8-1000ng	8	☑	1000	1079.4	107.9
a QC 1000 (QC 4)	8	☑	1000	997.1	99.7

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1a wklst 2372 SP.batch.bin		
Last Calib Update	5/2/2018 9:49 AM	**Analyst Name**	ISP TOX

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

Bupropion - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.028865 * x - 0.038853$
$R^2 = 0.99695312$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	☑	5	5.1	101.3
a cal 2-10ng	2	☑	10	10.1	101.2
a QC 10 (QC1)	2	☑	10	9.4	93.5
a cal 3-25ng	3	☑	25	22.8	91.2
a cal 4-50ng	4	☑	50	49.0	98.0
a cal 5-100ng	5	☑	100	101.5	101.5
a QC 100 (QC2)	5	☑	100	86.7	86.7
a cal 6-250ng	6	☑	250	240.1	96.0
a QC 250 (QC 3)	6	☑	250	236.7	94.7
a cal 7-500ng	7	☑	500	522.6	104.5
a cal 8-1000ng	8	☑	1000	1062.2	106.2
a QC 1000 (QC 4)	8	☑	1000	1044.7	104.5

Batch Data Path   C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1a wklst 2372 SP.batch.bin

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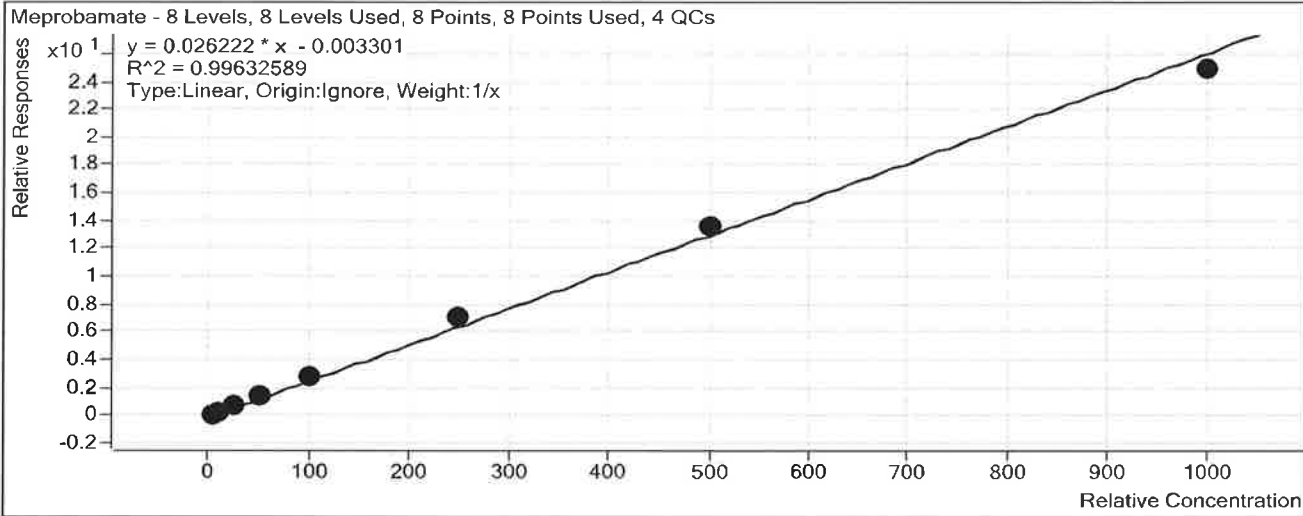### Target Compound   Meprobamate
Internal Standard   *Meprobamate-D7*

Meprobamate - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.026222 * x - 0.003301$
$R^2 = 0.99632589$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	☑	5	4.3	85.4
a cal 2-10ng	2	☑	10	9.0	90.2
a QC 10 (QC1)	2	☑	10	9.8	97.7
a cal 3-25ng	3	☑	25	25.6	102.3
a cal 4-50ng	4	☑	50	52.8	105.6
a cal 5-100ng	5	☑	100	108.8	108.8
a QC 100 (QC2)	5	☑	100	99.5	99.5
a cal 6-250ng	6	☑	250	273.2	109.3
a QC 250 (QC 3)	6	☑	250	239.0	95.6
a cal 7-500ng	7	☑	500	517.6	103.5
a cal 8-1000ng	8	☑	1000	948.8	94.9
a QC 1000 (QC 4)	8	☑	1000	1019.2	101.9

Batch Data Path   C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1a wklst 2372 SP.batch.bin

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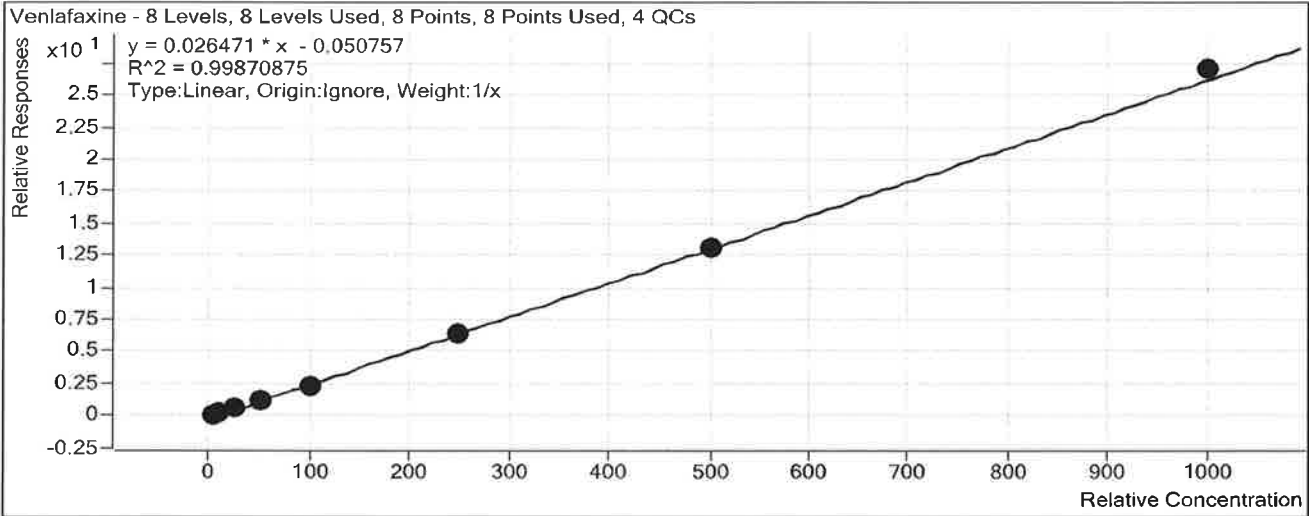*Internal Standard*   *Zolpidem-D6*

Zolpidem - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.018899 * x - 0.024083$
$R^2 = 0.99960423$
Type:Linear, Origin:Ignore, Weight:1/x
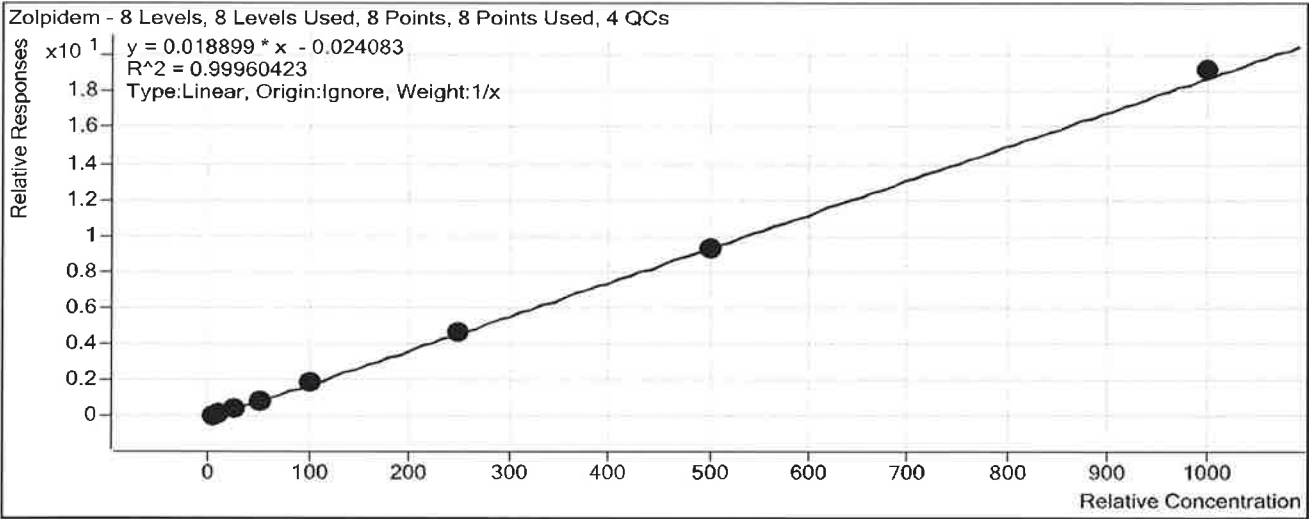
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	☑	5	5.5	109.9
a cal 2-10ng	2	☑	10	10.2	101.6
a QC 10 (QC1)	2	☑	10	9.2	91.9
a cal 3-25ng	3	☑	25	24.2	96.9
a cal 4-50ng	4	☑	50	47.3	94.5
a cal 5-100ng	5	☑	100	98.5	98.5
a QC 100 (QC2)	5	☑	100	92.4	92.4
a cal 6-250ng	6	☑	250	246.5	98.6
a QC 250 (QC 3)	6	☑	250	242.9	97.2
a cal 7-500ng	7	☑	500	491.6	98.3
a cal 8-1000ng	8	☑	1000	1016.2	101.6
a QC 1000 (QC 4)	8	☑	1000	1008.1	100.8

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1a wklst 2372 SP.batch.bin
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Target Compound   *Venlafaxine*
Internal Standard   *Venlafaxine-D6*

Venlafaxine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.026471 * x - 0.050757$
$R^2 = 0.99870875$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	☑	5	6.1	121.0
a cal 2-10ng	2	☑	10	10.3	103.0
a QC 10 (QC1)	2	☑	10	10.4	104.3
a cal 3-25ng	3	☑	25	23.4	93.7
a cal 4-50ng	4	☑	50	46.5	93.0
a cal 5-100ng	5	☑	100	89.9	89.9
a QC 100 (QC2)	5	☑	100	87.8	87.8
a cal 6-250ng	6	☑	250	244.7	97.9
a QC 250 (QC 3)	6	☑	250	236.2	94.5
a cal 7-500ng	7	☑	500	495.8	99.2
a cal 8-1000ng	8	☑	1000	1023.3	102.3
a QC 1000 (QC 4)	8	☑	1000	1009.3	100.9

Batch Data Path C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1a wklst 2372 SP.batch.bin

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

Trazodone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs
y = 0.030876 * x - 0.031740
R^2 = 0.99829266
Type:Linear, Origin:Ignore, Weight:1/x^2

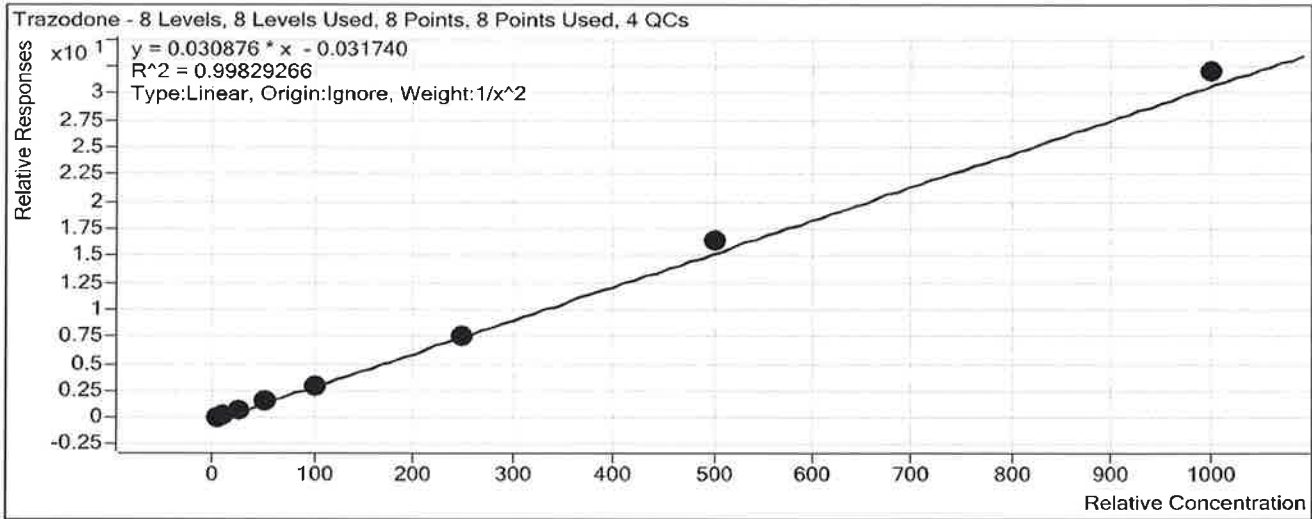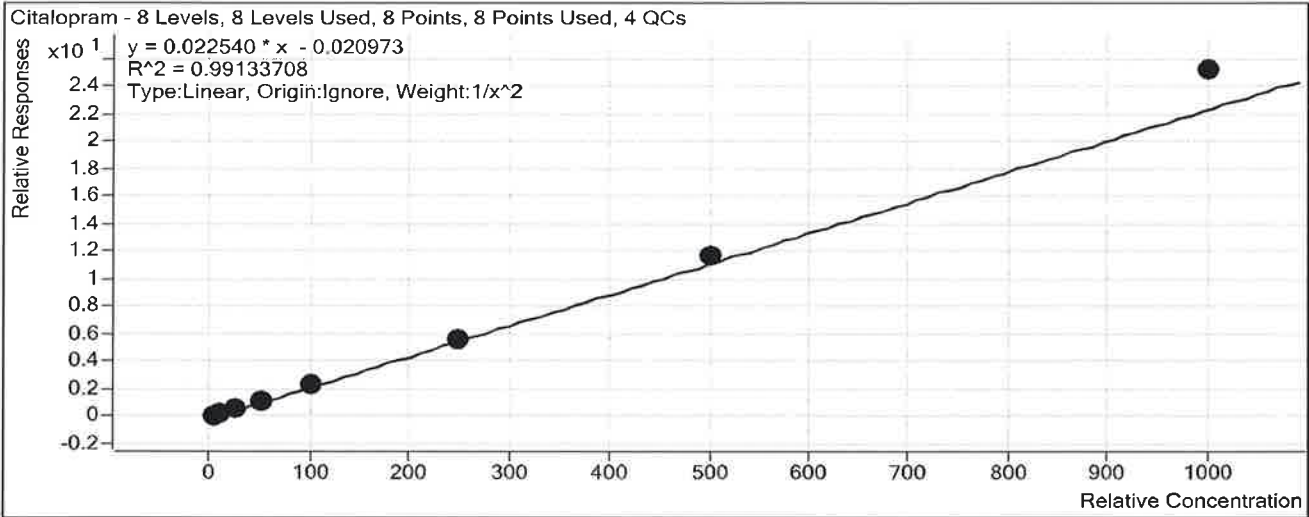| Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	☑	5	5.1	102.3
a cal 2-10ng	2	☑	10	9.8	97.8
a QC 10 (QC1)	2	☑	10	9.2	92.5
a cal 3-25ng	3	☑	25	23.8	95.1
a cal 4-50ng	4	☑	50	49.4	98.9
a cal 5-100ng	5	☑	100	97.4	97.4
a QC 100 (QC2)	5	☑	100	95.3	95.3
a cal 6-250ng	6	☑	250	247.7	99.1
a QC 250 (QC 3)	6	☑	250	247.2	98.9
a cal 7-500ng	7	☑	500	529.2	105.8
a cal 8-1000ng	8	☑	1000	1036.2	103.6
a QC 1000 (QC 4)	8	☑	1000	1100.3	110.0

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Last Calib Update   5/2/2018 9:49 AM   **Analyst Name**   ISP TOX

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

Citalopram - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.022540 * x - 0.020973$
$R^2 = 0.99133708$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	☑	5	5.4	107.5
a cal 2-10ng	2	☑	10	9.0	89.8
a QC 10 (QC1)	2	☑	10	9.9	98.9
a cal 3-25ng	3	☑	25	22.2	88.7
a cal 4-50ng	4	☑	50	48.7	97.5
a cal 5-100ng	5	☑	100	99.0	99.0
a QC 100 (QC2)	5	☑	100	93.1	93.1
a cal 6-250ng	6	☑	250	252.6	101.0
a QC 250 (QC 3)	6	☑	250	242.3	96.9
a cal 7-500ng	7	☑	500	522.1	104.4
a cal 8-1000ng	8	☑	1000	1120.3	112.0
a QC 1000 (QC 4)	8	☑	1000	1084.7	108.5

Calibration Curve Report

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Last Calib Update	5/2/2018 9:49 AM **Analyst Name** ISP TOX

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

Dextromethorphan - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.026958 * x - 0.033946$
$R^2 = 0.99937683$
Type:Linear, Origin:Ignore, Weight:1/x
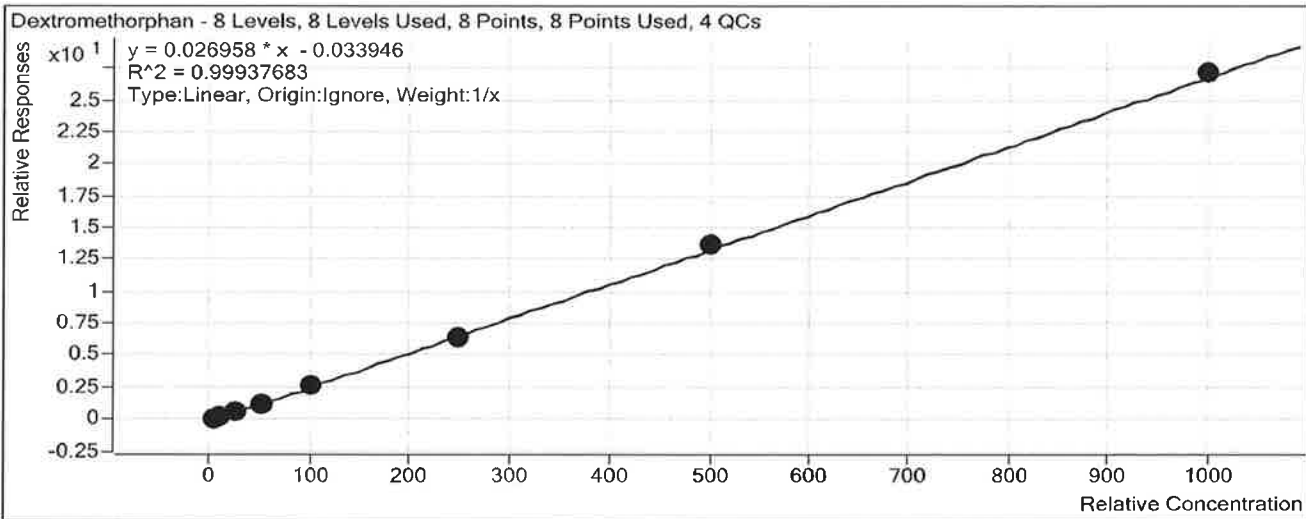
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	☑	5	5.6	111.2
a cal 2-10ng	2	☑	10	10.0	99.7
a QC 10 (QC1)	2	☑	10	9.3	93.0
a cal 3-25ng	3	☑	25	25.0	100.0
a cal 4-50ng	4	☑	50	45.6	91.2
a cal 5-100ng	5	☑	100	100.0	100.0
a QC 100 (QC2)	5	☑	100	89.1	89.1
a cal 6-250ng	6	☑	250	239.2	95.7
a QC 250 (QC 3)	6	☑	250	261.4	104.6
a cal 7-500ng	7	☑	500	508.4	101.7
a cal 8-1000ng	8	☑	1000	1006.4	100.6
a QC 1000 (QC 4)	8	☑	1000	1033.9	103.4

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

Diphenhydramine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

y = 0.018718 * x - 0.030769
R^2 = 0.99573182
Type:Linear, Origin:Ignore, Weight:1/x^2
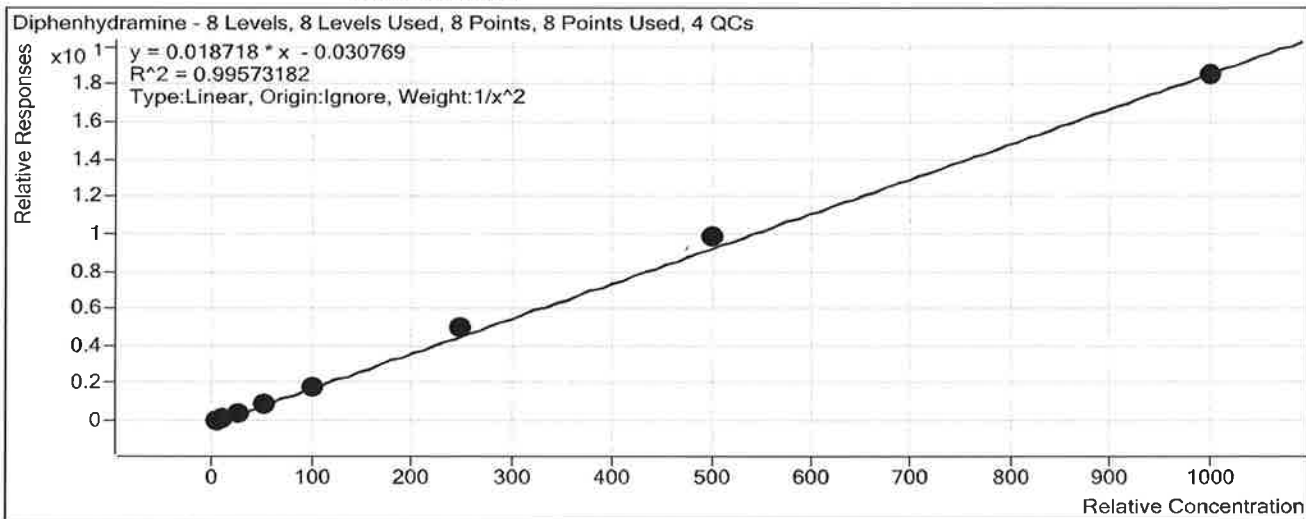
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	☑	5	5.3	105.6
a cal 2-10ng	2	☑	10	9.0	90.1
a QC 10 (QC1)	2	☑	10	9.9	98.6
a cal 3-25ng	3	☑	25	24.3	97.3
a cal 4-50ng	4	☑	50	49.6	99.1
a cal 5-100ng	5	☑	100	96.6	96.6
a QC 100 (QC2)	5	☑	100	93.2	93.2
a cal 6-250ng	6	☑	250	266.7	106.7
a QC 250 (QC 3)	6	☑	250	246.0	98.4
a cal 7-500ng	7	☑	500	528.2	105.6
a cal 8-1000ng	8	☑	1000	989.5	98.9
a QC 1000 (QC 4)	8	☑	1000	1068.2	106.8

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Target Compound *Promethazine*
Internal Standard *Promethazine-D3*

Promethazine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.028967 * x - 0.061814$
$R^2 = 0.99932040$
Type:Linear, Origin:Ignore, Weight:1/x
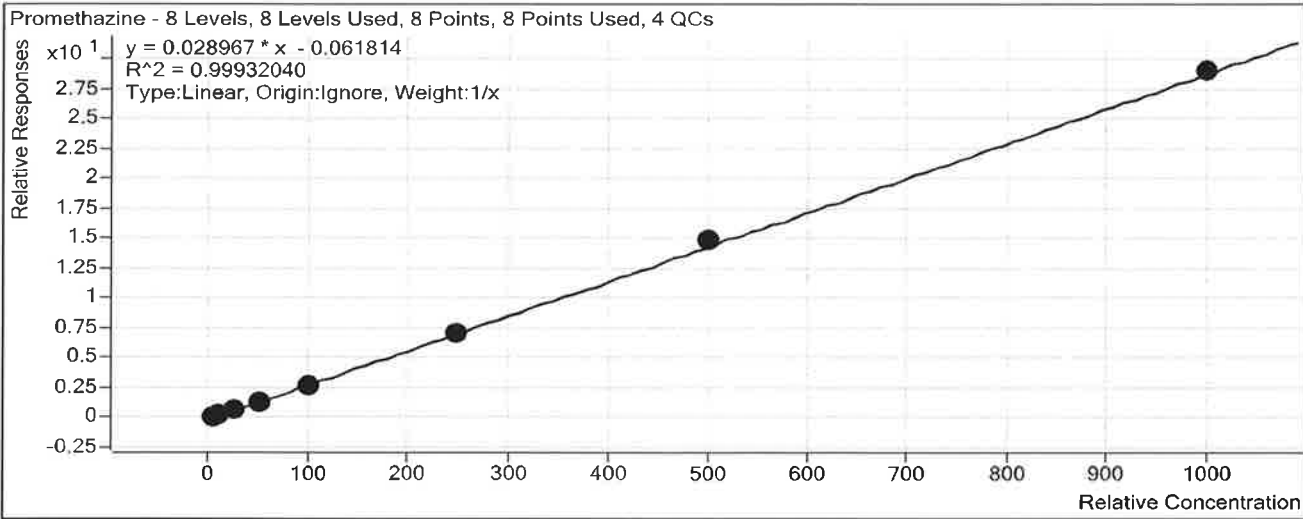
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	☑	5	6.1	121.1
a cal 2-10ng	2	☑	10	9.6	95.7
a QC 10 (QC1)	2	☑	10	10.3	102.9
a cal 3-25ng	3	☑	25	23.2	92.6
a cal 4-50ng	4	☑	50	47.9	95.7
a cal 5-100ng	5	☑	100	94.0	94.0
a QC 100 (QC2)	5	☑	100	80.5	80.5
a cal 6-250ng	6	☑	250	245.5	98.2
a QC 250 (QC 3)	6	☑	250	232.9	93.2
a cal 7-500ng	7	☑	500	512.1	102.4
a cal 8-1000ng	8	☑	1000	1001.8	100.2
a QC 1000 (QC 4)	8	☑	1000	950.9	95.1

Batch Data Path C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1a wklst 2372 SP.batch.bin

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

Clonazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.119801 * x - 0.054311$
$R^2 = 0.99726251$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

Relative Responses ($\times 10^2$) vs Relative Concentration

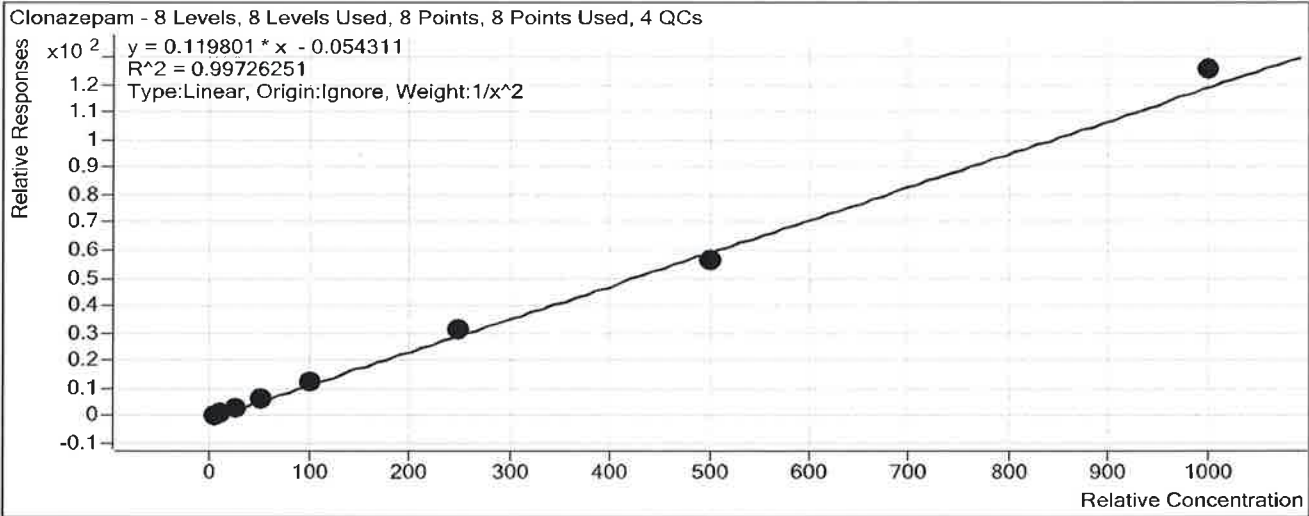| Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	☑	5	5.2	103.1
a cal 2-10ng	2	☑	10	9.6	96.0
a QC 10 (QC1)	2	☑	10	9.3	92.6
a cal 3-25ng	3	☑	25	23.3	93.4
a cal 4-50ng	4	☑	50	50.4	100.8
a cal 5-100ng	5	☑	100	103.4	103.4
a QC 100 (QC2)	5	☑	100	96.6	96.6
a cal 6-250ng	6	☑	250	259.4	103.8
a QC 250 (QC 3)	6	☑	250	222.0	88.8
a cal 7-500ng	7	☑	500	474.6	94.9
a cal 8-1000ng	8	☑	1000	1047.5	104.8
a QC 1000 (QC 4)	8	☑	1000	972.5	97.2

