Worklist: 2445

LAB CASE	ITEM	TASK ID	DESCRIPTION	
M2018-1755	1	117503	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	
M2018-2300	1	117453	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	
M2018-2361	1	117484	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	
M2018-2495	7	117485	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	
M2018-2571	3	117486	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	
M2018-2628	2	117487	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	
M2018-2670	2	117490	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	
P2018-1475	1	117491	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	
P2018-1491	1	117492	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	
P2018-1494	1	117493	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	
P2018-1516	2	117494	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	
P2018-1531	1	117495	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	
P2018-1550	1	117496	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	
P2018-1551	1	117498	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	
P2018-1563	1	117499	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	
P2018-1567	1	117500	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	
P2018-1575	1	117501	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	
P2018-1576	1	117502	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	

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

Extraction Date: 06/04/18   Analyst: Sarah Pickle
Plate lot#: 0507680   Plate Expiration: 06/05/18

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: 361331-1   **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 00.5M ammonium hydroxide** in wells of analytical plate.
- ☒ 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- ☒ 6. Transfer **300µL of blood+base** mixture to corresponding wells of SLE+ plate.
- ☒ 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent). **(Load at 85-100 PSI- Selector to the right)** *Manifold ID: 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: *060418 MDQ P1 P2 SP*   Batch Name: *060418 MDQP1a SP, 060418 MDQP1b 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% (tramadol RT +/-2%), S/N for primary transition >10 and secondary transitions >5.
- ☒ 5. Did all QCs pass for each analyte? Y / N _____ Add Control data to QC tracking spreadsheet.
- ☒ 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports.

COMMENTS: *Curve Range Limited: 6-MAM 1-100, Amphetamine 5-500, Lorazepam 25-1000, Morphine 5-500, Norhydrocodone 10-1000, Tramadol 5-500, Venlafaxine 5-500, Buprenorphine 2.5-100, Norbuprenorphine 1-100, Norfentanyl 1-100, Quetiapine 5-500*
Did not evaluate: Codeine

Idaho State Police
Forensic Services

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

Analyst: Sarah Pickle
Extraction Date: 06/04/18
Worklist Number: 2445

Reagent	Lot Number	Expiration Date	Date in Service	Date Out of Service	Initials
ToxBox Benzo/Opiate Quant Plate	0507680	06/05/2018			
Negative Blood	361331-1		05/25/18		
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)	177145		04/11/18		
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	060418	Make fresh	06/04/18		
5mM Ammonium Formate + 0.01% Formic Acid in Water (Mobile Phase A)	060418		06/04/18		
0.01% Formic Acid in Methanol (Mobile Phase B)	031918		03/19/18		
Needle Rinse--75% LCMS MeOH in LCMS Water	052918		05/29/18		

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	361331-3
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: 060418)

Component	Source	Source Lot Number
Ammonium Formate	Arcos Organics	A0287238
LCMS Water	Fisher	177528
Formic Acid	Fisher	095180B
Prepared:	06/04/18	
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: 052918)

Component	Source	Source Lot Number
MeOH (LCMS Grade)	Fisher	177145
Water (LCMS Grade)	Fisher	177528
Prepared:	05/29/18	
Prepared By:	Tamara Salazar	

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\060418 MDQ P1 P2 SP\QuantResults\060418 MDQP1a SP.batch.bin		
Analysis Time	6/6/2018 10:21 AM	**Analyst Name**	ISPUser
Report Time	6/6/2018 10:25 AM	**Reporter Name**	ISPUser
Last Calib Update	6/6/2018 10:21 AM	**Batch State**	Processed

Analysis Info

Acq Time	2018-06-05 02:13	**Data File**	a Negative control.d
Sample Type	Sample	**Sample Name**	a Negative control.d
Dilution	1	**Acq Method**	MD Quant Panel 1a 1-19-2018.m
Position	P1-D11	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28

Sample Chromatogram

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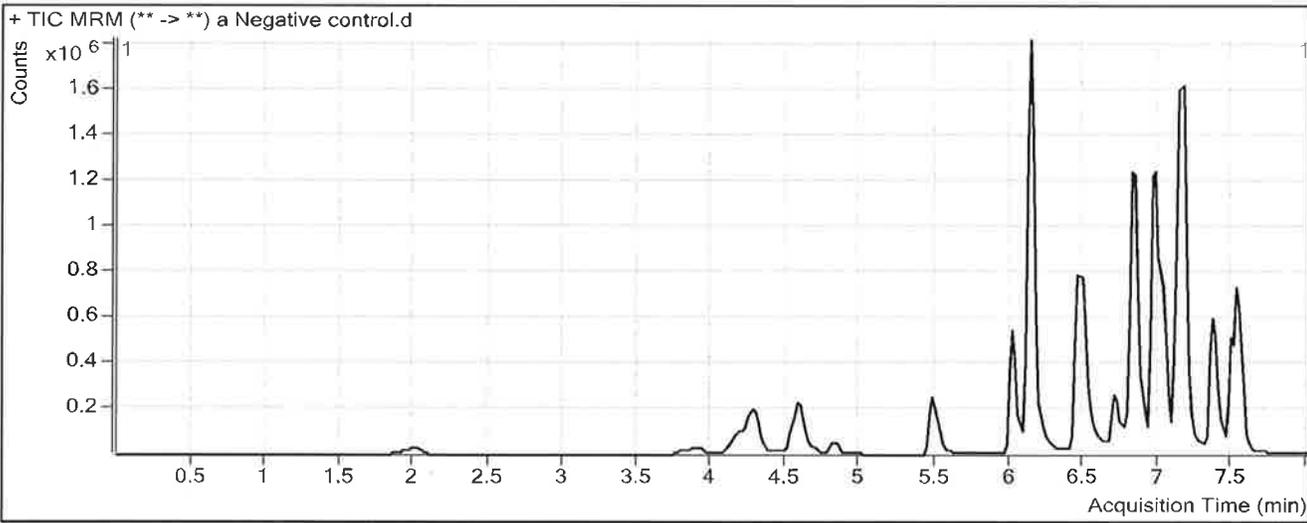
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Phentermine	Phentermine-D5	5.526	4116	1084448	0.0038	0.5256 <5
Tramadol	Tramadol-13C-D3	6.159	45371	5781014	0.0078	0.6020 <5

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

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\060418 MDQ P1 P2 SP\QuantResults\060418 MDQP1a SP.batch.bin		
Analysis Time	6/6/2018 10:21 AM	**Analyst Name**	ISPUser
Report Time	6/6/2018 10:25 AM	**Reporter Name**	ISPUser
Last Calib Update	6/6/2018 10:21 AM	**Batch State**	Processed

Analysis Info

Acq Time	2018-06-05 02:44	**Data File**	a External control-50ng mL.d
Sample Type	Sample	**Sample Name**	a External control-50ng mL.d
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
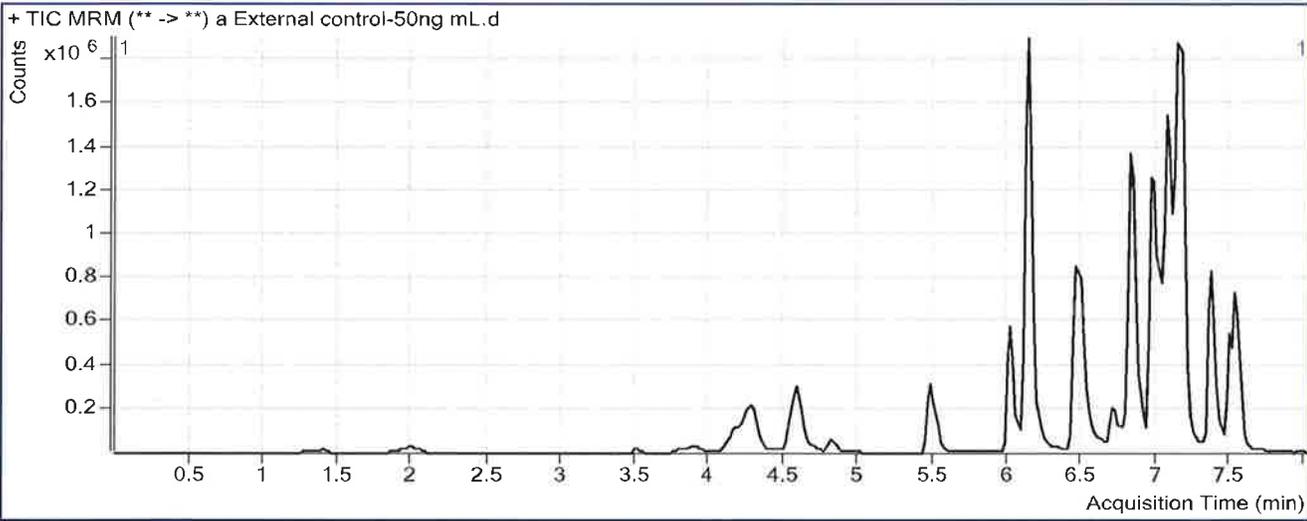
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.368	81685	37785	2.1619	44.8894
Amphetamine	Amphetamine-D11	4.304	134981	622077	0.2170	2.2307 ‹5
Tramadol	Tramadol-13C-D3	6.159	43066	6004389	0.0072	0.5715 ‹5
Trazodone	Trazodone-D6	7.055	2263720	1889305	1.1982	41.8362

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

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\060418 MDQ P1 P2 SP\QuantResults\060418 MDQP1a SP.batch.bin		
Analysis Time	6/6/2018 10:21 AM	**Analyst Name**	ISPUser
Report Time	6/6/2018 10:25 AM	**Reporter Name**	ISPUser
Last Calib Update	6/6/2018 10:21 AM	**Batch State**	Processed

Analysis Info

Acq Time	2018-06-05 03:47	**Data File**	a QC 10 (QC1).d
Sample Type	QC	**Sample Name**	a QC 10 (QC1).d
Dilution	1	**Acq Method**	MD Quant Panel 1a 1-19-2018.m
Position	P1-H11	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28
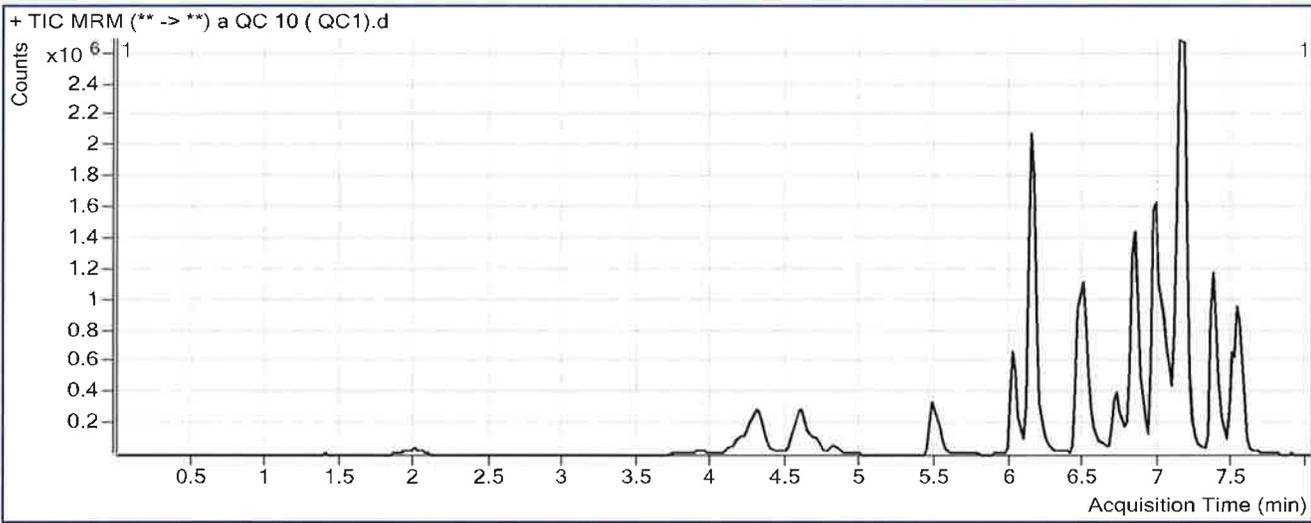
Sample Chromatogram

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

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc	
Morphine	Morphine-D6	1.368	15223	33935	0.4486	9.3927	
Hydromorphone	Hydromorphone-D6	2.029	65458	250169	0.2617	9.5644	
~~Codeine~~	~~Codeine-D6~~	~~3.852~~	~~26011~~	~~137548~~	~~0.1891~~	~~9.1637~~	Did not evaluate
Amphetamine	Amphetamine-D11	4.324	508843	624948	0.8142	10.3241	
Oxycodone	Oxycodone-D6	4.330	279366	1046226	0.2670	9.8064	
Hydrocodone	Hydrocodone-D6	4.615	84986	580634	0.1464	9.1128	
Norhydrocodone	Norhydrocodone-D3	4.659	6158	151519	0.0406	11.4145	
Methamphetamine	Methamphetamine-D11	4.702	307469	899545	0.3418	9.3742	
6-MAM	6-MAM-D6	4.849	3797	182135	0.0208	0.9303	
Phentermine	Phentermine-D5	5.526	144366	1429361	0.1010	9.5673	
Dextrorphan	Dextrorphan-D3	6.022	195507	1901226	0.1028	9.5929	
7-aminoclonazepam	7-Aminoclonazepam-D4	6.134	209674	999708	0.2097	9.3761	
Tramadol	Tramadol-13C-D3	6.159	1178868	6040798	0.1952	9.0723	
Doxylamine	Doxylamine-D5	6.502	691721	4118728	0.1679	9.3006	
Bupropion	Bupropion-D9	6.730	266028	1104092	0.2409	9.2129	
Meprobamate	Meprobamate-D7	6.833	92990	396182	0.2347	9.2926	
Zolpidem	Zolpidem-D6	6.862	781762	4652218	0.1680	9.5675	
Venlafaxine	Venlafaxine-D6	6.986	1070456	4519208	0.2369	9.6717	
Trazodone	Trazodone-D6	7.055	528014	2047864	0.2578	9.3597	
Citalopram	Citalopram-D6	7.118	540215	2638676	0.2047	9.9860	

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Dextromethorphan	Dextromethorphan-D3	7.150	198481	870577	0.2280	10.3287
Diphenhydramine	Diphenhydramine-D3	7.173	954903	5604245	0.1704	9.8623
Promethazine	Promethazine-D3	7.368	720121	2817649	0.2556	10.0740
Clonazepam	Clonazepam-D4	7.405	264923	246784	1.0735	9.6441
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.480	44757	238121	0.1880	10.5716
Carisoprodol	Carisoprodol-D7	7.494	246806	989626	0.2494	9.7918
Lorazepam	Alprazolam-D5	7.523	110650	1653404	0.0669	2.3817 outside curve range
Alprazolam	Alprazolam-D5	7.547	491165	1653404	0.2971	9.3499

Batch Data Path   C:\MassHunter\Data\2018\MD Quant\060418 MDQ P1 P2 SP\QuantResults\060418 MDQP1a SP.batch.bin
Analysis Time   6/6/2018 10:21 AM   **Analyst Name**   ISPUser
Report Time   6/6/2018 10:25 AM   **Reporter Name**   ISPUser
Last Calib Update   6/6/2018 10:21 AM   **Batch State**   Processed

Analysis Info

Acq Time   2018-06-05 05:53   **Data File**   a QC 100 (QC2).d
**Sample Type**   QC   **Sample Name**   a QC 100 (QC2).d
Dilution   1   **Acq Method**   MD Quant Panel 1a 1-19-2018.m
Position   P1-G11   **Sample Info**
Inj Vol   -1   **Comment**   AM 28
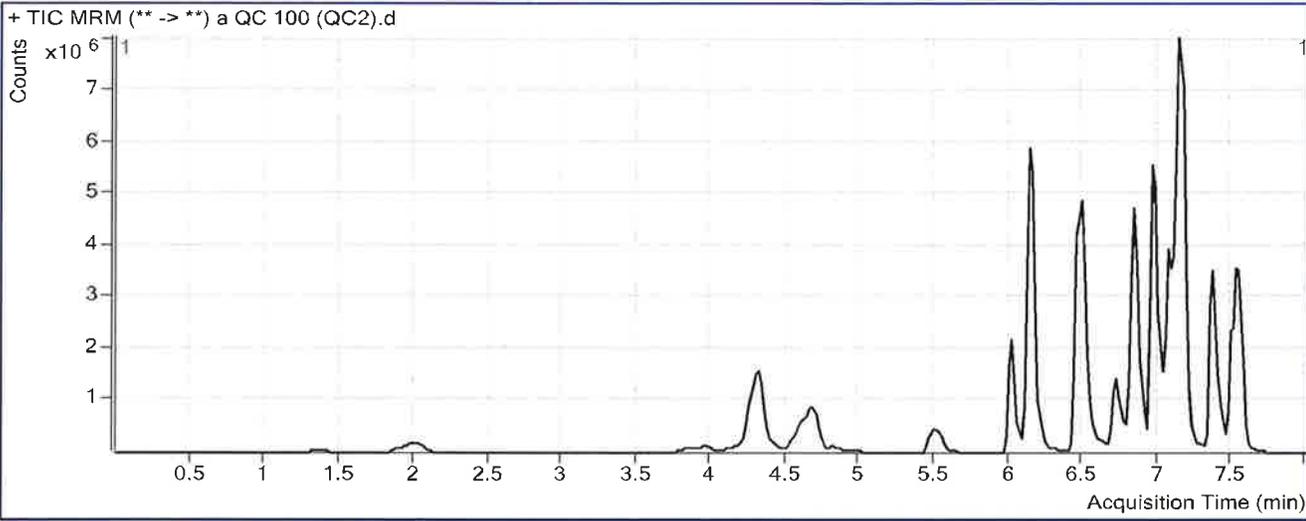
Sample Chromatogram

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

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.368	173456	30854	5.6219	116.5768
Hydromorphone	Hydromorphone-D6	2.009	824322	272848	3.0212	97.0964
~~Codeine~~	~~Codeine-D6~~	~~3.972~~	~~320385~~	~~142456~~	~~2.2490~~	~~83.2929~~ *Did not evaluate β*
Amphetamine	Amphetamine-D11	4.304	4022924	619245	6.4965	87.3280
Oxycodone	Oxycodone-D6	4.310	3296765	1142934	2.8845	95.4041
Hydrocodone	Hydrocodone-D6	4.615	1063156	622486	1.7079	98.6898
Norhydrocodone	Norhydrocodone-D3	4.659	62746	145710	0.4306	93.6398
Methamphetamine	Methamphetamine-D11	4.682	2747179	837092	3.2818	81.7345
6-MAM	6-MAM-D6	4.829	43525	191387	0.2274	9.3123
Phentermine	Phentermine-D5	5.526	1438113	1294784	1.1107	103.4867
Dextrorphan	Dextrorphan-D3	6.022	2229636	2015402	1.1063	91.9098
7-aminoclonazepam	7-Aminoclonazepam-D4	6.134	2272343	997063	2.2790	98.1738
Tramadol	Tramadol-13C-D3	6.159	13348030	6433068	2.0749	94.0797
Doxylamine	Doxylamine-D5	6.483	7632900	4267978	1.7884	92.7294
Bupropion	Bupropion-D9	6.730	2328109	879700	2.6465	92.0185
Meprobamate	Meprobamate-D7	6.813	978955	358796	2.7284	104.7652
Zolpidem	Zolpidem-D6	6.842	8777870	5013613	1.7508	98.8534
Venlafaxine	Venlafaxine-D6	6.966	11925409	4600520	2.5922	100.3379
Trazodone	Trazodone-D6	7.055	5947295	2186313	2.7202	94.4038
Citalopram	Citalopram-D6	7.118	5144723	2360190	2.1798	92.6740

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Dextromethorphan	Dextromethorphan-D3	7.150	1849422	798098	2.3173	87.7447
Diphenhydramine	Diphenhydramine-D3	7.173	9727223	5383198	1.8070	100.3007
Promethazine	Promethazine-D3	7.368	6787323	2611787	2.5987	96.8466
Clonazepam	Clonazepam-D4	7.405	2123141	190215	11.1618	92.4239
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.480	434081	204529	2.1223	85.4324
Carisoprodol	Carisoprodol-D7	7.514	2372806	889122	2.6687	96.4408
Lorazepam	Alprazolam-D5	7.523	704205	1527827	0.4609	99.8460
Alprazolam	Alprazolam-D5	7.547	5151971	1527827	3.3721	96.6822

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

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\060418 MDQ P1 P2 SP\QuantResults\060418 MDQP1a SP.batch.bin		
Analysis Time	6/6/2018 10:21 AM	**Analyst Name**	ISPUser
Report Time	6/6/2018 10:25 AM	**Reporter Name**	ISPUser
Last Calib Update	6/6/2018 10:21 AM	**Batch State**	Processed

Analysis Info

Acq Time	2018-06-05 08:15	**Data File**	a QC 250 (QC 3).d
Sample Type	QC	**Sample Name**	a QC 250 (QC 3).d
Dilution	1	**Acq Method**	MD Quant Panel 1a 1-19-2018.m
Position	P1-F11	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28
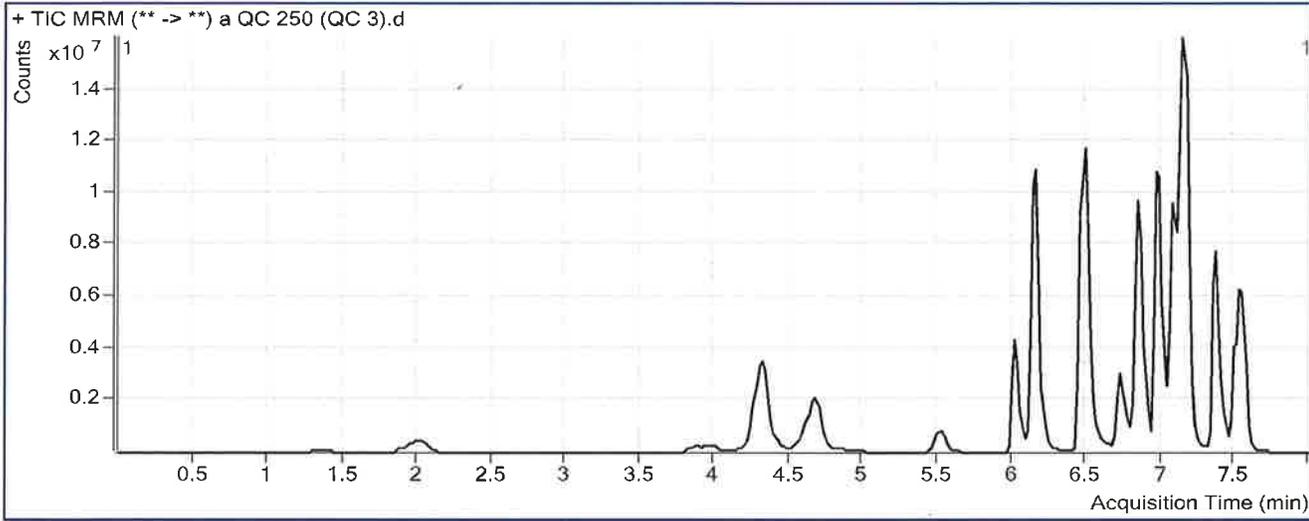
Sample Chromatogram

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

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.368	458900	31960	14.3584	297.5878
Hydromorphone	Hydromorphone-D6	2.029	2036020	250948	8.1133	258.6187
Codeine	Codeine-D6	3.972	805538	136652	5.8948	214.4937 *Did not evaluate*
Amphetamine	Amphetamine-D11	4.304	9467383	559107	16.9330	228.7597
Oxycodone	Oxycodone-D6	4.310	8182501	1049763	7.7946	255.9786
Hydrocodone	Hydrocodone-D6	4.615	2491171	564162	4.4157	254.0194
Norhydrocodone	Norhydrocodone-D3	4.659	138360	121511	1.1387	242.9227
Methamphetamine	Methamphetamine-D11	4.682	6828557	806649	8.4653	209.3127
6-MAM	6-MAM-D6	4.829	104379	174448	0.5983	24.3631
Phentermine	Phentermine-D5	5.526	3004124	1214937	2.4727	230.1729
Dextrorphan	Dextrorphan-D3	6.022	5437445	1893606	2.8715	236.7118
7-aminoclonazepam	7-Aminoclonazepam-D4	6.134	4784494	845834	5.6565	243.1091
Tramadol	Tramadol-13C-D3	6.159	30244345	5451115	5.5483	251.1546
Doxylamine	Doxylamine-D5	6.483	19817541	4093528	4.8412	249.8999
Bupropion	Bupropion-D9	6.730	5425744	788967	6.8770	237.6463
Meprobamate	Meprobamate-D7	6.833	2010560	311707	6.4502	247.2514
Zolpidem	Zolpidem-D6	6.842	22572100	4764202	4.7379	267.3567
Venlafaxine	Venlafaxine-D6	6.966	27883121	4283083	6.5101	251.1535
Trazodone	Trazodone-D6	7.055	15095753	2113377	7.1430	247.1512
Citalopram	Citalopram-D6	7.118	12775587	2242856	5.6961	239.8888

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Dextromethorphan	Dextromethorphan-D3	7.150	4866976	772107	6.3035	235.4482
Diphenhydramine	Diphenhydramine-D3	7.173	23076393	5014204	4.6022	254.7685
Promethazine	Promethazine-D3	7.368	17998701	2642507	6.8112	252.8454
Clonazepam	Clonazepam-D4	7.405	3722996	132838	28.0267	230.8098
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.480	824050	146174	5.6375	221.4677
Carisoprodol	Carisoprodol-D7	7.514	4561720	674165	6.7665	243.2044
Lorazepam	Alprazolam-D5	7.523	1188806	1187128	1.0014	233.5502
Alprazolam	Alprazolam-D5	7.547	10189791	1187128	8.5836	244.6906

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

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\060418 MDQ P1 P2 SP\QuantResults\060418 MDQP1a SP.batch.bin
Analysis Time	6/6/2018 10:21 AM
Report Time	6/6/2018 10:27 AM
Last Calib Update	6/6/2018 10:21 AM

Analysis Time	6/6/2018 10:21 AM	**Analyst Name**	ISPUser
Report Time	6/6/2018 10:27 AM	**Reporter Name**	ISPUser
Last Calib Update	6/6/2018 10:21 AM	**Batch State**	Processed

Analysis Info

Acq Time	2018-06-05 11:24	**Data File**	a QC 1000 (QC 4).d
Sample Type	QC	**Sample Name**	a QC 1000 (QC 4).d
Dilution	1	**Acq Method**	MD Quant Panel 1a 1-19-2018.m
Position	P1-E11	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28
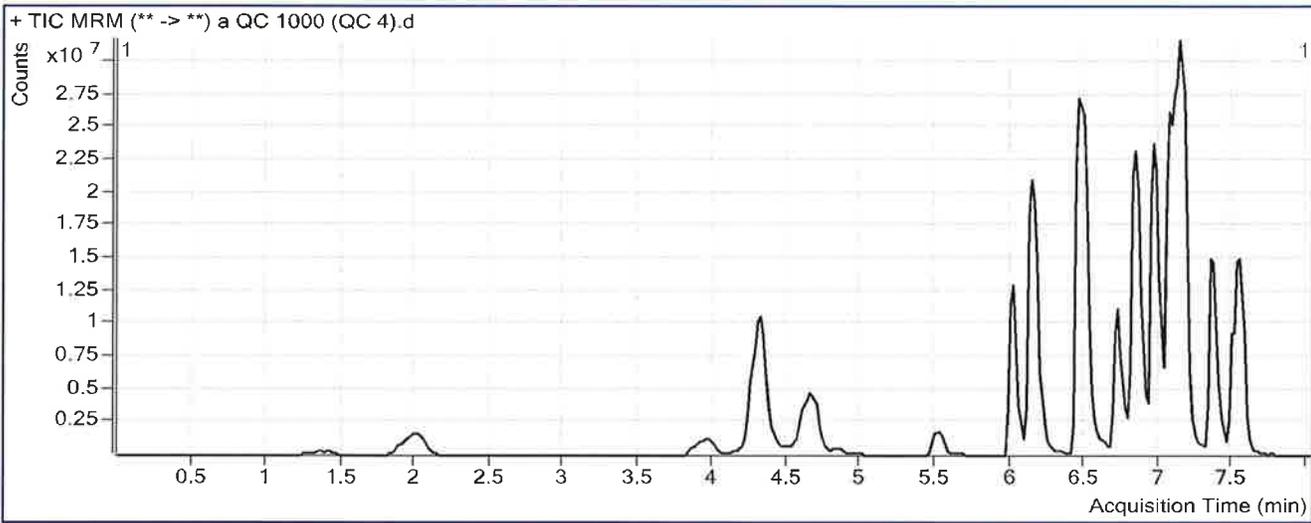
Sample Chromatogram

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

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc	
Morphine	Morphine-D6	1.368	1956026	26782	73.0355	1513.3067	*outside curve range*
Hydromorphone	Hydromorphone-D6	2.009	8121027	230668	35.2066	1118.0183	*Did not evaluate*
Codeine	Codeine-D6	3.952	2956217	108981	27.1259	978.5328	*outside curve range*
Amphetamine	Amphetamine-D11	4.304	22536580	422769	53.3071	721.6866	
Oxycodone	Oxycodone-D6	4.310	33217557	1054663	31.4959	1031.0736	
Hydrocodone	Hydrocodone-D6	4.594	9255745	530193	17.4573	1002.1394	
Norhydrocodone	Norhydrocodone-D3	4.659	489220	89814	5.4471	1151.3123	
Methamphetamine	Methamphetamine-D11	4.682	16124422	387600	41.6007	1024.8498	
6-MAM	6-MAM-D6	4.829	429014	156859	2.7350	111.0628	
Phentermine	Phentermine-D5	5.526	9023872	826015	10.9246	1016.3497	
Dextrorphan	Dextrorphan-D3	6.022	19835073	1555610	12.7507	1047.1270	
7-aminoclonazepam	7-Aminoclonazepam-D4	6.113	12687418	587566	21.5932	926.9821	
Tramadol	Tramadol-13C-D3	6.139	79108953	5046307	15.6766	709.1828	*Outside curve range*
Doxylamine	Doxylamine-D5	6.463	64590420	3865377	16.7100	860.9588	
Bupropion	Bupropion-D9	6.730	21216166	687693	30.8512	1062.9094	
Meprobamate	Meprobamate-D7	6.813	5530092	220225	25.1111	961.6855	
Zolpidem	Zolpidem-D6	6.842	65222767	4058629	16.0701	906.6258	
Venlafaxine	Venlafaxine-D6	6.966	70666828	3429249	20.6071	793.8082	*outside curve range*
Trazodone	Trazodone-D6	7.055	47522072	1876034	25.3311	875.3170	
Citalopram	Citalopram-D6	7.097	28159131	1203748	23.3929	980.7809	

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Dextromethorphan	Dextromethorphan-D3	7.130	12113598	437649	27.6788	1027.4806
Diphenhydramine	Diphenhydramine-D3	7.173	55927473	3233933	17.2939	956.1258
Promethazine	Promethazine-D3	7.348	38735969	1509314	25.6646	951.0319
Clonazepam	Clonazepam-D4	7.405	7024692	55241	127.1642	1044.2880
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.480	2105217	81047	25.9752	1008.5393
Carisoprodol	Carisoprodol-D7	7.494	10740180	350349	30.6557	1098.8085
Lorazepam	Alprazolam-D5	7.523	3315316	740327	4.4782	1093.6091
Alprazolam	Alprazolam-D5	7.547	28065417	740327	37.9095	1077.5600

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\060418 MDQ P1 P2 SP\QuantResults\060418 MDQP1a SP.batch.bin
Last Calib Update	6/6/2018 10:21 AM **Analyst Name** ISP TOX

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

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

$y = 0.048265 * x - 0.004751$
$R^2 = 0.99923513$
Type:Linear, Origin:Ignore, Weight:$1/x^2$
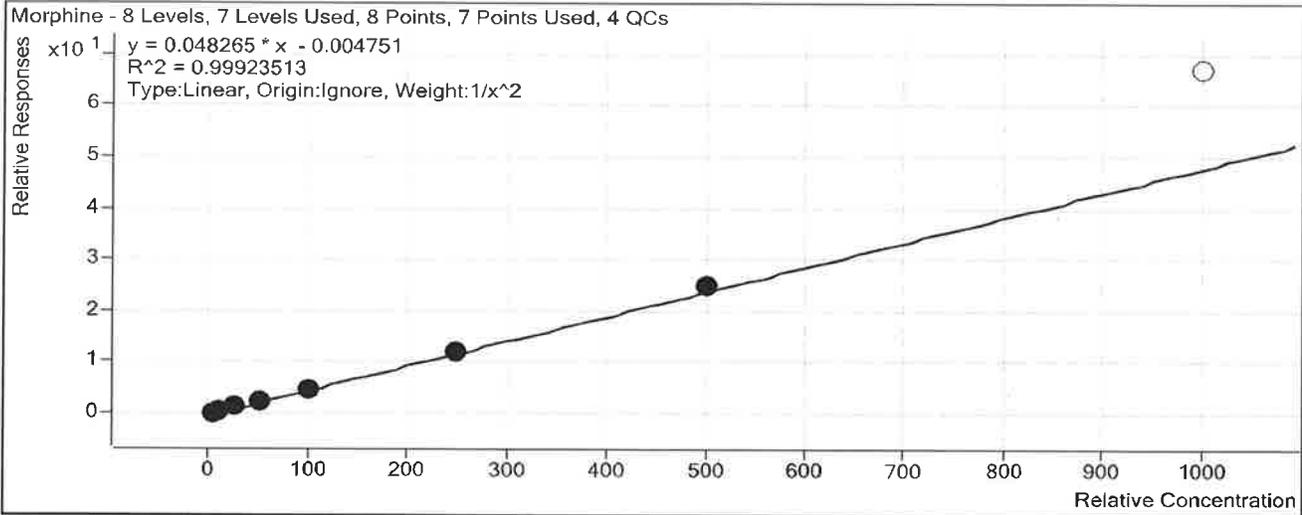
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	☑	5	5.0	99.3
a cal 2-10ng.d	2	☑	10	10.1	101.3
a QC 10 (QC1).d	2	☑	10	9.4	93.9
a cal 3-25ng.d	3	☑	25	25.4	101.6
a cal 4-50ng.d	4	☑	50	49.4	98.8
a cal 5-100ng.d	5	☑	100	96.5	96.5
a QC 100 (QC2).d	5	☑	100	116.6	116.6
a cal 6-250ng.d	6	☑	250	247.1	98.8
a QC 250 (QC 3).d	6	☑	250	297.6	119.0
a cal 7-500ng.d	7	☑	500	518.2	103.6
a cal 8-1000ng.d	8	☐	1000	1386.1	138.6
a QC 1000 (QC 4).d	8	☐	1000	1513.3	151.3

|		
Batch Data Path	C:\MassHunter\Data\2018\MD Quant\060418 MDQ P1 P2 SP\QuantResults\060418 MDQP1a SP.batch.bin	
Last Calib Update	6/6/2018 10:21 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

$y = 0.031526 * x - 0.039871$
$R^2 = 0.99399570$
Type:Linear, Origin:Ignore, Weight:1/x^2
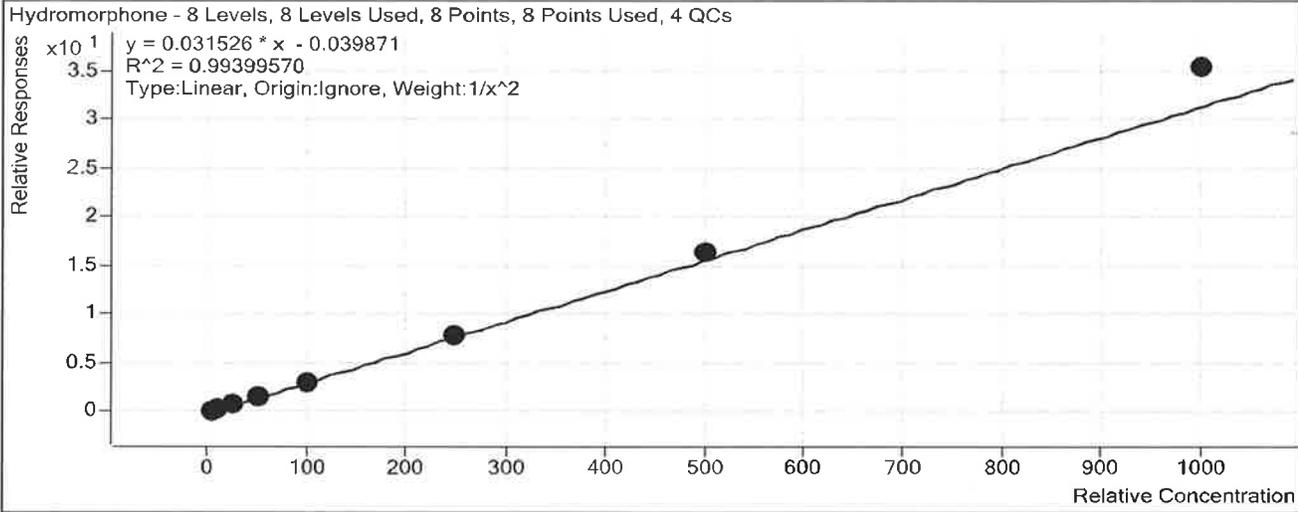
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	☑	5	5.1	102.6
a cal 2-10ng.d	2	☑	10	10.0	100.0
a QC 10 (QC1).d	2	☑	10	9.6	95.6
a cal 3-25ng.d	3	☑	25	22.5	89.9
a cal 4-50ng.d	4	☑	50	47.3	94.6
a cal 5-100ng.d	5	☑	100	96.1	96.1
a QC 100 (QC2).d	5	☑	100	97.1	97.1
a cal 6-250ng.d	6	☑	250	251.0	100.4
a QC 250 (QC 3).d	6	☑	250	258.6	103.4
a cal 7-500ng.d	7	☑	500	521.9	104.4
a cal 8-1000ng.d	8	☑	1000	1120.2	112.0
a QC 1000 (QC 4).d	8	☑	1000	1118.0	111.8

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\060418 MDQ P1 P2 SP\QuantResults\060418 MDQP1a SP.batch.bin	
Last Calib Update	6/6/2018 10:21 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

$y = 0.027788 * x - 0.065538$
$R^2 = 0.99708886$
Type:Linear, Origin:Ignore, Weight:1/x
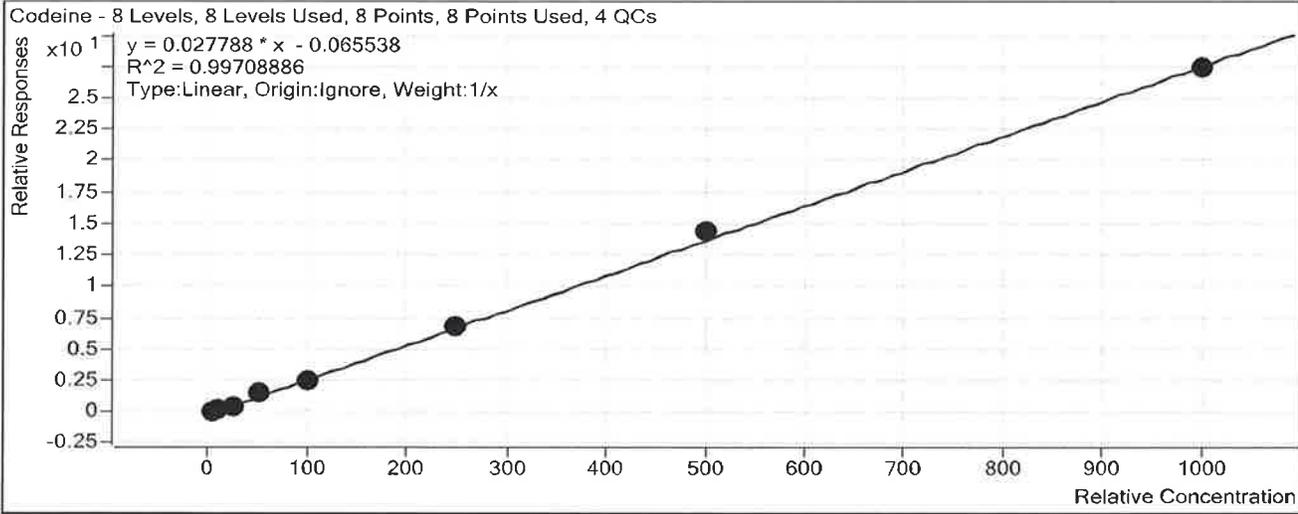
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	☑	5	6.0	119.3
a cal 2-10ng.d	2	☑	10	10.1	101.2
a QC 10 (QC1).d	2	☑	10	9.2	91.6
a cal 3-25ng.d	3	☑	25	18.5	73.8
a cal 4-50ng.d	4	☑	50	56.8	113.6
a cal 5-100ng.d	5	☑	100	89.6	89.6
a QC 100 (QC2).d	5	☑	100	83.3	83.3
a cal 6-250ng.d	6	☑	250	247.3	98.9
a QC 250 (QC 3).d	6	☑	250	214.5	85.8
a cal 7-500ng.d	7	☑	500	523.5	104.7
a cal 8-1000ng.d	8	☑	1000	988.3	98.8
a QC 1000 (QC 4).d	8	☑	1000	978.5	97.9

Did not evaluate codeine *to due to poor peak shape.

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\060418 MDQ P1 P2 SP\QuantResults\060418 MDQP1a SP.batch.bin		
Last Calib Update	6/6/2018 10:21 AM	**Analyst Name**	ISP TOX

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

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

$y = 0.073792 * x + 0.052379$
$R^2 = 0.98438766$
Type:Linear, Origin:Ignore, Weight:$1/x^2$
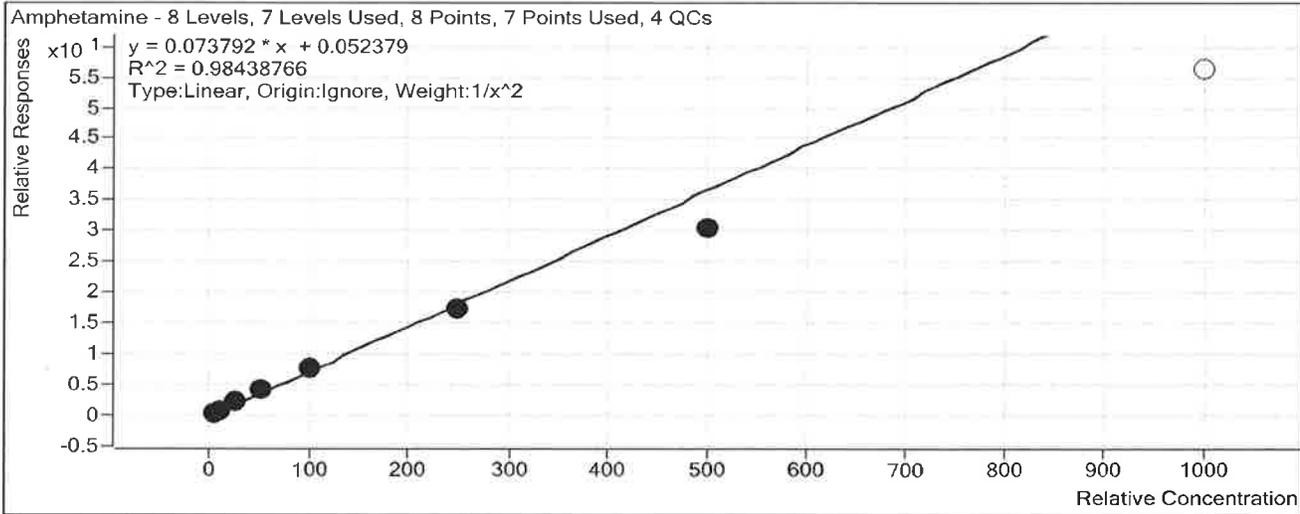
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	☑	5	4.7	94.7
a cal 2-10ng.d	2	☑	10	10.4	103.9
a QC 10 (QC1).d	2	☑	10	10.3	103.2
a cal 3-25ng.d	3	☑	25	27.8	111.3
a cal 4-50ng.d	4	☑	50	56.4	112.7
a cal 5-100ng.d	5	☑	100	101.3	101.3
a QC 100 (QC2).d	5	☑	100	87.3	87.3
a cal 6-250ng.d	6	☑	250	233.5	93.4
a QC 250 (QC 3).d	6	☑	250	228.8	91.5
a cal 7-500ng.d	7	☑	500	413.0	82.6
a cal 8-1000ng.d	8	☐	1000	761.8	76.2
a QC 1000 (QC 4).d	8	☐	1000	721.7	72.2

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\060418 MDQ P1 P2 SP\QuantResults\060418 MDQP1a SP.batch.bin
Last Calib Update	6/6/2018 10:21 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

$y = 0.030579 * x - 0.032842$
$R^2 = 0.99598253$
Type:Linear, Origin:Ignore, Weight:1/x^2
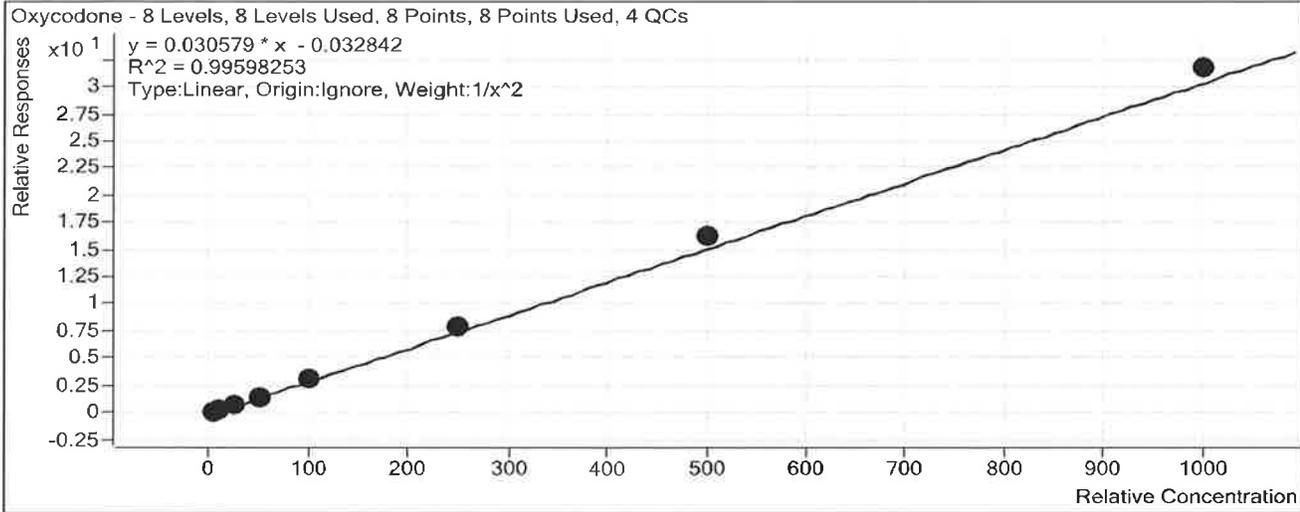
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	☑	5	5.3	105.4
a cal 2-10ng.d	2	☑	10	9.2	92.0
a QC 10 (QC1).d	2	☑	10	9.8	98.1
a cal 3-25ng.d	3	☑	25	23.8	95.3
a cal 4-50ng.d	4	☑	50	47.1	94.2
a cal 5-100ng.d	5	☑	100	99.8	99.8
a QC 100 (QC2).d	5	☑	100	95.4	95.4
a cal 6-250ng.d	6	☑	250	258.7	103.5
a QC 250 (QC 3).d	6	☑	250	256.0	102.4
a cal 7-500ng.d	7	☑	500	530.4	106.1
a cal 8-1000ng.d	8	☑	1000	1037.5	103.7
a QC 1000 (QC 4).d	8	☑	1000	1031.1	103.1

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\060418 MDQ P1 P2 SP\QuantResults\060418 MDQP1a SP.batch.bin
Last Calib Update	6/6/2018 10:21 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

$y = 0.017432 * x - 0.012491$
$R^2 = 0.99928332$
Type:Linear, Origin:Ignore, Weight:1/x
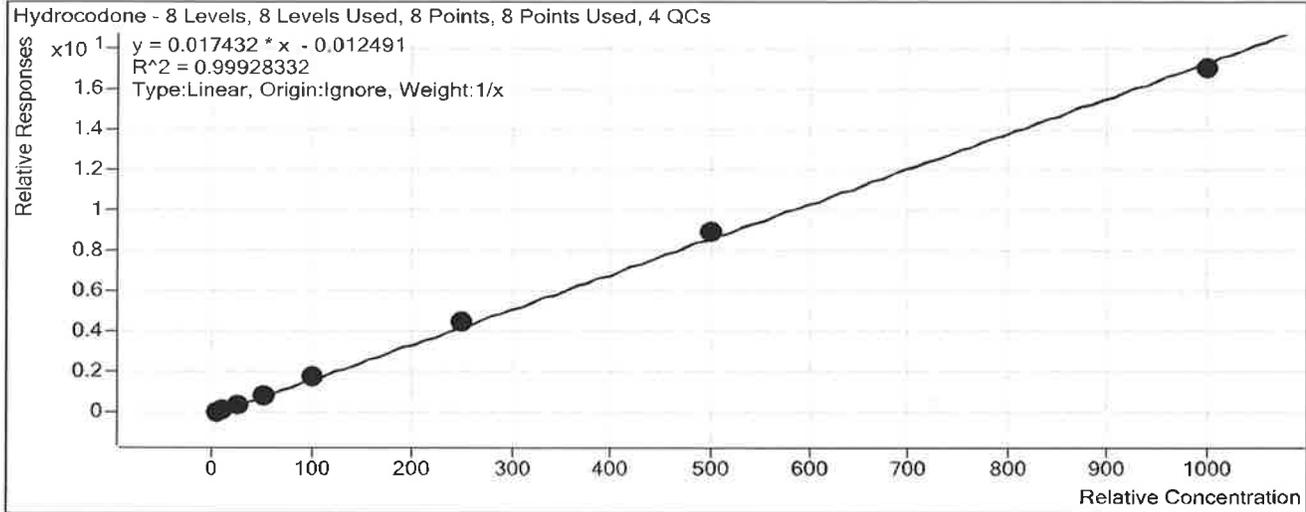
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	☑	5	4.9	98.2
a cal 2-10ng.d	2	☑	10	9.7	97.1
a QC 10 (QC1).d	2	☑	10	9.1	91.1
a cal 3-25ng.d	3	☑	25	24.5	98.2
a cal 4-50ng.d	4	☑	50	49.9	99.8
a cal 5-100ng.d	5	☑	100	103.5	103.5
a QC 100 (QC2).d	5	☑	100	98.7	98.7
a cal 6-250ng.d	6	☑	250	256.9	102.8
a QC 250 (QC 3).d	6	☑	250	254.0	101.6
a cal 7-500ng.d	7	☑	500	514.0	102.8
a cal 8-1000ng.d	8	☑	1000	976.6	97.7
a QC 1000 (QC 4).d	8	☑	1000	1002.1	100.2

|		
Batch Data Path	C:\MassHunter\Data\2018\MD Quant\060418 MDQ P1 P2 SP\QuantResults\060418 MDQP1a SP.batch.bin	
Last Calib Update	6/6/2018 10:21 AM **Analyst Name**	ISP TOX