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2372 SP.batch.bin

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Target Compound   *a-hydroxyalprazolam*
Internal Standard   *a-hydroxyalprazolam-D5*

a-hydroxyalprazolam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.023159 * x - 0.015352$
$R^2 = 0.98948317$
Type:Linear, Origin:Ignore, Weight:$1/x^2$
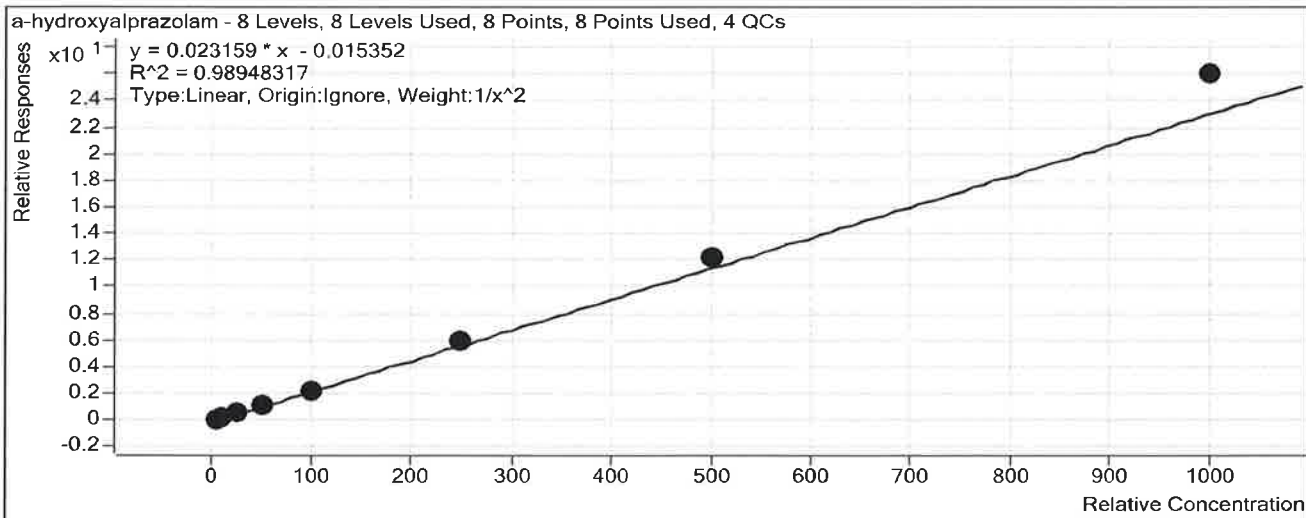
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	☑	5	5.4	108.7
a cal 2-10ng	2	☑	10	8.6	85.9
a QC 10 (QC1)	2	☑	10	8.7	87.3
a cal 3-25ng	3	☑	25	23.8	95.4
a cal 4-50ng	4	☑	50	47.0	94.1
a cal 5-100ng	5	☑	100	94.2	94.2
a QC 100 (QC2)	5	☑	100	83.6	83.6
a cal 6-250ng	6	☑	250	258.7	103.5
a QC 250 (QC 3)	6	☑	250	236.4	94.6
a cal 7-500ng	7	☑	500	530.4	106.1
a cal 8-1000ng	8	☑	1000	1121.8	112.2
a QC 1000 (QC 4)	8	☑	1000	1021.1	102.1

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Target Compound *Carisoprodol*
Internal Standard *Carisoprodol-D7*

Carisoprodol - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.025632 * x - 0.010399$
$R^2 = 0.99882361$
Type:Linear, Origin:Ignore, Weight:1/x^2
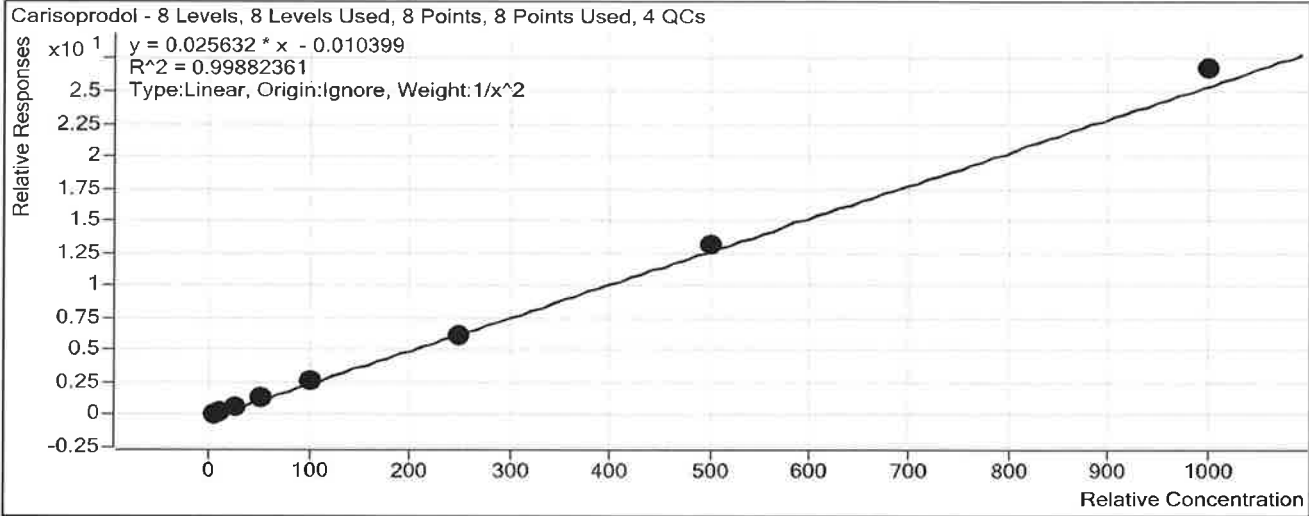
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	☑	5	5.1	101.2
a cal 2-10ng	2	☑	10	9.9	99.1
a QC 10 (QC1)	2	☑	10	8.9	88.9
a cal 3-25ng	3	☑	25	24.1	96.6
a cal 4-50ng	4	☑	50	50.0	100.1
a cal 5-100ng	5	☑	100	99.8	99.8
a QC 100 (QC2)	5	☑	100	97.1	97.1
a cal 6-250ng	6	☑	250	239.2	95.7
a QC 250 (QC 3)	6	☑	250	220.9	88.3
a cal 7-500ng	7	☑	500	515.4	103.1
a cal 8-1000ng	8	☑	1000	1044.8	104.5
a QC 1000 (QC 4)	8	☑	1000	1083.2	108.3

Batch Data Path   C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1a wklst 2372 SP.batch.bin

Last Calib Update   5/2/2018 9:49 AM   **Analyst Name**   ISP TOX

Target Compound   *Lorazepam*
Internal Standard   *Alprazolam-D5*

Lorazepam - 8 Levels, 5 Levels Used, 8 Points, 5 Points Used, 4 QCs

$y = 0.005916 * x + 0.008366$
$R^2 = 0.99453341$
Type:Linear, Origin:Ignore, Weight:1/x
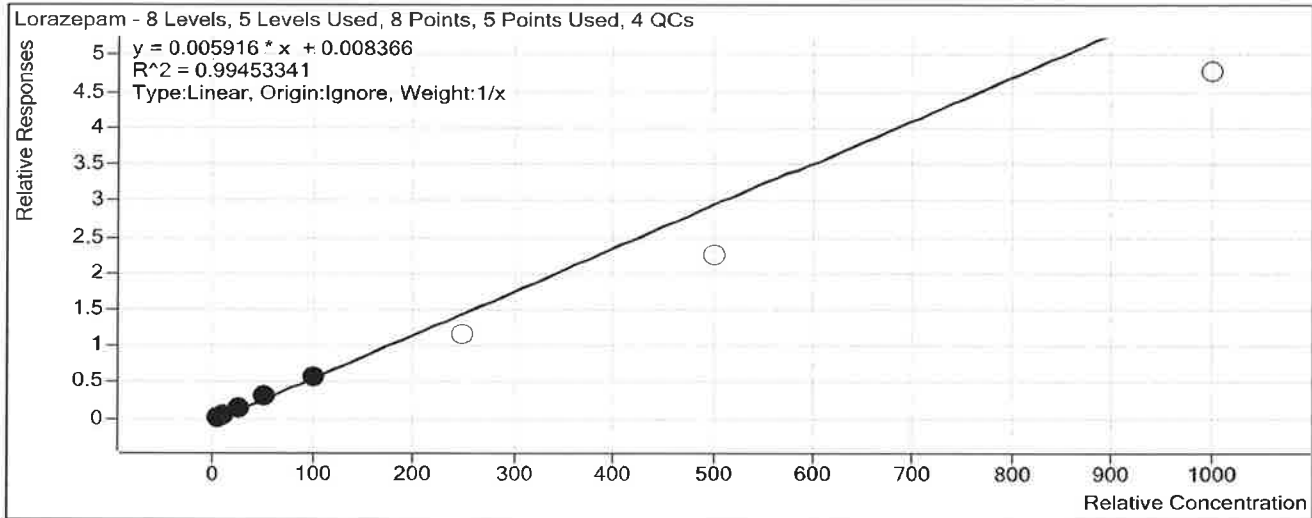
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	☑	5	4.4	88.2
a cal 2-10ng	2	☑	10	10.2	102.4
a QC 10 (QC1)	2	☑	10	9.7	97.3
a cal 3-25ng	3	☑	25	26.9	107.8
a cal 4-50ng	4	☑	50	53.3	106.5
a cal 5-100ng	5	☑	100	95.2	95.2
a QC 100 (QC2)	5	☑	100	80.0	80.0
a cal 6-250ng	6	☐	250	195.2	78.1
a QC 250 (QC 3)	6	☑	250	173.8	69.5
a cal 7-500ng	7	☐	500	379.3	75.9
a cal 8-1000ng	8	☐	1000	804.6	80.5
a QC 1000 (QC 4)	8	☐	1000	702.7	70.3

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1a wklst 2372 SP.batch.bin	
Last Calib Update	5/2/2018 9:49 AM	**Analyst Name**

ISP TOX

Target Compound   *Alprazolam*
Internal Standard   *Alprazolam-D5*

Alprazolam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.034442 * x - 0.033599$
$R^2 = 0.99407838$
Type:Linear, Origin:Ignore, Weight:1/x^2
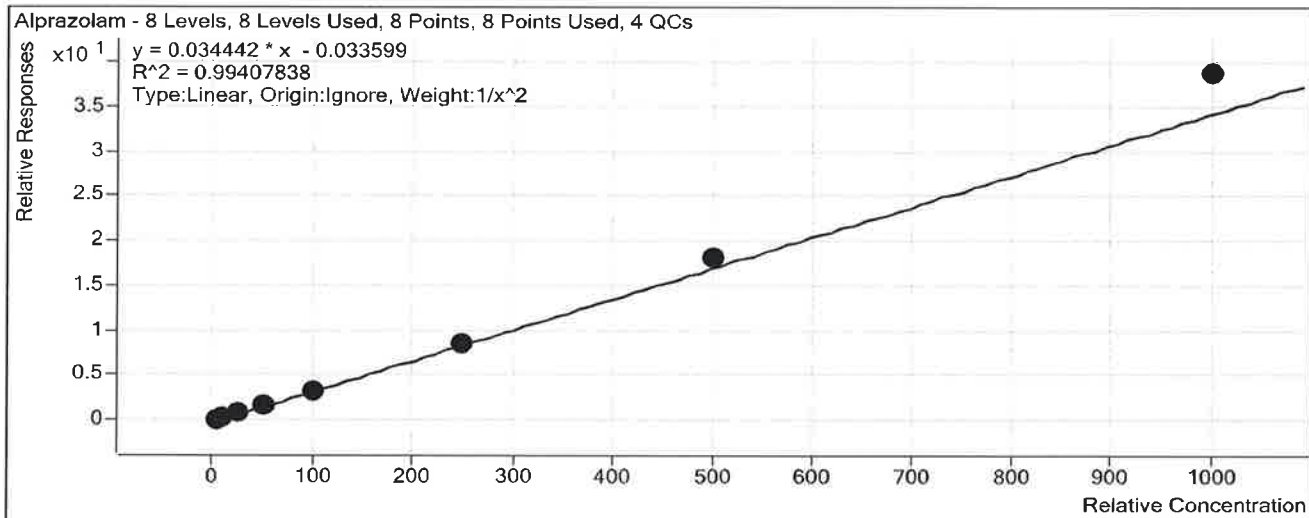
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	☑	5	5.2	103.6
a cal 2-10ng	2	☑	10	9.7	97.1
a QC 10 (QC1)	2	☑	10	9.9	99.2
a cal 3-25ng	3	☑	25	23.3	93.0
a cal 4-50ng	4	☑	50	46.8	93.7
a cal 5-100ng	5	☑	100	95.8	95.8
a QC 100 (QC2)	5	☑	100	90.6	90.6
a cal 6-250ng	6	☑	250	246.3	98.5
a QC 250 (QC 3)	6	☑	250	244.1	97.6
a cal 7-500ng	7	☑	500	530.7	106.1
a cal 8-1000ng	8	☑	1000	1121.2	112.1
a QC 1000 (QC 4)	8	☑	1000	1043.4	104.3

ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1a wklst 2372 SP.batch.t			
Analysis Time	5/2/2018 9:49 AM	**Analyst Name**	ISPUser	
Report Time	5/2/2018 11:18 AM	**Reporter Name**	ISPUser	
Last Calib Update	5/2/2018 9:49 AM	**Batch State**	Processed	

Analysis Info

Acq Time	2018-05-01 12:52	**Data File**	a cal 1-5ng.d
Sample Type	Calibration	**Sample Name**	a cal 1-5ng
Dilution	1	**Acq Method**	MD Quant Panel 1a 1-19-2018.m
Position	P1-H12	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 worklist 2372
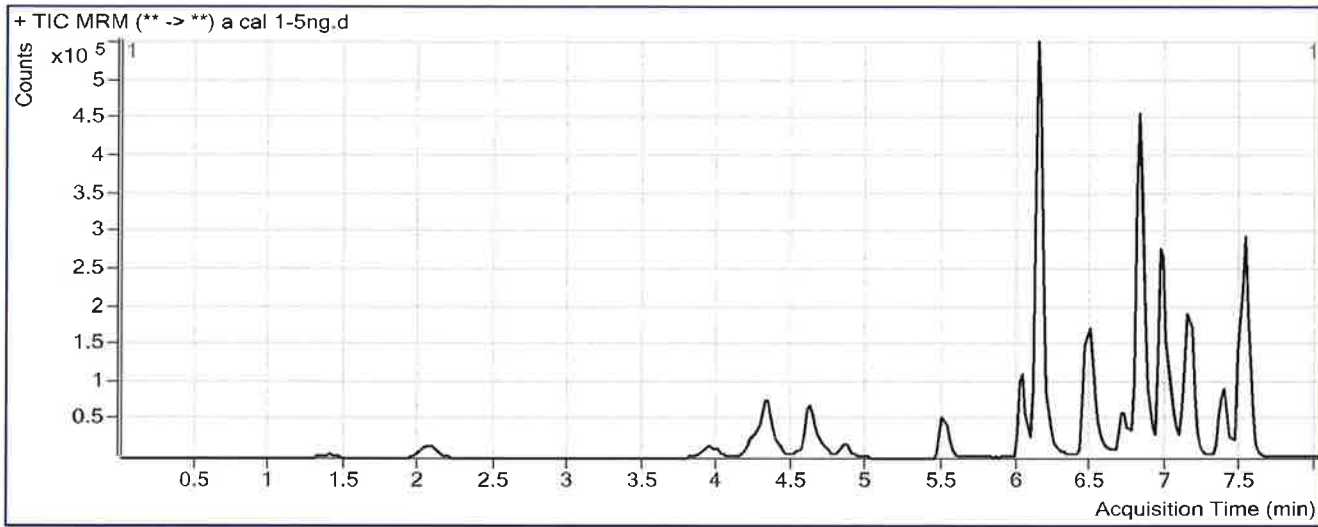
Sample Chromatogram

+ TIC MRM (** -> **) a cal 1-5ng.d

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.408	4061	17619	0.2305	5.3950
Hydromorphone	Hydromorphone-D6	2.069	13763	106637	0.1291	5.3020
Codeine	Codeine-D6	3.992	5746	53886	0.1066	6.3659
Oxycodone	Oxycodone-D6	4.350	41975	356938	0.1176	5.6095
Amphetamine	Amphetamine-D11	4.364	37441	94583	0.3959	4.0742
Hydrocodone	Hydrocodone-D6	4.655	15270	188864	0.0809	5.3765
Norhydrocodone	Norhydrocodone-D3	4.699	776	40752	0.0191	14.1740
Methamphetamine	Methamphetamine-D11	4.724	24768	130895	0.1892	5.1508
6-MAM	6-MAM-D6	4.869	849	66807	0.0127	0.4820
Phentermine	Phentermine-D5	5.566	10640	219740	0.0484	5.1729
Dextrorphan	Dextrorphan-D3	6.042	19193	357497	0.0537	5.2729
7-aminoclonazepam	7-Aminoclonazepam-D4	6.134	36981	355563	0.1040	4.9542
Tramadol	Tramadol-13C-D3	6.159	172603	1599270	0.1079	5.6311
Doxylamine	Doxylamine-D5	6.483	54240	734650	0.0738	5.1655
Bupropion	Bupropion-D9	6.730	20403	190058	0.1073	5.0651
Meprobamate	Meprobamate-D7	6.833	16572	152442	0.1087	4.2716
Zolpidem	Zolpidem-D6	6.842	128299	1608580	0.0798	5.4945
Venlafaxine	Venlafaxine-D6	6.966	91272	834240	0.1094	6.0505
Trazodone	Trazodone-D6	7.055	21355	169268	0.1262	5.1139
Citalopram	Citalopram-D6	7.118	20120	200779	0.1002	5.3764

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Dextromethorphan	Dextromethorphan-D3	7.130	6035	52039	0.1160	5.5612
Diphenhydramine	Diphenhydramine-D3	7.173	30158	443337	0.0680	5.2781
Promethazine	Promethazine-D3	7.368	18195	160143	0.1136	6.0563
Clonazepam	Clonazepam-D4	7.405	38581	68530	0.5630	5.1527
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.460	8754	79243	0.1105	5.4328
Carisoprodol	Carisoprodol-D7	7.494	43946	368492	0.1193	5.0584
Lorazepam	Alprazolam-D5	7.523	20966	608472	0.0345	4.4100
Alprazolam	Alprazolam-D5	7.527	88113	608472	0.1448	5.1800

ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1a wklst 2372 SP.batch.l		
Analysis Time	5/2/2018 9:49 AM	**Analyst Name**	ISPUser
Report Time	5/2/2018 11:18 AM	**Reporter Name**	ISPUser
Last Calib Update	5/2/2018 9:49 AM	**Batch State**	Processed

Analysis Info

Acq Time	2018-05-01 13:24	**Data File**	a cal 2-10ng.d
Sample Type	Calibration	**Sample Name**	a cal 2-10ng
Dilution	1	**Acq Method**	MD Quant Panel 1a 1-19-2018.m
Position	P1-G12	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 worklist 2372
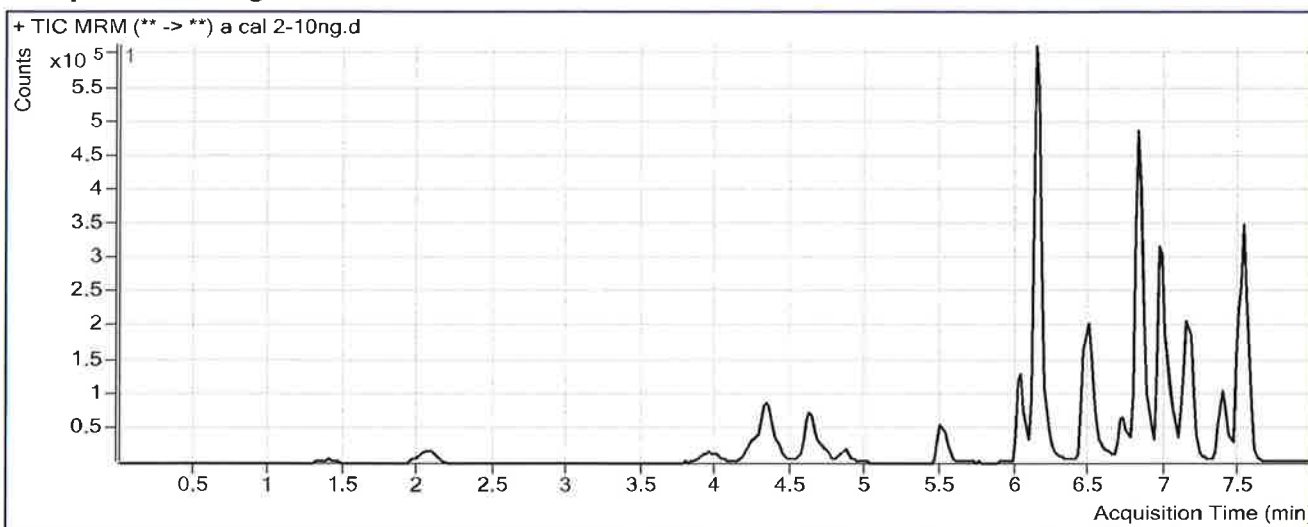
Sample Chromatogram

+ TIC MRM (** -> **) a cal 2-10ng.d

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.408	7800	18085	0.4313	9.0709
Hydromorphone	Hydromorphone-D6	2.089	26585	103716	0.2563	9.3665
Codeine	Codeine-D6	4.013	11067	53966	0.2051	10.0947
Oxycodone	Oxycodone-D6	4.350	86689	345067	0.2512	9.7837
Amphetamine	Amphetamine-D11	4.364	70051	104332	0.6714	8.4347
Hydrocodone	Hydrocodone-D6	4.635	29216	186278	0.1568	9.6082
Norhydrocodone	Norhydrocodone-D3	4.699	1700	40648	0.0418	18.3739
Methamphetamine	Methamphetamine-D11	4.724	46111	122360	0.3768	9.8102
6-MAM	6-MAM-D6	4.869	1877	65958	0.0285	1.1397
Phentermine	Phentermine-D5	5.546	25150	204831	0.1228	11.3086
Dextrorphan	Dextrorphan-D3	6.042	39295	392307	0.1002	9.3032
7-aminoclonazepam	7-Aminoclonazepam-D4	6.134	76420	352882	0.2166	9.7354
Tramadol	Tramadol-13C-D3	6.159	331573	1736172	0.1910	9.4311
Doxylamine	Doxylamine-D5	6.483	124227	744843	0.1668	9.9033
Bupropion	Bupropion-D9	6.730	43939	173579	0.2531	10.1158
Meprobamate	Meprobamate-D7	6.833	34949	149814	0.2333	9.0224
Zolpidem	Zolpidem-D6	6.842	243012	1446631	0.1680	10.1627
Venlafaxine	Venlafaxine-D6	6.966	194793	877684	0.2219	10.3017
Trazodone	Trazodone-D6	7.055	46457	171984	0.2701	9.7765
Citalopram	Citalopram-D6	7.118	39033	215081	0.1815	8.9821

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Dextromethorphan	Dextromethorphan-D3	7.150	12067	51396	0.2348	9.9689
Diphenhydramine	Diphenhydramine-D3	7.173	60510	438992	0.1378	9.0080
Promethazine	Promethazine-D3	7.368	34838	161720	0.2154	9.5706
Clonazepam	Clonazepam-D4	7.405	79359	72454	1.0953	9.5960
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.460	15653	85235	0.1837	8.5928
Carisoprodol	Carisoprodol-D7	7.494	89980	369349	0.2436	9.9100
Lorazepam	Alprazolam-D5	7.523	41063	595693	0.0689	10.2371
Alprazolam	Alprazolam-D5	7.527	179174	595693	0.3008	9.7086

ISP FORENSICS - Pocatello Instrument # 59740
## Multi-Drug Confirmatory Analysis Report

Batch Data Path   C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1a wklst 2372 SP.batch.t

Analysis Time   5/2/2018 9:49 AM   **Analyst Name**   ISPUser

Report Time   5/2/2018 11:19 AM   **Reporter Name**   ISPUser

Last Calib Update   5/2/2018 9:49 AM   **Batch State**   Processed

Analysis Info

Acq Time   2018-05-01 13:56   **Data File**   a cal 3-25ng.d

Sample Type   Calibration   **Sample Name**   a cal 3-25ng

Dilution   1   **Acq Method**   MD Quant Panel 1a 1-19-2018.m

Position   P1-F12   **Sample Info**
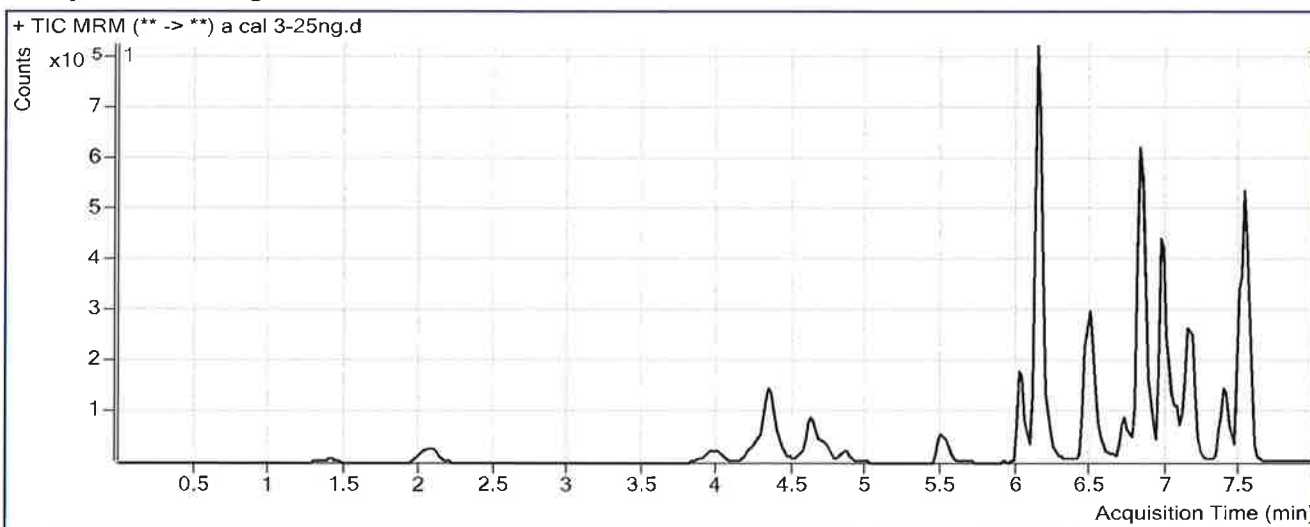
Inj Vol   -1   **Comment**   AM 28 worklist 2372

Sample Chromatogram

+ TIC MRM (** -> **) a cal 3-25ng.d

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.388	20737	17818	1.1639	22.4799
Hydromorphone	Hydromorphone-D6	2.089	72104	107679	0.6696	22.5669
Codeine	Codeine-D6	3.992	28199	52931	0.5328	22.5045
Oxycodone	Oxycodone-D6	4.350	248115	353059	0.7028	23.8885
Amphetamine	Amphetamine-D11	4.364	180461	98004	1.8414	26.9470
Hydrocodone	Hydrocodone-D6	4.635	78521	194345	0.4040	23.3737
Norhydrocodone	Norhydrocodone-D3	4.679	3860	43245	0.0893	27.1282
Methamphetamine	Methamphetamine-D11	4.724	113788	119792	0.9499	24.0397
6-MAM	6-MAM-D6	4.869	3798	68902	0.0551	2.2535
Phentermine	Phentermine-D5	5.546	55752	222258	0.2508	21.8755
Dextrorphan	Dextrorphan-D3	6.022	103772	402781	0.2576	22.9588
7-aminoclonazepam	7-Aminoclonazepam-D4	6.134	201070	363285	0.5535	24.0475
Tramadol	Tramadol-13C-D3	6.159	913321	1798747	0.5078	23.9246
Doxylamine	Doxylamine-D5	6.483	285261	725738	0.3931	21.4369
Bupropion	Bupropion-D9	6.730	96945	156511	0.6194	22.8052
Meprobamate	Meprobamate-D7	6.833	99170	148637	0.6672	25.5700
Zolpidem	Zolpidem-D6	6.842	692797	1597691	0.4336	24.2181
Venlafaxine	Venlafaxine-D6	6.966	505226	887096	0.5695	23.4326
Trazodone	Trazodone-D6	7.055	119243	169749	0.7025	23.7790
Citalopram	Citalopram-D6	7.118	92577	193343	0.4788	22.1738

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Dextromethorphan	Dextromethorphan-D3	7.150	29879	46697	0.6399	24.9946
Diphenhydramine	Diphenhydramine-D3	7.173	177870	418785	0.4247	24.3353
Promethazine	Promethazine-D3	7.368	85276	140011	0.6091	23.1601
Clonazepam	Clonazepam-D4	7.405	208010	75870	2.7417	23.3385
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.460	44858	83577	0.5367	23.8381
Carisoprodol	Carisoprodol-D7	7.494	233622	383972	0.6084	24.1428
Lorazepam	Alprazolam-D5	7.523	101732	606461	0.1677	26.9388
Alprazolam	Alprazolam-D5	7.547	465389	606461	0.7674	23.2562

ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1a wklst 2372 SP.batch.t		
Analysis Time	5/2/2018 9:49 AM	**Analyst Name**	ISPUser
Report Time	5/2/2018 11:19 AM	**Reporter Name**	ISPUser
Last Calib Update	5/2/2018 9:49 AM	**Batch State**	Processed

Analysis Info

Acq Time	2018-05-01 14:27	**Data File**	a cal 4-50ng.d
Sample Type	Calibration	**Sample Name**	a cal 4-50ng
Dilution	1	**Acq Method**	MD Quant Panel 1a 1-19-2018.m
Position	P1-E12	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 worklist 2372
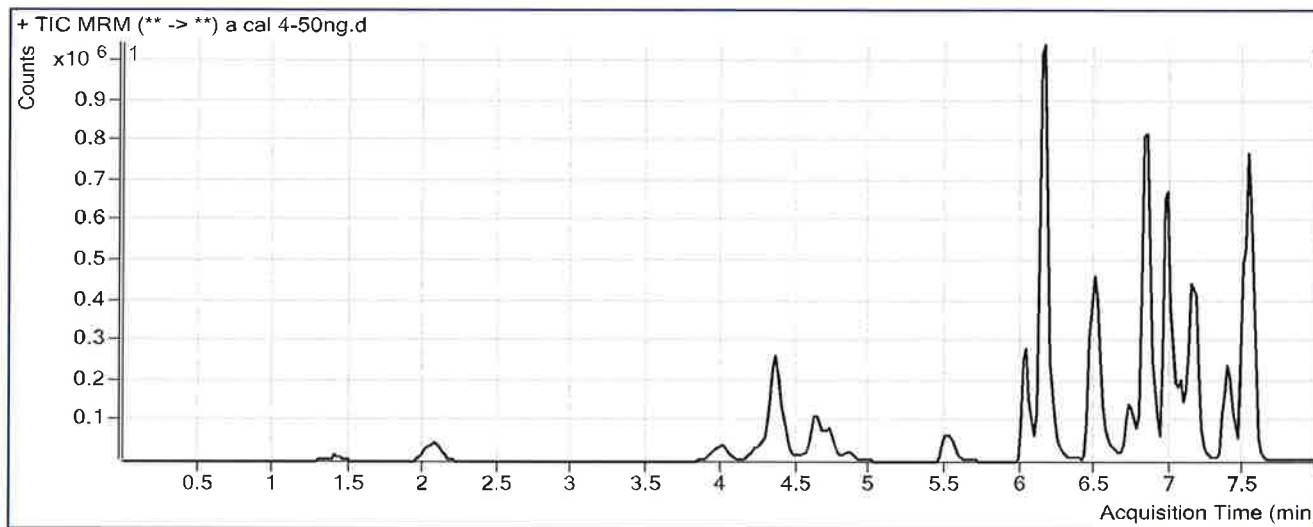
Sample Chromatogram

+ TIC MRM (** -> **) a cal 4-50ng.d

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.388	39036	17006	2.2954	43.1919
Hydromorphone	Hydromorphone-D6	2.089	139485	101300	1.3769	45.1586
Codeine	Codeine-D6	3.992	58153	49798	1.1678	46.5544
Oxycodone	Oxycodone-D6	4.350	492214	330326	1.4901	48.4828
Amphetamine	Amphetamine-D11	4.364	393193	116319	3.3803	51.2979
Hydrocodone	Hydrocodone-D6	4.635	160004	182542	0.8765	49.6872
Norhydrocodone	Norhydrocodone-D3	4.679	6901	37540	0.1838	44.5783
Methamphetamine	Methamphetamine-D11	4.724	233205	139671	1.6697	41.9140
6-MAM	6-MAM-D6	4.869	6893	63454	0.1086	4.4890
Phentermine	Phentermine-D5	5.546	131214	214780	0.6109	51.5865
Dextrorphan	Dextrorphan-D3	6.042	234791	427316	0.5495	48.2639
7-aminoclonazepam	7-Aminoclonazepam-D4	6.134	412960	345701	1.1946	51.2804
Tramadol	Tramadol-13C-D3	6.159	1832113	1662830	1.1018	51.1043
Doxylamine	Doxylamine-D5	6.483	683677	730074	0.9364	49.1335
Bupropion	Bupropion-D9	6.750	202918	147472	1.3760	49.0159
Meprobamate	Meprobamate-D7	6.833	186414	134932	1.3815	52.8124
Zolpidem	Zolpidem-D6	6.842	1251488	1439609	0.8693	47.2718
Venlafaxine	Venlafaxine-D6	6.986	1138623	965018	1.1799	46.4907
Trazodone	Trazodone-D6	7.055	254696	170410	1.4946	49.4344
Citalopram	Citalopram-D6	7.118	242764	225266	1.0777	48.7423

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Dextromethorphan	Dextromethorphan-D3	7.150	71680	59985	1.1950	45.5864
Diphenhydramine	Diphenhydramine-D3	7.173	431236	480727	0.8970	49.5693
Promethazine	Promethazine-D3	7.368	226761	171147	1.3250	47.8738
Clonazepam	Clonazepam-D4	7.405	397562	66466	5.9815	50.3815
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.460	83784	78020	1.0739	47.0323
Carisoprodol	Carisoprodol-D7	7.494	428890	337063	1.2724	50.0476
Lorazepam	Alprazolam-D5	7.523	177173	547716	0.3235	53.2600
Alprazolam	Alprazolam-D5	7.547	865163	547716	1.5796	46.8379

ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1a wklst 2372 SP.batch.t		
Analysis Time	5/2/2018 9:49 AM	**Analyst Name**	ISPUser
Report Time	5/2/2018 11:19 AM	**Reporter Name**	ISPUser
Last Calib Update	5/2/2018 9:49 AM	**Batch State**	Processed

Analysis Info

Acq Time	2018-05-01 14:59	**Data File**	a cal 5-100ng.d
Sample Type	Calibration	**Sample Name**	a cal 5-100ng
Dilution	1	**Acq Method**	MD Quant Panel 1a 1-19-2018.m
Position	P1-D12	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 worklist 2372
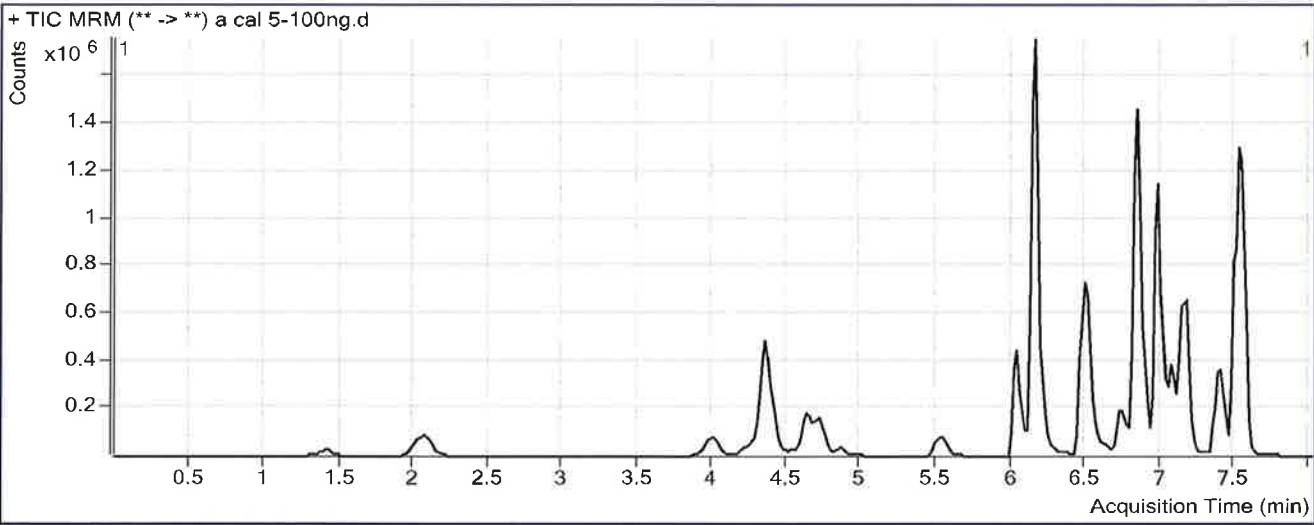
Sample Chromatogram

+ TIC MRM (** -> **) a cal 5-100ng.d

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.388	87413	16533	5.2870	97.9530
Hydromorphone	Hydromorphone-D6	2.069	314107	104837	2.9961	96.8746
Codeine	Codeine-D6	4.013	121879	52362	2.3276	90.4818
Oxycodone	Oxycodone-D6	4.350	1065381	348435	3.0576	97.4487
Amphetamine	Amphetamine-D11	4.364	703577	92755	7.5853	117.8355
Hydrocodone	Hydrocodone-D6	4.655	339937	188730	1.8012	101.1797
Norhydrocodone	Norhydrocodone-D3	4.679	15736	37841	0.4158	87.3863
Methamphetamine	Methamphetamine-D11	4.724	488240	118517	4.1196	102.7506
6-MAM	6-MAM-D6	4.869	14775	68726	0.2150	8.9325
Phentermine	Phentermine-D5	5.546	251584	217074	1.1590	96.8085
Dextrorphan	Dextrorphan-D3	6.042	461174	414967	1.1114	96.9890
7-aminoclonazepam	7-Aminoclonazepam-D4	6.134	824840	343884	2.3986	102.4276
Tramadol	Tramadol-13C-D3	6.159	3718815	1788239	2.0796	95.8414
Doxylamine	Doxylamine-D5	6.483	1284544	664045	1.9344	100.0006
Bupropion	Bupropion-D9	6.750	315597	109170	2.8909	101.4983
Meprobamate	Meprobamate-D7	6.833	367511	128995	2.8490	108.7767
Zolpidem	Zolpidem-D6	6.842	2838420	1544343	1.8379	98.5232
Venlafaxine	Venlafaxine-D6	6.986	2199238	944582	2.3283	89.8729
Trazodone	Trazodone-D6	7.055	544743	183062	2.9757	97.4039
Citalopram	Citalopram-D6	7.118	459001	207686	2.2101	98.9822

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Dextromethorphan	Dextromethorphan-D3	7.150	129192	48556	2.6607	99.9565
Diphenhydramine	Diphenhydramine-D3	7.173	802031	451172	1.7777	96.6167
Promethazine	Promethazine-D3	7.368	381669	143466	2.6603	93.9744
Clonazepam	Clonazepam-D4	7.405	764895	62004	12.3363	103.4259
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.480	159491	73588	2.1674	94.2473
Carisoprodol	Carisoprodol-D7	7.494	880095	345382	2.5482	99.8186
Lorazepam	Alprazolam-D5	7.523	312079	546224	0.5713	95.1542
Alprazolam	Alprazolam-D5	7.547	1784756	546224	3.2674	95.8440

ISP FORENSICS - Pocatello Instrument # 59740
# Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1a wklst 2372 SP.batch.b		
Analysis Time	5/2/2018 9:49 AM	**Analyst Name**	ISPUser
Report Time	5/2/2018 11:19 AM	**Reporter Name**	ISPUser
Last Calib Update	5/2/2018 9:49 AM	**Batch State**	Processed

Analysis Info

Acq Time	2018-05-01 15:30	**Data File**	a cal 6-250ng.d
Sample Type	Calibration	**Sample Name**	a cal 6-250ng
Dilution	1	**Acq Method**	MD Quant Panel 1a 1-19-2018.m
Position	P1-C12	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 worklist 2372
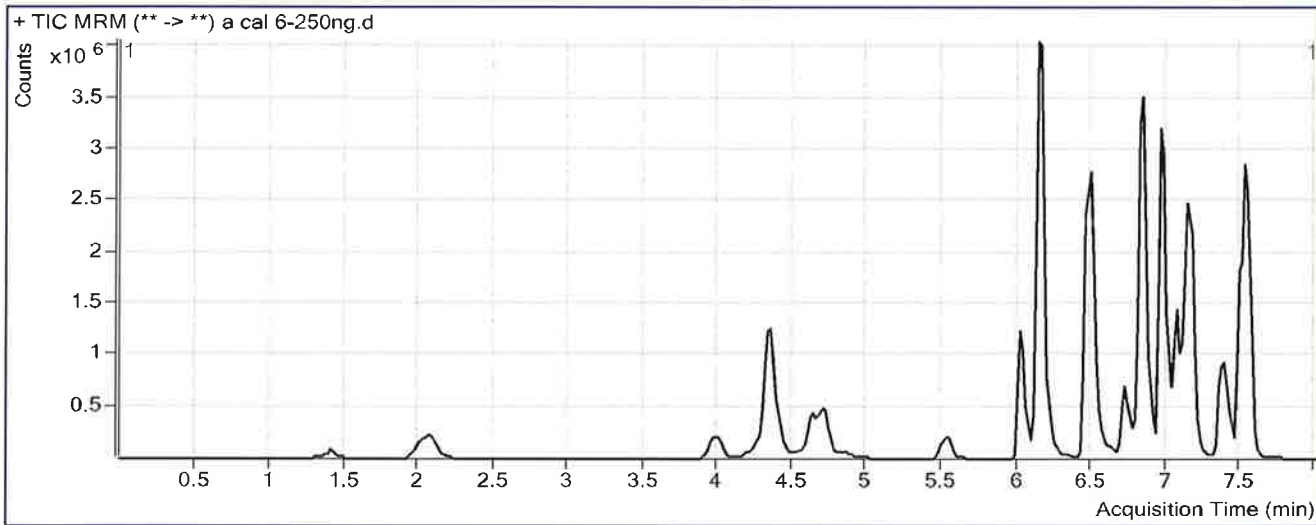
Sample Chromatogram

+ TIC MRM (** -> **) a cal 6-250ng.d

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.388	241888	17003	14.2261	261.5783
Hydromorphone	Hydromorphone-D6	2.069	906099	113768	7.9645	255.5606
Codeine	Codeine-D6	3.992	334862	53148	6.3006	240.9502
Oxycodone	Oxycodone-D6	4.350	3002443	390601	7.6867	242.0506
Amphetamine	Amphetamine-D11	4.344	2121293	121753	17.4230	273.4997
Hydrocodone	Hydrocodone-D6	4.635	972921	216652	4.4907	250.9573
Norhydrocodone	Norhydrocodone-D3	4.679	49771	41281	1.2057	233.1284
Methamphetamine	Methamphetamine-D11	4.724	1584118	147481	10.7411	267.1797
6-MAM	6-MAM-D6	4.849	47492	78076	0.6083	25.3634
Phentermine	Phentermine-D5	5.546	830161	284940	2.9135	241.5761
Dextrorphan	Dextrorphan-D3	6.022	1593896	532923	2.9909	259.9714
7-aminoclonazepam	7-Aminoclonazepam-D4	6.134	2001828	344551	5.8100	247.3407
Tramadol	Tramadol-13C-D3	6.159	11104114	2118558	5.2414	240.5022
Doxylamine	Doxylamine-D5	6.483	4893171	912099	5.3647	274.8449
Bupropion	Bupropion-D9	6.730	1163376	168814	6.8915	240.0958
Meprobamate	Meprobamate-D7	6.813	929649	129840	7.1599	273.1788
Zolpidem	Zolpidem-D6	6.842	8209517	1771242	4.6349	246.5143
Venlafaxine	Venlafaxine-D6	6.966	7822738	1217050	6.4276	244.7350
Trazodone	Trazodone-D6	7.055	2077675	272746	7.6176	247.7426
Citalopram	Citalopram-D6	7.118	1876571	330802	5.6728	252.6087

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Dextromethorphan	Dextromethorphan-D3	7.150	616671	96155	6.4133	239.1618
Diphenhydramine	Diphenhydramine-D3	7.173	3644077	734627	4.9604	266.6591
Promethazine	Promethazine-D3	7.368	1920721	272409	7.0509	245.5437
Clonazepam	Clonazepam-D4	7.405	1573341	50712	31.0251	259.4242
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.460	401161	67127	5.9762	258.7092
Carisoprodol	Carisoprodol-D7	7.494	1932619	315715	6.1214	239.2222
Lorazepam	Alprazolam-D5	7.523	613046	527094	1.1631	195.1683
Alprazolam	Alprazolam-D5	7.547	4453460	527094	8.4491	246.2899

ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1a wklst 2372 SP.batch.t		
Analysis Time	5/2/2018 9:49 AM	**Analyst Name**	ISPUser
Report Time	5/2/2018 11:19 AM	**Reporter Name**	ISPUser
Last Calib Update	5/2/2018 9:49 AM	**Batch State**	Processed

Analysis Info

Acq Time	2018-05-01 16:02	**Data File**	a cal 7-500ng.d
Sample Type	Calibration	**Sample Name**	a cal 7-500ng
Dilution	1	**Acq Method**	MD Quant Panel 1a 1-19-2018.m
Position	P1-B12	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 worklist 2372
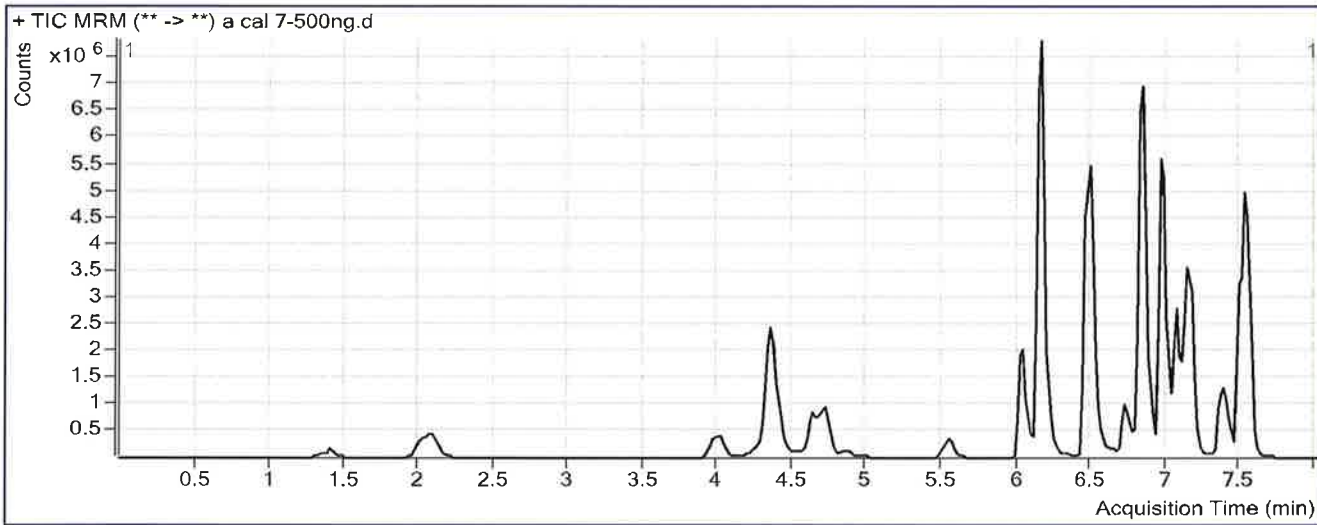
Sample Chromatogram

+ TIC MRM (** -> **) a cal 7-500ng.d

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.388	530375	18734	28.3114	519.4053
Hydromorphone	Hydromorphone-D6	2.089	1914714	111135	17.2287	551.4534
Codeine	Codeine-D6	3.992	664066	51109	12.9932	494.4166
Oxycodone	Oxycodone-D6	4.350	6292341	380061	16.5561	519.1091
Amphetamine	Amphetamine-D11	4.364	3595861	111614	32.2171	507.5918
Hydrocodone	Hydrocodone-D6	4.635	1936651	207860	9.3171	519.7351
Norhydrocodone	Norhydrocodone-D3	4.699	96504	33706	2.8631	538.9519
Methamphetamine	Methamphetamine-D11	4.724	3152130	157617	19.9986	497.0646
6-MAM	6-MAM-D6	4.869	95927	75786	1.2658	52.8321
Phentermine	Phentermine-D5	5.546	1365399	234437	5.8242	481.7464
Dextrorphan	Dextrorphan-D3	6.042	2866029	482328	5.9421	515.8885
7-aminoclonazepam	7-Aminoclonazepam-D4	6.134	3833641	305116	12.5645	534.2722
Tramadol	Tramadol-13C-D3	6.159	23315518	2063714	11.2978	517.6060
Doxylamine	Doxylamine-D5	6.483	8855784	945439	9.3668	478.8341
Bupropion	Bupropion-D9	6.730	1777355	118122	15.0468	522.6334
Meprobamate	Meprobamate-D7	6.833	1633579	120401	13.5678	517.5513
Zolpidem	Zolpidem-D6	6.842	16488398	1779369	9.2664	491.5768
Venlafaxine	Venlafaxine-D6	6.966	14790614	1131301	13.0740	495.8161
Trazodone	Trazodone-D6	7.055	4065978	249312	16.3088	529.2274
Citalopram	Citalopram-D6	7.118	2919448	248542	11.7463	522.0635

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Dextromethorphan	Dextromethorphan-D3	7.150	881125	64453	13.6709	508.3804
Diphenhydramine	Diphenhydramine-D3	7.173	5482907	556261	9.8567	528.2455
Promethazine	Promethazine-D3	7.368	2537274	171774	14.7710	512.0589
Clonazepam	Clonazepam-D4	7.405	2523080	44418	56.8037	474.6023
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.460	713065	58118	12.2692	530.4341
Carisoprodol	Carisoprodol-D7	7.494	3886624	294443	13.1999	515.3795
Lorazepam	Alprazolam-D5	7.523	1015372	450741	2.2527	379.3336
Alprazolam	Alprazolam-D5	7.547	8223038	450741	18.2434	530.6617

ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1a wklst 2372 SP.batch.t
Analysis Time	5/2/2018 9:49 AM	**Analyst Name**	ISPUser
Report Time	5/2/2018 11:19 AM	**Reporter Name**	ISPUser
Last Calib Update	5/2/2018 9:49 AM	**Batch State**	Processed

Analysis Info

Acq Time	2018-05-01 16:33	**Data File**	a cal 8-1000ng.d
Sample Type	Calibration	**Sample Name**	a cal 8-1000ng
Dilution	1	**Acq Method**	MD Quant Panel 1a 1-19-2018.m
Position	P1-A12	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 worklist 2372
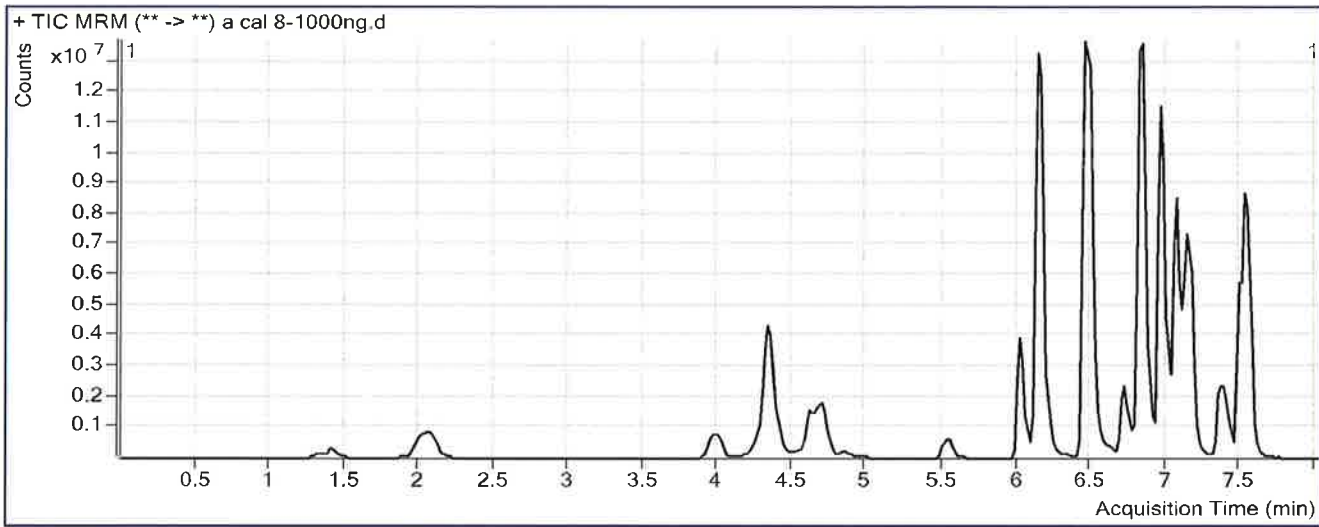
Sample Chromatogram

+ TIC MRM (** -> **) a cal 8-1000ng.d

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.388	1090955	16851	64.7397	1186.2112
Hydromorphone	Hydromorphone-D6	2.069	4004130	116049	34.5038	1103.2103
Codeine	Codeine-D6	3.972	1276226	47096	27.0986	1028.6319
Oxycodone	Oxycodone-D6	4.330	13258144	417622	31.7467	993.6271
Amphetamine	Amphetamine-D11	4.344	5761257	95708	60.1965	950.3192
Hydrocodone	Hydrocodone-D6	4.615	3832031	217933	17.5835	980.0823
Norhydrocodone	Norhydrocodone-D3	4.679	196539	32139	6.1152	1139.0247
Methamphetamine	Methamphetamine-D11	4.702	5981461	135258	44.2225	1098.5986
6-MAM	6-MAM-D6	4.849	210732	77687	2.7126	113.2771
Phentermine	Phentermine-D5	5.546	2803871	224891	12.4677	1029.9255
Dextrorphan	Dextrorphan-D3	6.022	5537547	440827	12.5617	1089.9164
7-aminoclonazepam	7-Aminoclonazepam-D4	6.134	6405374	281848	22.7264	965.9421
Tramadol	Tramadol-13C-D3	6.159	45473041	2090434	21.7529	995.9593
Doxylamine	Doxylamine-D5	6.463	25191460	1191163	21.1486	1079.3560
Bupropion	Bupropion-D9	6.730	4556504	148796	30.6226	1062.2444
Meprobamate	Meprobamate-D7	6.813	2794331	112328	24.8764	948.8168
Zolpidem	Zolpidem-D6	6.842	36633743	1909774	19.1822	1016.2387
Venlafaxine	Venlafaxine-D6	6.966	31311884	1158112	27.0370	1023.3004
Trazodone	Trazodone-D6	7.055	13126042	410655	31.9637	1036.2493
Citalopram	Citalopram-D6	7.118	6471859	256503	25.2311	1120.3301

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Dextromethorphan	Dextromethorphan-D3	7.150	1930276	71238	27.0961	1006.3902
Diphenhydramine	Diphenhydramine-D3	7.173	11123622	601604	18.4899	989.4813
Promethazine	Promethazine-D3	7.368	5821028	201028	28.9563	1001.7621
Clonazepam	Clonazepam-D4	7.405	4226505	33693	125.4423	1047.5392
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.460	1475343	56820	25.9653	1121.8202
Carisoprodol	Carisoprodol-D7	7.494	6708579	250595	26.7706	1044.8175
Lorazepam	Alprazolam-D5	7.523	1939567	406726	4.7687	804.5983
Alprazolam	Alprazolam-D5	7.547	15692752	406726	38.5831	1121.2135

|			
Batch Data Path	C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1b wklst 2372 SP.batch.b		
Analysis Time	5/2/2018 10:57 AM	**Analyst Name**	ISPUser
Report Time	5/2/2018 11:24 AM	**Reporter Name**	ISPUser
Last Calib Update	5/2/2018 10:57 AM	**Batch State**	Processed

Analysis Info

Acq Time	2018-05-01 17:36	**Data File**	b Negative control.d
Sample Type	Sample	**Sample Name**	b Negative control
Dilution	1	**Acq Method**	MD Quant Panel 1b 12-12-17.m
Position	P1-D11	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 worklist 2372

Sample Chromatogram

+ TIC MRM (** -> **) b Negative control.d
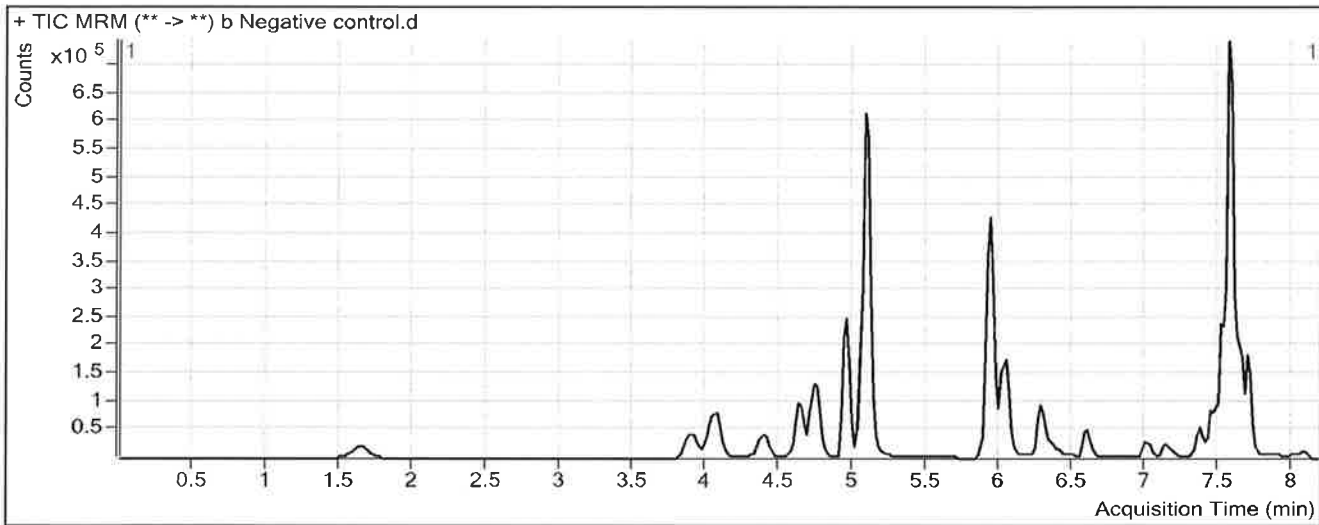
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Cyclobenzaprine	Cyclobenzaprine-D3	7.433	1319	48742	0.0271	3.1356 <5
Fluoxetine	Fluoxetine-D6	7.504	1869	156388	0.0119	1.2522 <25
Temazepam	Temazepam-D5	7.587	8147	2060450	0.0040	2.5206 <5

ISP FORENSICS - Pocatello Instrument # 59740
# Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1b wklst 2372 SP.batch.l		
Analysis Time	5/2/2018 10:57 AM	**Analyst Name**	ISPUser
Report Time	5/2/2018 11:24 AM	**Reporter Name**	ISPUser
Last Calib Update	5/2/2018 10:57 AM	**Batch State**	Processed