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

Norhydrocodone - 8 Levels, 7 Levels Used. 8 Points, 7 Points Used, 4 QCs

$y = 0.004743 * x - 0.013499$
$R^2 = 0.98498513$
Type:Linear, Origin:Ignore, Weight:$1/x^2$
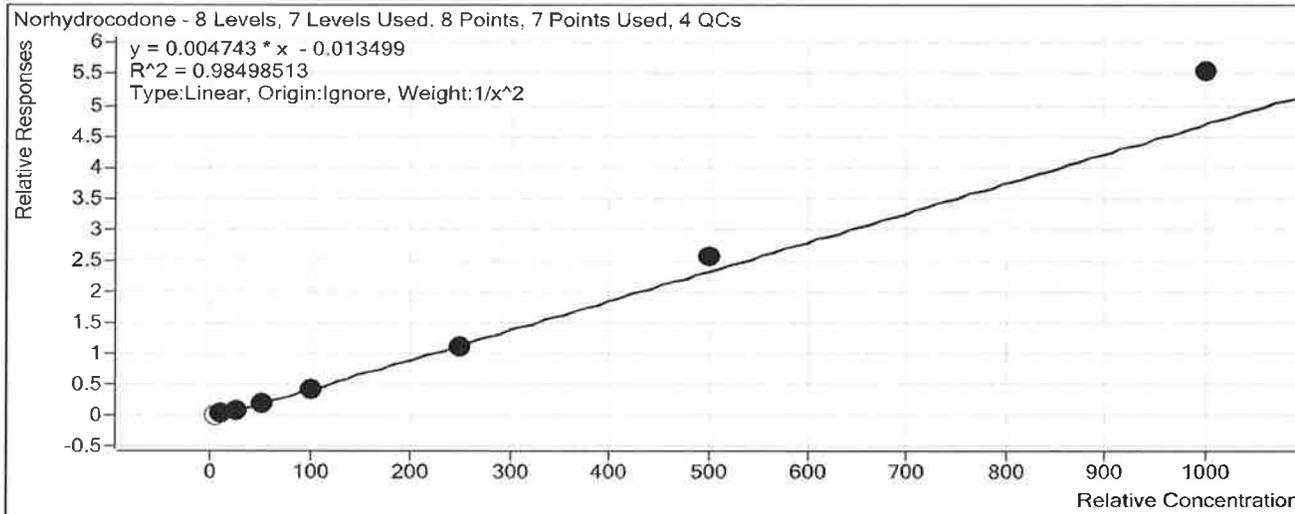
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	☐	5	6.9	138.6
a cal 2-10ng.d	2	☑	10	10.6	105.6
a QC 10 (QC1).d	2	☑	10	11.4	114.1
a cal 3-25ng.d	3	☑	25	23.0	91.8
a cal 4-50ng.d	4	☑	50	46.5	93.0
a cal 5-100ng.d	5	☑	100	88.7	88.7
a QC 100 (QC2).d	5	☑	100	93.6	93.6
a cal 6-250ng.d	6	☑	250	237.0	94.8
a QC 250 (QC 3).d	6	☑	250	242.9	97.2
a cal 7-500ng.d	7	☑	500	544.4	108.9
a cal 8-1000ng.d	8	☑	1000	1171.0	117.1
a QC 1000 (QC 4).d	8	☑	1000	1151.3	115.1

ISP Forensics
Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\060418 MDQ P1 P2 SP\QuantResults\060418 MDQP1a SP.batch.bin

**Last Calib Update** 6/6/2018 10:21 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

$y = 0.040630 * x - 0.039070$
$R^2 = 0.99941965$
Type:Linear, Origin:Ignore, Weight:1/x
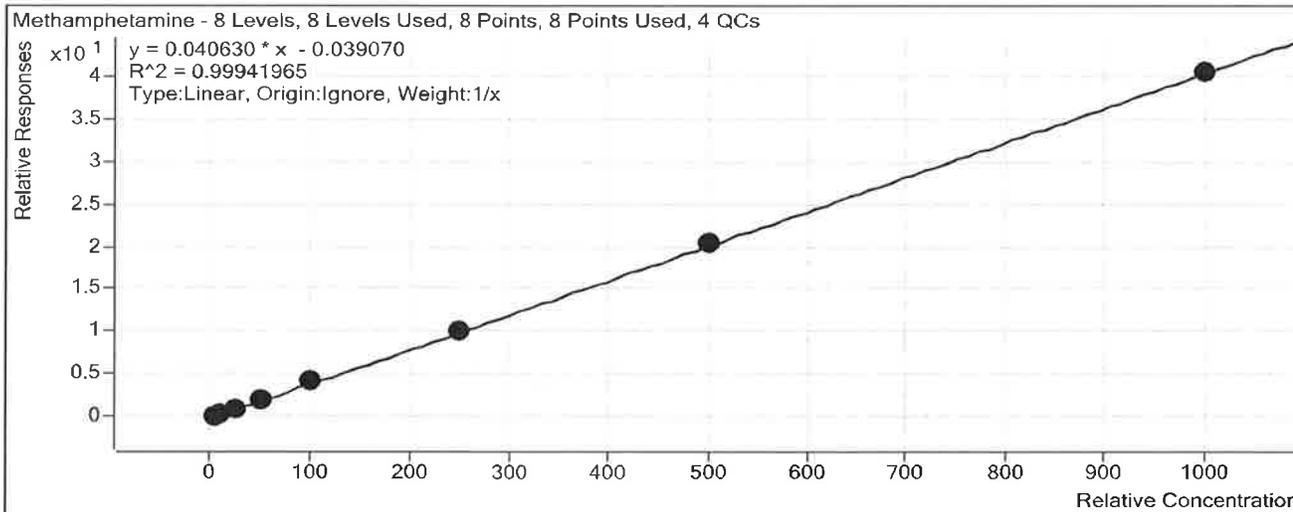
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	☑	5	5.4	108.8
a cal 2-10ng.d	2	☑	10	9.8	98.4
a QC 10 (QC1).d	2	☑	10	9.4	93.7
a cal 3-25ng.d	3	☑	25	21.3	85.4
a cal 4-50ng.d	4	☑	50	50.7	101.4
a cal 5-100ng.d	5	☑	100	106.5	106.5
a QC 100 (QC2).d	5	☑	100	81.7	81.7
a cal 6-250ng.d	6	☑	250	249.5	99.8
a QC 250 (QC 3).d	6	☑	250	209.3	83.7
a cal 7-500ng.d	7	☑	500	500.9	100.2
a cal 8-1000ng.d	8	☑	1000	995.8	99.6
a QC 1000 (QC 4).d	8	☑	1000	1024.8	102.5

**Batch Data Path**   C:\MassHunter\Data\2018\MD Quant\060418 MDQ P1 P2 SP\QuantResults\060418 MDQP1a SP.batch.bin

Last Calib Update   6/6/2018 10:21 AM   **Analyst Name**   ISP TOX

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

6-MAM - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs

$y = 0.024645 * x - 0.002079$
$R^2 = 0.99266755$
Type:Linear, Origin:Ignore, Weight:$1/x^2$
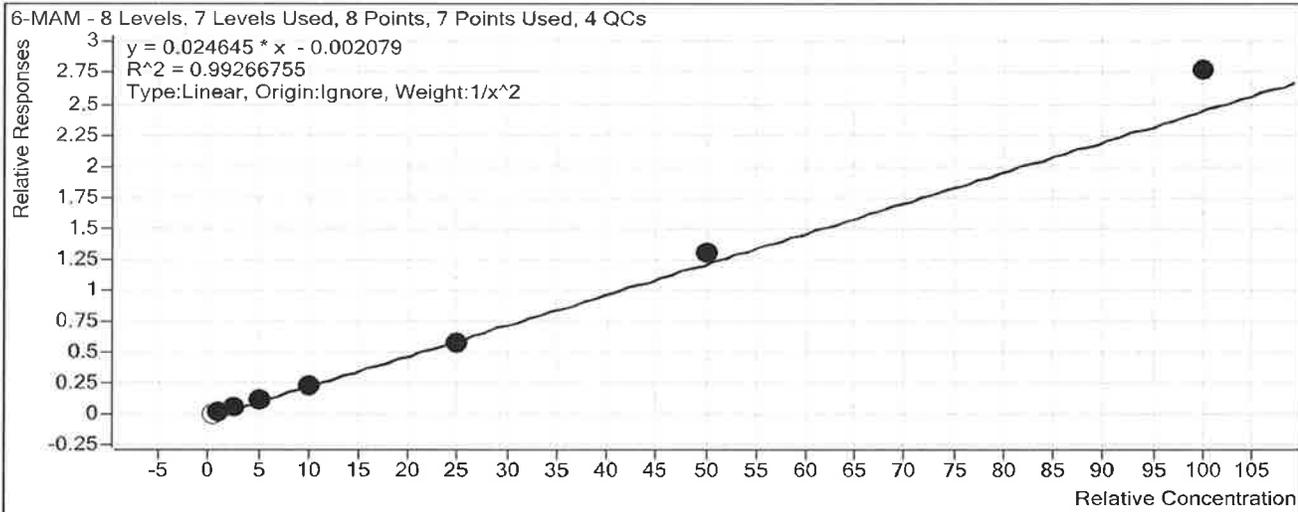
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	☐	0.5	0.6	116.7
a cal 2-10ng.d	2	☑	1	1.0	102.4
a QC 10 (QC1).d	2	☑	1	0.9	93.0
a cal 3-25ng.d	3	☑	2.5	2.4	97.8
a cal 4-50ng.d	4	☑	5	4.8	96.5
a cal 5-100ng.d	5	☑	10	9.2	92.0
a QC 100 (QC2).d	5	☑	10	9.3	93.1
a cal 6-250ng.d	6	☑	25	23.2	93.0
a QC 250 (QC 3).d	6	☑	25	24.4	97.5
a cal 7-500ng.d	7	☑	50	52.9	105.8
a cal 8-1000ng.d	8	☑	100	112.5	112.5
a QC 1000 (QC 4).d	8	☑	100	111.1	111.1

Batch Data Path C:\MassHunter\Data\2018\MD Quant\060418 MDQ P1 P2 SP\QuantResults\060418 MDQP1a SP.batch.bin

Last Calib Update 6/6/2018 10:21 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

$y = 0.010751 * x - 0.001855$
$R^2 = 0.99925734$
Type:Linear, Origin:Ignore, Weight:1/x
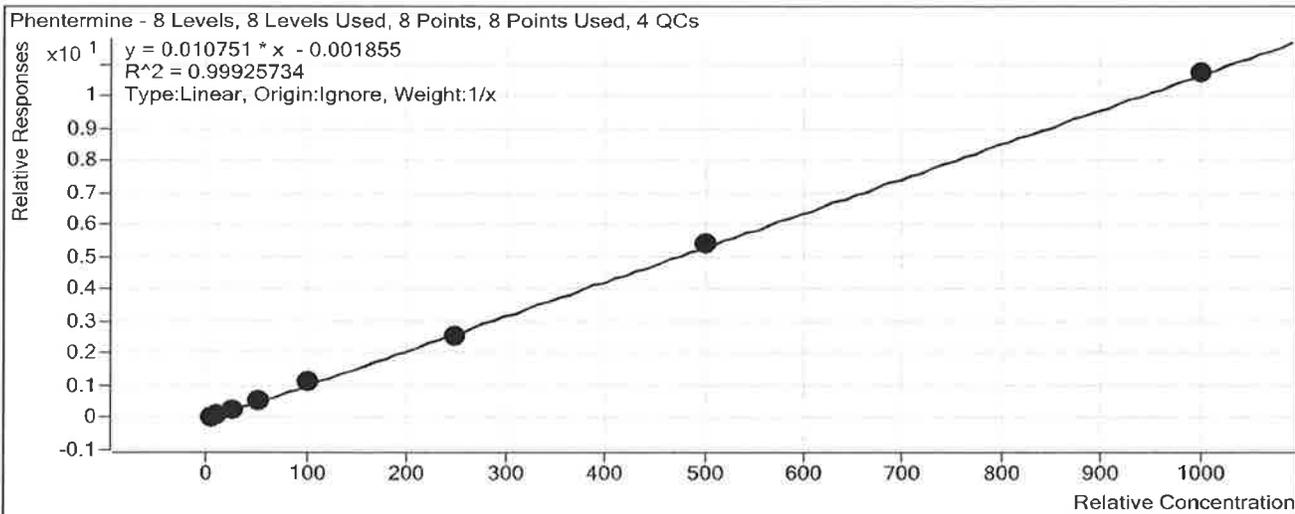
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	☑	5	4.9	97.7
a cal 2-10ng.d	2	☑	10	10.1	101.3
a QC 10 (QC1).d	2	☑	10	9.6	95.7
a cal 3-25ng.d	3	☑	25	24.5	98.0
a cal 4-50ng.d	4	☑	50	49.5	98.9
a cal 5-100ng.d	5	☑	100	107.8	107.8
a QC 100 (QC2).d	5	☑	100	103.5	103.5
a cal 6-250ng.d	6	☑	250	237.7	95.1
a QC 250 (QC 3).d	6	☑	250	230.2	92.1
a cal 7-500ng.d	7	☑	500	506.4	101.3
a cal 8-1000ng.d	8	☑	1000	999.1	99.9
a QC 1000 (QC 4).d	8	☑	1000	1016.3	101.6

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\060418 MDQ P1 P2 SP\QuantResults\060418 MDQP1a SP.batch.bin		
Last Calib Update	6/6/2018 10:21 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

$y = 0.012190 * x - 0.014108$
$R^2 = 0.99863545$
Type:Linear, Origin:Ignore, Weight:$1/x^2$
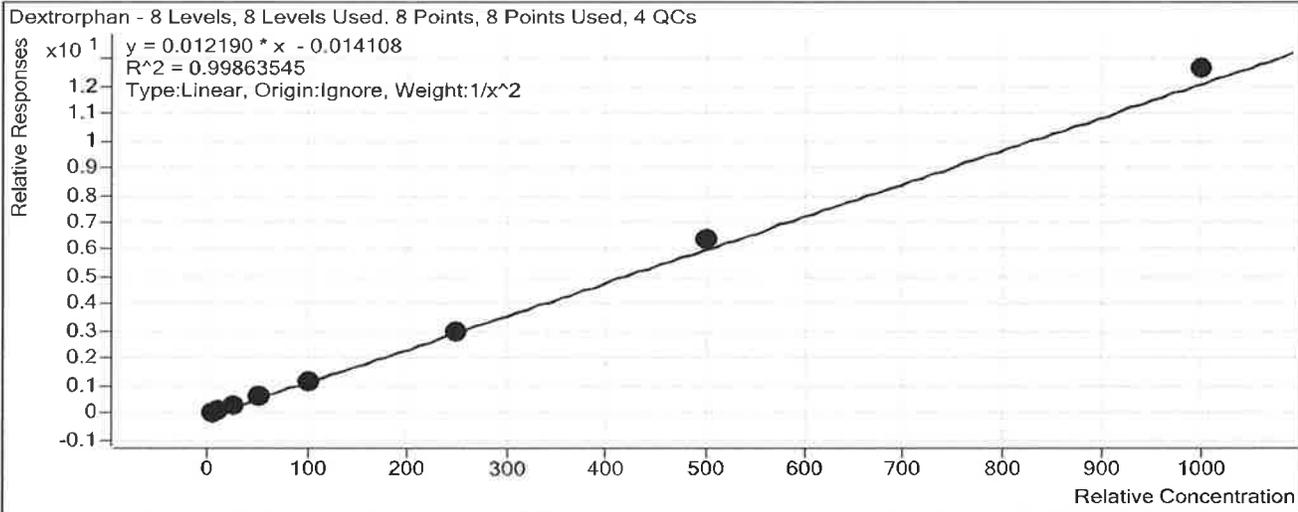
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	☑	5	5.1	102.3
a cal 2-10ng.d	2	☑	10	9.7	97.3
a QC 10 (QC1).d	2	☑	10	9.6	95.9
a cal 3-25ng.d	3	☑	25	24.0	96.1
a cal 4-50ng.d	4	☑	50	49.8	99.7
a cal 5-100ng.d	5	☑	100	97.6	97.6
a QC 100 (QC2).d	5	☑	100	91.9	91.9
a cal 6-250ng.d	6	☑	250	246.6	98.7
a QC 250 (QC 3).d	6	☑	250	236.7	94.7
a cal 7-500ng.d	7	☑	500	522.9	104.6
a cal 8-1000ng.d	8	☑	1000	1038.9	103.9
a QC 1000 (QC 4).d	8	☑	1000	1047.1	104.7

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Batch Data Path	C:\MassHunter\Data\2018\MD Quant\060418 MDQ P1 P2 SP\QuantResults\060418 MDQP1a SP.batch.bin
Last Calib Update	6/6/2018 10:21 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

$y = 0.023304 * x - 0.008761$
$R^2 = 0.99956616$
Type:Linear, Origin:Ignore, Weight:1/x
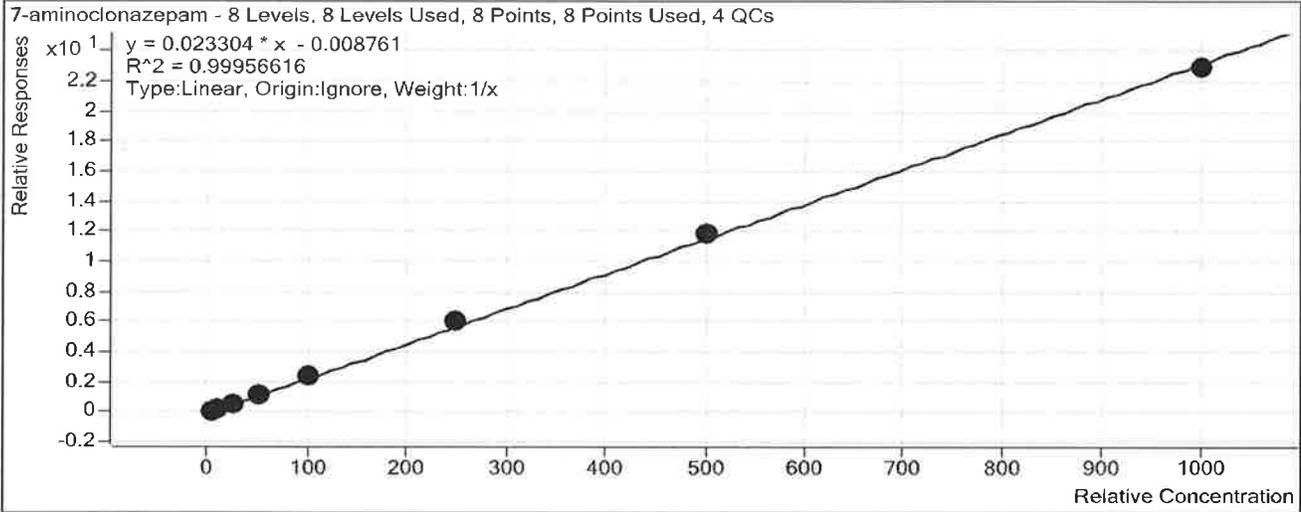
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	☑	5	4.8	95.4
a cal 2-10ng.d	2	☑	10	9.9	98.7
a QC 10 (QC1).d	2	☑	10	9.4	93.8
a cal 3-25ng.d	3	☑	25	24.8	99.4
a cal 4-50ng.d	4	☑	50	51.2	102.4
a cal 5-100ng.d	5	☑	100	101.2	101.2
a QC 100 (QC2).d	5	☑	100	98.2	98.2
a cal 6-250ng.d	6	☑	250	256.8	102.7
a QC 250 (QC 3).d	6	☑	250	243.1	97.2
a cal 7-500ng.d	7	☑	500	509.6	101.9
a cal 8-1000ng.d	8	☑	1000	981.6	98.2
a QC 1000 (QC 4).d	8	☑	1000	927.0	92.7

Calibration Curve Report

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Batch Data Path	C:\MassHunter\Data\2018\MD Quant\060418 MDQ P1 P2 SP\QuantResults\060418 MDQP1a SP.batch.bin		
Last Calib Update	6/6/2018 10:21 AM	**Analyst Name**	ISP TOX

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

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

$y = 0.022113 * x - 0.005465$
$R^2 = 0.99808041$
Type:Linear, Origin:Ignore, Weight:$1/x^2$
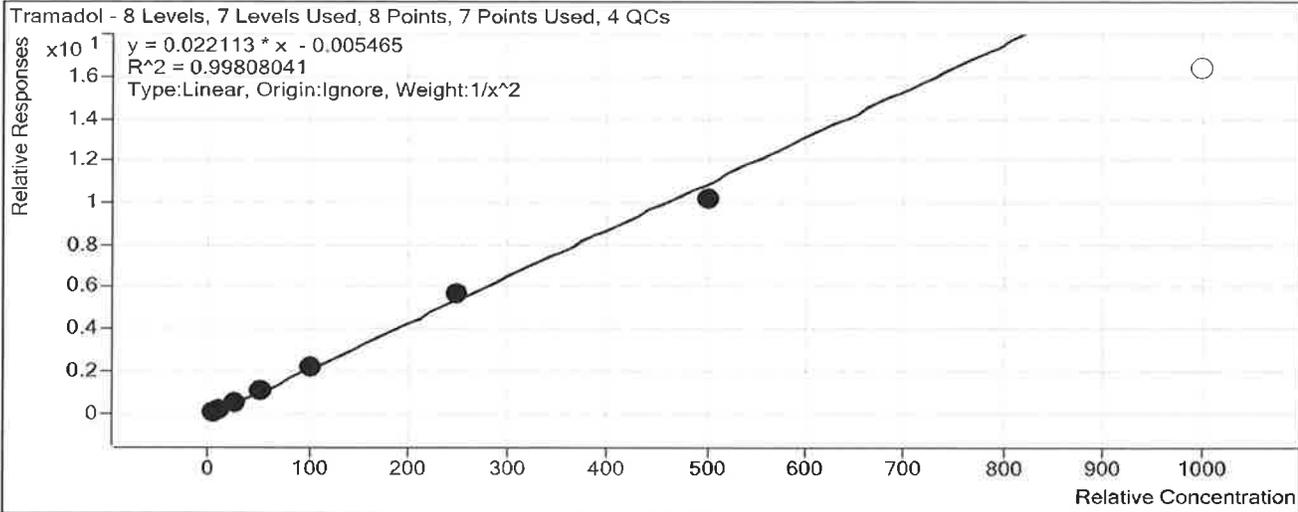
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	☑	5	5.0	99.8
a cal 2-10ng.d	2	☑	10	9.9	99.3
a QC 10 (QC1).d	2	☑	10	9.1	90.7
a cal 3-25ng.d	3	☑	25	25.3	101.4
a cal 4-50ng.d	4	☑	50	51.0	101.9
a cal 5-100ng.d	5	☑	100	102.0	102.0
a QC 100 (QC2).d	5	☑	100	94.1	94.1
a cal 6-250ng.d	6	☑	250	258.5	103.4
a QC 250 (QC 3).d	6	☑	250	251.2	100.5
a cal 7-500ng.d	7	☑	500	461.0	92.2
a cal 8-1000ng.d	8	☐	1000	741.7	74.2
a QC 1000 (QC 4).d	8	☐	1000	709.2	70.9

ISP Forensics
Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\060418 MDQ P1 P2 SP\QuantResults\060418 MDQP1a SP.batch.bin

Last Calib Update 6/6/2018 10:21 AM   **Analyst Name**   ISP TOX

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

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

$y = 0.019423 * x - 0.012703$
$R^2 = 0.99829367$
Type:Linear, Origin:Ignore, Weight:$1/x^2$
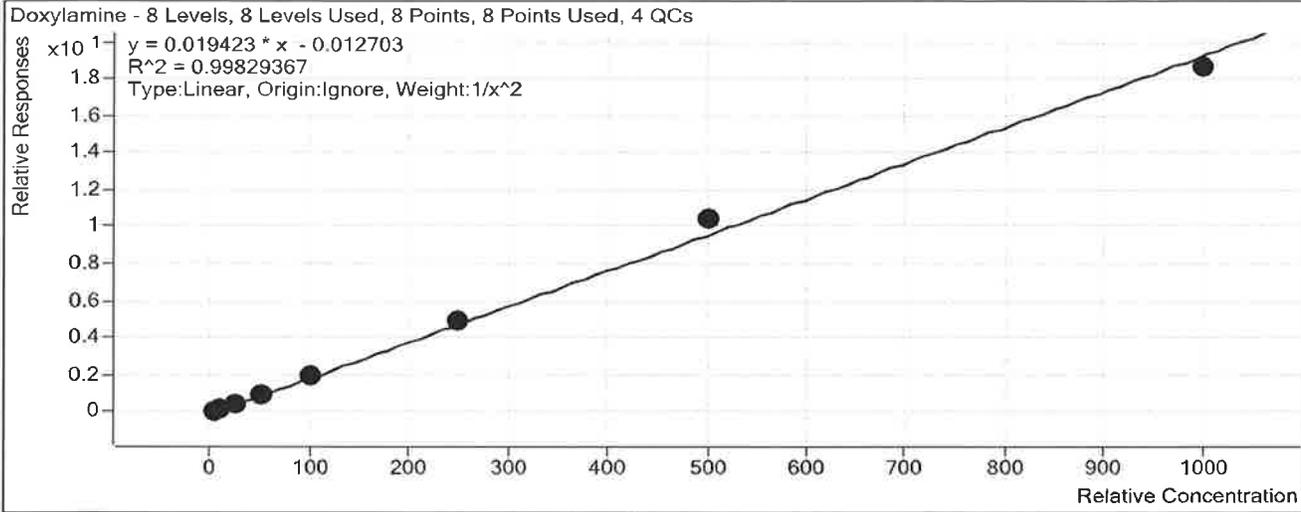
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	☑	5	5.0	99.5
a cal 2-10ng.d	2	☑	10	10.3	102.6
a QC 10 (QC1).d	2	☑	10	9.3	93.0
a cal 3-25ng.d	3	☑	25	24.2	96.7
a cal 4-50ng.d	4	☑	50	49.5	99.1
a cal 5-100ng.d	5	☑	100	98.4	98.4
a QC 100 (QC2).d	5	☑	100	92.7	92.7
a cal 6-250ng.d	6	☑	250	251.5	100.6
a QC 250 (QC 3).d	6	☑	250	249.9	100.0
a cal 7-500ng.d	7	☑	500	536.2	107.2
a cal 8-1000ng.d	8	☑	1000	959.6	96.0
a QC 1000 (QC 4).d	8	☑	1000	861.0	86.1

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\060418 MDQ P1 P2 SP\QuantResults\060418 MDQP1a SP.batch.bin		
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Target Compound *Bupropion*
Internal Standard *Bupropion-D9*