Analysis Info

Acq Time	2018-05-01 18:08	**Data File**	b External control-50ng mL.d
Sample Type	Sample	**Sample Name**	b External control-50ng mL
Dilution	1	**Acq Method**	MD Quant Panel 1b 12-12-17.m
Position	P1-C11	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28; WS121217 50 ng trazodone, ketamine, morphine, quetiapine

Sample Chromatogram

+ TIC MRM (** -> **) b External control-50ng mL.d
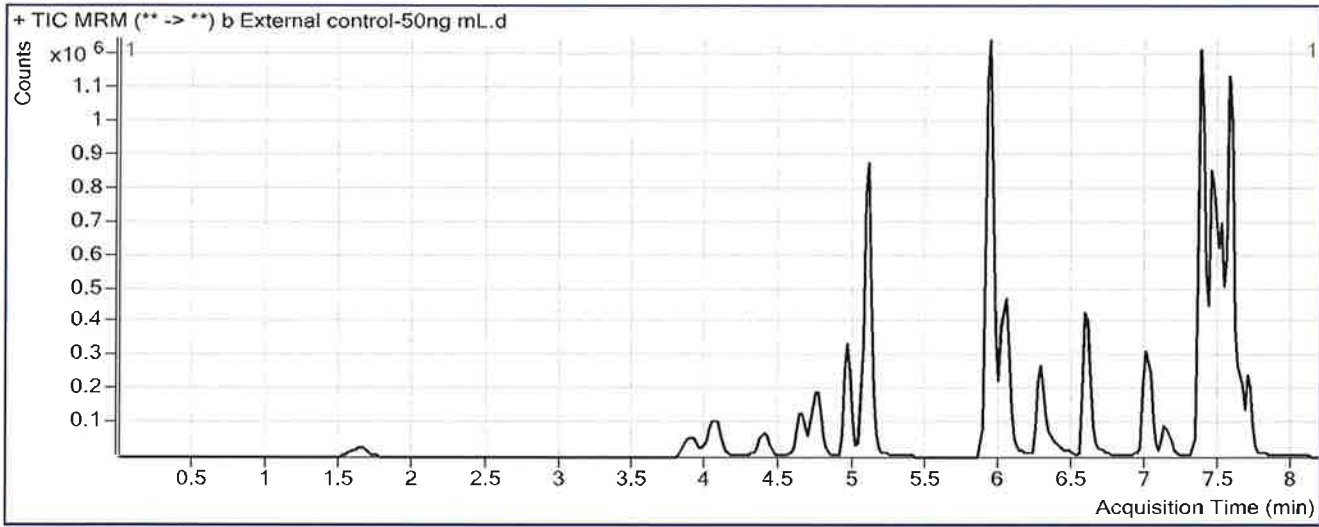
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.096	5032	3544116	0.0014	1.0064 <5
Ketamine	Ketamine-D4	5.921	1830464	1588125	1.1526	48.6030
Sufentanil	Sufentanil-D5	7.359	807	632347	0.0013	0.0718 <25
Quetiapine	Quetiapine-D8	7.360	2132252	551877	3.8636	33.9417
Fluoxetine	Fluoxetine-D6	7.523	2031	1221014	0.0017	0.7997 <25

ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1b wklst 2372 SP.batch.I		
Analysis Time	5/2/2018 4:04 PM	**Analyst Name**	ISPUser
Report Time	5/2/2018 4:07 PM	**Reporter Name**	ISPUser
Last Calib Update	5/2/2018 4:04 PM	**Batch State**	Processed

Analysis Info

Acq Time	2018-05-01 19:11	**Data File**	b QC 10 (QC1).d
Sample Type	QC	**Sample Name**	b QC 10 (QC1)
Dilution	1	**Acq Method**	MD Quant Panel 1b 12-12-17.m
Position	P1-H11	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 worklist 2372
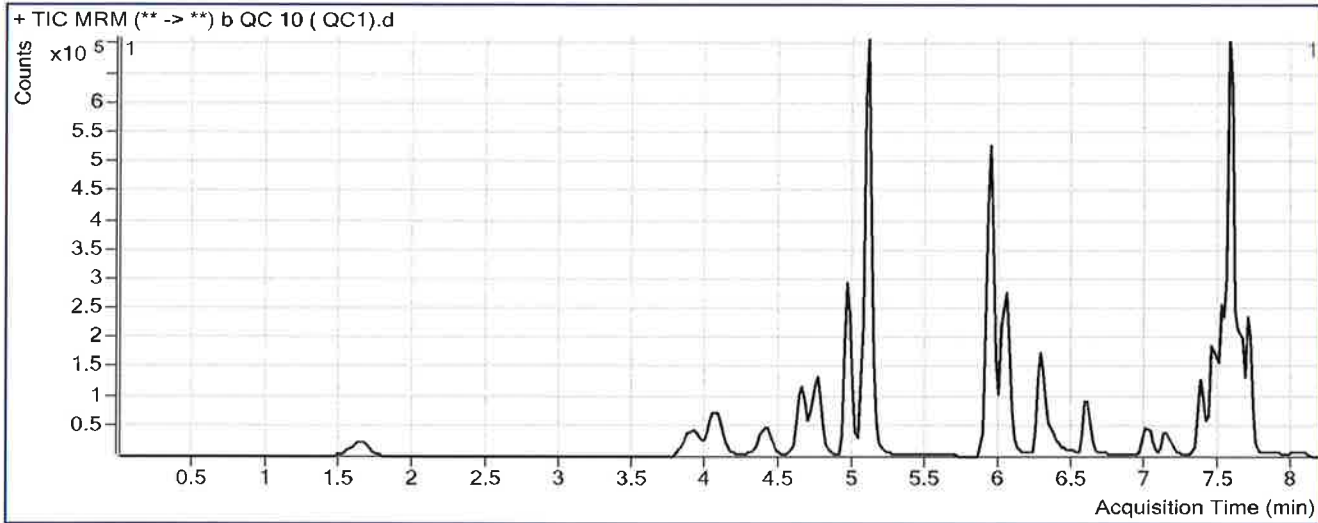
Sample Chromatogram

+ TIC MRM (** -> **) b QC 10 (QC1).d

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.668	46753	179860	0.2599	10.2193
Dihydrocodeine	Dihydrocodeine-D6	3.935	37578	234373	0.1603	10.0723
Naloxone	Naloxone-D5	4.112	66224	445113	0.1488	9.6090
Noroxycodone	Noroxycodone-D3	4.437	58653	224642	0.2611	9.7496
Naltrexone	Naltrexone-D3	4.671	76922	399604	0.1925	9.4494
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.804	12914	556845	0.0232	0.9272
Naltrexol	Naltrexol-D3	4.970	188487	874474	0.2155	9.6619
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.096	453951	2325415	0.1952	9.8651
Ketamine	Ketamine-D4	5.941	208541	980296	0.2127	9.7142
Norfentanyl	Norfentanyl-D5	5.964	16457	1007595	0.0163	1.2441
alpha-PVP	alpha-PVP-d8	6.288	122691	685179	0.1791	9.8969
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.621	4167	365249	0.0114	0.8536
~~Norbuprenorphine~~	~~Norbuprenorphine-D3~~	~~6.955~~	~~126~~	~~8987~~	~~0.0140~~	~~0.0000~~ _DNE_
Fentanyl	Fentanyl-D5	7.039	2097	178045	0.0118	0.6240
EDDP	EDDP-D3	7.150	22715	121589	0.1868	10.7838
~~Sufentanil~~	~~Sufentanil-D5~~	~~7.379~~	~~1953~~	~~84160~~	~~0.0232~~	~~1.0638~~ _outside curve range_
Quetiapine	Quetiapine-D8	7.360	143702	137011	1.0488	10.0714
Cyclobenzaprine	Cyclobenzaprine-D3	7.433	15615	59435	0.2627	11.0683
Methadone	Methadone-D9	7.463	100276	426333	0.2352	10.4110

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.504	33364	169269	0.1971	9.3978
Oxazepam	Oxazepam-D5	7.529	68524	466926	0.1468	10.2098
Sertraline	Sertraline-D3	7.565	14977	84953	0.1763	12.8593 outside curve range
Temazepam	Temazepam-D5	7.587	262224	1516671	0.1729	10.8691
Buprenorphine	Buprenorphine-D4	7.617	3713	100186	0.0371	1.0822 ONE
Nordiazepam	Nordiazepam-D5	7.655	126122	409101	0.3083	9.4412
Diazepam	Diazepam-D5	7.712	91624	402042	0.2279	9.8507

ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1b wklst 2372 SP.batch.l
Analysis Time	5/2/2018 10:57 AM **Analyst Name** ISPUser
Report Time	5/2/2018 11:24 AM **Reporter Name** ISPUser
Last Calib Update	5/2/2018 10:57 AM **Batch State** Processed

Analysis Info

Acq Time	2018-05-01 21:16	**Data File**	b QC 100 (QC2).d
Sample Type	QC	**Sample Name**	b QC 100 (QC2)
Dilution	1	**Acq Method**	MD Quant Panel 1b 12-12-17.m
Position	P1-G11	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 worklist 2372
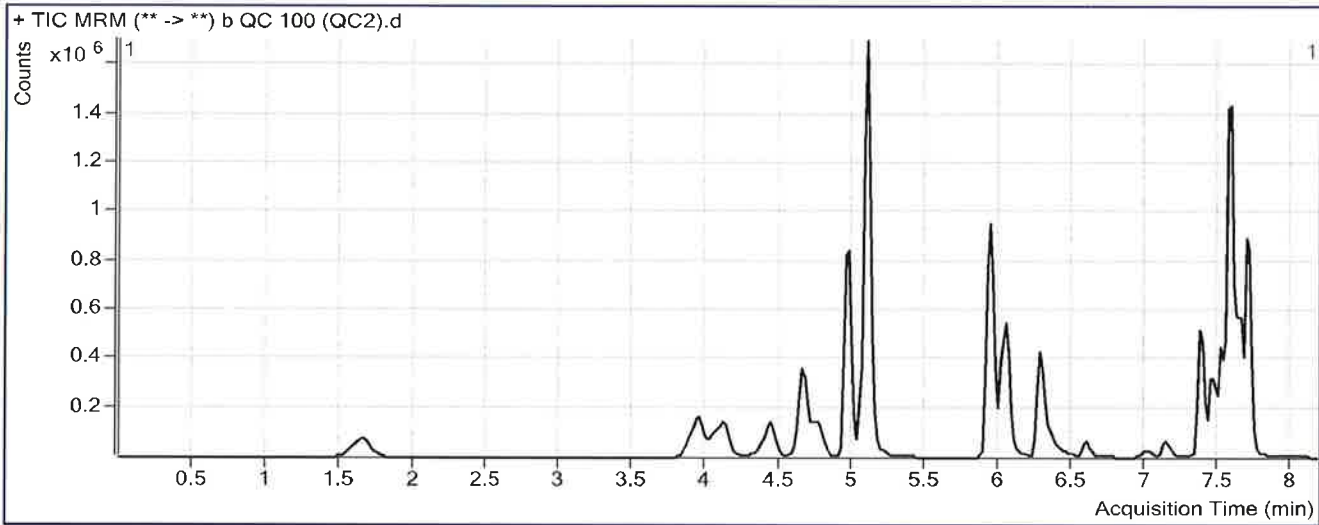
Sample Chromatogram

+ TIC MRM (** -> **) b QC 100 (QC2).d

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.668	471348	165890	2.8413	90.0003
Dihydrocodeine	Dihydrocodeine-D6	3.955	374883	216090	1.7348	94.5078
Naloxone	Naloxone-D5	4.132	626487	372661	1.6811	94.1978
Noroxycodone	Noroxycodone-D3	4.437	529168	181056	2.9227	90.8136
Naltrexone	Naltrexone-D3	4.651	719794	349233	2.0611	93.7456
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.804	124463	523077	0.2379	8.7153
Naltrexol	Naltrexol-D3	4.970	1872750	819618	2.2849	90.9715
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.096	4313431	2153655	2.0028	92.4954
Ketamine	Ketamine-D4	5.941	1935177	881752	2.1947	91.7221
Norfentanyl	Norfentanyl-D5	5.984	149103	860765	0.1732	8.3703
alpha-PVP	alpha-PVP-d8	6.288	964419	491430	1.9625	100.0390
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.621	21846	192637	0.1134	7.8749
~~Norbuprenorphine~~	~~Norbuprenorphine-D3~~	~~6.935~~	~~987~~	~~5271~~	~~0.1873~~	~~9.7104~~ DNE
Fentanyl	Fentanyl-D5	7.019	13665	99238	0.1377	7.8502
EDDP	EDDP-D3	7.150	128808	66366	1.9409	90.7501
Sufentanil	Sufentanil-D5	7.379	11343	51471	0.2204	9.9844
Quetiapine	Quetiapine-D8	7.360	1063708	99816	10.6567	91.5491
Cyclobenzaprine	Cyclobenzaprine-D3	7.433	107258	39233	2.7339	94.2497
Methadone	Methadone-D9	7.463	522525	215284	2.4271	96.4744

ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report b QC 100

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.504	242474	129011	1.8795	83.4097
Oxazepam	Oxazepam-D5	7.529	420187	275884	1.5231	85.8852
Sertraline	Sertraline-D3	7.565	126349	63012	2.0051	94.7969
Temazepam	Temazepam-D5	7.587	2166677	1371043	1.5803	80.4191
~~Buprenorphine~~	~~Buprenorphine-D4~~	~~7.597~~	~~14979~~	~~51404~~	~~0.2914~~	~~8.1174~~ DNE
Nordiazepam	Nordiazepam-D5	7.655	1069734	324572	3.2958	92.9871
Diazepam	Diazepam-D5	7.712	936140	362923	2.5794	96.6294

ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1b wklst 2372 SP.batch.l		
Analysis Time	5/2/2018 10:57 AM	**Analyst Name**	ISPUser
Report Time	5/2/2018 11:25 AM	**Reporter Name**	ISPUser
Last Calib Update	5/2/2018 10:57 AM	**Batch State**	Processed

Analysis Info

Acq Time	2018-05-01 23:38	**Data File**	b QC 250 (QC 3).d
Sample Type	QC	**Sample Name**	b QC 250 (QC 3)
Dilution	1	**Acq Method**	MD Quant Panel 1b 12-12-17.m
Position	P1-F11	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 worklist 2372
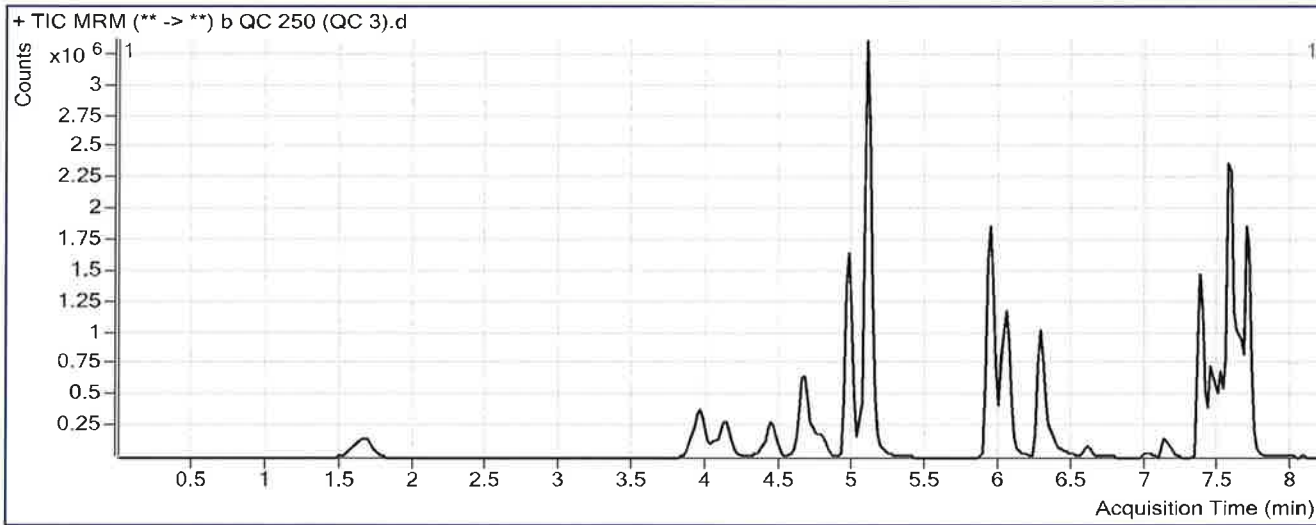
Sample Chromatogram

+ TIC MRM (** -> **) b QC 250 (QC 3).d

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.668	1055770	135094	7.8151	243.7202
Dihydrocodeine	Dihydrocodeine-D6	3.955	869905	189838	4.5823	247.2087
Naloxone	Naloxone-D5	4.132	1364876	297552	4.5870	254.6099
Noroxycodone	Noroxycodone-D3	4.437	1179398	151468	7.7864	238.9498
Naltrexone	Naltrexone-D3	4.671	1515366	267702	5.6606	256.1309
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.804	336254	512768	0.6558	23.8678
Naltrexol	Naltrexol-D3	4.970	4159526	681927	6.0997	240.8616
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.096	10858280	2039910	5.3229	244.2628
Ketamine	Ketamine-D4	5.941	5084805	884493	5.7488	238.7822
Norfentanyl	Norfentanyl-D5	5.984	434776	887702	0.4898	22.7490
alpha-PVP	alpha-PVP-d8	6.288	2526748	518842	4.8700	246.9975
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.601	65543	199561	0.3284	22.6776
~~Norbuprenorphine~~	~~Norbuprenorphine-D3~~	6.935	1846	5090	0.3627	19.5876 DNE
Fentanyl	Fentanyl-D5	7.019	36439	90391	0.4031	23.0814
EDDP	EDDP-D3	7.130	346829	65081	5.3292	245.2203
Sufentanil	Sufentanil-D5	7.379	20331	46609	0.4362	19.7480
Quetiapine	Quetiapine-D8	7.360	3314718	115396	28.7248	244.7713
Cyclobenzaprine	Cyclobenzaprine-D3	7.433	258969	37294	6.9439	235.9637
Methadone	Methadone-D9	7.463	1257091	216886	5.7961	228.7527

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.504	650504	115316	5.6411	248.8899
Oxazepam	Oxazepam-D5	7.529	620409	139494	4.4476	246.6878
Sertraline	Sertraline-D3	7.565	302004	52889	5.7102	260.7927
Temazepam	Temazepam-D5	7.587	4593064	1025027	4.4809	223.7577
~~Buprenorphine~~	~~Buprenorphine-D4~~	~~7.597~~	~~44871~~	~~44517~~	~~1.0079~~	~~27.9380~~ DNE
Nordiazepam	Nordiazepam-D5	7.655	2094787	249441	8.3979	235.6658
Diazepam	Diazepam-D5	7.692	2168676	334340	6.4864	240.8089

ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1b wklst 2372 SP.batch.l		
Analysis Time	5/2/2018 10:57 AM	**Analyst Name**	ISPUser
Report Time	5/2/2018 11:25 AM	**Reporter Name**	ISPUser
Last Calib Update	5/2/2018 10:57 AM	**Batch State**	Processed

Analysis Info

Acq Time	2018-05-02 02:15	**Data File**	b QC 1000 (QC4).d
Sample Type	QC	**Sample Name**	b QC 1000 (QC4)
Dilution	1	**Acq Method**	MD Quant Panel 1b 12-12-17.m
Position	P1-E11	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 worklist 2372
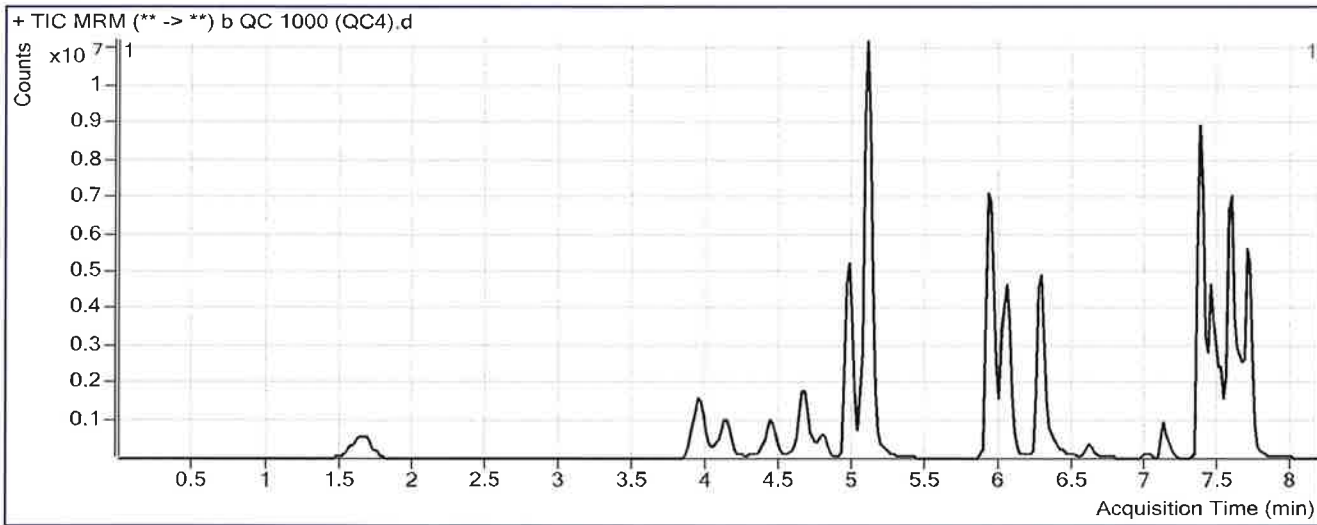
Sample Chromatogram

+ TIC MRM (** -> **) b QC 1000 (QC4).d

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.668	4624908	146448	31.5806	978.2245
Dihydrocodeine	Dihydrocodeine-D6	3.935	3770024	217028	17.3711	933.0246
Naloxone	Naloxone-D5	4.132	5240045	248320	21.1020	1166.2752
Noroxycodone	Noroxycodone-D3	4.437	4605081	137511	33.4887	1021.7683
Naltrexone	Naltrexone-D3	4.671	4649658	210523	22.0862	997.1272
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.804	1762661	571290	3.0854	111.9801
Naltrexol	Naltrexol-D3	4.970	15813833	638828	24.7544	973.8471
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.096	46128695	2124653	21.7112	993.4021
Ketamine	Ketamine-D4	5.921	24147416	1026291	23.5288	974.4668
Norfentanyl	Norfentanyl-D5	5.984	2199602	947065	2.3225	105.9971
alpha-PVP	alpha-PVP-d8	6.288	12087770	624981	19.3410	978.4331
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.601	504515	324921	1.5527	106.9565
~~Norbuprenorphine~~	~~Norbuprenorphine-D3~~	~~6.935~~	~~11746~~	~~5858~~	~~2.0051~~	~~112.0534~~ DNE ₱
Fentanyl	Fentanyl-D5	7.019	243856	131230	1.8582	106.5836
EDDP	EDDP-D3	7.130	2105469	94374	22.3099	1019.3635
Sufentanil	Sufentanil-D5	7.379	163289	70552	2.3144	104.7227
Quetiapine	Quetiapine-D8	7.360	20857410	177916	117.2318	995.3359
Cyclobenzaprine	Cyclobenzaprine-D3	7.433	1774337	63439	27.9693	943.6964
Methadone	Methadone-D9	7.443	8010054	308815	25.9380	1019.5996

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.504	3126863	134317	23.2798	1024.8587
Oxazepam	Oxazepam-D5	7.509	1716460	88671	19.3577	1066.5153
Sertraline	Sertraline-D3	7.565	1444386	62928	22.9529	1033.3148
Temazepam	Temazepam-D5	7.587	14257320	704487	20.2379	1002.4152
~~Buprenorphine~~	~~Buprenorphine-D4~~	~~7.597~~	~~215719~~	~~37716~~	~~5.7195~~	~~158.2673~~ DNE
Nordiazepam	Nordiazepam-D5	7.655	5409518	145528	37.1716	1040.3126
Diazepam	Diazepam-D5	7.692	7367830	281458	26.1773	967.4582

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1b wklst 2372 SP.batch.bin	
Last Calib Update	5/2/2018 10:57 AM	**Analyst Name** ISP TOX

Target Compound Oxymorphone
Internal Standard *Oxymorphone-D3*

Oxymorphone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.032356 * x - 0.070718$
$R^2 = 0.99910485$
Type:Linear, Origin:Ignore, Weight:1/x
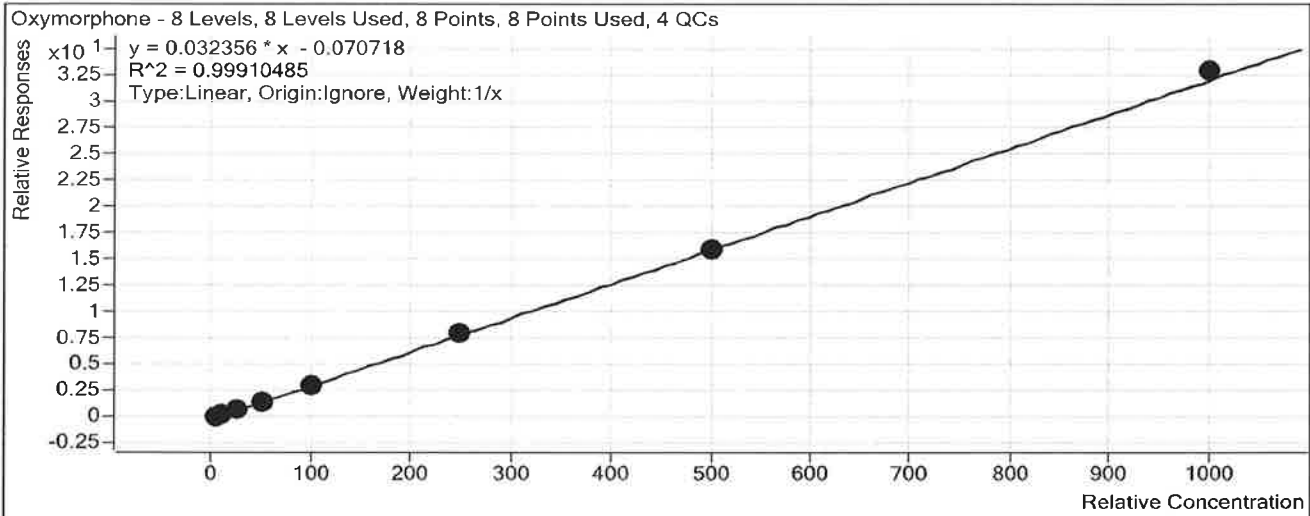
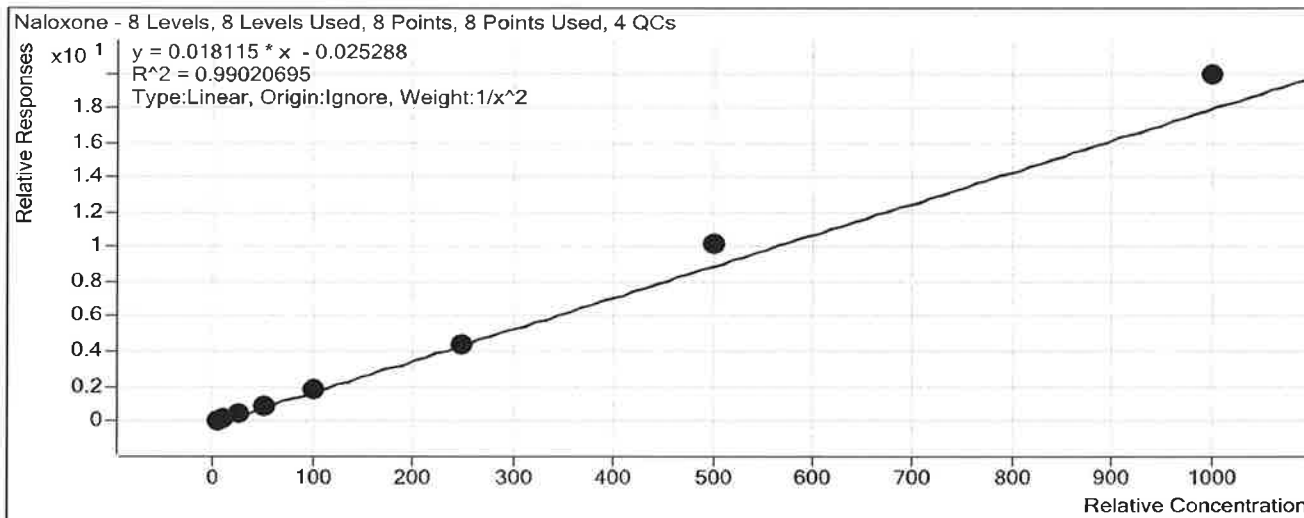| Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	☑	5	6.1	121.8
b cal 2-10ng	2	☑	10	10.1	100.7
b QC 10 (QC1)	2	☑	10	10.2	102.2
b cal 3-25ng	3	☑	25	23.2	93.0
b cal 4-50ng	4	☑	50	44.5	89.0
b cal 5-100ng	5	☑	100	96.2	96.2
b QC 100 (QC2)	5	☑	100	90.0	90.0
b cal 6-250ng	6	☑	250	246.2	98.5
b QC 250 (QC 3)	6	☑	250	243.7	97.5
b cal 7-500ng	7	☑	500	494.6	98.9
b cal 8-1000ng	8	☑	1000	1019.1	101.9
b QC 1000 (QC4)	8	☑	1000	978.2	97.8

Calibration Curve Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1b wklst 2372 SP.batch.bin

Last Calib Update	5/2/2018 10:57 AM	Analyst Name	ISP TOX

Target Compound   *Dihydrocodeine*
Internal Standard   *Dihydrocodeine-D6*

Dihydrocodeine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.018648 * x - 0.027489$
$R^2 = 0.99922334$
Type:Linear, Origin:Ignore, Weight:1/x
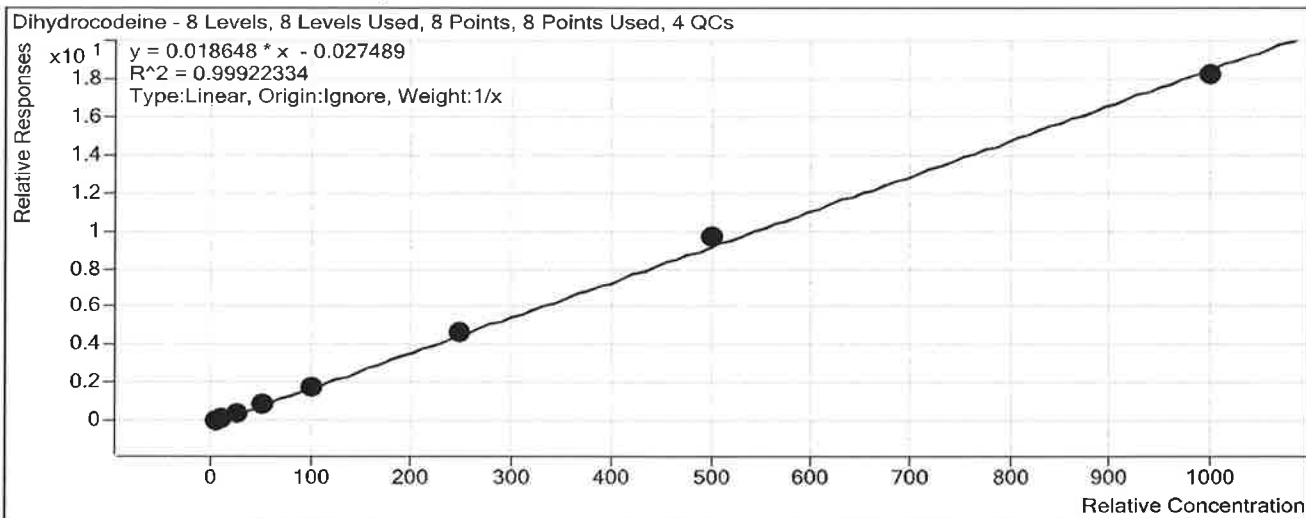
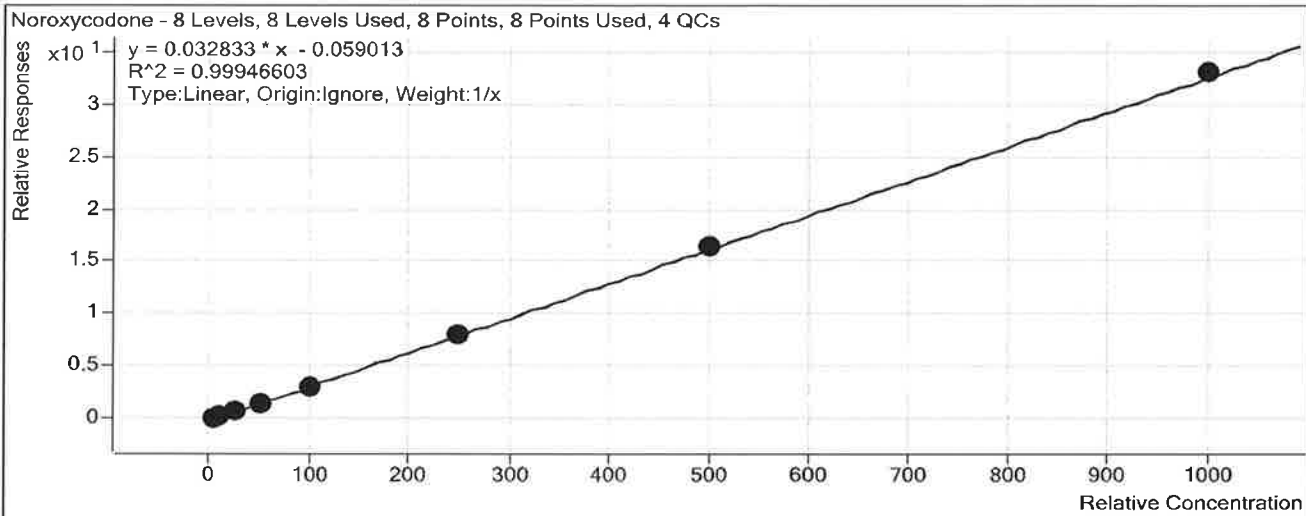| Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	☑	5	5.3	106.1
b cal 2-10ng	2	☑	10	9.5	95.4
b QC 10 (QC1)	2	☑	10	10.1	100.7
b cal 3-25ng	3	☑	25	24.2	96.7
b cal 4-50ng	4	☑	50	49.1	98.2
b cal 5-100ng	5	☑	100	100.2	100.2
b QC 100 (QC2)	5	☑	100	94.5	94.5
b cal 6-250ng	6	☑	250	254.4	101.8
b QC 250 (QC 3)	6	☑	250	247.2	98.9
b cal 7-500ng	7	☑	500	519.2	103.8
b cal 8-1000ng	8	☑	1000	978.1	97.8
b QC 1000 (QC4)	8	☑	1000	933.0	93.3

ISP Forensics
Calibration Curve Report

Batch Data Path   C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1b wklst 2372 SP.batch.bin

Last Calib Update   5/2/2018 10:57 AM   **Analyst Name**   ISP TOX

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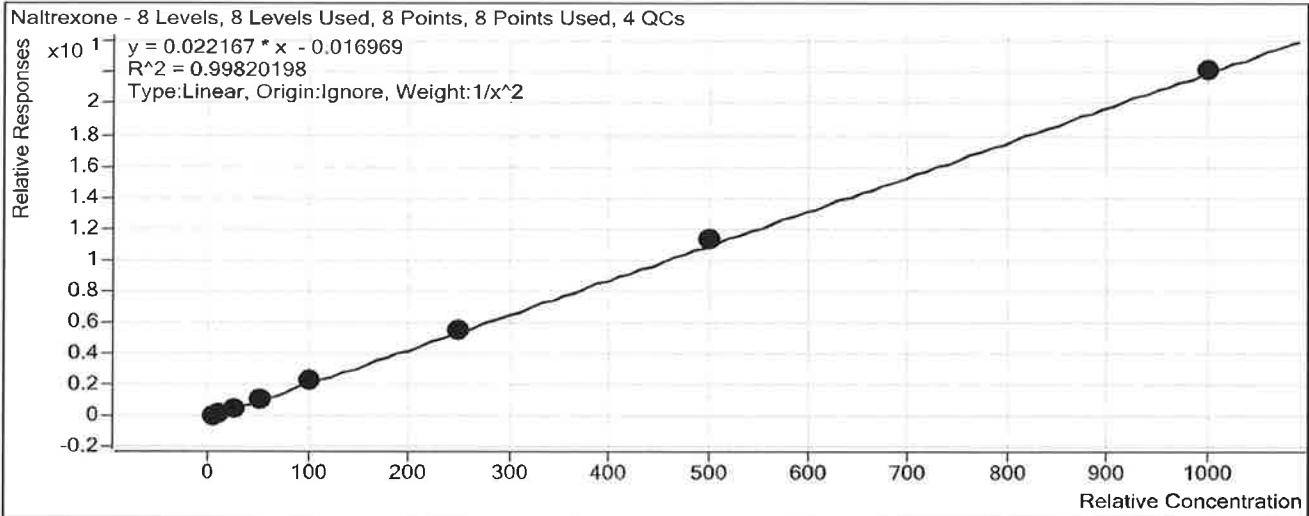**Internal Standard**   *Naloxone-D5*

Naloxone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.018115 * x - 0.025288$
$R^2 = 0.99020695$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	☑	5	5.3	105.9
b cal 2-10ng	2	☑	10	9.4	93.9
b QC 10 (QC1)	2	☑	10	9.6	96.1
b cal 3-25ng	3	☑	25	22.6	90.4
b cal 4-50ng	4	☑	50	44.8	89.6
b cal 5-100ng	5	☑	100	99.7	99.7
b QC 100 (QC2)	5	☑	100	94.2	94.2
b cal 6-250ng	6	☑	250	246.0	98.4
b QC 250 (QC 3)	6	☑	250	254.6	101.8
b cal 7-500ng	7	☑	500	560.6	112.1
b cal 8-1000ng	8	☑	1000	1099.7	110.0
b QC 1000 (QC4)	8	☑	1000	1166.3	116.6

istdnew1.xlsx

Batch Data Path   C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1b wklst 2372 SP.batch.bin

Last Calib Update   5/2/2018 10:57 AM   **Analyst Name**   ISP TOX

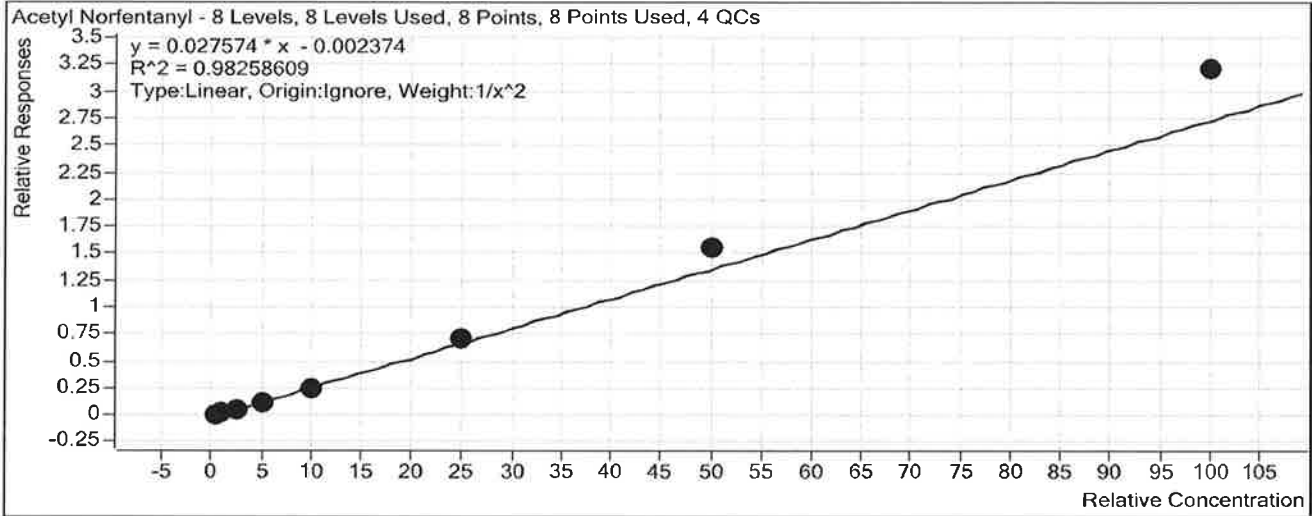## Target Compound   Noroxycodone
Internal Standard   *Noroxycodone-D3*

Noroxycodone – 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.032833 * x - 0.059013$
$R^2 = 0.99946603$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	☑	5	5.9	118.9
b cal 2-10ng	2	☑	10	9.9	99.5
b QC 10 (QC1)	2	☑	10	9.7	97.5
b cal 3-25ng	3	☑	25	22.6	90.4
b cal 4-50ng	4	☑	50	48.0	95.9
b cal 5-100ng	5	☑	100	95.7	95.7
b QC 100 (QC2)	5	☑	100	90.8	90.8
b cal 6-250ng	6	☑	250	244.0	97.6
b QC 250 (QC 3)	6	☑	250	238.9	95.6
b cal 7-500ng	7	☑	500	505.5	101.1
b cal 8-1000ng	8	☑	1000	1008.3	100.8
b QC 1000 (QC4)	8	☑	1000	1021.8	102.2

Batch Data Path   C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1b wklst 2372 SP.batch.bin

Last Calib Update   5/2/2018 10:57 AM   **Analyst Name**   ISP TOX

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

Naltrexone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.022167 * x - 0.016969$
$R^2 = 0.99820198$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	☑	5	5.2	103.4
b cal 2-10ng	2	☑	10	9.5	95.0
b QC 10 (QC1)	2	☑	10	9.4	94.5
b cal 3-25ng	3	☑	25	23.6	94.6
b cal 4-50ng	4	☑	50	49.7	99.4
b cal 5-100ng	5	☑	100	104.5	104.5
b QC 100 (QC2)	5	☑	100	93.7	93.7
b cal 6-250ng	6	☑	250	250.6	100.2
b QC 250 (QC 3)	6	☑	250	256.1	102.5
b cal 7-500ng	7	☑	500	514.4	102.9
b cal 8-1000ng	8	☑	1000	1000.0	100.0
b QC 1000 (QC4)	8	☑	1000	997.1	99.7

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1b wklst 2372 SP.batch.bin
Last Calib Update	5/2/2018 10:57 AM **Analyst Name** ISP TOX

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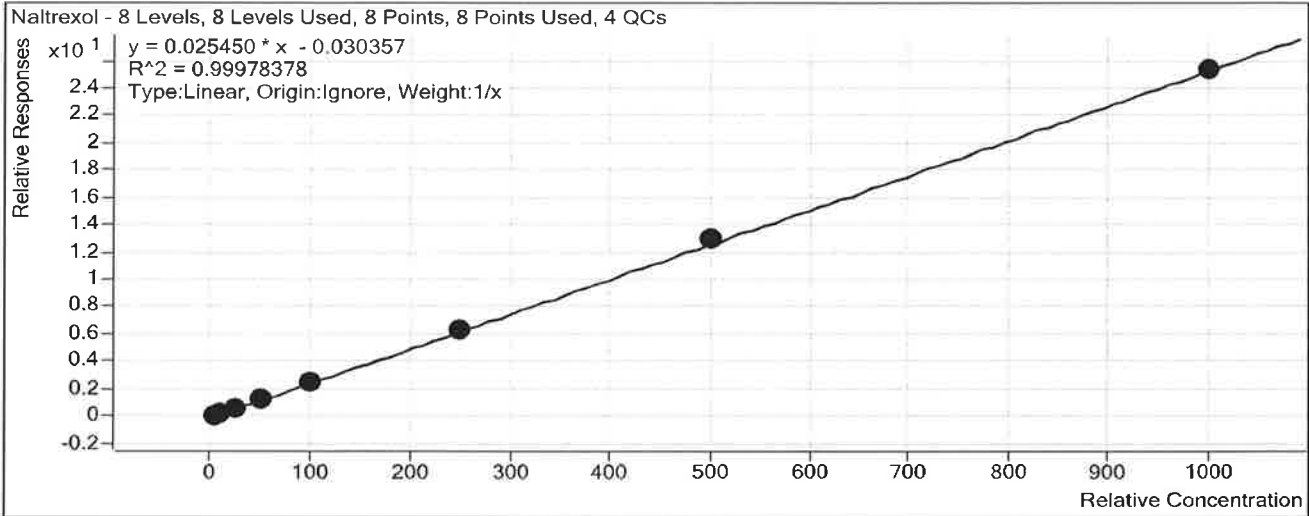*Internal Standard* *Acetyl Norfentanyl-D5*

Acetyl Norfentanyl - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.027574 * x - 0.002374$
$R^2 = 0.98258609$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	☑	0.5	0.5	108.2
b cal 2-10ng	2	☑	1	0.9	91.1
b QC 10 (QC1)	2	☑	1	0.9	92.7
b cal 3-25ng	3	☑	2.5	2.2	87.4
b cal 4-50ng	4	☑	5	4.4	88.6
b cal 5-100ng	5	☑	10	9.3	92.7
b QC 100 (QC2)	5	☑	10	8.7	87.2
b cal 6-250ng	6	☑	25	25.7	102.6
b QC 250 (QC 3)	6	☑	25	23.9	95.5
b cal 7-500ng	7	☑	50	56.5	113.0
b cal 8-1000ng	8	☑	100	116.4	116.4
b QC 1000 (QC4)	8	☑	100	112.0	112.0

Batch Data Path   C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1b wklst 2372 SP.batch.bin

Last Calib Update   5/2/2018 10:57 AM   **Analyst Name**   ISP TOX

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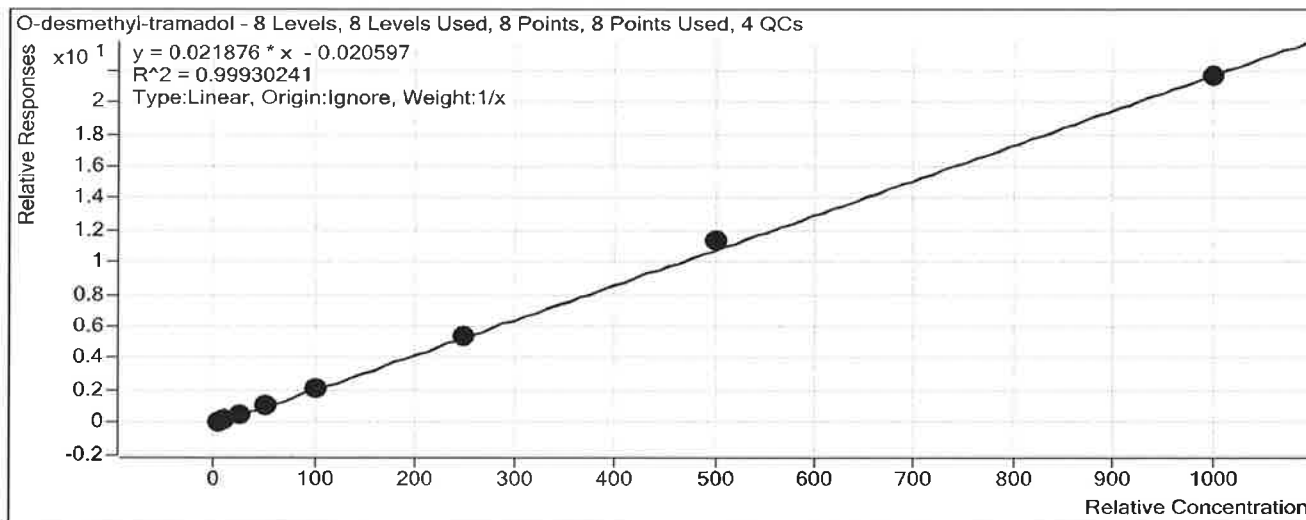*Internal Standard*   *Naltrexol-D3*

Naltrexol - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.025450 * x - 0.030357$
$R^2 = 0.99978378$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	☑	5	5.4	108.9
b cal 2-10ng	2	☑	10	9.8	98.4
b QC 10 (QC1)	2	☑	10	9.7	96.6
b cal 3-25ng	3	☑	25	24.0	96.2
b cal 4-50ng	4	☑	50	49.1	98.1
b cal 5-100ng	5	☑	100	97.6	97.6
b QC 100 (QC2)	5	☑	100	91.0	91.0
b cal 6-250ng	6	☑	250	248.0	99.2
b QC 250 (QC 3)	6	☑	250	240.9	96.3
b cal 7-500ng	7	☑	500	509.9	102.0
b cal 8-1000ng	8	☑	1000	996.2	99.6
b QC 1000 (QC4)	8	☑	1000	973.8	97.4

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1b wklst 2372 SP.batch.bin		
Last Calib Update	5/2/2018 10:57 AM	**Analyst Name**	ISP TOX

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

O-desmethyl-tramadol - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.021876 * x - 0.020597$
$R^2 = 0.99930241$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	☑	5	5.4	107.9
b cal 2-10ng	2	☑	10	10.1	100.6
b QC 10 (QC1)	2	☑	10	9.9	98.7
b cal 3-25ng	3	☑	25	23.6	94.6
b cal 4-50ng	4	☑	50	49.7	99.5
b cal 5-100ng	5	☑	100	96.2	96.2
b QC 100 (QC2)	5	☑	100	92.5	92.5
b cal 6-250ng	6	☑	250	245.5	98.2
b QC 250 (QC 3)	6	☑	250	244.3	97.7
b cal 7-500ng	7	☑	500	519.9	104.0
b cal 8-1000ng	8	☑	1000	989.5	98.9
b QC 1000 (QC4)	8	☑	1000	993.4	99.3

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1b wklst 2372 SP.batch.bin
Last Calib Update	5/2/2018 10:57 AM **Analyst Name** ISP TOX

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

Ketamine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.024168 * x - 0.022041$
$R^2 = 0.99787412$
Type:Linear, Origin:Ignore, Weight:$1/x^2$
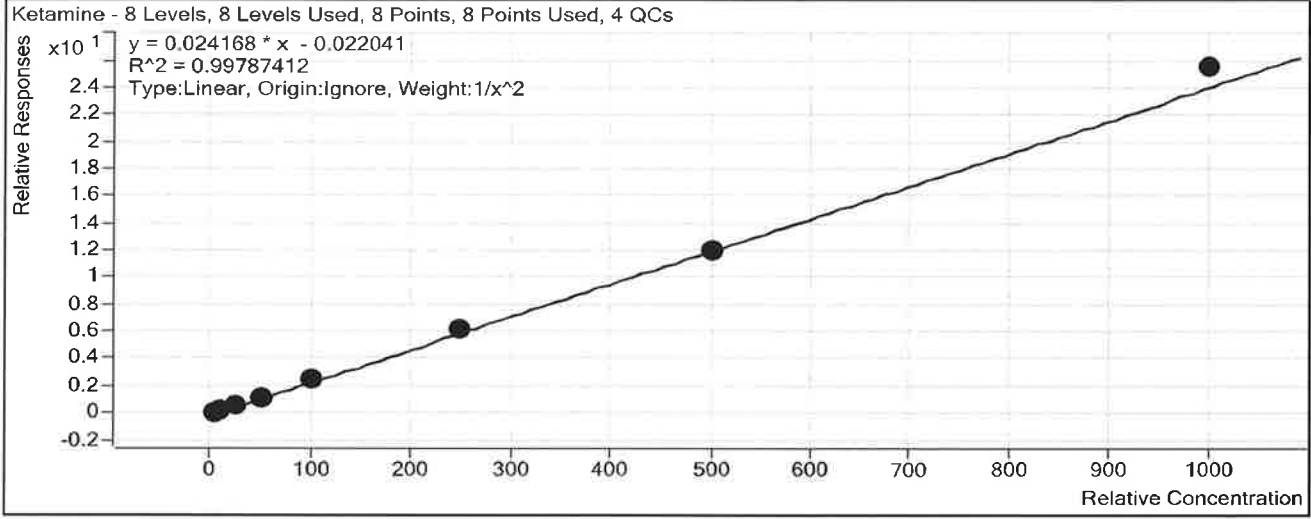
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	☑	5	5.1	102.0
b cal 2-10ng	2	☑	10	9.9	99.2
b QC 10 (QC1)	2	☑	10	9.7	97.1
b cal 3-25ng	3	☑	25	23.5	94.0
b cal 4-50ng	4	☑	50	47.3	94.6
b cal 5-100ng	5	☑	100	101.2	101.2
b QC 100 (QC2)	5	☑	100	91.7	91.7
b cal 6-250ng	6	☑	250	258.2	103.3
b QC 250 (QC 3)	6	☑	250	238.8	95.5
b cal 7-500ng	7	☑	500	500.5	100.1
b cal 8-1000ng	8	☑	1000	1055.7	105.6
b QC 1000 (QC4)	8	☑	1000	974.5	97.4

Batch Data Path   C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1b wklst 2372 SP.batch.bin

Last Calib Update   5/2/2018 10:57 AM   **Analyst Name**   ISP TOX

__Target Compound__   *Norfentanyl*
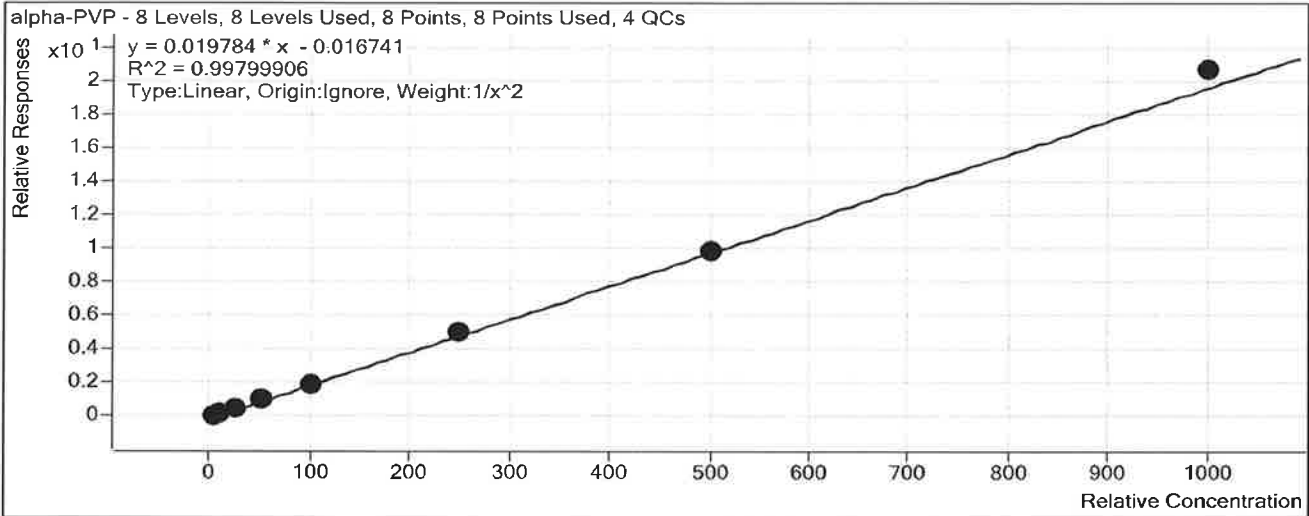*Internal Standard*   *Norfentanyl-D5*

Norfentanyl - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs

$y = 0.022016 * x - 0.011057$
$R^2 = 0.99731088$
Type:Linear, Origin:Ignore, Weight:1/x
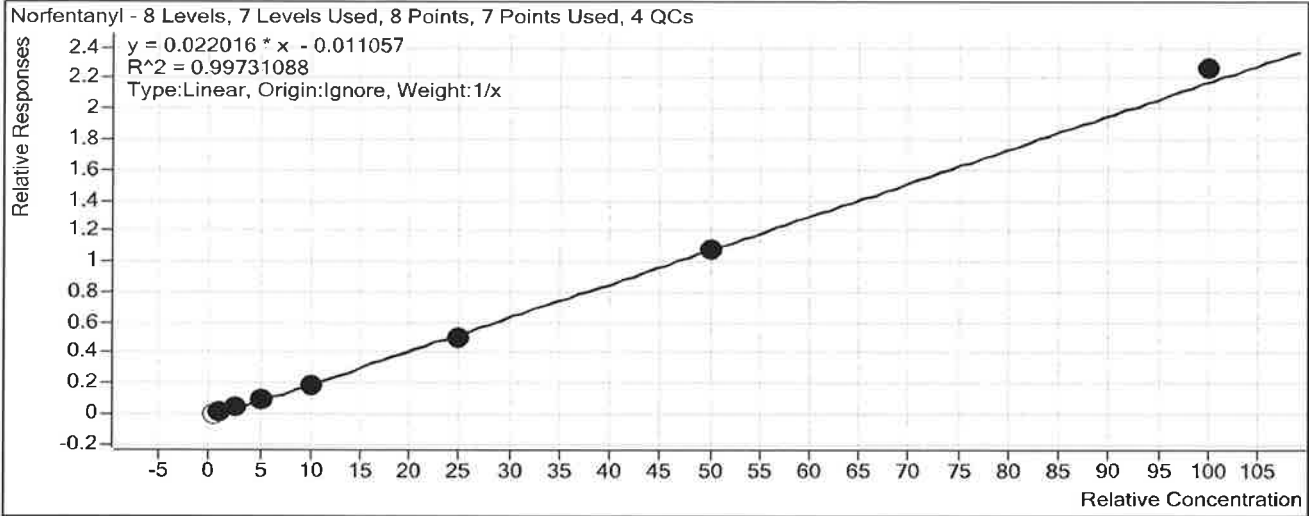
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	☐	0.5	0.8	169.7
b cal 2-10ng	2	☑	1	1.3	126.2
b QC 10 (QC1)	2	☑	1	1.2	124.4
b cal 3-25ng	3	☑	2.5	2.4	97.5
b cal 4-50ng	4	☑	5	4.5	90.5
b cal 5-100ng	5	☑	10	9.0	90.1
b QC 100 (QC2)	5	☑	10	8.4	83.7
b cal 6-250ng	6	☑	25	23.2	92.8
b QC 250 (QC 3)	6	☑	25	22.7	91.0
b cal 7-500ng	7	☑	50	49.8	99.6
b cal 8-1000ng	8	☑	100	103.2	103.2
b QC 1000 (QC4)	8	☑	100	106.0	106.0

Batch Data Path   C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1b wklst 2372 SP.batch.bin