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

$y = 0.029050 * x - 0.026692$
$R^2 = 0.99805091$
Type:Linear, Origin:Ignore, Weight:$1/x^2$
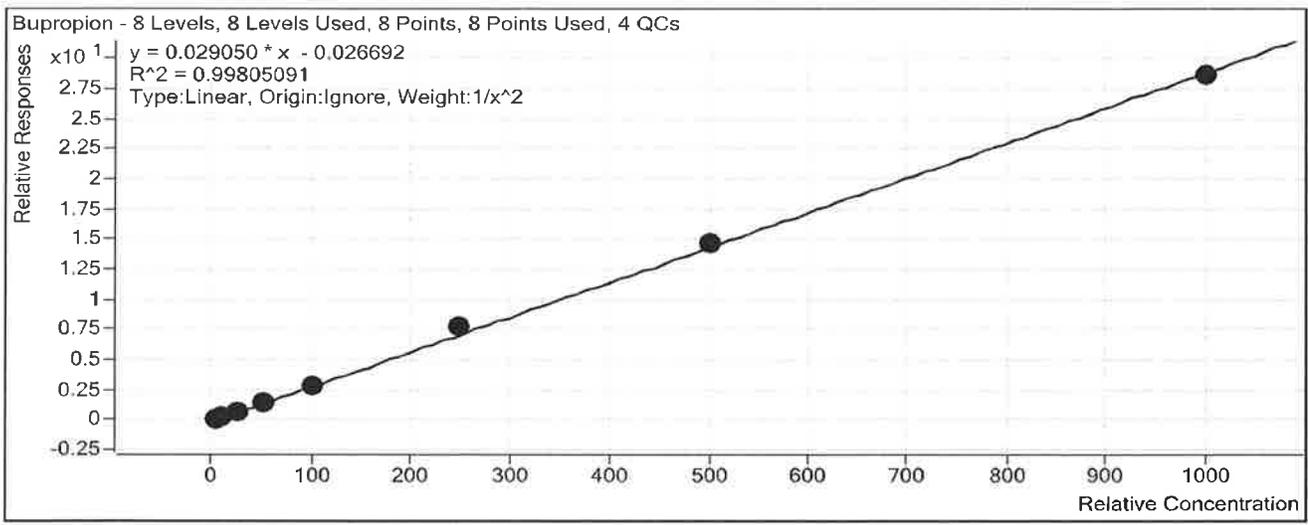
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	☑	5	5.1	101.4
a cal 2-10ng.d	2	☑	10	10.0	99.6
a QC 10 (QC1).d	2	☑	10	9.2	92.1
a cal 3-25ng.d	3	☑	25	23.4	93.5
a cal 4-50ng.d	4	☑	50	50.2	100.4
a cal 5-100ng.d	5	☑	100	98.3	98.3
a QC 100 (QC2).d	5	☑	100	92.0	92.0
a cal 6-250ng.d	6	☑	250	268.2	107.3
a QC 250 (QC 3).d	6	☑	250	237.6	95.1
a cal 7-500ng.d	7	☑	500	504.9	101.0
a cal 8-1000ng.d	8	☑	1000	985.1	98.5
a QC 1000 (QC 4).d	8	☑	1000	1062.9	106.3

Batch Data Path C:\MassHunter\Data\2018\MD Quant\060418 MDQ P1 P2 SP\QuantResults\060418 MDQP1a 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

$y = 0.026120 * x - 0.008005$
$R^2 = 0.99832802$
Type:Linear, Origin:Ignore, Weight:1/x^2
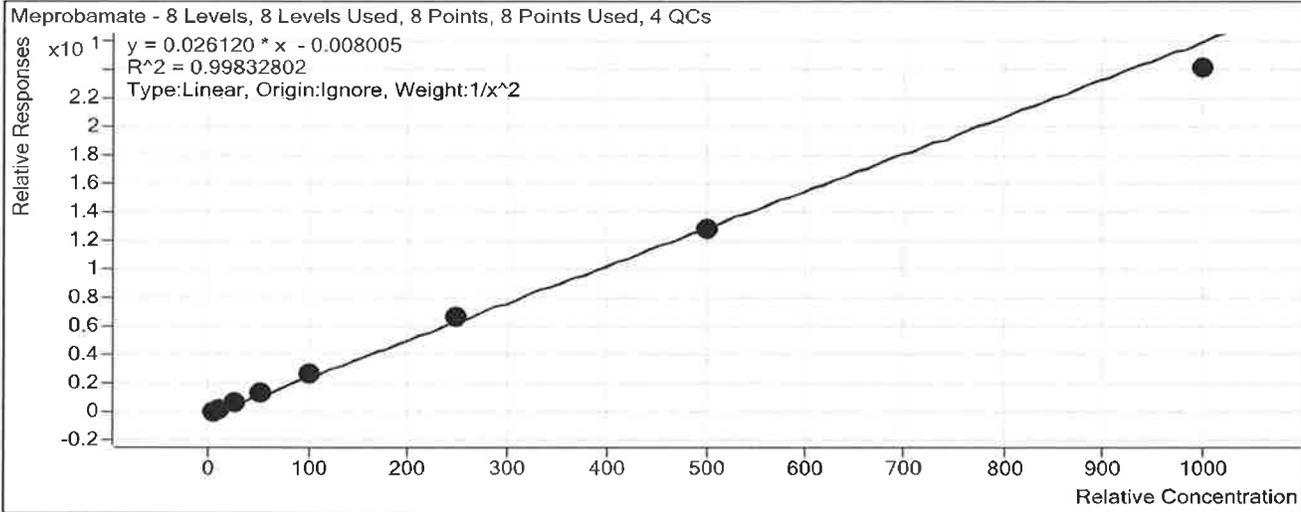
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	☑	5	5.0	99.1
a cal 2-10ng.d	2	☑	10	10.1	100.6
a QC 10 (QC1).d	2	☑	10	9.3	92.9
a cal 3-25ng.d	3	☑	25	25.2	100.7
a cal 4-50ng.d	4	☑	50	51.6	103.2
a cal 5-100ng.d	5	☑	100	101.4	101.4
a QC 100 (QC2).d	5	☑	100	104.8	104.8
a cal 6-250ng.d	6	☑	250	259.0	103.6
a QC 250 (QC 3).d	6	☑	250	247.3	98.9
a cal 7-500ng.d	7	☑	500	495.1	99.0
a cal 8-1000ng.d	8	☑	1000	922.4	92.2
a QC 1000 (QC 4).d	8	☑	1000	961.7	96.2

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

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

$y = 0.017727 * x - 0.001562$
$R^2 = 0.99465946$
Type:Linear, Origin:Ignore, Weight:1/x
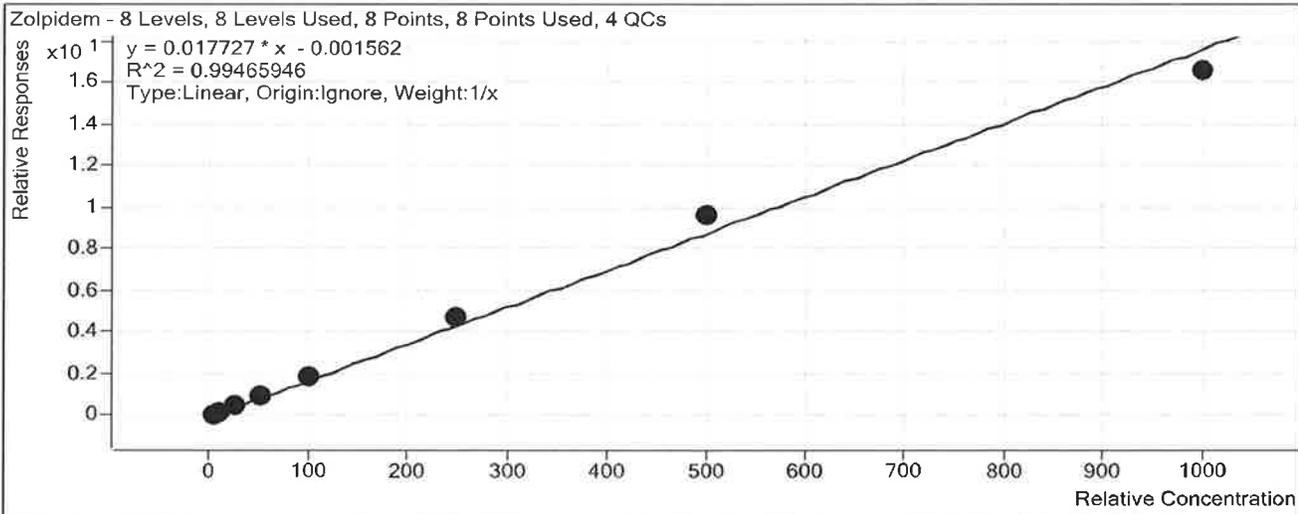
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	☑	5	4.4	88.5
a cal 2-10ng.d	2	☑	10	9.4	93.9
a QC 10 (QC1).d	2	☑	10	9.6	95.7
a cal 3-25ng.d	3	☑	25	25.2	100.7
a cal 4-50ng.d	4	☑	50	50.9	101.8
a cal 5-100ng.d	5	☑	100	105.7	105.7
a QC 100 (QC2).d	5	☑	100	98.9	98.9
a cal 6-250ng.d	6	☑	250	269.3	107.7
a QC 250 (QC 3).d	6	☑	250	267.4	106.9
a cal 7-500ng.d	7	☑	500	540.5	108.1
a cal 8-1000ng.d	8	☑	1000	934.5	93.5
a QC 1000 (QC 4).d	8	☑	1000	906.6	90.7

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Batch Data Path	C:\MassHunter\Data\2018\MD Quant\060418 MDQ P1 P2 SP\QuantResults\060418 MDQP1a SP.batch.bin
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Analyst Name   ISP TOX

Target Compound   *Venlafaxine*

Internal Standard   *Venlafaxine-D6*

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

$y = 0.025978 * x - 0.014381$
$R^2 = 0.99947896$
Type:Linear, Origin:Ignore, Weight:1/x
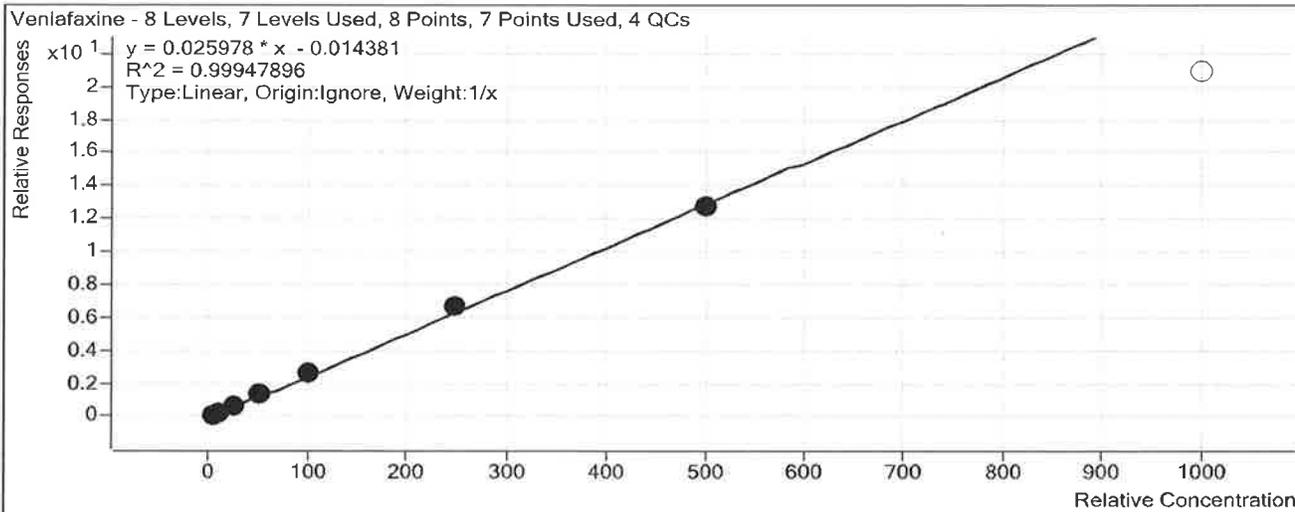
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	☑	5	5.0	100.8
a cal 2-10ng.d	2	☑	10	9.9	99.3
a QC 10 (QC1).d	2	☑	10	9.7	96.7
a cal 3-25ng.d	3	☑	25	24.1	96.3
a cal 4-50ng.d	4	☑	50	50.6	101.1
a cal 5-100ng.d	5	☑	100	101.0	101.0
a QC 100 (QC2).d	5	☑	100	100.3	100.3
a cal 6-250ng.d	6	☑	250	257.6	103.1
a QC 250 (QC 3).d	6	☑	250	251.2	100.5
a cal 7-500ng.d	7	☑	500	491.7	98.3
a cal 8-1000ng.d	8	☐	1000	805.4	80.5
a QC 1000 (QC 4).d	8	☑	1000	793.8	79.4

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Analyst Name	ISP TOX

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

Trazodone - 8 Levels, 8 Levels Used. 8 Points, 8 Points Used, 4 QCs

$y = 0.028954 * x - 0.013168$
$R^2 = 0.99539410$
Type:Linear, Origin:Ignore, Weight:$1/x^2$
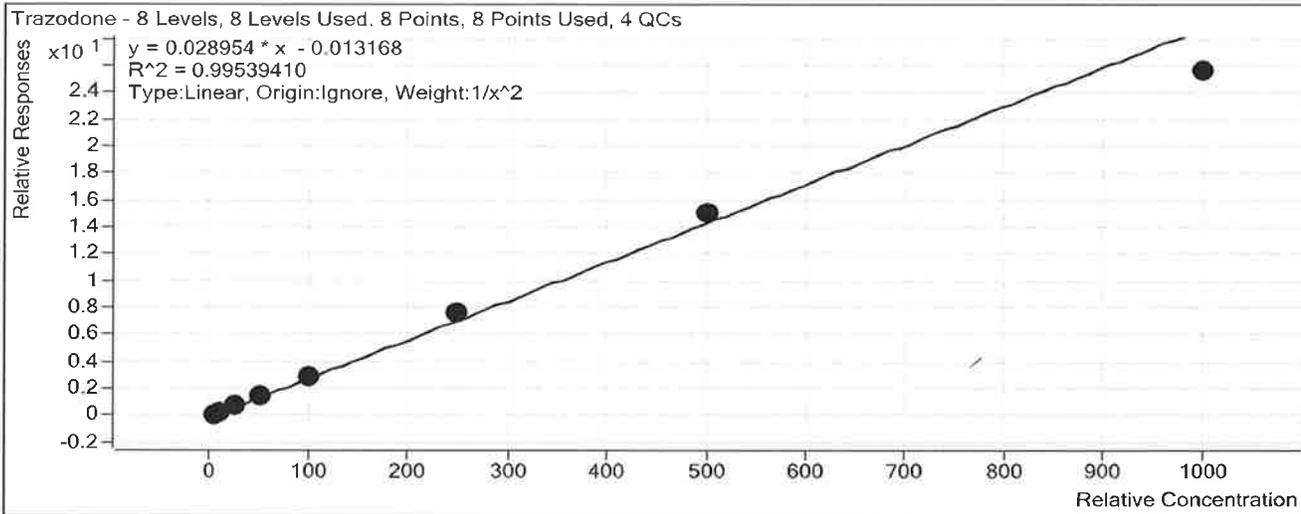
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	☑	5	4.9	98.3
a cal 2-10ng.d	2	☑	10	10.4	103.8
a QC 10 (QC1).d	2	☑	10	9.4	93.6
a cal 3-25ng.d	3	☑	25	24.2	96.8
a cal 4-50ng.d	4	☑	50	51.9	103.9
a cal 5-100ng.d	5	☑	100	98.1	98.1
a QC 100 (QC2).d	5	☑	100	94.4	94.4
a cal 6-250ng.d	6	☑	250	266.8	106.7
a QC 250 (QC 3).d	6	☑	250	247.2	98.9
a cal 7-500ng.d	7	☑	500	520.1	104.0
a cal 8-1000ng.d	8	☑	1000	883.3	88.3
a QC 1000 (QC 4).d	8	☑	1000	875.3	87.5

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

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

$y = 0.023886 * x - 0.033794$
$R^2 = 0.99955734$
Type:Linear, Origin:Ignore, Weight:1/x
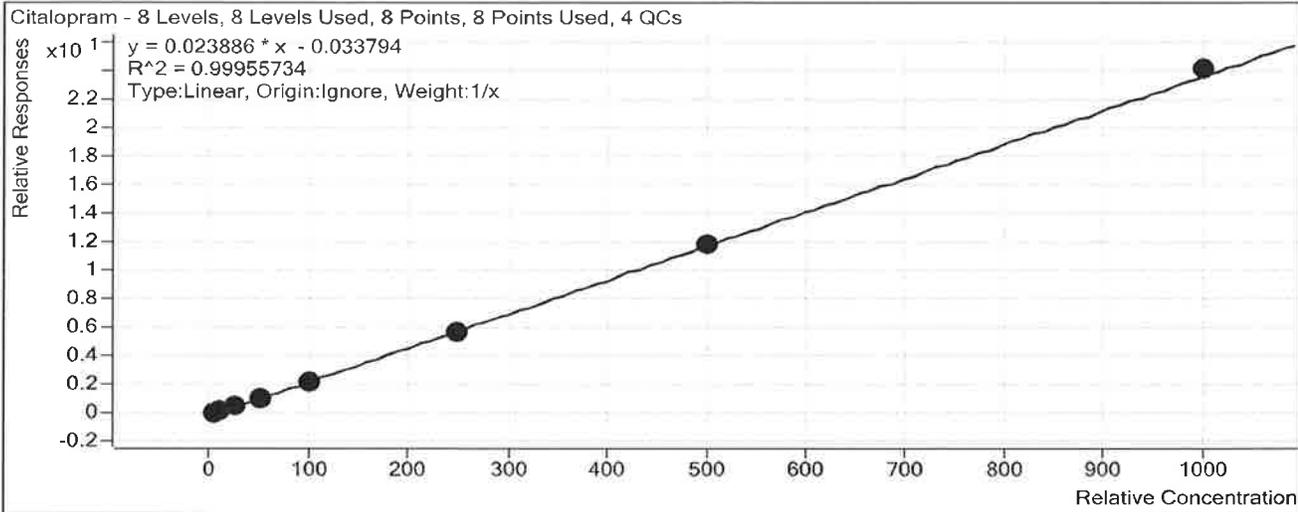
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	☑	5	5.6	111.4
a cal 2-10ng.d	2	☑	10	10.0	99.6
a QC 10 (QC1).d	2	☑	10	10.0	99.9
a cal 3-25ng.d	3	☑	25	24.9	99.5
a cal 4-50ng.d	4	☑	50	48.0	95.9
a cal 5-100ng.d	5	☑	100	94.8	94.8
a QC 100 (QC2).d	5	☑	100	92.7	92.7
a cal 6-250ng.d	6	☑	250	243.1	97.2
a QC 250 (QC 3).d	6	☑	250	239.9	96.0
a cal 7-500ng.d	7	☑	500	500.4	100.1
a cal 8-1000ng.d	8	☑	1000	1013.3	101.3
a QC 1000 (QC 4).d	8	☑	1000	980.8	98.1

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

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

$y = 0.026988 * x - 0.050761$
$R^2 = 0.99785996$
Type:Linear, Origin:Ignore, Weight:1/x
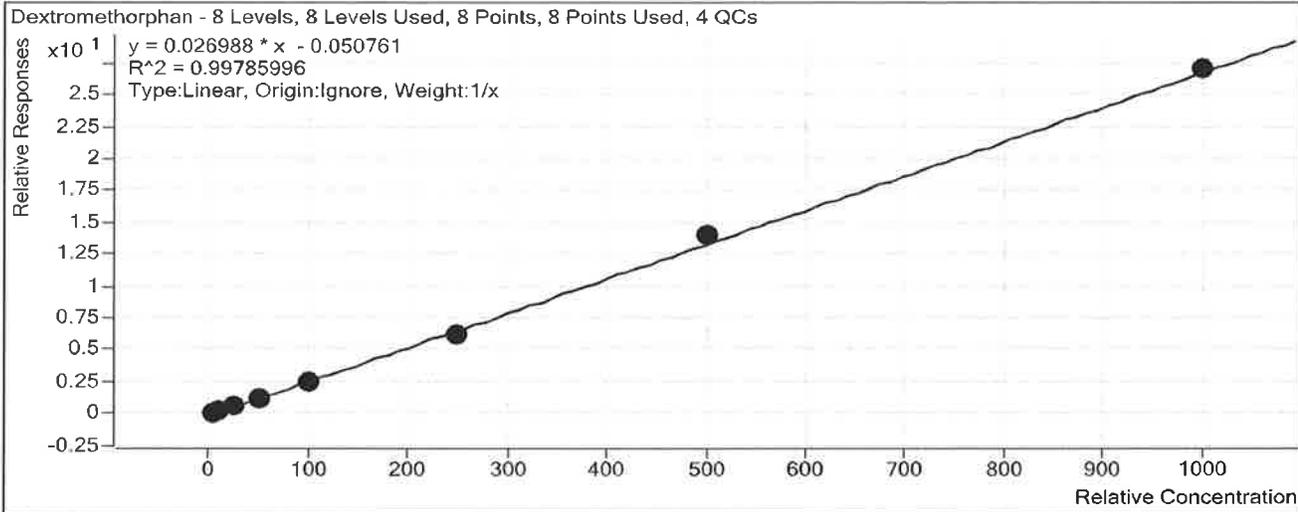
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	☑	5	6.1	121.4
a cal 2-10ng.d	2	☑	10	10.2	102.1
a QC 10 (QC1).d	2	☑	10	10.3	103.3
a cal 3-25ng.d	3	☑	25	24.0	96.1
a cal 4-50ng.d	4	☑	50	45.0	90.0
a cal 5-100ng.d	5	☑	100	90.9	90.9
a QC 100 (QC2).d	5	☑	100	87.7	87.7
a cal 6-250ng.d	6	☑	250	234.9	94.0
a QC 250 (QC 3).d	6	☑	250	235.4	94.2
a cal 7-500ng.d	7	☑	500	525.3	105.1
a cal 8-1000ng.d	8	☑	1000	1003.5	100.4
a QC 1000 (QC 4).d	8	☑	1000	1027.5	102.7

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

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

$y = 0.018096 * x - 0.008079$
$R^2 = 0.99905329$
Type:Linear, Origin:Ignore, Weight:1/x^2
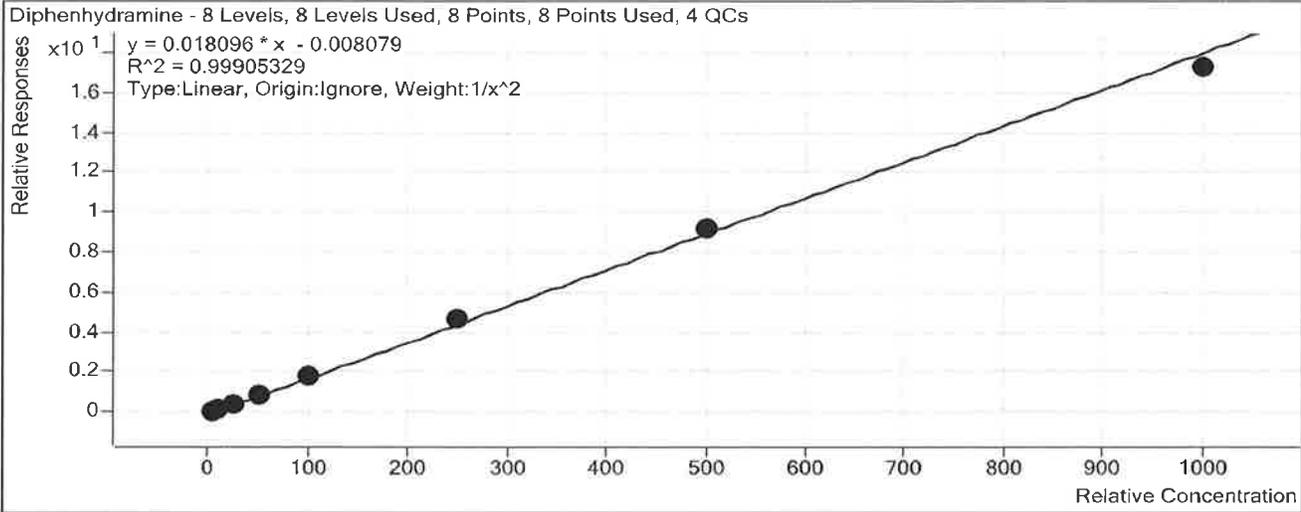
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	☑	5	5.0	100.7
a cal 2-10ng.d	2	☑	10	9.9	99.0
a QC 10 (QC1).d	2	☑	10	9.9	98.6
a cal 3-25ng.d	3	☑	25	24.6	98.5
a cal 4-50ng.d	4	☑	50	49.7	99.4
a cal 5-100ng.d	5	☑	100	101.6	101.6
a QC 100 (QC2).d	5	☑	100	100.3	100.3
a cal 6-250ng.d	6	☑	250	261.1	104.5
a QC 250 (QC 3).d	6	☑	250	254.8	101.9
a cal 7-500ng.d	7	☑	500	505.6	101.1
a cal 8-1000ng.d	8	☑	1000	952.8	95.3
a QC 1000 (QC 4).d	8	☑	1000	956.1	95.6

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

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

$y = 0.027003 * x - 0.016456$
$R^2 = 0.99932770$
Type:Linear, Origin:Ignore, Weight:1/x
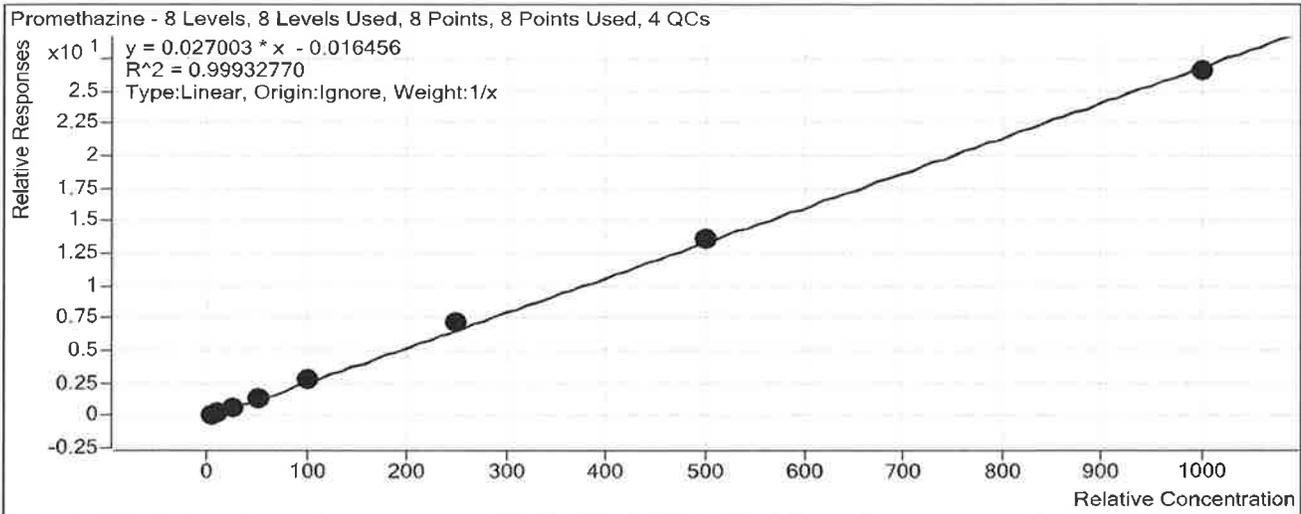
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	☑	5	5.1	101.9
a cal 2-10ng.d	2	☑	10	9.4	93.5
a QC 10 (QC1).d	2	☑	10	10.1	100.7
a cal 3-25ng.d	3	☑	25	24.6	98.4
a cal 4-50ng.d	4	☑	50	49.5	99.1
a cal 5-100ng.d	5	☑	100	102.9	102.9
a QC 100 (QC2).d	5	☑	100	96.8	96.8
a cal 6-250ng.d	6	☑	250	263.5	105.4
a QC 250 (QC 3).d	6	☑	250	252.8	101.1
a cal 7-500ng.d	7	☑	500	502.5	100.5
a cal 8-1000ng.d	8	☑	1000	982.5	98.2
a QC 1000 (QC 4).d	8	☑	1000	951.0	95.1

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Target Compound   Clonazepam
Internal Standard   *Clonazepam-D4*

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

$y = 0.121869 * x - 0.101814$
$R^2 = 0.99571029$
Type:Linear, Origin:Ignore, Weight:$1/x^2$
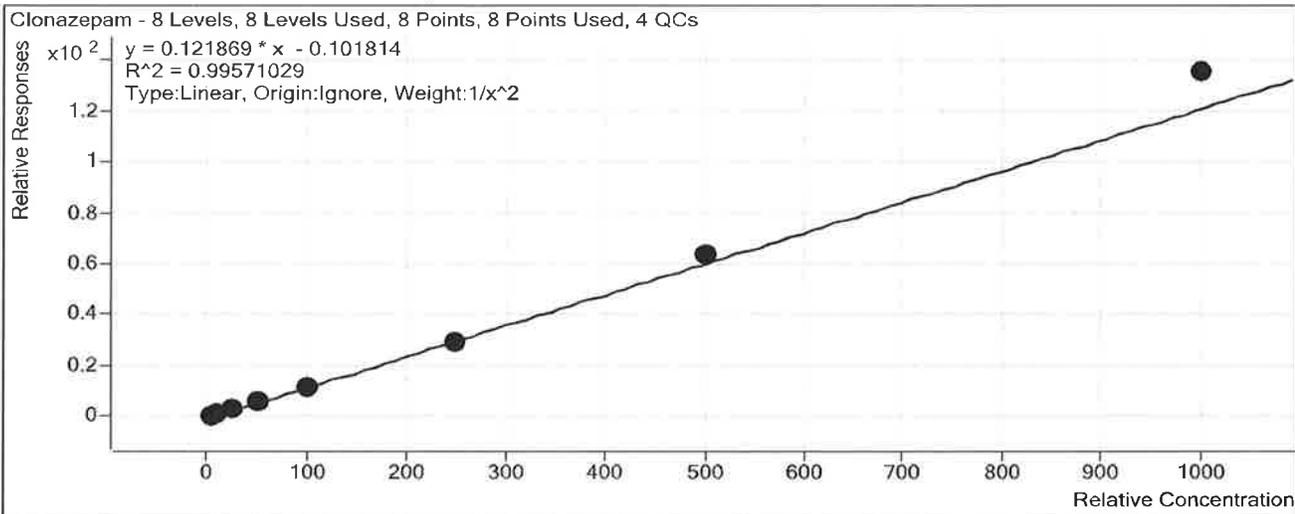
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	☑	5	5.1	101.5
a cal 2-10ng.d	2	☑	10	9.9	98.9
a QC 10 (QC1).d	2	☑	10	9.6	96.4
a cal 3-25ng.d	3	☑	25	24.6	98.4
a cal 4-50ng.d	4	☑	50	48.5	97.0
a cal 5-100ng.d	5	☑	100	93.1	93.1
a QC 100 (QC2).d	5	☑	100	92.4	92.4
a cal 6-250ng.d	6	☑	250	238.5	95.4
a QC 250 (QC 3).d	6	☑	250	230.8	92.3
a cal 7-500ng.d	7	☑	500	522.9	104.6
a cal 8-1000ng.d	8	☑	1000	1110.7	111.1
a QC 1000 (QC 4).d	8	☑	1000	1044.3	104.4

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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

$y = 0.025840 * x - 0.085209$
$R^2 = 0.99616993$
Type:Linear, Origin:Ignore, Weight:1/x
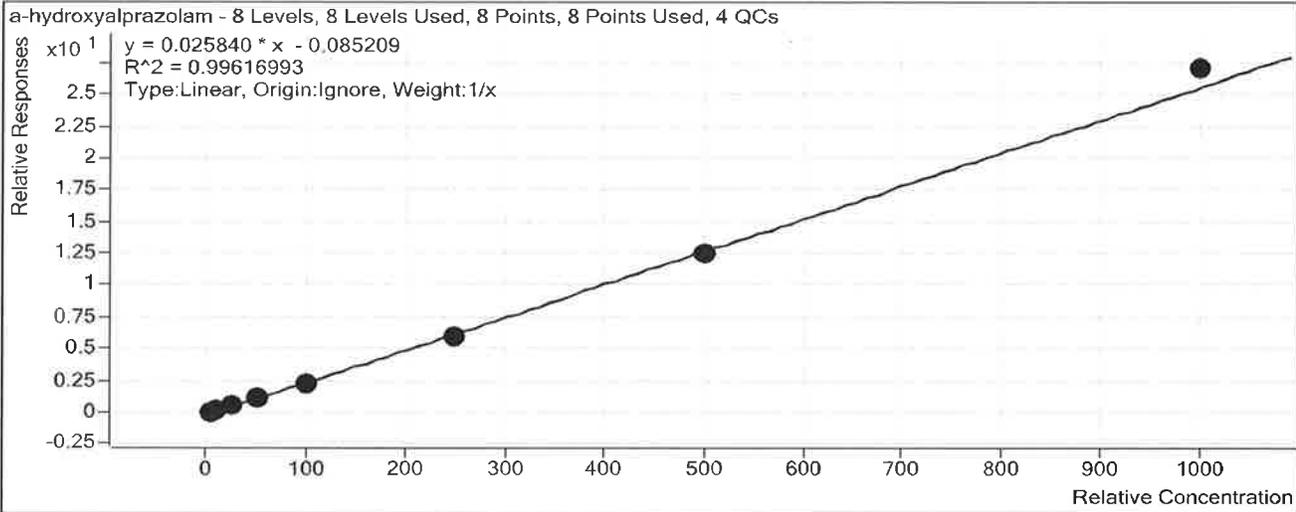
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	☑	5	6.5	129.8
a cal 2-10ng.d	2	☑	10	10.9	109.0
a QC 10 (QC1).d	2	☑	10	10.6	105.7
a cal 3-25ng.d	3	☑	25	22.3	89.1
a cal 4-50ng.d	4	☑	50	44.1	88.3
a cal 5-100ng.d	5	☑	100	88.9	88.9
a QC 100 (QC2).d	5	☑	100	85.4	85.4
a cal 6-250ng.d	6	☑	250	231.6	92.7
a QC 250 (QC 3).d	6	☑	250	221.5	88.6
a cal 7-500ng.d	7	☑	500	486.9	97.4
a cal 8-1000ng.d	8	☑	1000	1048.8	104.9
a QC 1000 (QC 4).d	8	☑	1000	1008.5	100.9

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Target Compound   Carisoprodol
Internal Standard   *Carisoprodol-D7*

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

$y = 0.027921 * x - 0.024002$
$R^2 = 0.99471826$
Type:Linear, Origin:Ignore, Weight:$1/x^2$
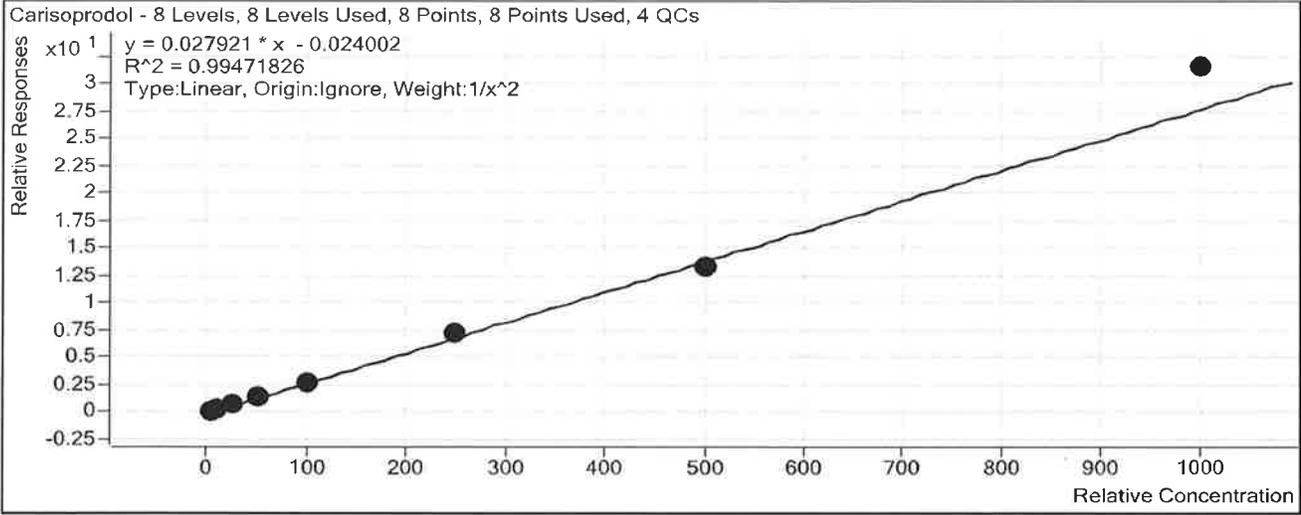
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	☑	5	5.2	103.4
a cal 2-10ng.d	2	☑	10	9.6	96.2
a QC 10 (QC1).d	2	☑	10	9.8	97.9
a cal 3-25ng.d	3	☑	25	23.4	93.5
a cal 4-50ng.d	4	☑	50	48.8	97.7
a cal 5-100ng.d	5	☑	100	98.0	98.0
a QC 100 (QC2).d	5	☑	100	96.4	96.4
a cal 6-250ng.d	6	☑	250	258.4	103.4
a QC 250 (QC 3).d	6	☑	250	243.2	97.3
a cal 7-500ng.d	7	☑	500	474.5	94.9
a cal 8-1000ng.d	8	☑	1000	1128.5	112.9
a QC 1000 (QC 4).d	8	☑	1000	1098.8	109.9

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Last Calib Update 6/6/2018 10:21 AM   **Analyst Name**   ISP TOX

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

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

$y = 0.004042 * x + 0.057295$
$R^2 = 0.98590217$
Type:Linear, Origin:Ignore, Weight:1/x^2

Relative Responses vs Relative Concentration
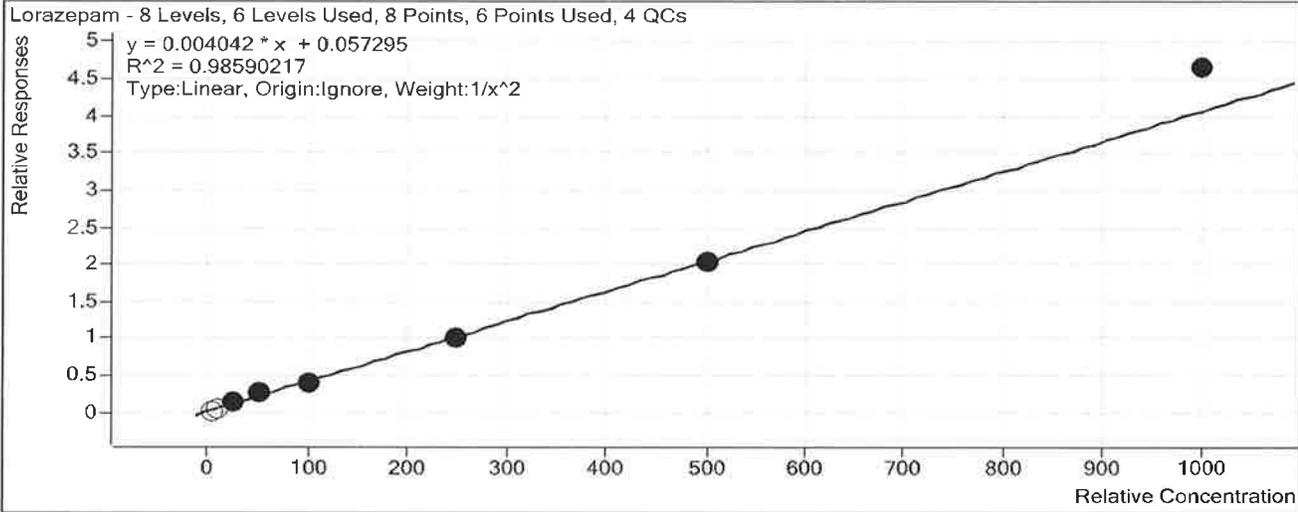
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	☐	5	0.0	0.0
a cal 2-10ng.d	2	☐	10	1.5	15.5
a QC 10 (QC1).d	2	☑	10	2.4	23.8
a cal 3-25ng.d	3	☑	25	24.8	99.3
a cal 4-50ng.d	4	☑	50	54.2	108.4
a cal 5-100ng.d	5	☑	100	87.6	87.6
a QC 100 (QC2).d	5	☑	100	99.8	99.8
a cal 6-250ng.d	6	☑	250	233.5	93.4
a QC 250 (QC 3).d	6	☑	250	233.6	93.4
a cal 7-500ng.d	7	☑	500	488.5	97.7
a cal 8-1000ng.d	8	☑	1000	1135.7	113.6
a QC 1000 (QC 4).d	8	☐	1000	1093.6	109.4

Batch Data Path C:\MassHunter\Data\2018\MD Quant\060418 MDQ P1 P2 SP\QuantResults\060418 MDQP1a SP.batch.bin

Last Calib Update 6/6/2018 10:21 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

$y = 0.035211 * x - 0.032154$
$R^2 = 0.99429083$
Type:Linear, Origin:Ignore, Weight:$1/x^2$
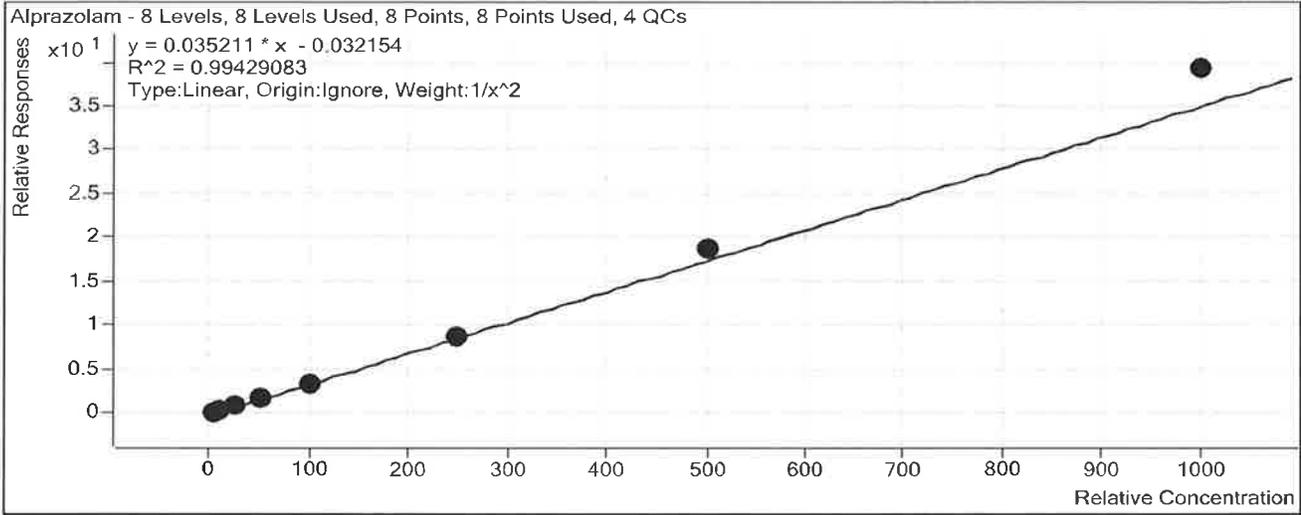
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	☑	5	5.2	103.4
a cal 2-10ng.d	2	☑	10	9.7	97.3
a QC 10 (QC1).d	2	☑	10	9.3	93.5
a cal 3-25ng.d	3	☑	25	23.5	93.9
a cal 4-50ng.d	4	☑	50	46.6	93.3
a cal 5-100ng.d	5	☑	100	94.8	94.8
a QC 100 (QC2).d	5	☑	100	96.7	96.7
a cal 6-250ng.d	6	☑	250	248.4	99.4
a QC 250 (QC 3).d	6	☑	250	244.7	97.9
a cal 7-500ng.d	7	☑	500	532.7	106.5
a cal 8-1000ng.d	8	☑	1000	1114.5	111.5
a QC 1000 (QC 4).d	8	☑	1000	1077.6	107.8

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

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\060418 MDQ P1 P2 SP\QuantResults\060418 MDQP1a SP.batch.bin		
Analysis Time	6/6/2018 10:21 AM	**Analyst Name**	ISPUser
Report Time	6/6/2018 10:24 AM	**Reporter Name**	ISPUser
Last Calib Update	6/6/2018 10:21 AM	**Batch State**	Processed

Analysis Info

Acq Time	2018-06-04 21:44	**Data File**	a cal 1-5ng.d
Sample Type	Calibration	**Sample Name**	a cal 1-5ng.d
Dilution	1	**Acq Method**	MD Quant Panel 1a 1-19-2018.m
Position	P1-H12	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28
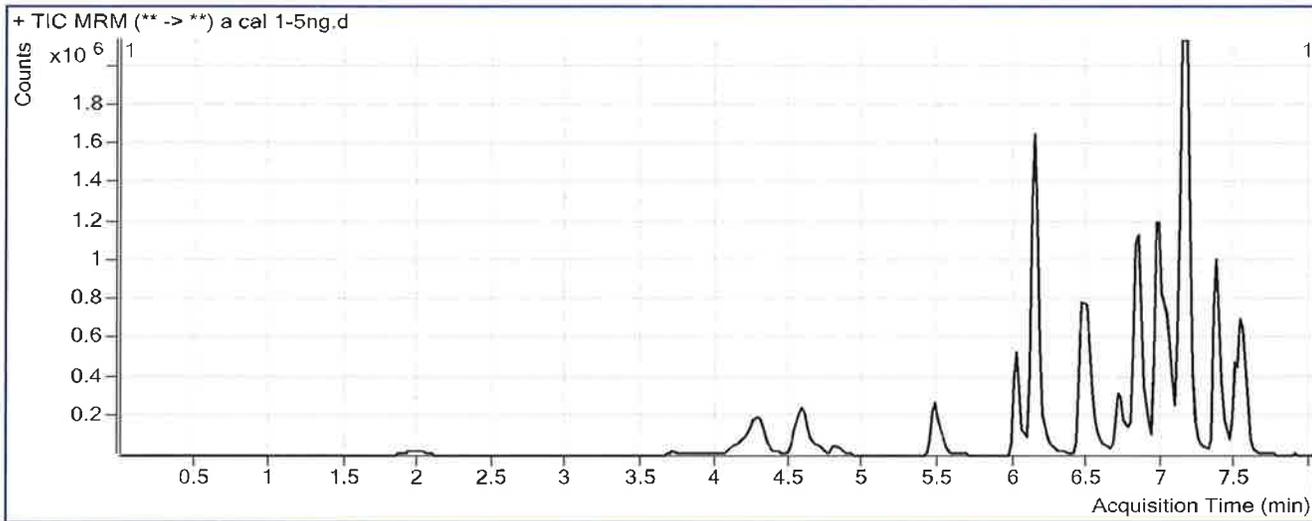
Sample Chromatogram

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

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.368	6445	27434	0.2349	4.9657
Hydromorphone	Hydromorphone-D6	2.009	27751	227592	0.1219	5.1325
Codeine	Codeine-D6	3.992	6317	63016	0.1002	5.9658
Amphetamine	Amphetamine-D11	4.304	223210	555316	0.4020	4.7373
Oxycodone	Oxycodone-D6	4.310	123198	960309	0.1283	5.2694
Hydrocodone	Hydrocodone-D6	4.594	38083	521105	0.0731	4.9087
Norhydrocodone	Norhydrocodone-D3	4.659	2528	130493	0.0194	6.9312
Methamphetamine	Methamphetamine-D11	4.682	123380	677776	0.1820	5.4419
6-MAM	6-MAM-D6	4.829	1971	160284	0.0123	0.5834
Phentermine	Phentermine-D5	5.526	58930	1163530	0.0506	4.8836
Dextrorphan	Dextrorphan-D3	6.022	79422	1646917	0.0482	5.1134
7-aminoclonazepam	7-Aminoclonazepam-D4	6.134	90917	887832	0.1024	4.7703
Tramadol	Tramadol-13C-D3	6.159	544194	5190196	0.1049	4.9887
Doxylamine	Doxylamine-D5	6.483	293336	3495440	0.0839	4.9745
Bupropion	Bupropion-D9	6.730	130099	1078933	0.1206	5.0696
Meprobamate	Meprobamate-D7	6.813	42869	352969	0.1215	4.9563
Zolpidem	Zolpidem-D6	6.862	331640	4314029	0.0769	4.4247
Venlafaxine	Venlafaxine-D6	6.986	443302	3802844	0.1166	5.0409
Trazodone	Trazodone-D6	7.076	237479	1838596	0.1292	4.9157
Citalopram	Citalopram-D6	7.118	224355	2259611	0.0993	5.5716

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Dextromethorphan	Dextromethorphan-D3	7.150	88025	778302	0.1131	6.0716
Diphenhydramine	Diphenhydramine-D3	7.173	441447	5316355	0.0830	5.0351
Promethazine	Promethazine-D3	7.368	334756	2762411	0.1212	5.0971
Clonazepam	Clonazepam-D4	7.405	116312	225157	0.5166	5.0743
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.480	18344	222491	0.0824	6.4884
Carisoprodol	Carisoprodol-D7	7.514	104924	871533	0.1204	5.1715
Lorazepam	Alprazolam-D5	7.523	51933	1476643	0.0352	0.0000
Alprazolam	Alprazolam-D5	7.547	221357	1476643	0.1499	5.1706

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

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\060418 MDQ P1 P2 SP\QuantResults\060418 MDQP1a SP.batch.bin		
Analysis Time	6/6/2018 10:21 AM	**Analyst Name**	ISPUser
Report Time	6/6/2018 10:24 AM	**Reporter Name**	ISPUser
Last Calib Update	6/6/2018 10:21 AM	**Batch State**	Processed

Analysis Info

Acq Time	2018-06-04 22:16	**Data File**	a cal 2-10ng.d
Sample Type	Calibration	**Sample Name**	a cal 2-10ng.d
Dilution	1	**Acq Method**	MD Quant Panel 1a 1-19-2018.m
Position	P1-G12	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28
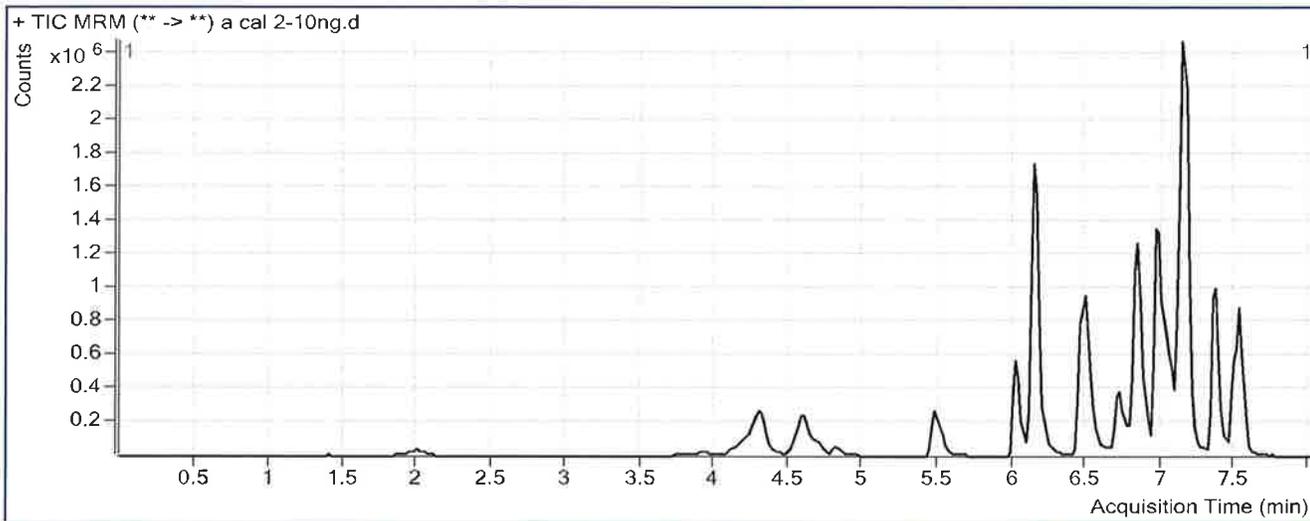
Sample Chromatogram