Last Calib Update   5/2/2018 10:57 AM   **Analyst Name**   ISP TOX

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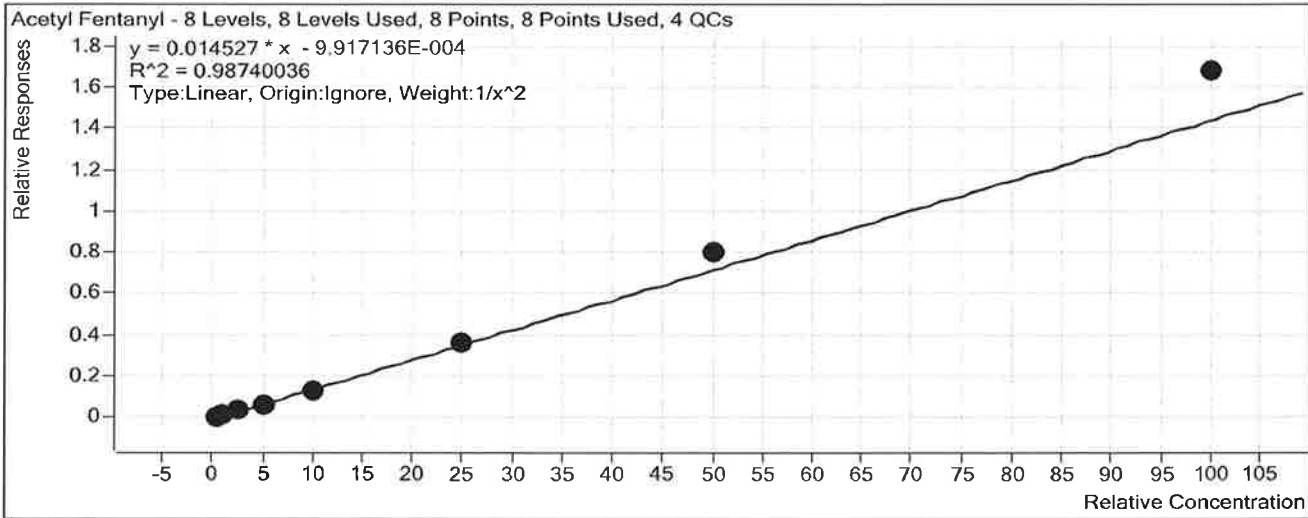*Internal Standard*   *alpha-PVP-d8*

alpha-PVP - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.019784 * x - 0.016741$
$R^2 = 0.99799906$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	☑	5	5.1	102.7
b cal 2-10ng	2	☑	10	9.7	97.0
b QC 10 (QC1)	2	☑	10	9.9	99.0
b cal 3-25ng	3	☑	25	23.1	92.4
b cal 4-50ng	4	☑	50	51.4	102.9
b cal 5-100ng	5	☑	100	99.3	99.3
b QC 100 (QC2)	5	☑	100	100.0	100.0
b cal 6-250ng	6	☑	250	251.5	100.6
b QC 250 (QC 3)	6	☑	250	247.0	98.8
b cal 7-500ng	7	☑	500	502.5	100.5
b cal 8-1000ng	8	☑	1000	1046.5	104.6
b QC 1000 (QC4)	8	☑	1000	978.4	97.8

Batch Data Path C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1b wklst
2372 SP.batch.bin

Last Calib Update 5/2/2018 10:57 AM   **Analyst Name**   ISP TOX

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

Acetyl Fentanyl - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.014527 * x - 9.917136E{-}004$
$R^2 = 0.98740036$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	☑	0.5	0.5	100.9
b cal 2-10ng	2	☑	1	1.0	102.6
b QC 10 (QC1)	2	☑	1	0.9	85.4
b cal 3-25ng	3	☑	2.5	2.4	97.3
b cal 4-50ng	4	☑	5	4.4	88.3
b cal 5-100ng	5	☑	10	8.6	86.5
b QC 100 (QC2)	5	☑	10	7.9	78.7
b cal 6-250ng	6	☑	25	24.8	99.1
b QC 250 (QC 3)	6	☑	25	22.7	90.7
b cal 7-500ng	7	☑	50	54.9	109.8
b cal 8-1000ng	8	☑	100	115.6	115.6
b QC 1000 (QC4)	8	☑	100	107.0	107.0

Batch Data Path C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1b wklst 2372 SP.batch.bin

Last Calib Update 5/2/2018 10:57 AM   **Analyst Name**   ISP TOX

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

Norbuprenorphine - 7 Levels, 4 Levels Used, 7 Points, 4 Points Used, 4 QCs

$y = 0.017762 * x + 0.014781$
$R^2 = 0.97371231$
Type:Linear, Origin:Ignore, Weight:1/x^2
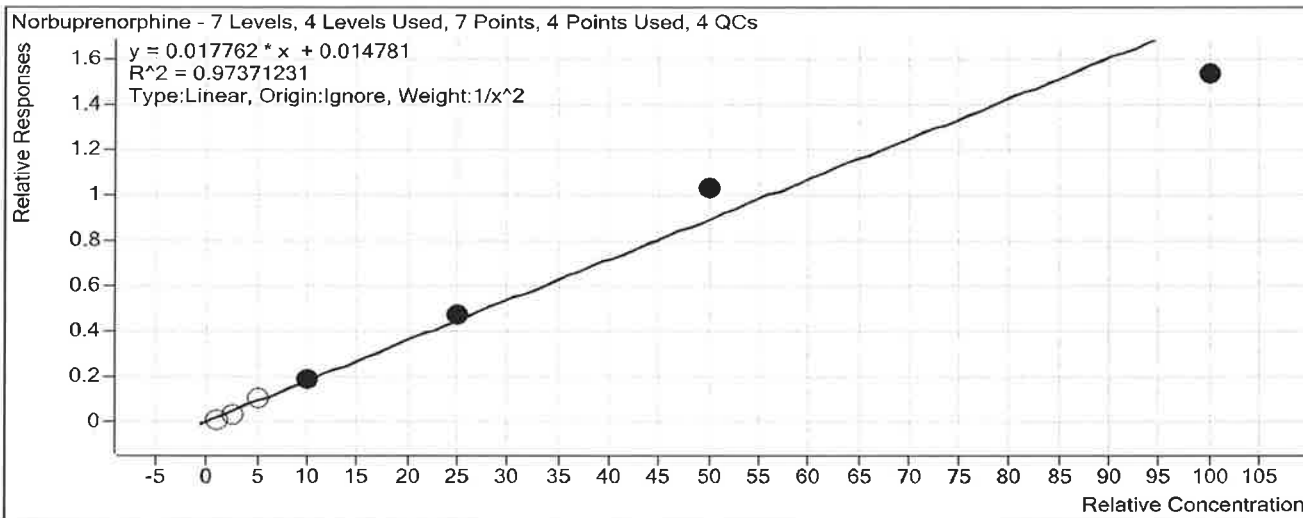
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	☐	0.5	0.0	0.0
b cal 2-10ng	2	☐	1	0.0	0.0
b QC 10 (QC1)	2	☐	1	0.0	0.0
b cal 3-25ng	3	☐	2.5	0.8	33.0
b cal 4-50ng	4	☐	5	5.2	103.3
b cal 5-100ng	5	☑	10	9.7	97.4
b QC 100 (QC2)	5	☑	10	9.7	97.1
b cal 6-250ng	6	☑	25	25.8	103.2
b QC 250 (QC 3)	6	☑	25	19.6	78.4
b cal 7-500ng	7	☑	50	57.1	114.2
b cal 8-1000ng	8	☑	100	85.3	85.3
b QC 1000 (QC4)	8	☑	100	112.1	112.1

Did not evaluate norbuprenorphine. β
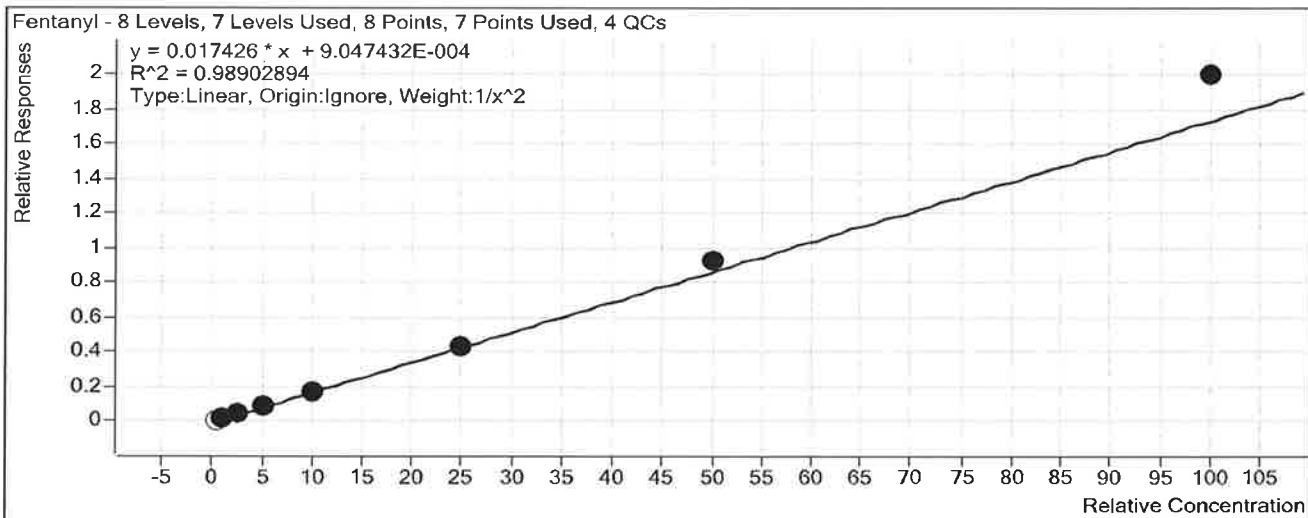
Batch Data Path   C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1b wklst 2372 SP.batch.bin

Last Calib Update   5/2/2018 10:57 AM   **Analyst Name**   ISP TOX

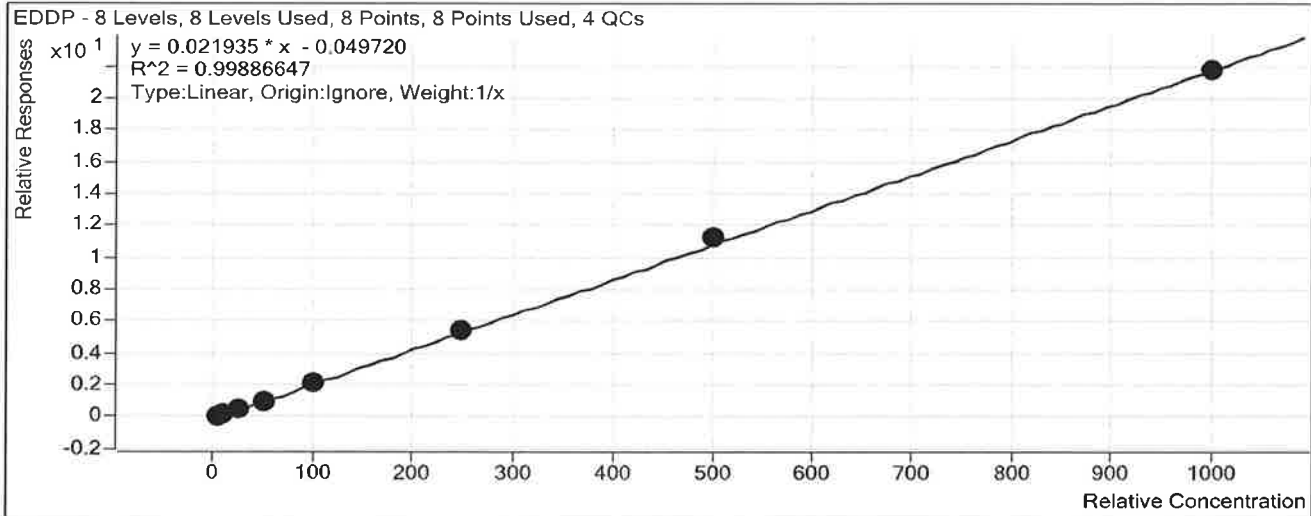*Target Compound*   *Fentanyl*
Internal Standard   *Fentanyl-D5*

Fentanyl - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs

$y = 0.017426 * x + 9.047432E\text{-}004$
$R^2 = 0.98902894$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	☐	0.5	0.3	66.9
b cal 2-10ng	2	☑	1	1.1	105.6
b QC 10 (QC1)	2	☐	1	0.6	62.4
b cal 3-25ng	3	☑	2.5	2.3	92.2
b cal 4-50ng	4	☑	5	4.4	88.1
b cal 5-100ng	5	☑	10	9.7	97.4
b QC 100 (QC2)	5	☑	10	7.9	78.5
b cal 6-250ng	6	☑	25	24.2	96.6
b QC 250 (QC 3)	6	☑	25	23.1	92.3
b cal 7-500ng	7	☑	50	52.8	105.5
b cal 8-1000ng	8	☑	100	114.4	114.4
b QC 1000 (QC4)	8	☑	100	106.6	106.6

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1b wklst 2372 SP.batch.bin		
Last Calib Update	5/2/2018 10:57 AM	**Analyst Name**	ISP TOX

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

EDDP - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.021935 * x - 0.049720$
$R^2 = 0.99886647$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	☑	5	6.3	126.1
b cal 2-10ng	2	☑	10	9.5	94.8
b QC 10 (QC1)	2	☑	10	10.8	107.8
b cal 3-25ng	3	☑	25	22.7	90.9
b cal 4-50ng	4	☑	50	43.6	87.2
b cal 5-100ng	5	☑	100	98.0	98.0
b QC 100 (QC2)	5	☑	100	90.8	90.8
b cal 6-250ng	6	☑	250	251.5	100.6
b QC 250 (QC 3)	6	☑	250	245.2	98.1
b cal 7-500ng	7	☑	500	515.9	103.2
b cal 8-1000ng	8	☑	1000	992.5	99.3
b QC 1000 (QC4)	8	☑	1000	1019.4	101.9

Batch Data Path   C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1b wklst 2372 SP.batch.bin

Last Calib Update   5/2/2018 10:57 AM   **Analyst Name**   ISP TOX

Target Compound   *Sufentanil*

Internal Standard   *Sufentanil-D5*

Sufentanil - 8 Levels, 6 Levels Used, 8 Points, 6 Points Used, 4 QCs

$y = 0.022104 * x - 3.110218E{-004}$
$R^2 = 0.98426081$
Type:Linear, Origin:Ignore, Weight:1/x^2
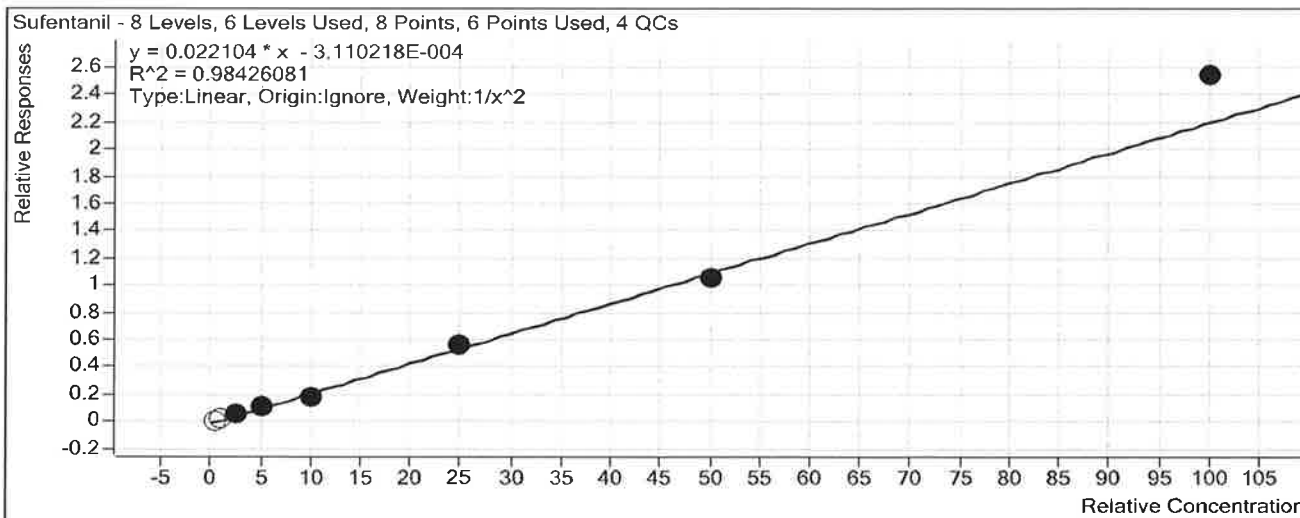
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	☐	0.5	0.5	100.9
b cal 2-10ng	2	☐	1	1.0	99.3
b QC 10 (QC1)	2	☑	1	1.1	106.4
b cal 3-25ng	3	☑	2.5	2.6	104.8
b cal 4-50ng	4	☑	5	4.9	97.1
b cal 5-100ng	5	☑	10	8.5	84.8
b QC 100 (QC2)	5	☑	10	10.0	99.8
b cal 6-250ng	6	☑	25	25.7	102.8
b QC 250 (QC 3)	6	☑	25	19.7	79.0
b cal 7-500ng	7	☑	50	47.8	95.6
b cal 8-1000ng	8	☑	100	114.9	114.9
b QC 1000 (QC4)	8	☑	100	104.7	104.7

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Last Calib Update	5/2/2018 10:57 AM **Analyst Name** ISP TOX

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

Quetiapine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.117921 * x - 0.138791$
$R^2 = 0.99924156$
Type:Linear, Origin:Ignore, Weight:$1/x^2$
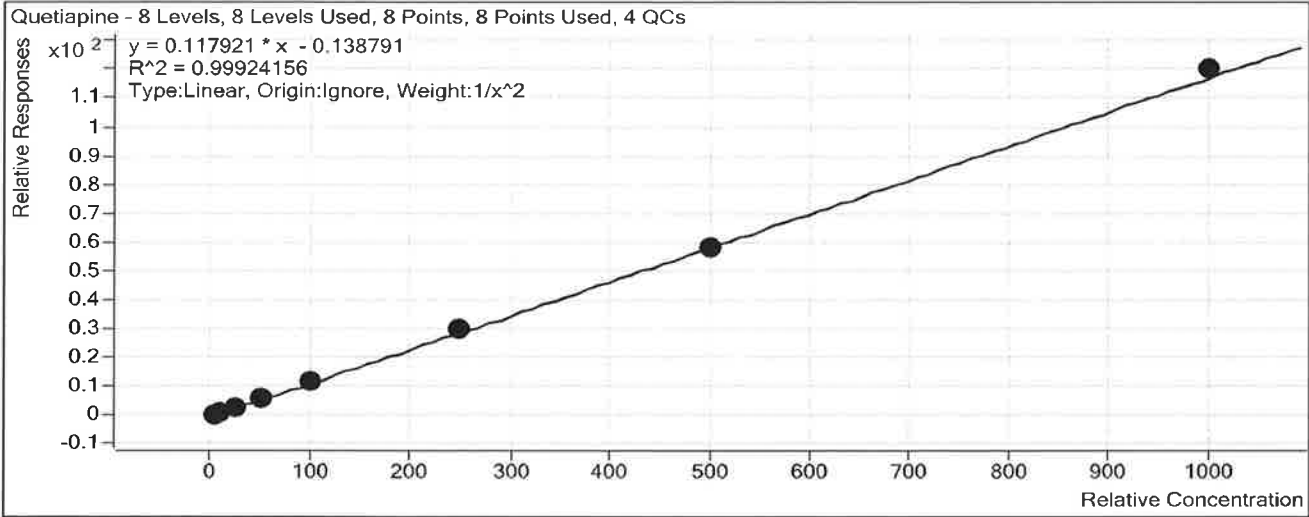
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	☑	5	5.1	102.2
b cal 2-10ng	2	☑	10	9.5	95.2
b QC 10 (QC1)	2	☑	10	10.1	100.7
b cal 3-25ng	3	☑	25	25.5	101.8
b cal 4-50ng	4	☑	50	49.1	98.3
b cal 5-100ng	5	☑	100	100.4	100.4
b QC 100 (QC2)	5	☑	100	91.5	91.5
b cal 6-250ng	6	☑	250	252.9	101.2
b QC 250 (QC 3)	6	☑	250	244.8	97.9
b cal 7-500ng	7	☑	500	495.2	99.0
b cal 8-1000ng	8	☑	1000	1018.8	101.9
b QC 1000 (QC4)	8	☑	1000	995.3	99.5

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1b wklst 2372 SP.batch.bin	
Last Calib Update	5/2/2018 10:57 AM	**Analyst Name** ISP TOX

Target Compound Cyclobenzaprine
Internal Standard Cyclobenzaprine-D3

Cyclobenzaprine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.029708 * x - 0.066098$
$R^2 = 0.99906768$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	☑	5	6.2	123.6
b cal 2-10ng	2	☑	10	9.5	94.6
b QC 10 (QC1)	2	☑	10	11.1	110.7
b cal 3-25ng	3	☑	25	23.2	92.8
b cal 4-50ng	4	☑	50	47.0	94.0
b cal 5-100ng	5	☑	100	91.5	91.5
b QC 100 (QC2)	5	☑	100	94.2	94.2
b cal 6-250ng	6	☑	250	253.8	101.5
b QC 250 (QC 3)	6	☑	250	236.0	94.4
b cal 7-500ng	7	☑	500	511.1	102.2
b cal 8-1000ng	8	☑	1000	997.8	99.8
b QC 1000 (QC4)	8	☑	1000	943.7	94.4

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Batch Data Path   C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1b wklst 2372 SP.batch.bin

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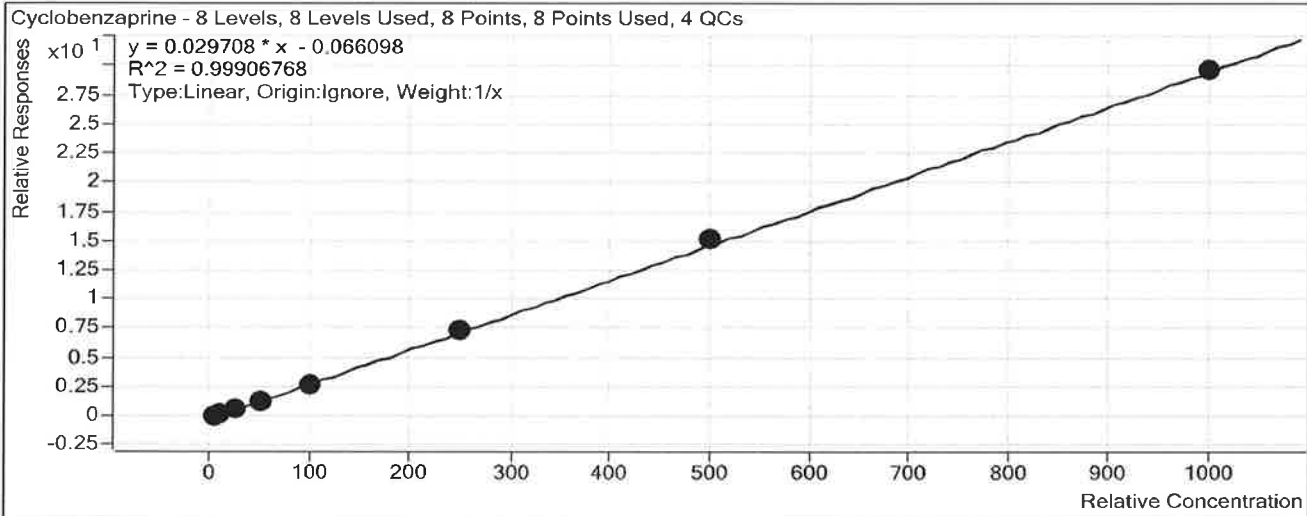### *Target Compound*   *Methadone*
Internal Standard   *Methadone-D9*

Methadone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.025469 * x - 0.029949$
$R^2 = 0.99747880$
Type:Linear, Origin:Ignore, Weight:$1/x^2$
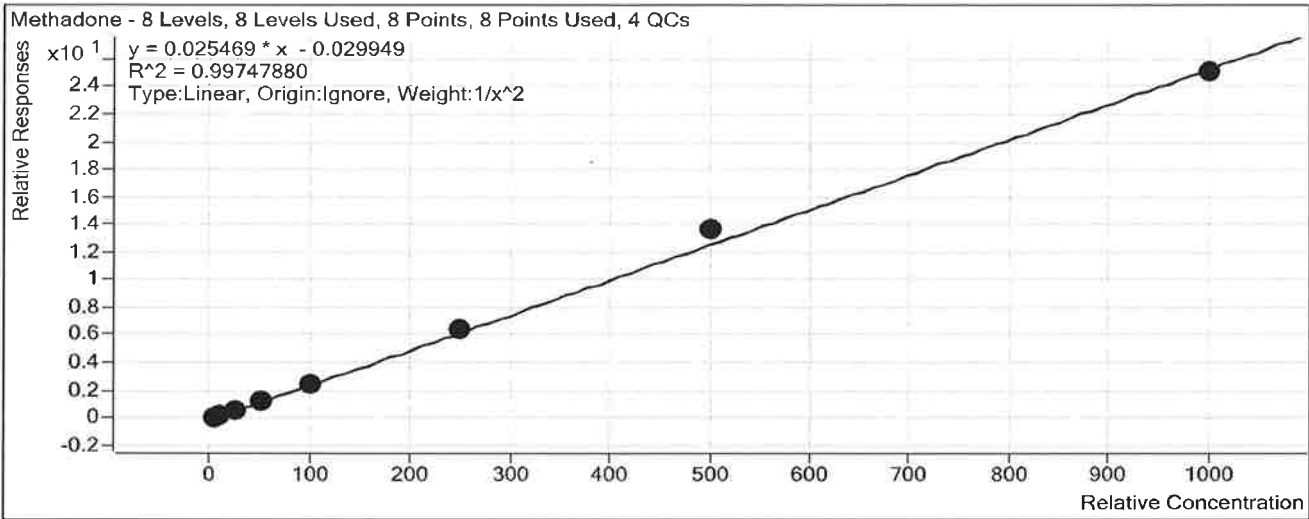
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	☑	5	5.1	102.6
b cal 2-10ng	2	☑	10	9.7	97.2
b QC 10 (QC1)	2	☑	10	10.4	104.1
b cal 3-25ng	3	☑	25	24.0	96.0
b cal 4-50ng	4	☑	50	47.6	95.1
b cal 5-100ng	5	☑	100	99.5	99.5
b QC 100 (QC2)	5	☑	100	96.5	96.5
b cal 6-250ng	6	☑	250	256.9	102.8
b QC 250 (QC 3)	6	☑	250	228.8	91.5
b cal 7-500ng	7	☑	500	541.6	108.3
b cal 8-1000ng	8	☑	1000	984.5	98.4
b QC 1000 (QC4)	8	☑	1000	1019.6	102.0

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1b wklst 2372 SP.batch.bin
Last Calib Update	5/2/2018 10:57 AM

Analyst Name ISP TOX

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

Fluoxetine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.022731 * x - 0.016515$
$R^2 = 0.99569169$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	☑	5	5.1	101.6
b cal 2-10ng	2	☑	10	9.6	96.1
b QC 10 (QC1)	2	☑	10	9.4	94.0
b cal 3-25ng	3	☑	25	25.9	103.5
b cal 4-50ng	4	☑	50	48.6	97.2
b cal 5-100ng	5	☑	100	99.5	99.5
b QC 100 (QC2)	5	☑	100	83.4	83.4
b cal 6-250ng	6	☑	250	228.3	91.3
b QC 250 (QC 3)	6	☑	250	248.9	99.6
b cal 7-500ng	7	☑	500	553.6	110.7
b cal 8-1000ng	8	☑	1000	1000.6	100.1
b QC 1000 (QC4)	8	☑	1000	1024.9	102.5

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                      2372 SP.batch.bin

Last Calib Update   5/2/2018 10:57 AM   **Analyst Name**   ISP TOX

Target Compound   *Oxazepam*
Internal Standard   *Oxazepam-D5*

Oxazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.018187 * x - 0.038930$
$R^2 = 0.99830725$
Type:Linear, Origin:Ignore, Weight:1/x

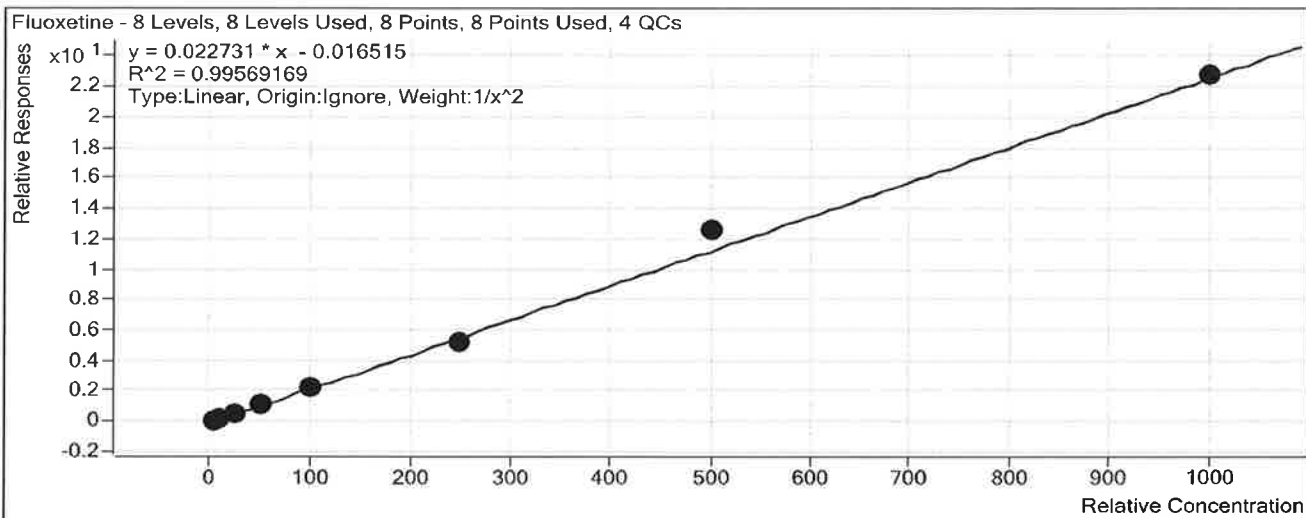| Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	☑	5	6.0	119.3
b cal 2-10ng	2	☑	10	10.7	106.9
b QC 10 (QC1)	2	☑	10	10.2	102.1
b cal 3-25ng	3	☑	25	23.2	92.8
b cal 4-50ng	4	☑	50	45.9	91.9
b cal 5-100ng	5	☑	100	92.5	92.5
b QC 100 (QC2)	5	☑	100	85.9	85.9
b cal 6-250ng	6	☑	250	236.8	94.7
b QC 250 (QC 3)	6	☑	250	246.7	98.7
b cal 7-500ng	7	☑	500	493.7	98.7
b cal 8-1000ng	8	☑	1000	1031.2	103.1
b QC 1000 (QC4)	8	☑	1000	1066.5	106.7