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

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.368	12923	26692	0.4841	10.1294
Hydromorphone	Hydromorphone-D6	2.029	61809	224420	0.2754	10.0010
Codeine	Codeine-D6	3.992	26348	122162	0.2157	10.1202
Amphetamine	Amphetamine-D11	4.324	408946	499117	0.8193	10.3935
Oxycodone	Oxycodone-D6	4.330	235850	949414	0.2484	9.1979
Hydrocodone	Hydrocodone-D6	4.615	79958	509797	0.1568	9.7137
Norhydrocodone	Norhydrocodone-D3	4.659	4838	132157	0.0366	10.5649
Methamphetamine	Methamphetamine-D11	4.702	248838	689818	0.3607	9.8400
6-MAM	6-MAM-D6	4.829	3802	164136	0.0232	1.0243
Phentermine	Phentermine-D5	5.526	110542	1032341	0.1071	10.1327
Dextrorphan	Dextrorphan-D3	6.022	169509	1622556	0.1045	9.7273
7-aminoclonazepam	7-Aminoclonazepam-D4	6.134	189781	857656	0.2213	9.8714
Tramadol	Tramadol-13C-D3	6.159	1025029	4785699	0.2142	9.9331
Doxylamine	Doxylamine-D5	6.502	604952	3243892	0.1865	10.2553
Bupropion	Bupropion-D9	6.730	293424	1117130	0.2627	9.9603
Meprobamate	Meprobamate-D7	6.833	86767	340520	0.2548	10.0618
Zolpidem	Zolpidem-D6	6.862	694392	4209387	0.1650	9.3939
Venlafaxine	Venlafaxine-D6	6.986	900511	3696778	0.2436	9.9305
Trazodone	Trazodone-D6	7.055	491580	1709903	0.2875	10.3838
Citalopram	Citalopram-D6	7.118	436441	2137757	0.2042	9.9621

ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report q cal2

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Dextromethorphan	Dextromethorphan-D3	7.150	161169	717063	0.2248	10.2092
Diphenhydramine	Diphenhydramine-D3	7.173	850265	4969280	0.1711	9.9019
Promethazine	Promethazine-D3	7.368	599607	2540195	0.2360	9.3508
Clonazepam	Clonazepam-D4	7.385	182221	165087	1.1038	9.8927
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.480	36419	185370	0.1965	10.9009
Carisoprodol	Carisoprodol-D7	7.494	216836	886059	0.2447	9.6244
Lorazepam	Alprazolam-D5	7.523	94365	1485042	0.0635	1.5458
Alprazolam	Alprazolam-D5	7.527	460797	1485042	0.3103	9.7256

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

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\060418 MDQ P1 P2 SP\QuantResults\060418 MDQP1a SP.batch.bin		
Analysis Time	6/6/2018 10:21 AM	**Analyst Name**	ISPUser
Report Time	6/6/2018 10:24 AM	**Reporter Name**	ISPUser
Last Calib Update	6/6/2018 10:21 AM	**Batch State**	Processed

Analysis Info

Acq Time	2018-06-04 22:48	**Data File**	a cal 3-25ng.d
Sample Type	Calibration	**Sample Name**	a cal 3-25ng.d
Dilution	1	**Acq Method**	MD Quant Panel 1a 1-19-2018.m
Position	P1-F12	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28
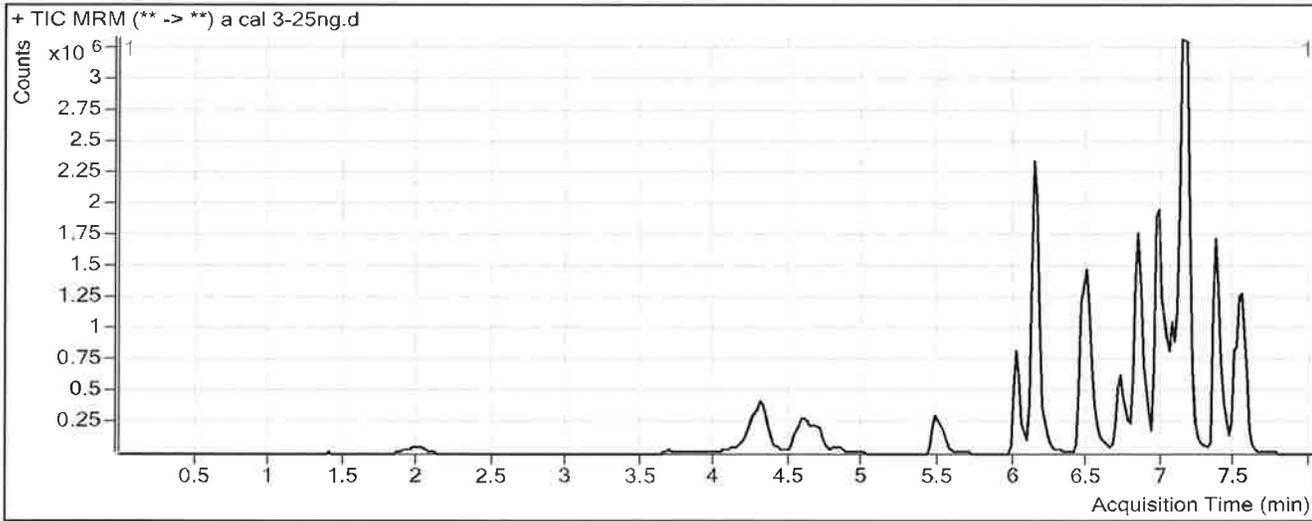
Sample Chromatogram

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.388	37156	30428	1.2211	25.3987
Hydromorphone	Hydromorphone-D6	2.029	161029	240924	0.6684	22.4658
Codeine	Codeine-D6	3.972	35396	79155	0.4472	18.4510
Amphetamine	Amphetamine-D11	4.304	1112534	528472	2.1052	27.8188
Oxycodone	Oxycodone-D6	4.330	660588	949221	0.6959	23.8326
Hydrocodone	Hydrocodone-D6	4.615	217864	524448	0.4154	24.5465
Norhydrocodone	Norhydrocodone-D3	4.659	12485	130874	0.0954	22.9601
Methamphetamine	Methamphetamine-D11	4.682	703694	849819	0.8281	21.3418
6-MAM	6-MAM-D6	4.829	9806	168570	0.0582	2.4448
Phentermine	Phentermine-D5	5.526	317171	1213285	0.2614	24.4887
Dextrorphan	Dextrorphan-D3	6.022	473548	1699644	0.2786	24.0129
7-aminoclonazepam	7-Aminoclonazepam-D4	6.134	512080	897950	0.5703	24.8476
Tramadol	Tramadol-13C-D3	6.159	2743967	4943624	0.5551	25.3480
Doxylamine	Doxylamine-D5	6.483	1681754	3680324	0.4570	24.1802
Bupropion	Bupropion-D9	6.730	731193	1120486	0.6526	23.3821
Meprobamate	Meprobamate-D7	6.833	224644	345706	0.6498	25.1846
Zolpidem	Zolpidem-D6	6.862	1953275	4391059	0.4448	25.1815
Venlafaxine	Venlafaxine-D6	6.986	2438664	3989899	0.6112	24.0817
Trazodone	Trazodone-D6	7.076	1331928	1937402	0.6875	24.1983
Citalopram	Citalopram-D6	7.118	1279513	2282611	0.5605	24.8827

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Dextromethorphan	Dextromethorphan-D3	7.150	488250	816656	0.5979	24.0339
Diphenhydramine	Diphenhydramine-D3	7.173	2351768	5376051	0.4375	24.6205
Promethazine	Promethazine-D3	7.368	1987989	3069004	0.6478	24.5977
Clonazepam	Clonazepam-D4	7.405	627505	216572	2.8974	24.6106
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.480	108641	221436	0.4906	22.2847
Carisoprodol	Carisoprodol-D7	7.514	583711	928530	0.6286	23.3747
Lorazepam	Alprazolam-D5	7.523	234763	1488860	0.1577	24.8326
Alprazolam	Alprazolam-D5	7.547	1182882	1488860	0.7945	23.4770

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\060418 MDQ P1 P2 SP\QuantResults\060418 MDQP1a SP.batch.bin		
Analysis Time	6/6/2018 10:21 AM	**Analyst Name**	ISPUser
Report Time	6/6/2018 10:24 AM	**Reporter Name**	ISPUser
Last Calib Update	6/6/2018 10:21 AM	**Batch State**	Processed

Analysis Info

Acq Time	2018-06-04 23:19	**Data File**	a cal 4-50ng.d
Sample Type	Calibration	**Sample Name**	a cal 4-50ng.d
Dilution	1	**Acq Method**	MD Quant Panel 1a 1-19-2018.m
Position	P1-E12	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28
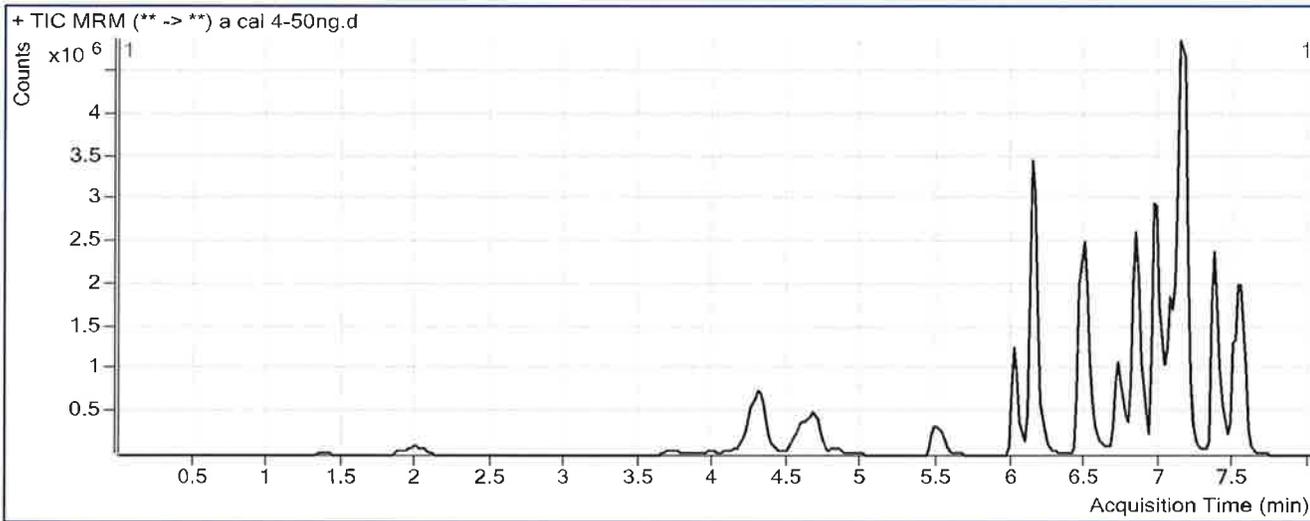
Sample Chromatogram

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

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.388	81015	34046	2.3796	49.4007
Hydromorphone	Hydromorphone-D6	2.009	358786	247336	1.4506	47.2777
Codeine	Codeine-D6	3.972	72884	48180	1.5127	56.7974
Amphetamine	Amphetamine-D11	4.304	2326962	552579	4.2111	56.3573
Oxycodone	Oxycodone-D6	4.310	1415315	1006121	1.4067	47.0770
Hydrocodone	Hydrocodone-D6	4.615	468677	546645	0.8574	49.8988
Norhydrocodone	Norhydrocodone-D3	4.659	27124	130970	0.2071	46.5119
Methamphetamine	Methamphetamine-D11	4.682	1645567	814675	2.0199	50.6761
6-MAM	6-MAM-D6	4.829	20122	172296	0.1168	4.8233
Phentermine	Phentermine-D5	5.526	703843	1327929	0.5300	49.4746
Dextrorphan	Dextrorphan-D3	6.022	1043267	1757993	0.5934	49.8389
7-aminoclonazepam	7-Aminoclonazepam-D4	6.134	1128187	952168	1.1849	51.2207
Tramadol	Tramadol-13C-D3	6.159	5899960	5260667	1.1215	50.9652
Doxylamine	Doxylamine-D5	6.483	3387469	3568360	0.9493	49.5285
Bupropion	Bupropion-D9	6.730	1705894	1192050	1.4311	50.1801
Meprobamate	Meprobamate-D7	6.833	497619	371392	1.3399	51.6037
Zolpidem	Zolpidem-D6	6.842	4141676	4596958	0.9010	50.9124
Venlafaxine	Venlafaxine-D6	6.986	5263185	4052035	1.2989	50.5538
Trazodone	Trazodone-D6	7.076	2779707	1865045	1.4904	51.9296
Citalopram	Citalopram-D6	7.118	2561539	2303743	1.1119	47.9658

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Dextromethorphan	Dextromethorphan-D3	7.150	958115	822875	1.1644	45.0243
Diphenhydramine	Diphenhydramine-D3	7.173	4766043	5349010	0.8910	49.6847
Promethazine	Promethazine-D3	7.368	3812550	2885770	1.3212	49.5350
Clonazepam	Clonazepam-D4	7.405	1190007	204909	5.8075	48.4892
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.480	221066	209521	1.0551	44.1301
Carisoprodol	Carisoprodol-D7	7.514	1207123	901243	1.3394	48.8308
Lorazepam	Alprazolam-D5	7.523	410353	1484457	0.2764	54.2090
Alprazolam	Alprazolam-D5	7.547	2390437	1484457	1.6103	46.6468

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

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\060418 MDQ P1 P2 SP\QuantResults\060418 MDQP1a SP.batch.bin		
Analysis Time	6/6/2018 10:21 AM	**Analyst Name**	ISPUser
Report Time	6/6/2018 10:25 AM	**Reporter Name**	ISPUser
Last Calib Update	6/6/2018 10:21 AM	**Batch State**	Processed

Analysis Info

Acq Time	2018-06-04 23:51	**Data File**	a cal 5-100ng.d
Sample Type	Calibration	**Sample Name**	a cal 5-100ng.d
Dilution	1	**Acq Method**	MD Quant Panel 1a 1-19-2018.m
Position	P1-D12	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28
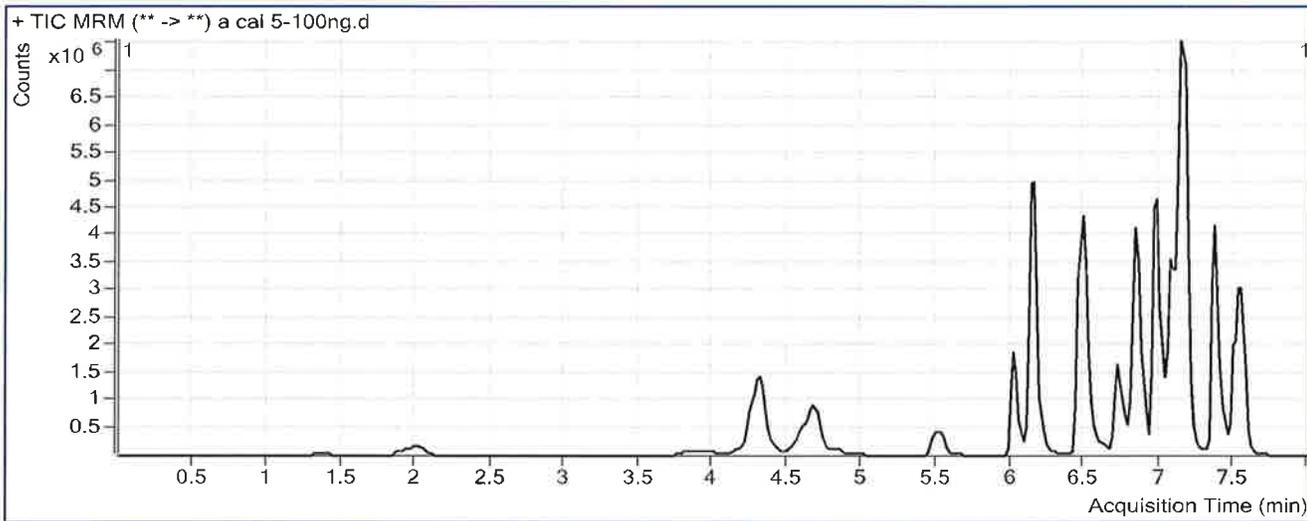
Sample Chromatogram

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

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.368	154322	33159	4.6540	96.5234
Hydromorphone	Hydromorphone-D6	2.009	720622	241023	2.9898	96.1027
Codeine	Codeine-D6	3.972	162233	66887	2.4255	89.6442
Amphetamine	Amphetamine-D11	4.304	4001093	531395	7.5294	101.3258
Oxycodone	Oxycodone-D6	4.330	2866518	949352	3.0194	99.8179
Hydrocodone	Hydrocodone-D6	4.615	928788	518379	1.7917	103.4968
Norhydrocodone	Norhydrocodone-D3	4.659	50177	123238	0.4072	88.6920
Methamphetamine	Methamphetamine-D11	4.682	3339909	778953	4.2877	106.4914
6-MAM	6-MAM-D6	4.829	37975	168994	0.2247	9.2025
Phentermine	Phentermine-D5	5.526	1298717	1122229	1.1573	107.8184
Dextrorphan	Dextrorphan-D3	6.022	2012154	1711617	1.1756	97.5937
7-aminoclonazepam	7-Aminoclonazepam-D4	6.134	2087766	888288	2.3503	101.2330
Tramadol	Tramadol-13C-D3	6.159	11451044	5090784	2.2494	101.9692
Doxylamine	Doxylamine-D5	6.483	6992463	3684398	1.8979	98.3642
Bupropion	Bupropion-D9	6.730	2863916	1011879	2.8303	98.3459
Meprobamate	Meprobamate-D7	6.833	899824	340660	2.6414	101.4333
Zolpidem	Zolpidem-D6	6.862	8276155	4419144	1.8728	105.7349
Venlafaxine	Venlafaxine-D6	6.986	10214892	3912894	2.6106	101.0457
Trazodone	Trazodone-D6	7.076	5483377	1939181	2.8277	98.1144
Citalopram	Citalopram-D6	7.118	5079431	2276055	2.2317	94.8464

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Dextromethorphan	Dextromethorphan-D3	7.150	1888435	785920	2.4028	90.9145
Diphenhydramine	Diphenhydramine-D3	7.173	9210027	5032785	1.8300	101.5743
Promethazine	Promethazine-D3	7.368	8308879	3006958	2.7632	102.9380
Clonazepam	Clonazepam-D4	7.405	1882746	167407	11.2465	93.1194
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.480	387775	175278	2.2123	88.9155
Carisoprodol	Carisoprodol-D7	7.514	2099769	773936	2.7131	98.0308
Lorazepam	Alprazolam-D5	7.523	536200	1303519	0.4113	87.5835
Alprazolam	Alprazolam-D5	7.547	4308318	1303519	3.3051	94.7809

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

Batch Data Path   C:\MassHunter\Data\2018\MD Quant\060418 MDQ P1 P2 SP\QuantResults\060418 MDQP1a SP.batch.bin
Analysis Time   6/6/2018 10:21 AM   **Analyst Name**   ISPUser
Report Time   6/6/2018 10:25 AM   **Reporter Name**   ISPUser
Last Calib Update   6/6/2018 10:21 AM   **Batch State**   Processed

Analysis Info

Acq Time   2018-06-05 00:22   **Data File**   a cal 6-250ng.d
Sample Type   Calibration   **Sample Name**   a cal 6-250ng.d
Dilution   1   **Acq Method**   MD Quant Panel 1a 1-19-2018.m
Position   P1-C12   **Sample Info**
Inj Vol   -1   **Comment**   AM 28
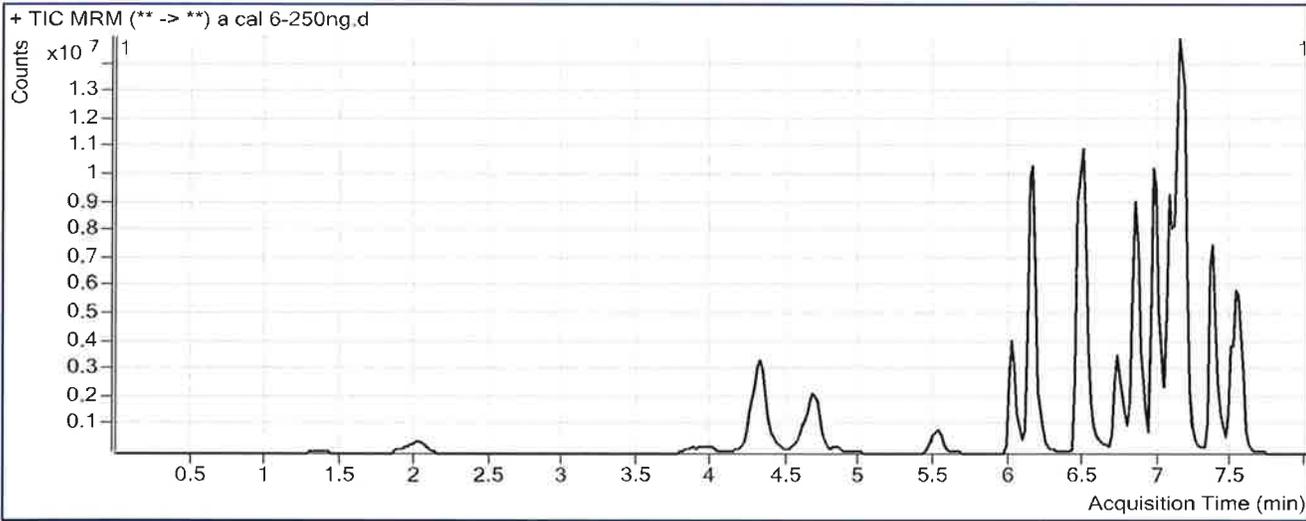
Sample Chromatogram

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

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.368	390541	32762	11.9207	247.0809
Hydromorphone	Hydromorphone-D6	2.009	1837584	233366	7.8743	251.0359
Codeine	Codeine-D6	3.972	767955	112827	6.8065	247.3017
Amphetamine	Amphetamine-D11	4.304	9035944	522789	17.2841	233.5176
Oxycodone	Oxycodone-D6	4.310	7326027	929789	7.8792	258.7459
Hydrocodone	Hydrocodone-D6	4.615	2281818	510956	4.4658	256.8923
Norhydrocodone	Norhydrocodone-D3	4.659	123615	111285	1.1108	237.0485
Methamphetamine	Methamphetamine-D11	4.682	8117291	803995	10.0962	249.4518
6-MAM	6-MAM-D6	4.829	97238	170365	0.5708	23.2440
Phentermine	Phentermine-D5	5.526	3010636	1178824	2.5539	237.7327
Dextrorphan	Dextrorphan-D3	6.022	5129516	1714089	2.9926	246.6446
7-aminoclonazepam	7-Aminoclonazepam-D4	6.134	4750604	794945	5.9760	256.8185
Tramadol	Tramadol-13C-D3	6.159	28897926	5060163	5.7109	258.5070
Doxylamine	Doxylamine-D5	6.483	18625867	3822162	4.8731	251.5441
Bupropion	Bupropion-D9	6.730	6687038	861253	7.7643	268.1893
Meprobamate	Meprobamate-D7	6.813	1949061	288401	6.7582	259.0432
Zolpidem	Zolpidem-D6	6.842	20813165	4360783	4.7728	269.3281
Venlafaxine	Venlafaxine-D6	6.966	26203894	3923668	6.6784	257.6343
Trazodone	Trazodone-D6	7.055	14200555	1841122	7.7130	266.8386
Citalopram	Citalopram-D6	7.118	11921242	2065377	5.7719	243.0631

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Dextromethorphan	Dextromethorphan-D3	7.150	4333791	689119	6.2889	234.9067
Diphenhydramine	Diphenhydramine-D3	7.173	22327327	4733119	4.7173	261.1262
Promethazine	Promethazine-D3	7.368	18075224	2546125	7.0991	263.5066
Clonazepam	Clonazepam-D4	7.405	3333132	115093	28.9604	238.4720
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.480	738667	125190	5.9004	231.6429
Carisoprodol	Carisoprodol-D7	7.494	4289708	596486	7.1916	258.4318
Lorazepam	Alprazolam-D5	7.523	1066117	1064723	1.0013	233.5243
Alprazolam	Alprazolam-D5	7.547	9278087	1064723	8.7141	248.3974

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

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\060418 MDQ P1 P2 SP\QuantResults\060418 MDQP1a SP.batch.bin
Analysis Time	6/6/2018 10:21 AM **Analyst Name** ISPUser
Report Time	6/6/2018 10:25 AM **Reporter Name** ISPUser
Last Calib Update	6/6/2018 10:21 AM **Batch State** Processed

Analysis Info

Acq Time	2018-06-05 00:54	**Data File**	a cal 7-500ng.d
Sample Type	Calibration	**Sample Name**	a cal 7-500ng.d
Dilution	1	**Acq Method**	MD Quant Panel 1a 1-19-2018.m
Position	P1-B12	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28
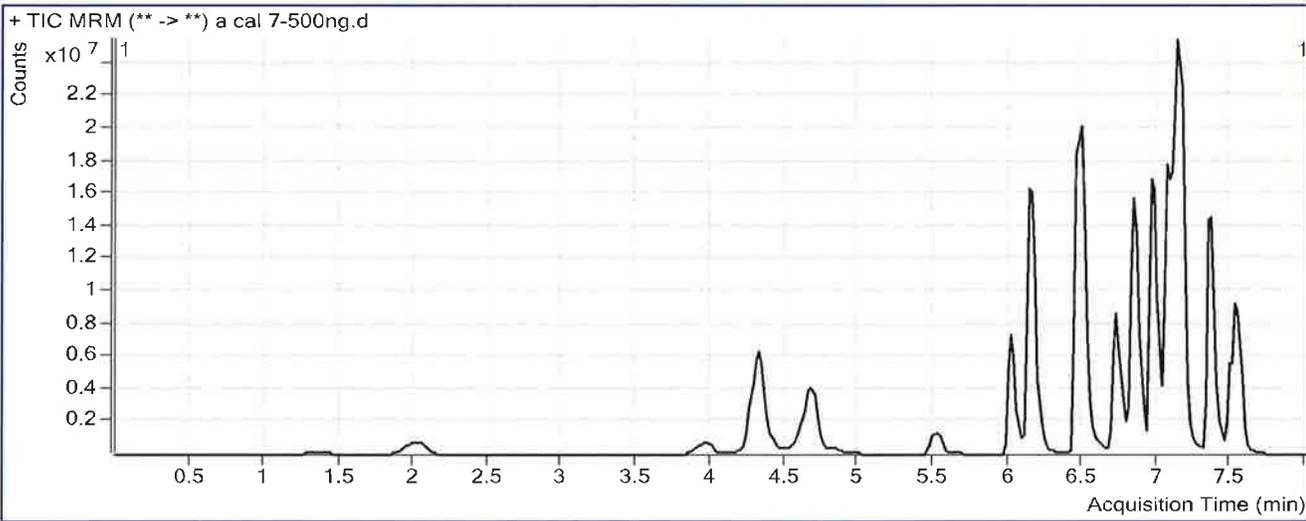
Sample Chromatogram