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Batch Data Path C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1b wklst 2372 SP.batch.bin

Last Calib Update 5/2/2018 10:57 AM **Analyst Name** ISP TOX

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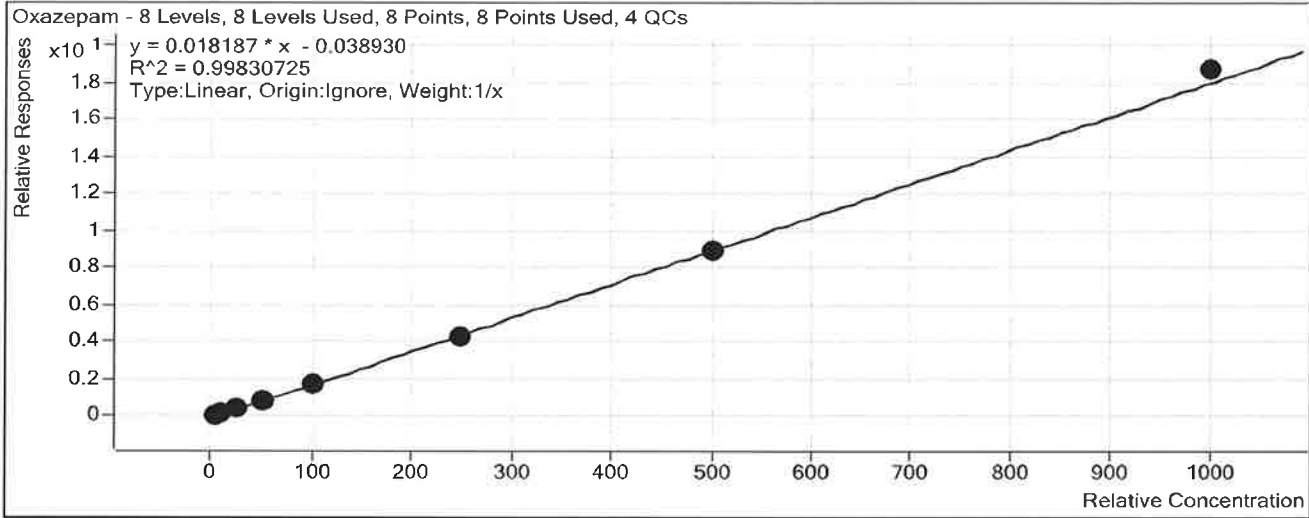*Internal Standard* *Sertraline-D3*

Sertraline - 8 Levels, 6 Levels Used, 8 Points, 6 Points Used, 4 QCs

$y = 0.022320 * x - 0.110721$
$R^2 = 0.99692787$
Type:Linear, Origin:Ignore, Weight:1/x
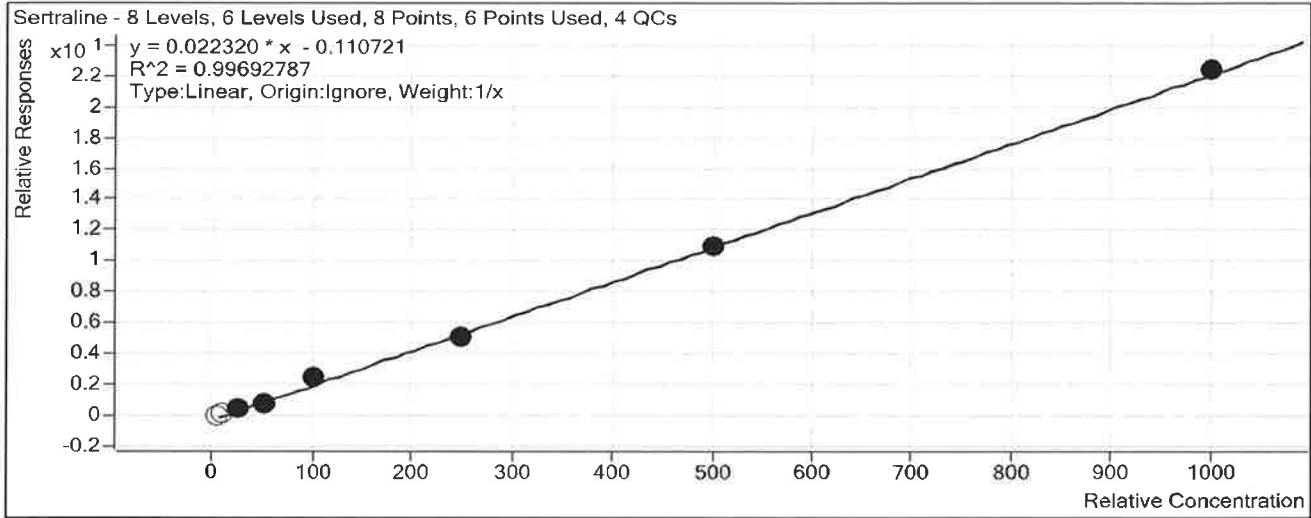
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	☐	5	9.2	183.5
b cal 2-10ng	2	☐	10	10.8	107.8
b QC 10 (QC1)	2	☑	10	12.9	128.6
b cal 3-25ng	3	☑	25	25.2	100.7
b cal 4-50ng	4	☑	50	43.8	87.6
b cal 5-100ng	5	☑	100	117.2	117.2
b QC 100 (QC2)	5	☑	100	94.8	94.8
b cal 6-250ng	6	☑	250	236.7	94.7
b QC 250 (QC 3)	6	☑	250	260.8	104.3
b cal 7-500ng	7	☑	500	496.0	99.2
b cal 8-1000ng	8	☑	1000	1006.1	100.6
b QC 1000 (QC4)	8	☑	1000	1033.3	103.3

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1b wklst 2372 SP.batch.bin
Last Calib Update	5/2/2018 10:57 AM **Analyst Name** ISP TOX

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

Temazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.020236 * x - 0.047053$
$R^2 = 0.99794297$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	☑	5	6.2	123.4
b cal 2-10ng	2	☑	10	10.2	102.0
b QC 10 (QC1)	2	☑	10	10.9	108.7
b cal 3-25ng	3	☑	25	23.6	94.5
b cal 4-50ng	4	☑	50	45.6	91.1
b cal 5-100ng	5	☑	100	93.9	93.9
b QC 100 (QC2)	5	☑	100	80.4	80.4
b cal 6-250ng	6	☑	250	231.7	92.7
b QC 250 (QC 3)	6	☑	250	223.8	89.5
b cal 7-500ng	7	☑	500	494.9	99.0
b cal 8-1000ng	8	☑	1000	1033.9	103.4
b QC 1000 (QC4)	8	☑	1000	1002.4	100.2

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1b wklst 2372 SP.batch.bin	
Last Calib Update	5/2/2018 10:57 AM	**Analyst Name** ISP TOX

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

Buprenorphine - 8 Levels, 6 Levels Used, 8 Points, 6 Points Used, 4 QCs

$y = 0.036151 * x - 0.002061$
$R^2 = 0.99713177$
Type:Linear, Origin:Ignore, Weight:1/x

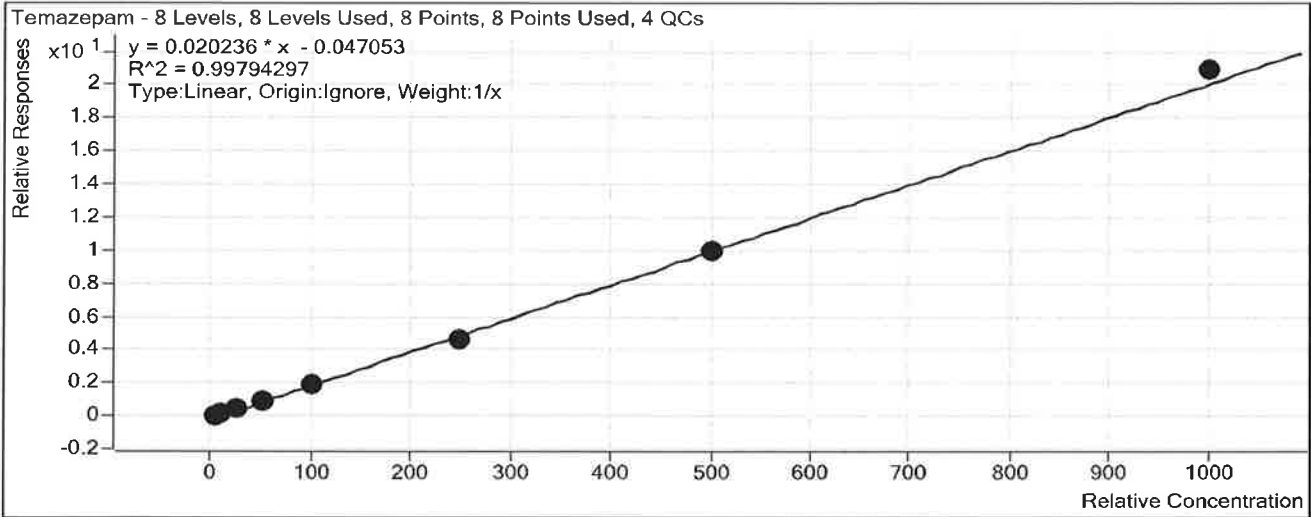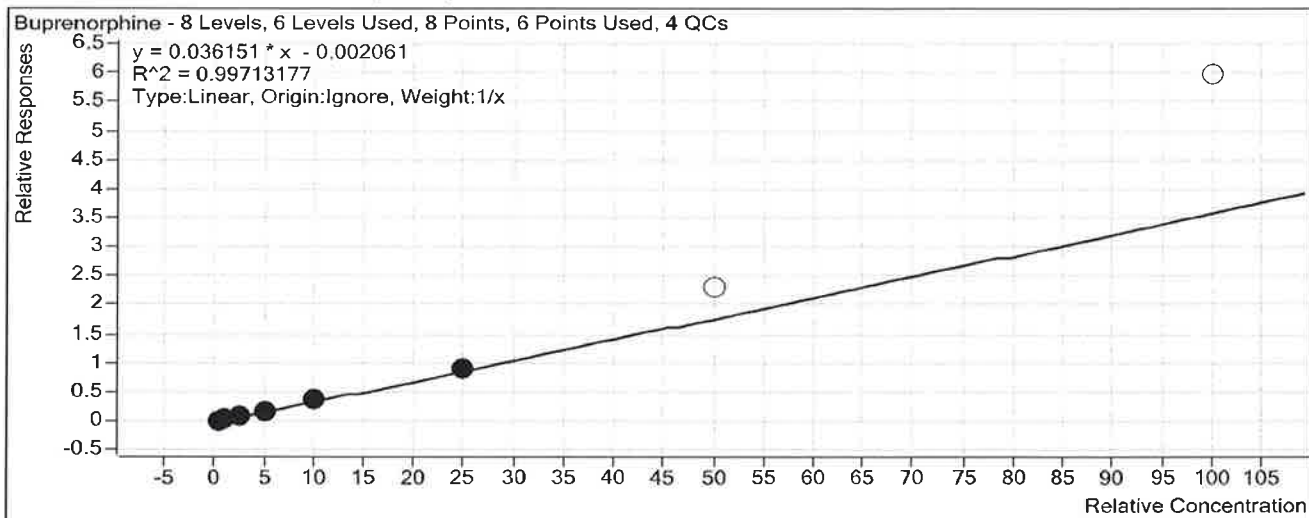| Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	☑	0.5	0.6	124.6
b cal 2-10ng	2	☑	1	0.8	77.0
b QC 10 (QC1)	2	☑	1	1.1	108.2
b cal 3-25ng	3	☑	2.5	2.4	94.1
b cal 4-50ng	4	☑	5	5.2	103.1
b cal 5-100ng	5	☑	10	10.1	101.4
b QC 100 (QC2)	5	☑	10	8.1	81.2
b cal 6-250ng	6	☑	25	25.0	99.8
b QC 250 (QC 3)	6	☑	25	27.9	111.8
b cal 7-500ng	7	☐	50	64.2	128.4
b cal 8-1000ng	8	☐	100	164.6	164.6
b QC 1000 (QC4)	8	☑	100	158.3	158.3

Did not evaluate buprenorphine. β

Calibration Curve Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1b wklst 2372 SP.batch.bin		
Last Calib Update	5/2/2018 10:57 AM	**Analyst Name**	ISP TOX

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

Nordiazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.035759 * x - 0.029323$
$R^2 = 0.99906827$
Type:Linear, Origin:Ignore, Weight:$1/x^2$
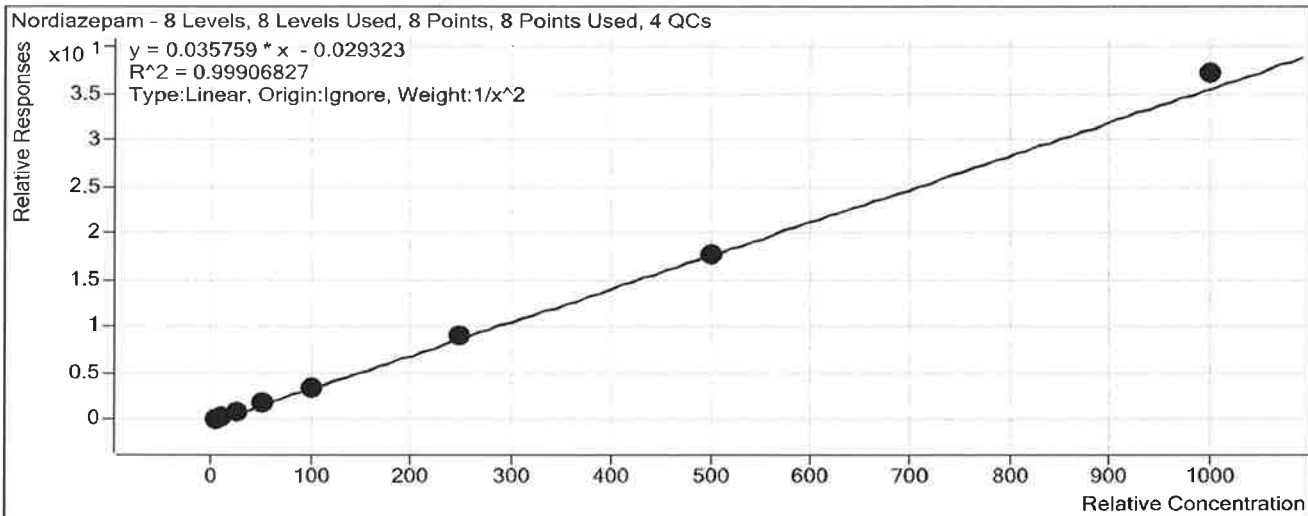
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	☑	5	5.0	99.1
b cal 2-10ng	2	☑	10	10.4	103.6
b QC 10 (QC1)	2	☑	10	9.4	94.4
b cal 3-25ng	3	☑	25	24.2	96.7
b cal 4-50ng	4	☑	50	48.8	97.6
b cal 5-100ng	5	☑	100	98.5	98.5
b QC 100 (QC2)	5	☑	100	93.0	93.0
b cal 6-250ng	6	☑	250	253.0	101.2
b QC 250 (QC 3)	6	☑	250	235.7	94.3
b cal 7-500ng	7	☑	500	497.2	99.4
b cal 8-1000ng	8	☑	1000	1038.3	103.8
b QC 1000 (QC4)	8	☑	1000	1040.3	104.0

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1b wklst 2372 SP.batch.bin		
Last Calib Update	5/2/2018 10:57 AM	**Analyst Name**	ISP TOX

Target Compound   Diazepam
Internal Standard   Diazepam-D5

Diazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.027098 * x - 0.039041$
$R^2 = 0.99976238$
Type:Linear, Origin:Ignore, Weight:1/x
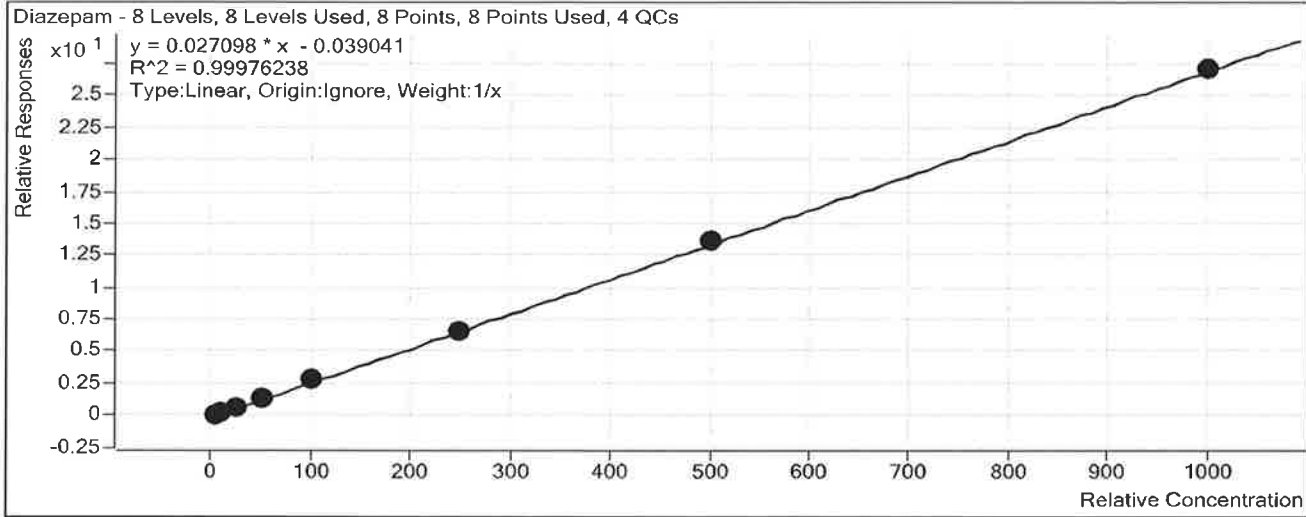
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	☑	5	5.5	109.7
b cal 2-10ng	2	☑	10	9.7	97.0
b QC 10 (QC1)	2	☑	10	9.9	98.5
b cal 3-25ng	3	☑	25	23.4	93.8
b cal 4-50ng	4	☑	50	48.8	97.6
b cal 5-100ng	5	☑	100	103.0	103.0
b QC 100 (QC2)	5	☑	100	96.6	96.6
b cal 6-250ng	6	☑	250	244.9	98.0
b QC 250 (QC 3)	6	☑	250	240.8	96.3
b cal 7-500ng	7	☑	500	505.0	101.0
b cal 8-1000ng	8	☑	1000	999.7	100.0
b QC 1000 (QC4)	8	☑	1000	967.5	96.7

ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1b wklst 2372 SP.batch.l		
Analysis Time	5/2/2018 10:57 AM	**Analyst Name**	ISPUser
Report Time	5/2/2018 11:23 AM	**Reporter Name**	ISPUser
Last Calib Update	5/2/2018 10:57 AM	**Batch State**	Processed

Analysis Info

Acq Time	2018-05-01 13:08	**Data File**	b cal 1-5ng.d
Sample Type	Calibration	**Sample Name**	b cal 1-5ng
Dilution	1	**Acq Method**	MD Quant Panel 1b 12-12-17.m
Position	P1-H12	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 worklist 2372
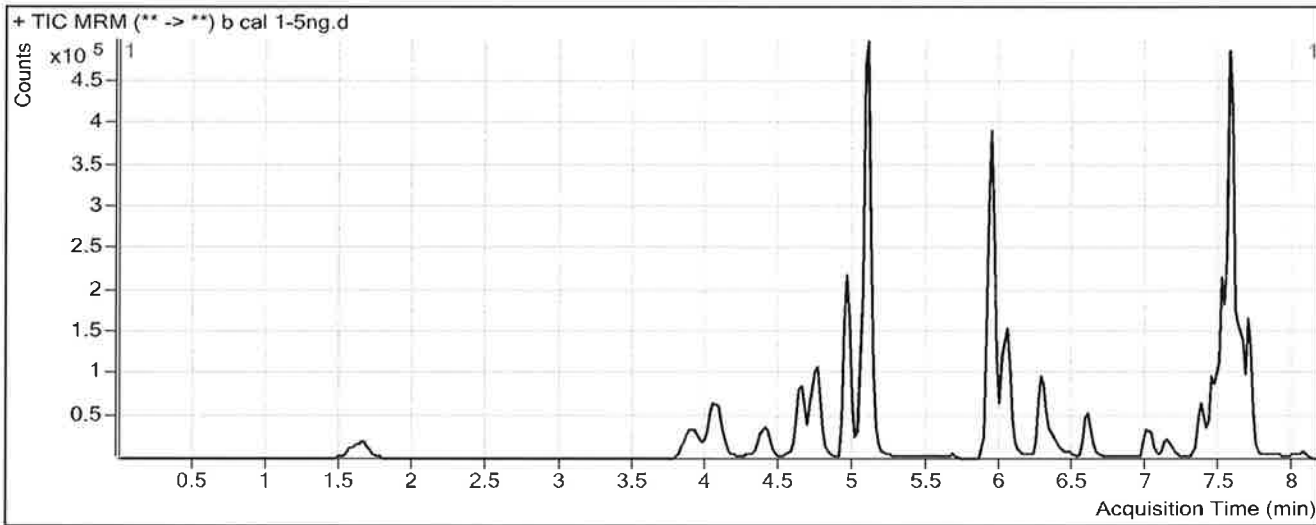
Sample Chromatogram

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.668	19830	156980	0.1263	6.0898
Dihydrocodeine	Dihydrocodeine-D6	3.955	13545	189660	0.0714	5.3041
Naloxone	Naloxone-D5	4.112	27637	391354	0.0706	5.2944
Noroxycodone	Noroxycodone-D3	4.437	24107	177093	0.1361	5.9433
Naltrexone	Naltrexone-D3	4.651	33448	342616	0.0976	5.1697
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.804	5841	465561	0.0125	0.5411
Naltrexol	Naltrexol-D3	4.950	78702	726946	0.1083	5.4467
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.096	180604	1852843	0.0975	5.3973
Ketamine	Ketamine-D4	5.941	79293	783792	0.1012	5.0979
Norfentanyl	Norfentanyl-D5	5.964	5917	776462	0.0076	0.8483
alpha-PVP	alpha-PVP-d8	6.288	39148	461207	0.0849	5.1365
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.601	1291	203603	0.0063	0.5047
Fentanyl	Fentanyl-D5	7.019	825	122400	0.0067	0.3347
EDDP	EDDP-D3	7.150	6017	67930	0.0886	6.3046
Sufentanil	Sufentanil-D5	7.379	736	67877	0.0108	0.5043
Quetiapine	Quetiapine-D8	7.360	42022	90657	0.4635	5.1078
Cyclobenzaprine	Cyclobenzaprine-D3	7.433	6067	51638	0.1175	6.1797
Methadone	Methadone-D9	7.463	25307	251422	0.1007	5.1280
Fluoxetine	Fluoxetine-D6	7.504	15931	160981	0.0990	5.0802

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxazepam	Oxazepam-D5	7.529	27318	392729	0.0696	5.9653
Sertraline	Sertraline-D3	7.565	7290	77468	0.0941	9.1769
Temazepam	Temazepam-D5	7.587	98118	1261869	0.0778	6.1677
Buprenorphine	Buprenorphine-D4	7.617	958	46846	0.0205	0.6229
Nordiazepam	Nordiazepam-D5	7.655	51892	350878	0.1479	4.9558
Diazepam	Diazepam-D5	7.712	35281	321970	0.1096	5.4845

ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1b wklst 2372 SP.batch.l		
Analysis Time	5/2/2018 10:57 AM	**Analyst Name**	ISPUser
Report Time	5/2/2018 11:24 AM	**Reporter Name**	ISPUser
Last Calib Update	5/2/2018 10:57 AM	**Batch State**	Processed

Analysis Info

Acq Time	2018-05-01 13:40	**Data File**	b cal 2-10ng.d
Sample Type	Calibration	**Sample Name**	b cal 2-10ng
Dilution	1	**Acq Method**	MD Quant Panel 1b 12-12-17.m
Position	P1-G12	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 worklist 2372
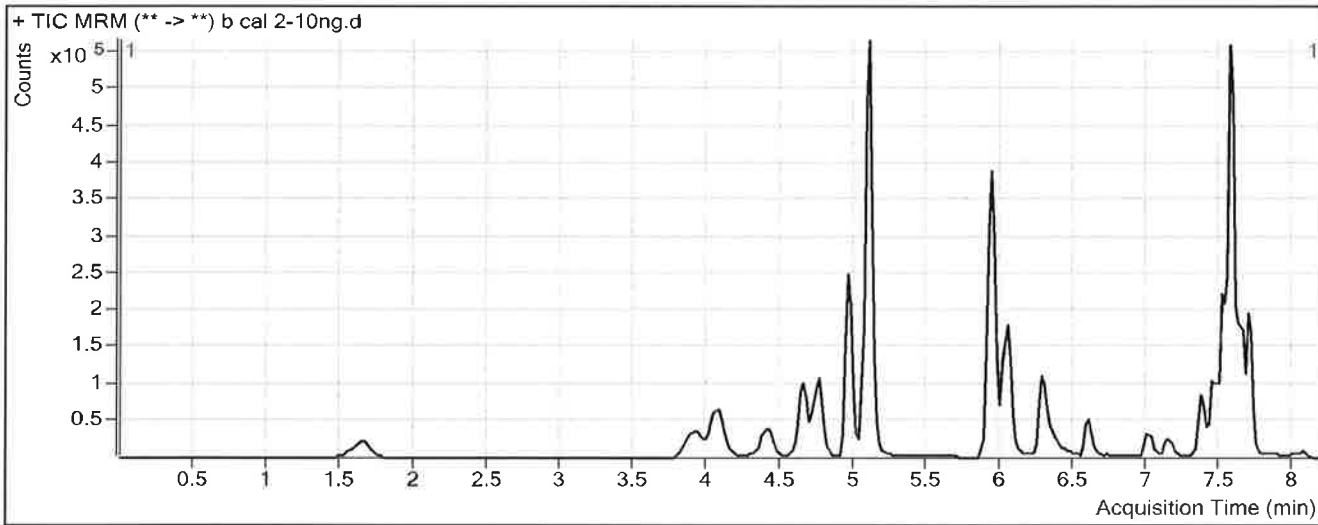
Sample Chromatogram

+ TIC MRM (** -> **) b cal 2-10ng.d

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.668	38695	151747	0.2550	10.0666
Dihydrocodeine	Dihydrocodeine-D6	3.955	28735	191103	0.1504	9.5376
Naloxone	Naloxone-D5	4.112	54181	374114	0.1448	9.3906
Noroxycodone	Noroxycodone-D3	4.437	47688	178167	0.2677	9.9494
Naltrexone	Naltrexone-D3	4.671	65552	338663	0.1936	9.4975
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.804	9943	437113	0.0227	0.9110
Naltrexol	Naltrexol-D3	4.970	160135	727455	0.2201	9.8422
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.096	370796	1858034	0.1996	10.0640
Ketamine	Ketamine-D4	5.941	169863	779951	0.2178	9.9234
Norfentanyl	Norfentanyl-D5	5.984	12244	732097	0.0167	1.2619
alpha-PVP	alpha-PVP-d8	6.308	80604	460066	0.1752	9.7016
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.601	2615	188007	0.0139	1.0256
Norbuprenorphine	Norbuprenorphine-D3	6.914	71	5471	0.0130	0.0000
Fentanyl	Fentanyl-D5	7.019	1963	101660	0.0193	1.0562
EDDP	EDDP-D3	7.150	10829	68418	0.1583	9.4822
Sufentanil	Sufentanil-D5	7.379	1198	55341	0.0216	0.9931
Quetiapine	Quetiapine-D8	7.360	90532	92015	0.9839	9.5206
Cyclobenzaprine	Cyclobenzaprine-D3	7.433	9246	43006	0.2150	9.4615
Methadone	Methadone-D9	7.463	50614	232514	0.2177	9.7229

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.504	25990	128643	0.2020	9.6144
Oxazepam	Oxazepam-D5	7.529	63089	405724	0.1555	10.6905
Sertraline	Sertraline-D3	7.565	8793	67643	0.1300	10.7843
Temazepam	Temazepam-D5	7.587	205453	1289178	0.1594	10.2006
Buprenorphine	Buprenorphine-D4	7.597	1219	47316	0.0258	0.7699
Nordiazepam	Nordiazepam-D5	7.655	116059	340082	0.3413	10.3635
Diazepam	Diazepam-D5	7.712	74646	333396	0.2239	9.7031

ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1b wklst 2372 SP.batch.l		
Analysis Time	5/2/2018 10:57 AM	**Analyst Name**	ISPUser
Report Time	5/2/2018 11:24 AM	**Reporter Name**	ISPUser
Last Calib Update	5/2/2018 10:57 AM	**Batch State**	Processed

Analysis Info

Acq Time	2018-05-01 14:11	**Data File**	b cal 3-25ng.d
Sample Type	Calibration	**Sample Name**	b cal 3-25ng
Dilution	1	**Acq Method**	MD Quant Panel 1b 12-12-17.m
Position	P1-F12	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 worklist 2372
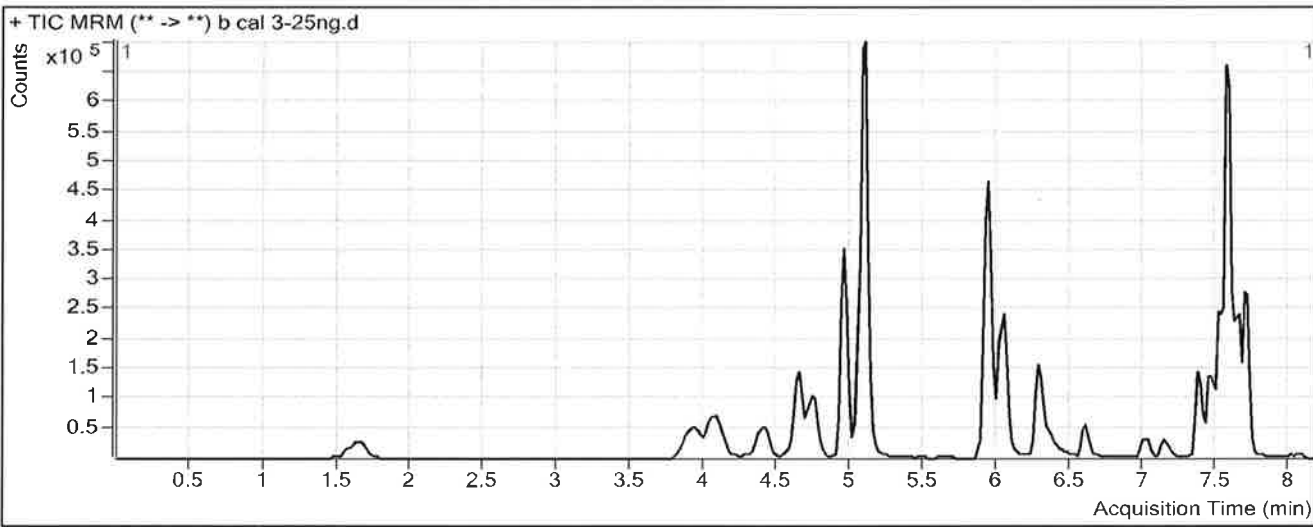
Sample Chromatogram

+ TIC MRM (** -> **) b cal 3-25ng.d

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.668	104381	153176	0.6814	23.2467
Dihydrocodeine	Dihydrocodeine-D6	3.935	83313	196747	0.4235	24.1825
Naloxone	Naloxone-D5	4.112	146585	381766	0.3840	22.5917
Noroxycodone	Noroxycodone-D3	4.437	124609	182364	0.6833	22.6087
Naltrexone	Naltrexone-D3	4.651	172323	339781	0.5072	23.6448
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.804	25188	435349	0.0579	2.1843
Naltrexol	Naltrexol-D3	4.950	428221	736472	0.5814	24.0392
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.096	956422	1925951	0.4966	23.6420
Ketamine	Ketamine-D4	5.941	437874	801672	0.5462	23.5122
Norfentanyl	Norfentanyl-D5	5.964	32137	754548	0.0426	2.4368
alpha-PVP	alpha-PVP-d8	6.288	216992	493126	0.4400	23.0876
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.601	6519	189829	0.0343	2.4322
Norbuprenorphine	Norbuprenorphine-D3	6.955	176	5986	0.0294	0.8245
Fentanyl	Fentanyl-D5	7.019	4318	105110	0.0411	2.3055
EDDP	EDDP-D3	7.150	28706	63964	0.4488	22.7267
Sufentanil	Sufentanil-D5	7.379	2911	50524	0.0576	2.6210
Quetiapine	Quetiapine-D8	7.360	247551	86446	2.8637	25.4616
Cyclobenzaprine	Cyclobenzaprine-D3	7.433	26117	41922	0.6230	23.1950
Methadone	Methadone-D9	7.463	133310	229267	0.5815	24.0063

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.504	63404	110930	0.5716	25.8710
Oxazepam	Oxazepam-D5	7.529	141017	368147	0.3830	23.2022
Sertraline	Sertraline-D3	7.565	25128	55661	0.4515	25.1871
Temazepam	Temazepam-D5	7.587	514340	1192790	0.4312	23.6341
Buprenorphine	Buprenorphine-D4	7.597	4036	48660	0.0830	2.3516
Nordiazepam	Nordiazepam-D5	7.655	277053	331602	0.8355	24.1845
Diazepam	Diazepam-D5	7.712	196108	328907	0.5962	23.4437

# ISP FORENSICS - Pocatello Instrument # 59740
# Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1b wklst 2372 SP.batch.l

Analysis Time	5/2/2018 10:57 AM	**Analyst Name**	ISPUser
Report Time	5/2/2018 11:24 AM	**Reporter Name**	ISPUser
Last Calib Update	5/2/2018 10:57 AM	**Batch State**	Processed

Analysis Info

Acq Time	2018-05-01 14:43	**Data File**	b cal 4-50ng.d
Sample Type	Calibration	**Sample Name**	b cal 4-50ng
Dilution	1	**Acq Method**	MD Quant Panel 1b 12-12-17.m
Position	P1-E12	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 worklist 2372
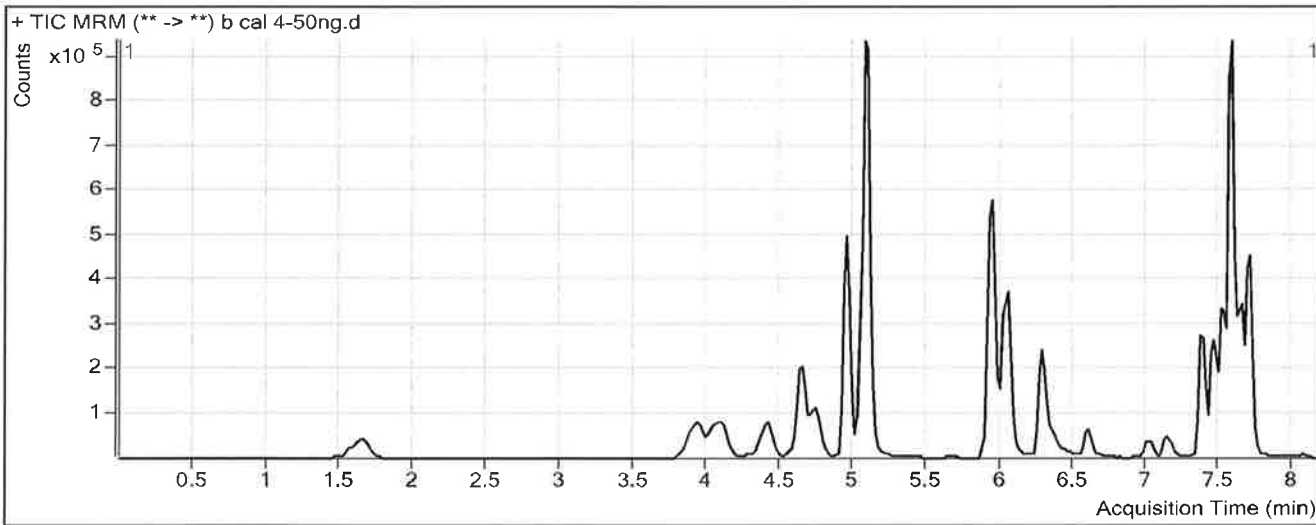
Sample Chromatogram

+ TIC MRM (** -> **) b cal 4-50ng.d

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.668	201202	146874	1.3699	44.5238
Dihydrocodeine	Dihydrocodeine-D6	3.955	163978	184653	0.8880	49.0962
Naloxone	Naloxone-D5	4.112	275497	350384	0.7863	44.8001
Noroxycodone	Noroxycodone-D3	4.417	254426	167816	1.5161	47.9736
Naltrexone	Naltrexone-D3	4.651	352521	324833	1.0852	49.7234
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.804	50068	417879	0.1198	4.4313
Naltrexol	Naltrexol-D3	4.950	853642	700584	1.2185	49.0692
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.096	1969057	1844261	1.0677	49.7467
Ketamine	Ketamine-D4	5.921	879460	784551	1.1210	47.2946
Norfentanyl	Norfentanyl-D5	5.964	66482	750410	0.0886	4.5263
alpha-PVP	alpha-PVP-d8	6.288	462597	462261	1.0007	51.4276
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.601	14460	228881	0.0632	4.4172
Norbuprenorphine	Norbuprenorphine-D3	6.955	594	5575	0.1065	5.1641
Fentanyl	Fentanyl-D5	7.019	9897	127367	0.0777	4.4071
EDDP	EDDP-D3	7.150	69523	76713	0.9063	43.5832
Sufentanil	Sufentanil-D5	7.359	7349	68708	0.1070	4.8531
Quetiapine	Quetiapine-D8	7.380	553849	97929	5.6556	49.1380
Cyclobenzaprine	Cyclobenzaprine-D3	7.433	66948	50313	1.3306	47.0151
Methadone	Methadone-D9	7.463	340543	288203	1.1816	47.5704

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.504	161872	148790	1.0879	48.5869
Oxazepam	Oxazepam-D5	7.529	254628	319675	0.7965	45.9370
Sertraline	Sertraline-D3	7.565	61827	71332	0.8668	43.7938
Temazepam	Temazepam-D5	7.587	1044808	1194447	0.8747	45.5511
Buprenorphine	Buprenorphine-D4	7.597	10917	59210	0.1844	5.1573
Nordiazepam	Nordiazepam-D5	7.655	532073	310150	1.7155	48.7944
Diazepam	Diazepam-D5	7.712	412509	321424	1.2834	48.8011

ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1b wklst 2372 SP.batch.l
Analysis Time	5/2/2018 10:57 AM
Report Time	5/2/2018 11:24 AM
Last Calib Update	5/2/2018 10:57 AM

		Analyst Name	ISPUser
		Reporter Name	ISPUser
		Batch State	Processed

Analysis Info

Acq Time	2018-05-01 15:14	**Data File**	b cal 5-100ng.d
Sample Type	Calibration	**Sample Name**	b cal 5-100ng
Dilution	1	**Acq Method**	MD Quant Panel 1b 12-12-17.m
Position	P1-D12	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 worklist 2372
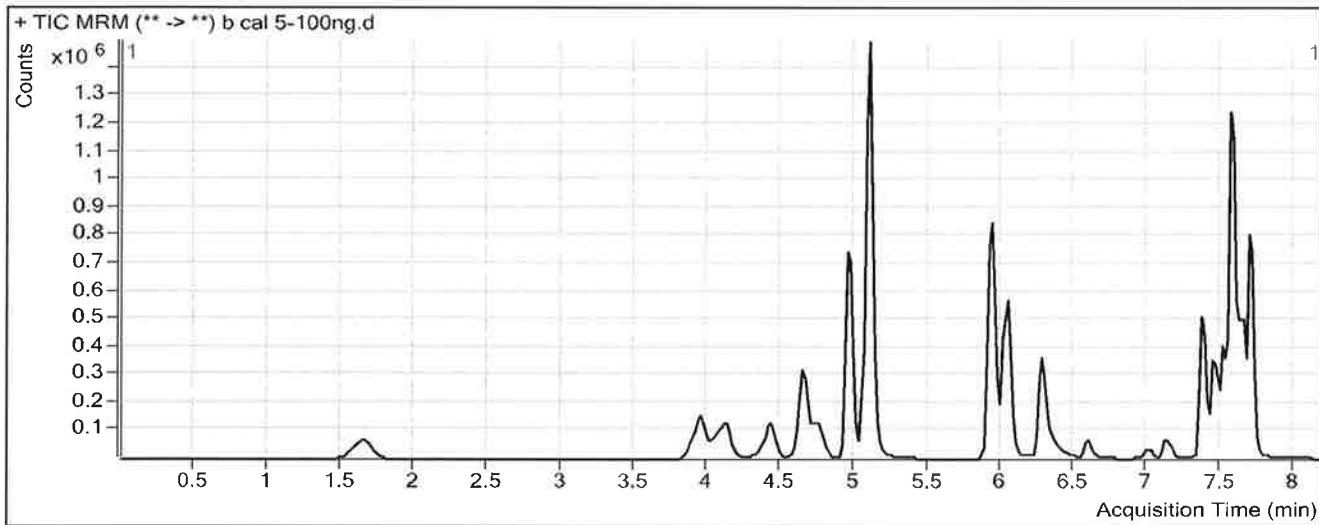
Sample Chromatogram

+ TIC MRM (** -> **) b cal 5-100ng.d

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.668	397902	130812	3.0418	96.1958
Dihydrocodeine	Dihydrocodeine-D6	3.955	327321	177777	1.8412	100.2101
Naloxone	Naloxone-D5	4.132	560322	314506	1.7816	99.7443
Noroxycodone	Noroxycodone-D3	4.437	481990	156292	3.0839	95.7243
Naltrexone	Naltrexone-D3	4.651	647985	281830	2.2992	104.4886
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.804	108767	429704	0.2531	9.2656
Naltrexol	Naltrexol-D3	4.970	1621196	660970	2.4528	97.5667
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.096	3826240	1835799	2.0842	96.2161
Ketamine	Ketamine-D4	5.921	1875306	773481	2.4245	101.2309
Norfentanyl	Norfentanyl-D5	5.964	141462	755120	0.1873	9.0114
alpha-PVP	alpha-PVP-d8	6.288	840910	431705	1.9479	99.3012
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.601	24893	199773	0.1246	8.6460
Norbuprenorphine	Norbuprenorphine-D3	6.914	1085	5780	0.1877	9.7357
Fentanyl	Fentanyl-D5	7.019	16720	97946	0.1707	9.7441
EDDP	EDDP-D3	7.130	133212	63455	2.0993	97.9739
Sufentanil	Sufentanil-D5	7.379	9547	51035	0.1871	8.4774
Quetiapine	Quetiapine-D8	7.360	1111268	94959	11.7026	100.4183
Cyclobenzaprine	Cyclobenzaprine-D3	7.433	105975	39973	2.6512	91.4659
Methadone	Methadone-D9	7.463	550296	219740	2.5043	99.5042

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.504	245483	109327	2.2454	99.5070
Oxazepam	Oxazepam-D5	7.529	373850	227400	1.6440	92.5363
Sertraline	Sertraline-D3	7.565	107994	43123	2.5043	117.1608
Temazepam	Temazepam-D5	7.587	1870741	1009046	1.8540	93.9423
Buprenorphine	Buprenorphine-D4	7.597	18630	51121	0.3644	10.1377
Nordiazepam	Nordiazepam-D5	7.655	958387	274458	3.4919	98.4708
Diazepam	Diazepam-D5	7.712	788238	286537	2.7509	102.9571

ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1b wklst 2372 SP.batch.l
Analysis Time	5/2/2018 10:57 AM
Report Time	5/2/2018 11:24 AM
Last Calib Update	5/2/2018 10:57 AM

Analysis Time	5/2/2018 10:57 AM	**Analyst Name**	ISPUser
Report Time	5/2/2018 11:24 AM	**Reporter Name**	ISPUser
Last Calib Update	5/2/2018 10:57 AM	**Batch State**	Processed

Analysis Info

Acq Time	2018-05-01 15:46	**Data File**	b cal 6-250ng.d
Sample Type	Calibration	**Sample Name**	b cal 6-250ng
Dilution	1	**Acq Method**	MD Quant Panel 1b 12-12-17.m
Position	P1-C12	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 worklist 2372
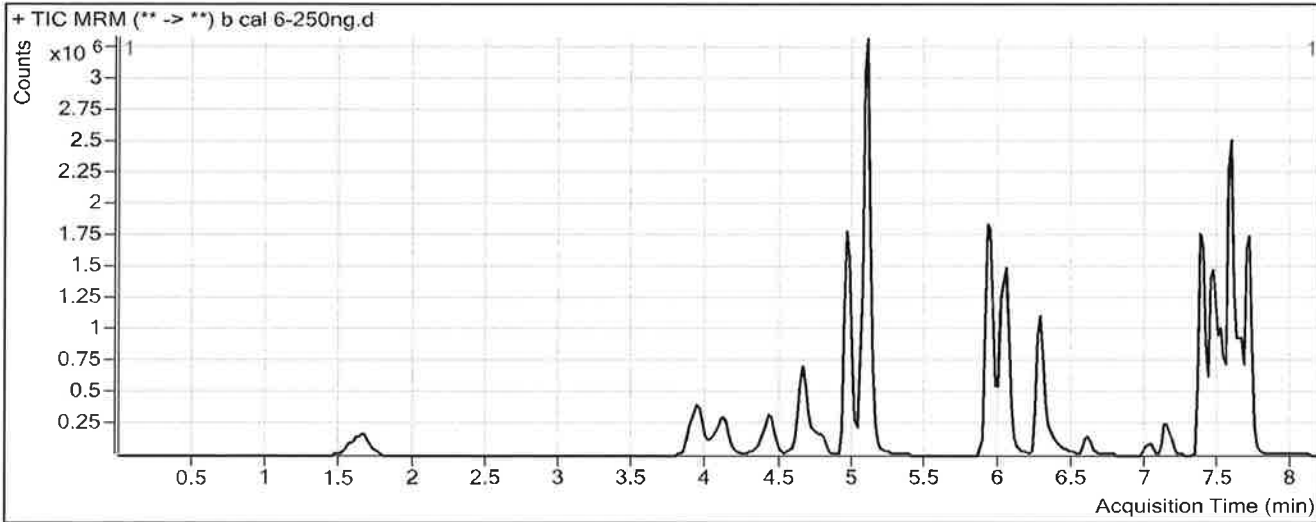
Sample Chromatogram

+ TIC MRM (** -> **) b cal 6-250ng.d

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.648	1171257	148341	7.8957	246.2122
Dihydrocodeine	Dihydrocodeine-D6	3.935	952660	201972	4.7168	254.4191
Naloxone	Naloxone-D5	4.112	1462467	330016	4.4315	246.0257
Noroxycodone	Noroxycodone-D3	4.437	1392789	175147	7.9521	243.9965
Naltrexone	Naltrexone-D3	4.651	1613639	291409	5.5374	250.5694
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.804	337194	478321	0.7050	25.6517
Naltrexol	Naltrexol-D3	4.950	4569331	727547	6.2805	247.9654
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.096	10882594	2034098	5.3501	245.5045
Ketamine	Ketamine-D4	5.921	5159373	829829	6.2174	258.1697
Norfentanyl	Norfentanyl-D5	5.964	446482	893260	0.4998	23.2058
alpha-PVP	alpha-PVP-d8	6.288	2787455	562047	4.9595	251.5212
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.601	128775	358945	0.3588	24.7649
Norbuprenorphine	Norbuprenorphine-D3	6.955	4677	9887	0.4731	25.8016
Fentanyl	Fentanyl-D5	7.019	82977	196713	0.4218	24.1540
EDDP	EDDP-D3	7.150	556132	101718	5.4674	251.5217
Sufentanil	Sufentanil-D5	7.379	56271	99100	0.5678	25.7031
Quetiapine	Quetiapine-D8	7.360	4097712	138029	29.6873	252.9334
Cyclobenzaprine	Cyclobenzaprine-D3	7.433	574236	76833	7.4739	253.8020
Methadone	Methadone-D9	7.463	2785212	427597	6.5136	256.9257

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.504	1065024	205905	5.1724	228.2732
Oxazepam	Oxazepam-D5	7.529	650312	152392	4.2674	236.7799
Sertraline	Sertraline-D3	7.565	524279	101350	5.1729	236.7231
Temazepam	Temazepam-D5	7.587	4280267	922031	4.6422	231.7283
Buprenorphine	Buprenorphine-D4	7.597	74199	82416	0.9003	24.9606
Nordiazepam	Nordiazepam-D5	7.655	1943906	215592	9.0166	252.9661
Diazepam	Diazepam-D5	7.712	2022814	306550	6.5986	244.9492

ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1b wklst 2372 SP.batch.l
Analysis Time	5/2/2018 10:57 AM **Analyst Name** ISPUser
Report Time	5/2/2018 11:24 AM **Reporter Name** ISPUser
Last Calib Update	5/2/2018 10:57 AM **Batch State** Processed

Analysis Info

Acq Time	2018-05-01 16:18	**Data File**	b cal 7-500ng.d
Sample Type	Calibration	**Sample Name**	b cal 7-500ng
Dilution	1	**Acq Method**	MD Quant Panel 1b 12-12-17.m
Position	P1-B12	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 worklist 2372
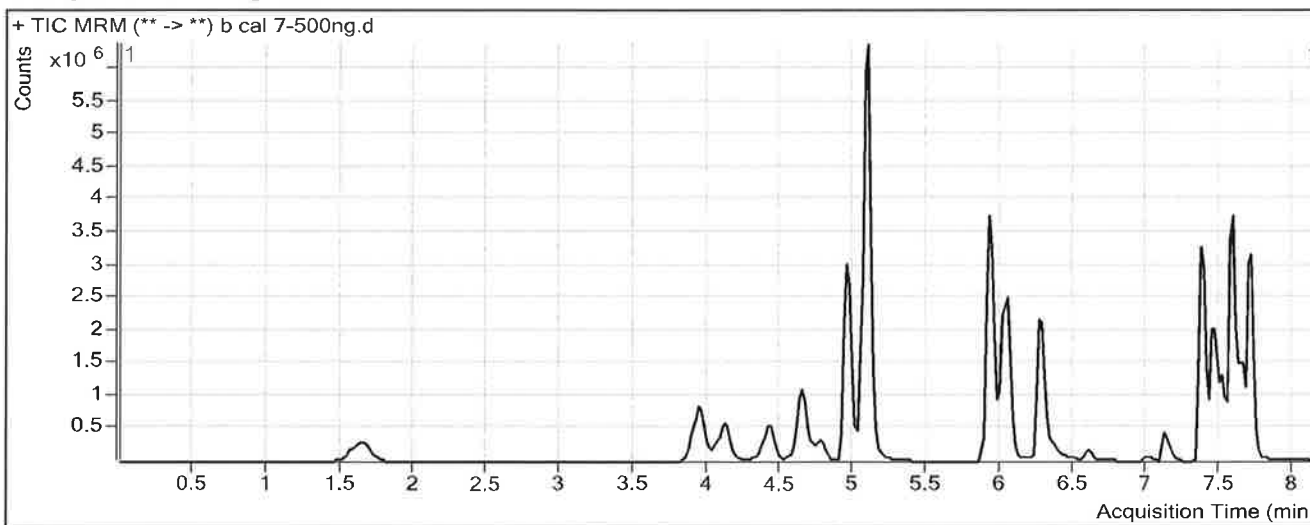
Sample Chromatogram

+ TIC MRM (** -> **) b cal 7-500ng.d

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.648	2248475	141132	15.9317	494.5757
Dihydrocodeine	Dihydrocodeine-D6	3.935	1932681	200203	9.6536	519.1615
Naloxone	Naloxone-D5	4.112	2792131	275643	10.1295	560.5702
Noroxycodone	Noroxycodone-D3	4.437	2450316	148150	16.5394	505.5400
Naltrexone	Naltrexone-D3	4.651	2677421	235149	11.3861	514.4196
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.804	770710	495248	1.5562	56.5230
Naltrexol	Naltrexol-D3	4.950	8508525	657199	12.9467	509.8944
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.096	23495610	2069468	11.3535	519.9305
Ketamine	Ketamine-D4	5.921	11177810	925762	12.0742	500.5064
Norfentanyl	Norfentanyl-D5	5.964	928145	854850	1.0857	49.8189
alpha-PVP	alpha-PVP-d8	6.288	5617917	566091	9.9241	502.4548
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.601	210309	264124	0.7962	54.8812
Norbuprenorphine	Norbuprenorphine-D3	6.935	6151	5979	1.0287	57.0846
Fentanyl	Fentanyl-D5	7.019	113664	123513	0.9203	52.7575
EDDP	EDDP-D3	7.130	974183	86469	11.2663	515.8923
Sufentanil	Sufentanil-D5	7.379	69280	65572	1.0566	47.8138
Quetiapine	Quetiapine-D8	7.360	7065289	121279	58.2564	495.2072
Cyclobenzaprine	Cyclobenzaprine-D3	7.433	756240	50026	15.1168	511.0721
Methadone	Methadone-D9	7.463	3927320	285322	13.7645	541.6231

ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report b C9l 7

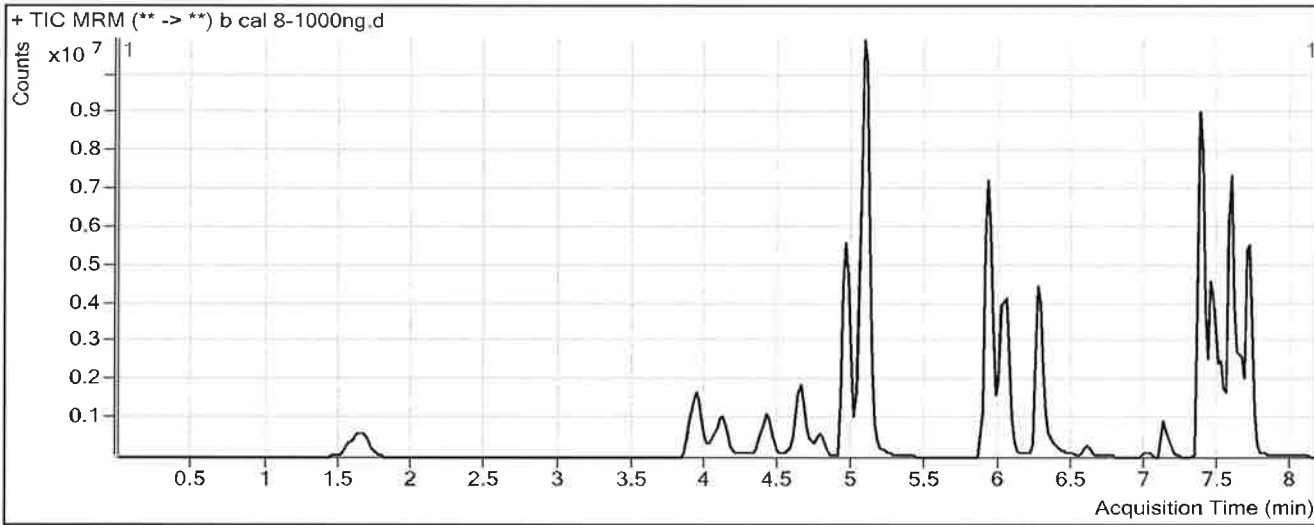| Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.504	1409886	112190	12.5669	553.5758
Oxazepam	Oxazepam-D5	7.529	1003119	112206	8.9400	493.7011
Sertraline	Sertraline-D3	7.565	587916	53642	10.9601	496.0036
Temazepam	Temazepam-D5	7.587	7475983	750011	9.9678	494.9028
Buprenorphine	Buprenorphine-D4	7.597	117286	50570	2.3193	64.2119
Nordiazepam	Nordiazepam-D5	7.655	3181500	179244	17.7495	497.1812
Diazepam	Diazepam-D5	7.712	3908742	286455	13.6452	504.9875

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\050118 MDQP1 SP\QuantResults\050118 MDQP1b wklst 2372 SP.batch.l	
Analysis Time	5/2/2018 10:57 AM	**Analyst Name** ISPUser
Report Time	5/2/2018 11:24 AM	**Reporter Name** ISPUser
Last Calib Update	5/2/2018 10:57 AM	**Batch State** Processed

Analysis Info

Acq Time	2018-05-01 16:49	**Data File**	b cal 8-1000ng.d
Sample Type	Calibration	**Sample Name**	b cal 8-1000ng
Dilution	1	**Acq Method**	MD Quant Panel 1b 12-12-17.m
Position	P1-A12	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28 worklist 2372

Sample Chromatogram

+ TIC MRM (** -> **) b cal 8-1000ng.d

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.648	4924787	149676	32.9029	1019.0893
Dihydrocodeine	Dihydrocodeine-D6	3.935	3970050	217997	18.2115	978.0888
Naloxone	Naloxone-D5	4.112	5355539	269175	19.8961	1099.7090
Noroxycodone	Noroxycodone-D3	4.417	4872654	147454	33.0453	1008.2642
Naltrexone	Naltrexone-D3	4.651	4795477	216491	22.1509	1000.0485
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.784	1699502	530000	3.2066	116.3756
Naltrexol	Naltrexol-D3	4.950	16962397	669849	25.3227	996.1762
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.076	44384434	2052385	21.6258	989.4990
Ketamine	Ketamine-D4	5.921	23966970	940179	25.4919	1055.6941
Norfentanyl	Norfentanyl-D5	5.964	1848381	817209	2.2618	103.2389
alpha-PVP	alpha-PVP-d8	6.268	10931779	528436	20.6870	1046.4669
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.601	485829	289534	1.6780	115.5776
Norbuprenorphine	Norbuprenorphine-D3	6.935	9848	6439	1.5293	85.2675
Fentanyl	Fentanyl-D5	7.019	229950	115249	1.9952	114.4453
EDDP	EDDP-D3	7.130	2060010	94840	21.7210	992.5153
Sufentanil	Sufentanil-D5	7.379	180489	71086	2.5390	114.8835
Quetiapine	Quetiapine-D8	7.360	21510777	179254	120.0018	1018.8260
Cyclobenzaprine	Cyclobenzaprine-D3	7.433	1889381	63880	29.5768	997.8089
Methadone	Methadone-D9	7.463	8615010	344009	25.0430	984.4568

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.504	2870665	126301	22.7288	1000.6196
Oxazepam	Oxazepam-D5	7.529	1840630	98349	18.7152	1031.1878
Sertraline	Sertraline-D3	7.565	1325228	59304	22.3462	1006.1315
Temazepam	Temazepam-D5	7.587	14798808	708943	20.8745	1033.8731
Buprenorphine	Buprenorphine-D4	7.597	211720	35587	5.9494	164.6254
Nordiazepam	Nordiazepam-D5	7.655	5222730	140777	37.0994	1038.2946
Diazepam	Diazepam-D5	7.712	7368661	272406	27.0503	999.6737