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

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.388	804753	32182	25.0062	518.1968
Hydromorphone	Hydromorphone-D6	2.029	3730854	227298	16.4139	521.9145
Codeine	Codeine-D6	3.952	1483256	102431	14.4805	523.4659
Amphetamine	Amphetamine-D11	4.304	15454804	506263	30.5272	412.9829
Oxycodone	Oxycodone-D6	4.310	14901517	920588	16.1870	530.4304
Hydrocodone	Hydrocodone-D6	4.615	4531263	506441	8.9473	513.9689
Norhydrocodone	Norhydrocodone-D3	4.659	234445	91280	2.5684	544.3767
Methamphetamine	Methamphetamine-D11	4.682	15670384	771396	20.3143	500.9435
6-MAM	6-MAM-D6	4.829	212520	163243	1.3019	52.9096
Phentermine	Phentermine-D5	5.526	6054493	1112554	5.4420	506.3710
Dextrorphan	Dextrorphan-D3	6.022	10376001	1631264	6.3607	522.9425
7-aminoclonazepam	7-Aminoclonazepam-D4	6.134	8167315	688205	11.8676	509.6366
Tramadol	Tramadol-13C-D3	6.159	54773256	5375958	10.1886	460.9994
Doxylamine	Doxylamine-D5	6.483	37936064	3647139	10.4016	536.1745
Bupropion	Bupropion-D9	6.730	15485034	1057583	14.6419	504.9365
Meprobamate	Meprobamate-D7	6.833	3322318	257069	12.9238	495.0968
Zolpidem	Zolpidem-D6	6.842	39254609	4097798	9.5794	540.4766
Venlafaxine	Venlafaxine-D6	6.966	48814554	3825804	12.7593	491.7131
Trazodone	Trazodone-D6	7.055	28905180	1921196	15.0454	520.0786
Citalopram	Citalopram-D6	7.118	21723564	1822607	11.9190	500.4138

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Dextromethorphan	Dextromethorphan-D3	7.150	9353380	662131	14.1262	525.3061
Diphenhydramine	Diphenhydramine-D3	7.173	41575288	4548014	9.1414	505.6094
Promethazine	Promethazine-D3	7.368	39411090	2907924	13.5530	502.5096
Clonazepam	Clonazepam-D4	7.405	4419213	69456	63.6265	522.9262
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.480	1110157	88843	12.4957	486.8813
Carisoprodol	Carisoprodol-D7	7.494	6297692	476173	13.2256	474.5427
Lorazepam	Alprazolam-D5	7.523	1677003	825334	2.0319	488.4670
Alprazolam	Alprazolam-D5	7.547	15454012	825334	18.7245	532.6993

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

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\060418 MDQ P1 P2 SP\QuantResults\060418 MDQP1a SP.batch.bin
Analysis Time	6/6/2018 10:21 AM **Analyst Name** ISPUser
Report Time	6/6/2018 10:25 AM **Reporter Name** ISPUser
Last Calib Update	6/6/2018 10:21 AM **Batch State** Processed

Analysis Info

Acq Time	2018-06-05 01:25	**Data File**	a cal 8-1000ng.d
Sample Type	Calibration	**Sample Name**	a cal 8-1000ng.d
Dilution	1	**Acq Method**	MD Quant Panel 1a 1-19-2018.m
Position	P1-A12	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28
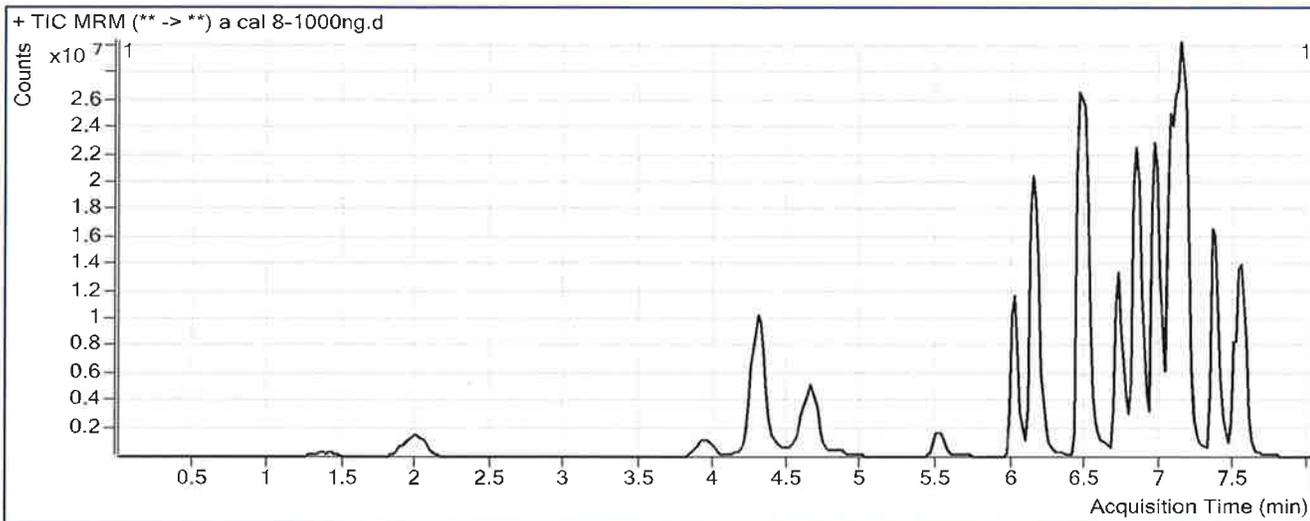
Sample Chromatogram

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

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.368	1852823	27697	66.8969	1386.1218
Hydromorphone	Hydromorphone-D6	2.009	7735919	219296	35.2761	1120.2223
Codeine	Codeine-D6	3.952	2778048	101403	27.3960	988.2539
Amphetamine	Amphetamine-D11	4.284	22554917	400837	56.2696	761.8324
Oxycodone	Oxycodone-D6	4.310	31278942	986995	31.6911	1037.4567
Hydrocodone	Hydrocodone-D6	4.594	8610580	506158	17.0116	976.5743
Norhydrocodone	Norhydrocodone-D3	4.639	439304	79290	5.5405	1171.0045
Methamphetamine	Methamphetamine-D11	4.662	18594518	460022	40.4210	995.8135
6-MAM	6-MAM-D6	4.829	413864	149394	2.7703	112.4938
Phentermine	Phentermine-D5	5.526	8981360	836321	10.7391	999.0982
Dextrorphan	Dextrorphan-D3	6.022	17770823	1404760	12.6504	1038.9041
7-aminoclonazepam	7-Aminoclonazepam-D4	6.113	12229473	534832	22.8660	981.6017
Tramadol	Tramadol-13C-D3	6.139	76934596	4692440	16.3954	741.6900
Doxylamine	Doxylamine-D5	6.463	62214879	3340181	18.6262	959.6139
Bupropion	Bupropion-D9	6.730	24512133	857361	28.5902	985.0784
Meprobamate	Meprobamate-D7	6.813	5166258	214504	24.0846	922.3889
Zolpidem	Zolpidem-D6	6.842	63470401	3831569	16.5651	934.5478
Venlafaxine	Venlafaxine-D6	6.966	68300889	3266602	20.9088	805.4243
Trazodone	Trazodone-D6	7.055	44199703	1729108	25.5621	883.2957
Citalopram	Citalopram-D6	7.097	27935811	1155830	24.1695	1013.2945

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Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Dextromethorphan	Dextromethorphan-D3	7.130	12252168	453238	27.0325	1003.5337
Diphenhydramine	Diphenhydramine-D3	7.173	53958338	3130924	17.2340	952.8129
Promethazine	Promethazine-D3	7.348	45836662	1728810	26.5134	982.4652
Clonazepam	Clonazepam-D4	7.405	6430784	47543	135.2624	1110.7383
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.480	1939820	71807	27.0144	1048.7562
Carisoprodol	Carisoprodol-D7	7.494	9811644	311623	31.4857	1128.5354
Lorazepam	Alprazolam-D5	7.523	3087026	664144	4.6481	1135.6504
Alprazolam	Alprazolam-D5	7.547	26041220	664144	39.2102	1114.5012

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

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\060418 MDQ P1 P2 SP\QuantResults\060418 MDQP1b SP.batch.bin		
Analysis Time	6/6/2018 9:48 AM	**Analyst Name**	ISPUser
Report Time	6/6/2018 10:36 AM	**Reporter Name**	ISPUser
Last Calib Update	6/6/2018 9:48 AM	**Batch State**	Processed

Analysis Info

Acq Time	2018-06-05 02:28	**Data File**	b Negative control.d
Sample Type	Sample	**Sample Name**	b Negative control.d
Dilution	1	**Acq Method**	MD Quant Panel 1b 12-12-17.m
Position	P1-D11	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28
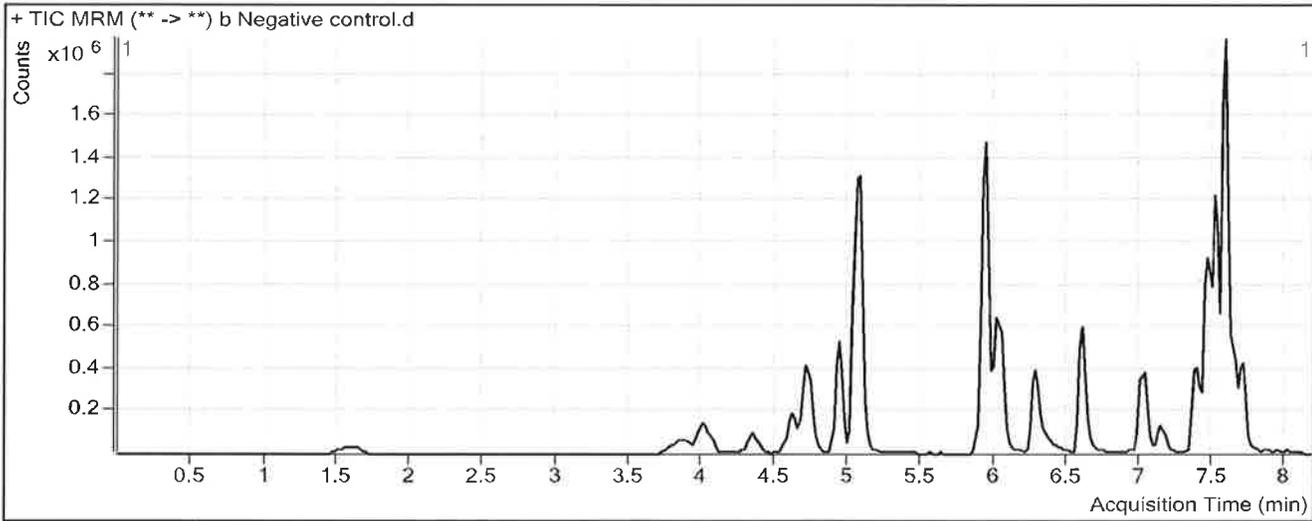
Sample Chromatogram

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

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.523	32819	2024534	0.0162	1.7427 < 25

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

Batch Data Path C:\MassHunter\Data\2018\MD Quant\060418 MDQ P1 P2 SP\QuantResults\060418 MDQP1b SP.batch.bin

Analysis Time 6/6/2018 9:48 AM **Analyst Name** ISPUser

Report Time 6/6/2018 10:36 AM **Reporter Name** ISPUser

Last Calib Update 6/6/2018 9:48 AM **Batch State** Processed

Analysis Info

Acq Time	2018-06-05 03:00	**Data File**	b External control-50ng mL.d
Sample Type	Sample	**Sample Name**	b External control-50ng mL.d
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
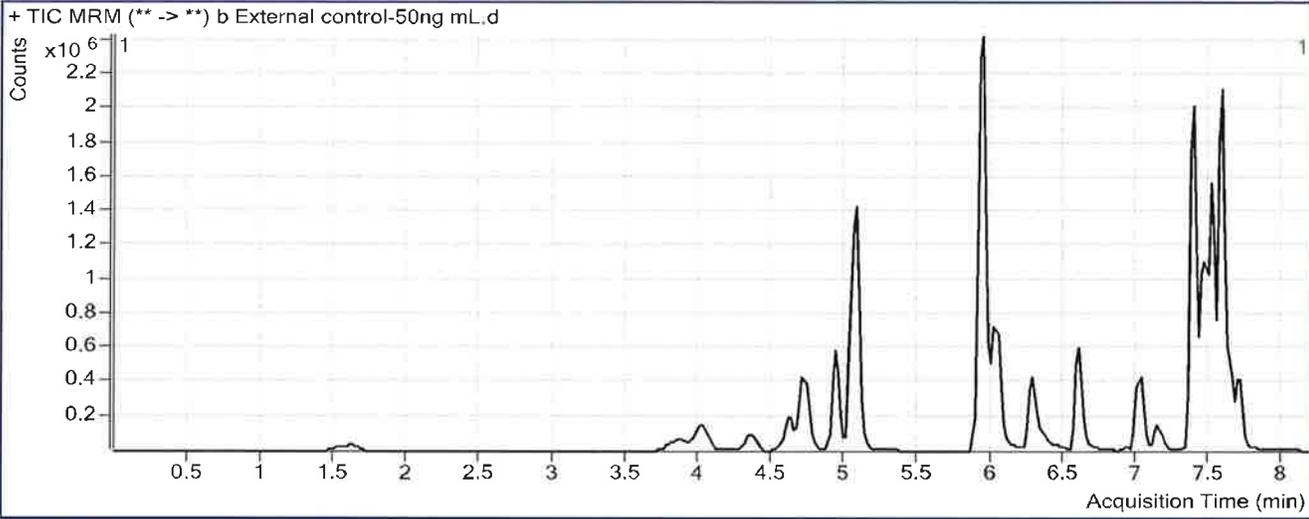
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Ketamine	Ketamine-D4	5.921	3549539	2807935	1.2641	52.9524
Quetiapine	Quetiapine-D8	7.380	3622309	856731	4.2281	42.0082
Fluoxetine	Fluoxetine-D6	7.523	16741	2703901	0.0062	1.3160 ⟨25

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

Batch Data Path   C:\MassHunter\Data\2018\MD Quant\060418 MDQ P1 P2 SP\QuantResults\060418 MDQP1b SP.batch.bin

Analysis Time	6/6/2018 9:48 AM	**Analyst Name**	ISPUser
Report Time	6/6/2018 10:36 AM	**Reporter Name**	ISPUser
Last Calib Update	6/6/2018 9:48 AM	**Batch State**	Processed

Analysis Info

Acq Time	2018-06-05 04:03	**Data File**	b QC 10 (QC1).d
Sample Type	QC	**Sample Name**	b QC 10 (QC1).d
Dilution	1	**Acq Method**	MD Quant Panel 1b 12-12-17.m
Position	P1-H11	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28
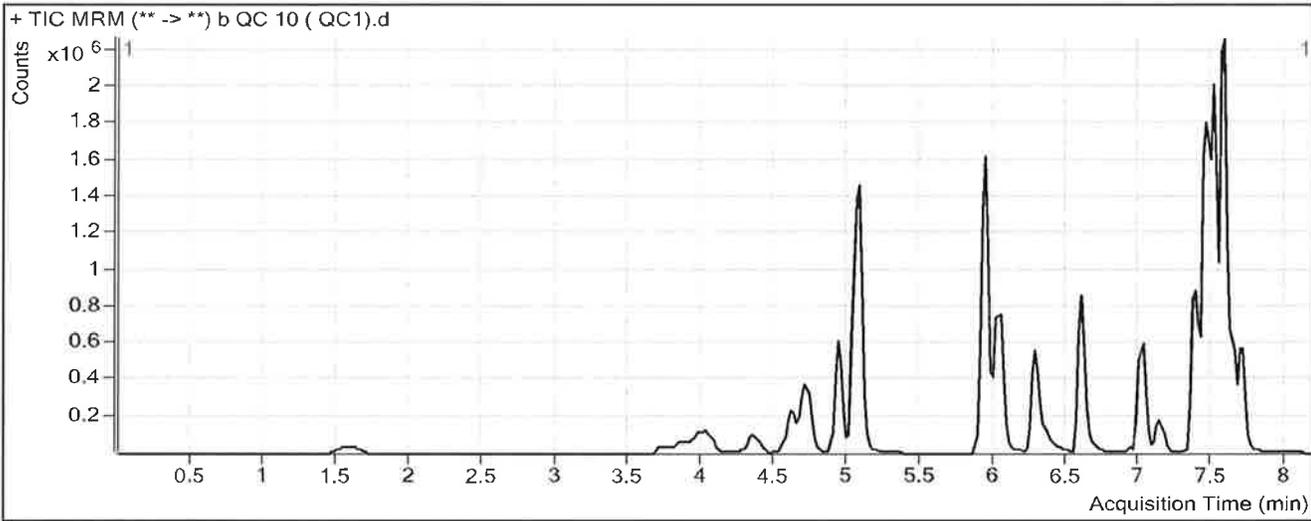
Sample Chromatogram

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

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.608	85348	337323	0.2530	10.2442
Dihydrocodeine	Dihydrocodeine-D6	3.915	75277	482896	0.1559	9.5233
Naloxone	Naloxone-D5	4.070	138335	935251	0.1479	9.5901
Noroxycodone	Noroxycodone-D3	4.399	124101	481981	0.2575	10.0663
Naltrexone	Naltrexone-D3	4.631	168246	852892	0.1973	9.5910
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.764	36805	1721225	0.0214	0.8774
Naltrexol	Naltrexol-D3	4.930	411881	1841491	0.2237	9.8148
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.076	1007254	5118153	0.1968	9.1471
Ketamine	Ketamine-D4	5.941	535423	2583776	0.2072	9.1401
Norfentanyl	Norfentanyl-D5	5.964	52947	3512154	0.0151	1.0361
alpha-PVP	alpha-PVP-d8	6.288	384963	2108508	0.1826	10.0722
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.621	38884	3255824	0.0119	0.9843
Norbuprenorphine	Norbuprenorphine-D3	6.935	1405	83590	0.0168	1.0312
Fentanyl	Fentanyl-D5	7.019	27614	2126963	0.0130	0.9146
EDDP	EDDP-D3	7.150	84816	509265	0.1665	9.2467
Sufentanil	Sufentanil-D5	7.379	22628	1127769	0.0201	1.0604
Quetiapine	Quetiapine-D8	7.380	861374	864670	0.9962	9.3900
Cyclobenzaprine	Cyclobenzaprine-D3	7.433	218292	872676	0.2501	10.4772
Methadone	Methadone-D9	7.463	977971	3915821	0.2497	10.3117

b QC 10 (QC1)

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.504	663704	2989838	0.2220	10.5065
Oxazepam	Oxazepam-D5	7.529	164549	1158875	0.1420	9.6904
Sertraline	Sertraline-D3	7.565	266696	1412136	0.1889	10.6979
Temazepam	Temazepam-D5	7.587	635049	3711494	0.1711	10.5794
~~Buprenorphine~~	~~Buprenorphine-D4~~	~~7.637~~	~~31918~~	~~859306~~	~~0.0371~~	~~1.6913~~ outside curve range
Nordiazepam	Nordiazepam-D5	7.655	346873	1092702	0.3174	9.7498
Diazepam	Diazepam-D5	7.712	240303	1062168	0.2262	9.7863

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

Batch Data Path   C:\MassHunter\Data\2018\MD Quant\060418 MDQ P1 P2 SP\QuantResults\060418 MDQP1b SP.batch.bin

Analysis Time	6/6/2018 9:48 AM	**Analyst Name**	ISPUser
Report Time	6/6/2018 10:37 AM	**Reporter Name**	ISPUser
Last Calib Update	6/6/2018 9:48 AM	**Batch State**	Processed

Analysis Info

Acq Time	2018-06-05 06:09	**Data File**	b QC 100 (QC2).d
Sample Type	QC	**Sample Name**	b QC 100 (QC2).d
Dilution	1	**Acq Method**	MD Quant Panel 1b 12-12-17.m
Position	P1-G11	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28
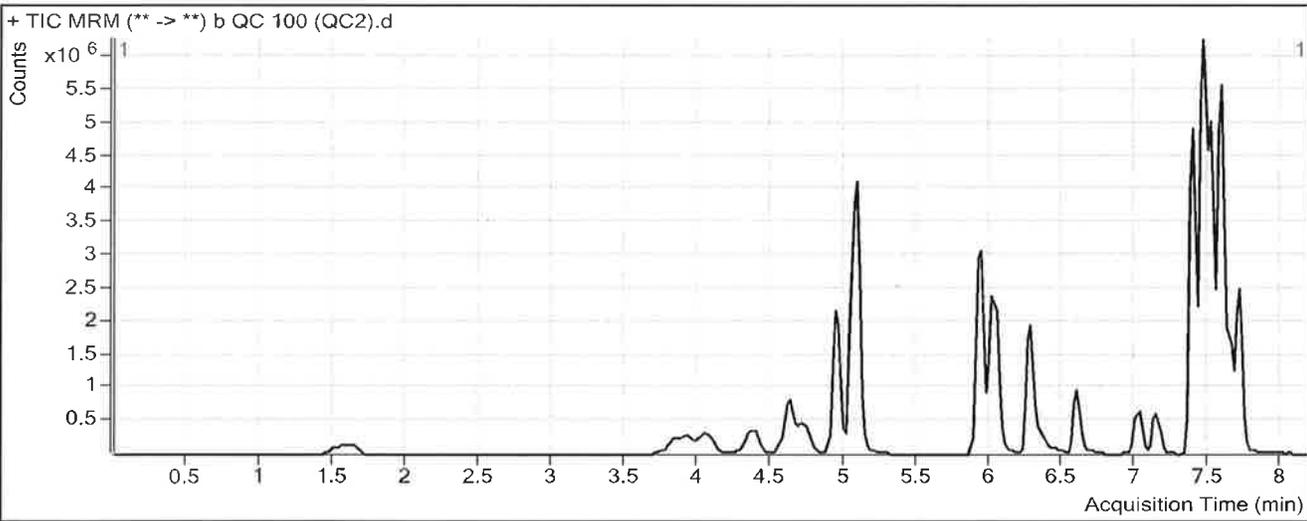
Sample Chromatogram

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

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.608	1074313	371171	2.8944	90.2406
Dihydrocodeine	Dihydrocodeine-D6	3.915	966244	527586	1.8314	96.1998
Naloxone	Naloxone-D5	4.070	1466828	949209	1.5453	82.5541
Noroxycodone	Noroxycodone-D3	4.399	1492283	499449	2.9879	89.3110
Naltrexone	Naltrexone-D3	4.631	1771639	845570	2.0952	94.4918
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.764	425575	1716398	0.2479	8.6205
Naltrexol	Naltrexol-D3	4.930	4780775	2013097	2.3748	93.4981
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.076	11254203	5499873	2.0463	103.4027
Ketamine	Ketamine-D4	5.921	5705490	2672550	2.1348	89.0480
Norfentanyl	Norfentanyl-D5	5.964	626110	3404136	0.1839	8.9836
alpha-PVP	alpha-PVP-d8	6.288	4134529	2207799	1.8727	96.1818
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.601	411449	2941357	0.1399	8.8167
Norbuprenorphine	Norbuprenorphine-D3	6.935	11248	72432	0.1553	8.9885
Fentanyl	Fentanyl-D5	7.019	303751	1873149	0.1622	9.1858
EDDP	EDDP-D3	7.150	997966	538842	1.8521	91.3182
Sufentanil	Sufentanil-D5	7.379	237640	1093353	0.2174	9.5782
Quetiapine	Quetiapine-D8	7.380	9806061	937475	10.4601	104.9058
Cyclobenzaprine	Cyclobenzaprine-D3	7.433	2284657	947299	2.4118	89.0378
Methadone	Methadone-D9	7.463	10127583	4127018	2.4540	98.3488

ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report b QC 100 (QC2)

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.504	7022085	2951964	2.3788	102.3631
Oxazepam	Oxazepam-D5	7.529	883623	578995	1.5261	93.1269
Sertraline	Sertraline-D3	7.565	2743987	1459370	1.8803	93.1720
Temazepam	Temazepam-D5	7.587	5569722	3144746	1.7711	89.5574
Buprenorphine	Buprenorphine-D4	7.617	293151	808672	0.3625	8.3036
Nordiazepam	Nordiazepam-D5	7.655	2737496	843282	3.2462	94.7553
Diazepam	Diazepam-D5	7.712	2681096	1073692	2.4971	94.4053

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

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\060418 MDQ P1 P2 SP\QuantResults\060418 MDQP1b SP.batch.bin		
Analysis Time	6/6/2018 9:48 AM	**Analyst Name**	ISPUser
Report Time	6/6/2018 10:37 AM	**Reporter Name**	ISPUser
Last Calib Update	6/6/2018 9:48 AM	**Batch State**	Processed

Analysis Info

Acq Time	2018-06-05 08:31	**Data File**	b QC 250 (QC 3).d
Sample Type	QC	**Sample Name**	b QC 250 (QC 3).d
Dilution	1	**Acq Method**	MD Quant Panel 1b 12-12-17.m
Position	P1-F11	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28
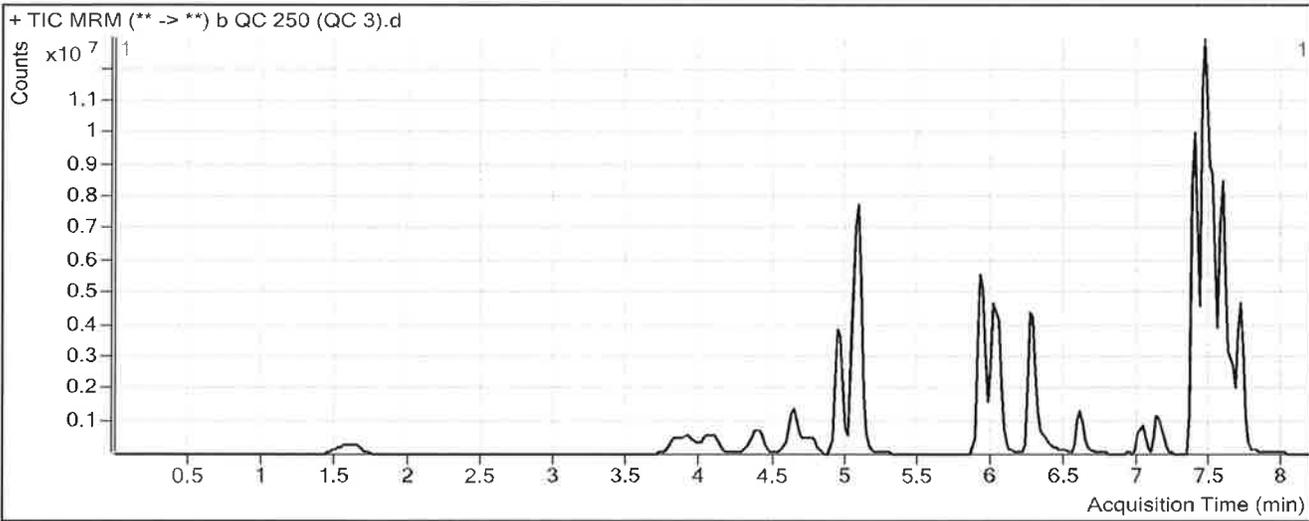
Sample Chromatogram

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

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.628	2526812	316093	7.9939	244.6842
Dihydrocodeine	Dihydrocodeine-D6	3.915	2279261	474055	4.8080	250.1775
Naloxone	Naloxone-D5	4.070	3427964	729765	4.6974	247.1346
Noroxycodone	Noroxycodone-D3	4.399	3302739	419602	7.8711	231.0402
Naltrexone	Naltrexone-D3	4.631	3409697	641594	5.3144	238.4976
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.784	1092459	1578032	0.6923	23.8066
Naltrexol	Naltrexol-D3	4.930	10388771	1691665	6.1412	240.0128
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.076	26411633	4963393	5.3213	270.3099
Ketamine	Ketamine-D4	5.921	14254725	2473825	5.7622	239.4175
Norfentanyl	Norfentanyl-D5	5.964	1517783	3075294	0.4935	23.5565
alpha-PVP	alpha-PVP-d8	6.268	10598013	2215436	4.7837	244.4953
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.601	1177520	3085949	0.3816	23.6126
Norbuprenorphine	Norbuprenorphine-D3	6.935	27837	62635	0.4444	25.6034
Fentanyl	Fentanyl-D5	7.019	814676	1888724	0.4313	24.1104
EDDP	EDDP-D3	7.130	2519837	481260	5.2359	256.0860
Sufentanil	Sufentanil-D5	7.379	512464	1074314	0.4770	20.7891
Quetiapine	Quetiapine-D8	7.380	21379426	829453	25.7753	259.4773
Cyclobenzaprine	Cyclobenzaprine-D3	7.433	5382256	794232	6.7767	247.6742
Methadone	Methadone-D9	7.463	23963552	3566410	6.7192	268.7045

ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report b QC 250 (QC3)

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.504	13768808	2365676	5.8202	248.9324
Oxazepam	Oxazepam-D5	7.529	1292774	307677	4.2017	254.4123
Sertraline	Sertraline-D3	7.565	5465815	1044360	5.2337	256.6872
Temazepam	Temazepam-D5	7.587	9991114	2159383	4.6268	230.5179
Buprenorphine	Buprenorphine-D4	7.617	738192	729157	1.0124	21.5108
Nordiazepam	Nordiazepam-D5	7.655	5040713	596549	8.4498	245.7833
Diazepam	Diazepam-D5	7.712	5640306	867667	6.5005	243.5872

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

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\060418 MDQ P1 P2 SP\QuantResults\060418 MDQP1b SP.batch.bin		
Analysis Time	6/6/2018 9:48 AM	**Analyst Name**	ISPUser
Report Time	6/6/2018 10:38 AM	**Reporter Name**	ISPUser
Last Calib Update	6/6/2018 9:48 AM	**Batch State**	Processed

Analysis Info

Acq Time	2018-06-05 11:40	**Data File**	b QC 1000 (QC4).d
Sample Type	QC	**Sample Name**	b QC 1000 (QC4).d
Dilution	1	**Acq Method**	MD Quant Panel 1b 12-12-17.m
Position	P1-E11	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28
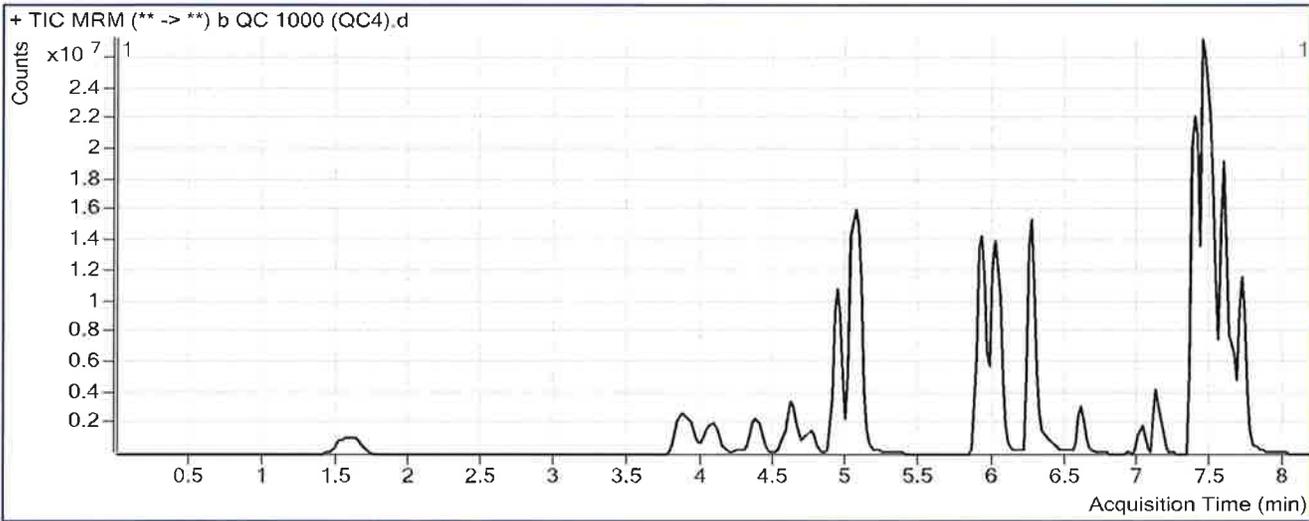
Sample Chromatogram

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

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.608	9830921	304723	32.2618	979.6611
Dihydrocodeine	Dihydrocodeine-D6	3.877	8848817	468274	18.8967	978.9837
Naloxone	Naloxone-D5	4.070	11125919	526850	21.1178	1104.5125
Noroxycodone	Noroxycodone-D3	4.379	10718030	301759	35.5185	1033.4623
Naltrexone	Naltrexone-D3	4.611	9603886	419695	22.8830	1024.3992
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.764	4270197	1353390	3.1552	107.9792
Naltrexol	Naltrexol-D3	4.930	34198954	1365225	25.0501	975.5942
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.056	75035122	4224835	17.7605	904.2576
Ketamine	Ketamine-D4	5.921	49881194	2135249	23.3608	968.9523
Norfentanyl	Norfentanyl-D5	5.964	5230610	2406328	2.1737	102.6377
alpha-PVP	alpha-PVP-d8	6.268	38253900	1898440	20.1502	1027.4000
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.601	4949941	2952953	1.6763	102.8720
Norbuprenorphine	Norbuprenorphine-D3	6.935	81308	39481	2.0594	118.4020
Fentanyl	Fentanyl-D5	7.019	2826510	1478001	1.9124	106.2281
EDDP	EDDP-D3	7.130	9509446	416566	22.8282	1112.6925
Sufentanil	Sufentanil-D5	7.379	2282349	953223	2.3943	103.5695
Quetiapine	Quetiapine-D8	7.380	48414912	663533	72.9654	735.7497
Cyclobenzaprine	Cyclobenzaprine-D3	7.433	14467220	497570	29.0758	1058.0992
Methadone	Methadone-D9	7.463	56282921	3035867	18.5393	740.8014

(handwritten note near Quetiapine row: "outside curve range")

Samples Report MDQ1_023_b QC 1000 (QC4).d.xlsx   Printed at: 10:38 AM on: 6/6/2018

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.504	29506014	1158655	25.4657	1085.6206
Oxazepam	Oxazepam-D5	7.529	3354634	180390	18.5965	1122.1371
Sertraline	Sertraline-D3	7.565	12362550	579866	21.3197	1041.0572
Temazepam	Temazepam-D5	7.587	26915677	1323710	20.3335	1005.8117
Buprenorphine	Buprenorphine-D4	7.617	2105980	414266	5.0836	104.2493
Nordiazepam	Nordiazepam-D5	7.655	9825567	292223	33.6235	976.4260
Diazepam	Diazepam-D5	7.712	16572309	573713	28.8861	1077.7446

Batch Data Path   C:\MassHunter\Data\2018\MD Quant\060418 MDQ P1 P2 SP\QuantResults\060418 MDQP1b SP.batch.bin

Last Calib Update   6/6/2018 9:48 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

$y = 0.033019 * x - 0.085235$
$R^2 = 0.99897761$
Type:Linear, Origin:Ignore, Weight:1/x
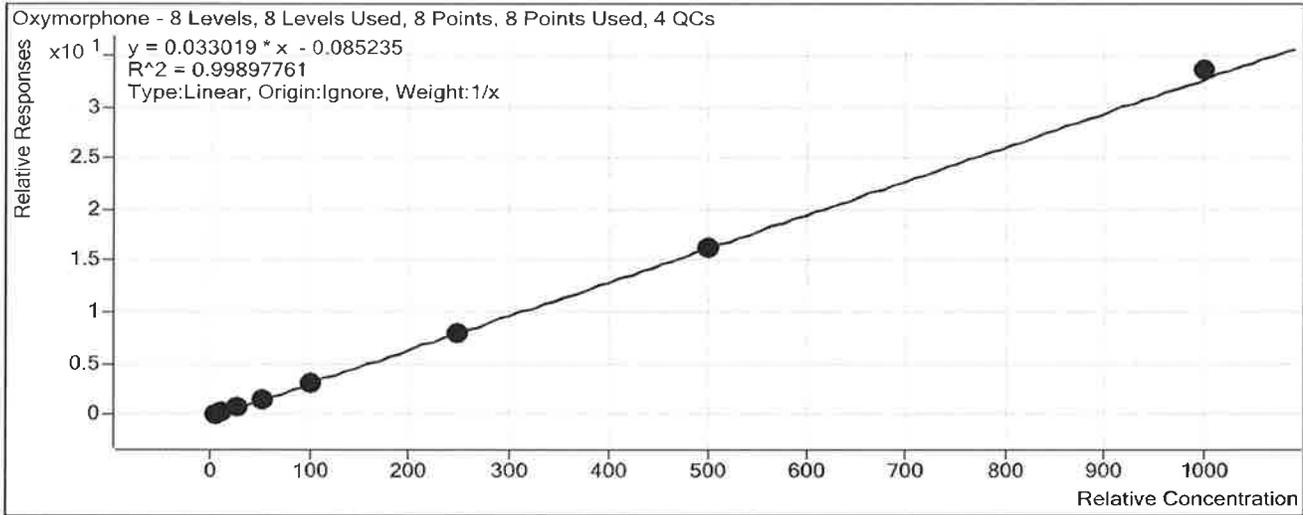
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	☑	5	6.2	123.9
b cal 2-10ng.d	2	☑	10	10.2	101.9
b QC 10 (QC1).d	2	☑	10	10.2	102.4
b cal 3-25ng.d	3	☑	25	22.3	89.2
b cal 4-50ng.d	4	☑	50	46.2	92.4
b cal 5-100ng.d	5	☑	100	93.1	93.1
b QC 100 (QC2).d	5	☑	100	90.2	90.2
b cal 6-250ng.d	6	☑	250	245.4	98.1
b QC 250 (QC 3).d	6	☑	250	244.7	97.9
b cal 7-500ng.d	7	☑	500	497.8	99.6
b cal 8-1000ng.d	8	☑	1000	1018.9	101.9
b QC 1000 (QC4).d	8	☑	1000	979.7	98.0

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\060418 MDQ P1 P2 SP\QuantResults\060418 MDQP1b SP.batch.bin		
Last Calib Update	6/6/2018 9:48 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

$y = 0.019331 * x - 0.028209$
$R^2 = 0.99920654$
Type:Linear, Origin:Ignore, Weight:1/x
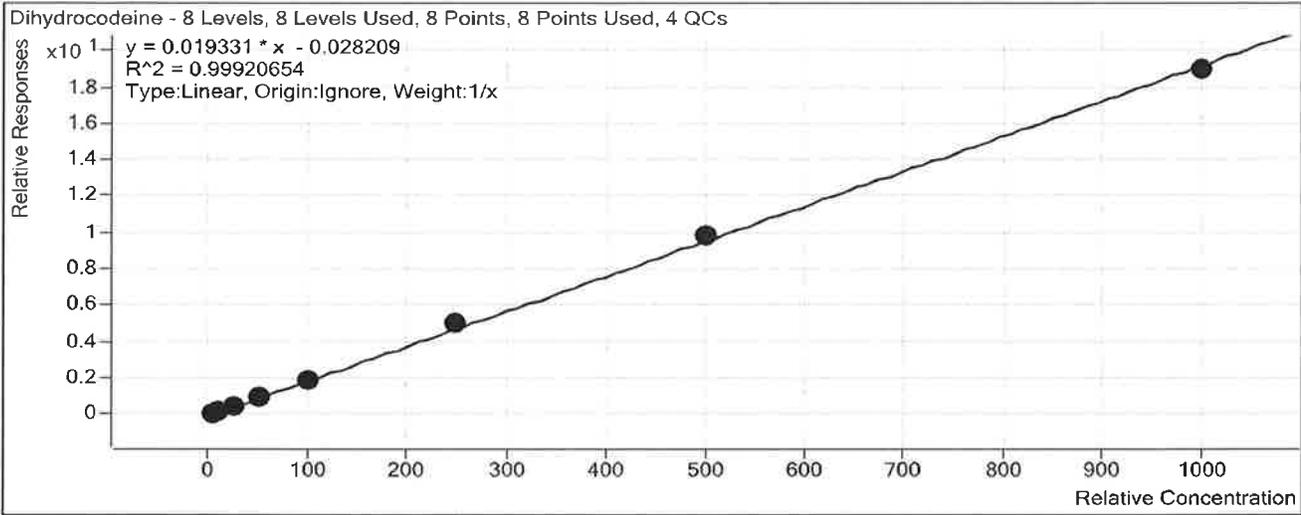
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	☑	5	5.4	107.4
b cal 2-10ng.d	2	☑	10	10.0	100.2
b QC 10 (QC1).d	2	☑	10	9.5	95.2
b cal 3-25ng.d	3	☑	25	23.2	92.8
b cal 4-50ng.d	4	☑	50	48.5	97.0
b cal 5-100ng.d	5	☑	100	97.5	97.5
b QC 100 (QC2).d	5	☑	100	96.2	96.2
b cal 6-250ng.d	6	☑	250	260.4	104.2
b QC 250 (QC 3).d	6	☑	250	250.2	100.1
b cal 7-500ng.d	7	☑	500	513.6	102.7
b cal 8-1000ng.d	8	☑	1000	981.5	98.1
b QC 1000 (QC4).d	8	☑	1000	979.0	97.9

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Batch Data Path	C:\MassHunter\Data\2018\MD Quant\060418 MDQ P1 P2 SP\QuantResults\060418 MDQP1b SP.batch.bin
Last Calib Update	6/6/2018 9:48 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

$y = 0.019152 * x - 0.035757$
$R^2 = 0.99099953$
Type:Linear, Origin:Ignore, Weight:$1/x^2$
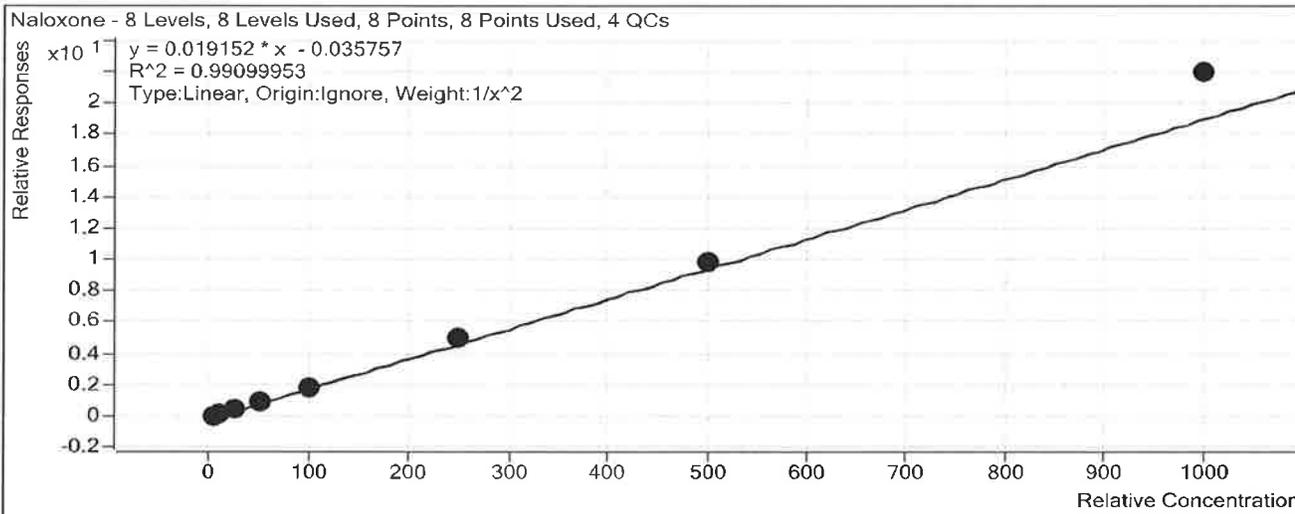
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	☑	5	5.3	105.4
b cal 2-10ng.d	2	☑	10	9.5	94.6
b QC 10 (QC1).d	2	☑	10	9.6	95.9
b cal 3-25ng.d	3	☑	25	22.7	90.8
b cal 4-50ng.d	4	☑	50	46.1	92.2
b cal 5-100ng.d	5	☑	100	94.8	94.8
b QC 100 (QC2).d	5	☑	100	82.6	82.6
b cal 6-250ng.d	6	☑	250	260.3	104.1
b QC 250 (QC 3).d	6	☑	250	247.1	98.9
b cal 7-500ng.d	7	☑	500	516.5	103.3
b cal 8-1000ng.d	8	☑	1000	1148.3	114.8
b QC 1000 (QC4).d	8	☑	1000	1104.5	110.5

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Batch Data Path	C:\MassHunter\Data\2018\MD Quant\060418 MDQ P1 P2 SP\QuantResults\060418 MDQP1b SP.batch.bin	
Last Calib Update	6/6/2018 9:48 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

$y = 0.034455 * x - 0.089352$
$R^2 = 0.99821552$
Type:Linear, Origin:Ignore, Weight:1/x
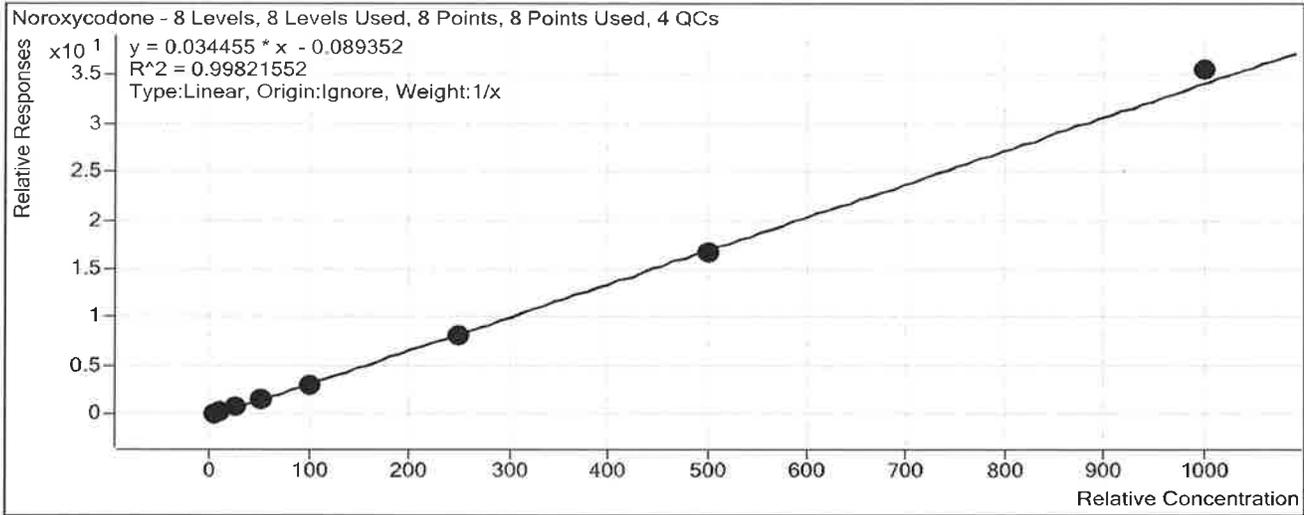
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	☑	5	6.2	123.7
b cal 2-10ng.d	2	☑	10	10.4	103.9
b QC 10 (QC1).d	2	☑	10	10.1	100.7
b cal 3-25ng.d	3	☑	25	22.6	90.4
b cal 4-50ng.d	4	☑	50	46.5	93.0
b cal 5-100ng.d	5	☑	100	92.0	92.0
b QC 100 (QC2).d	5	☑	100	89.3	89.3
b cal 6-250ng.d	6	☑	250	239.1	95.6
b QC 250 (QC 3).d	6	☑	250	231.0	92.4
b cal 7-500ng.d	7	☑	500	490.3	98.1
b cal 8-1000ng.d	8	☑	1000	1032.9	103.3
b QC 1000 (QC4).d	8	☑	1000	1033.5	103.3

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Batch Data Path	C:\MassHunter\Data\2018\MD Quant\060418 MDQ P1 P2 SP\QuantResults\060418 MDQP1b SP.batch.bin
Last Calib Update	6/6/2018 9:48 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

$y = 0.022355 * x - 0.017139$
$R^2 = 0.99952218$
Type:Linear, Origin:Ignore, Weight:$1/x^2$
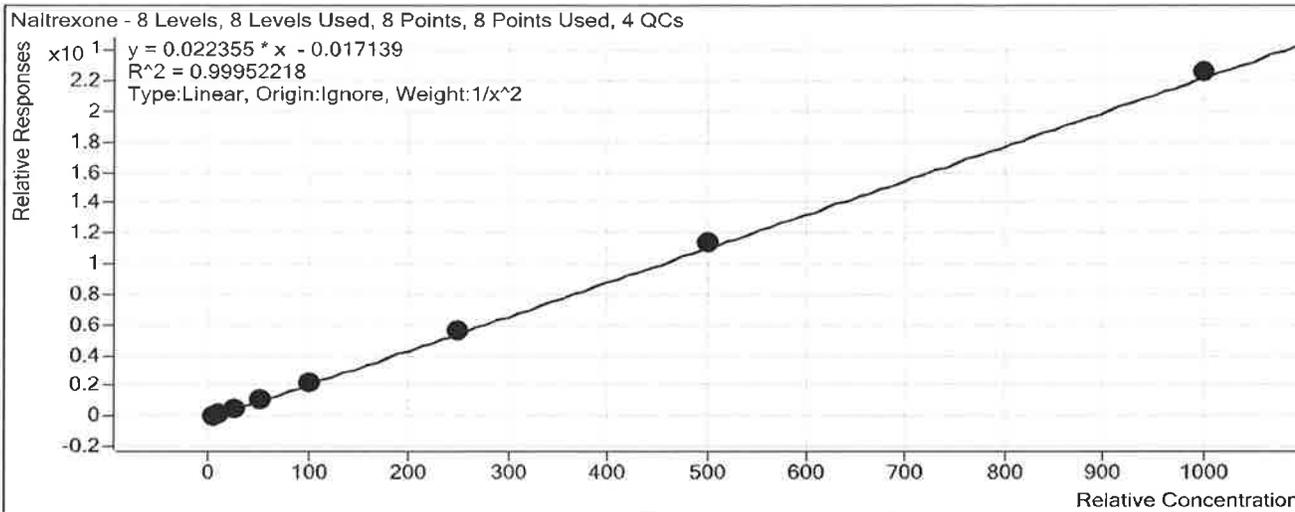
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	☑	5	5.0	100.5
b cal 2-10ng.d	2	☑	10	10.0	100.4
b QC 10 (QC1).d	2	☑	10	9.6	95.9
b cal 3-25ng.d	3	☑	25	24.0	96.2
b cal 4-50ng.d	4	☑	50	50.2	100.4
b cal 5-100ng.d	5	☑	100	98.2	98.2
b QC 100 (QC2).d	5	☑	100	94.5	94.5
b cal 6-250ng.d	6	☑	250	253.1	101.2
b QC 250 (QC 3).d	6	☑	250	238.5	95.4
b cal 7-500ng.d	7	☑	500	510.0	102.0
b cal 8-1000ng.d	8	☑	1000	1010.5	101.1
b QC 1000 (QC4).d	8	☑	1000	1024.4	102.4

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Batch Data Path	C:\MassHunter\Data\2018\MD Quant\060418 MDQ P1 P2 SP\QuantResults\060418 MDQP1b SP.batch.bin		
Last Calib Update	6/6/2018 9:48 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

$y = 0.029260 * x - 0.004290$
$R^2 = 0.98528767$
Type:Linear, Origin:Ignore, Weight:$1/x^2$
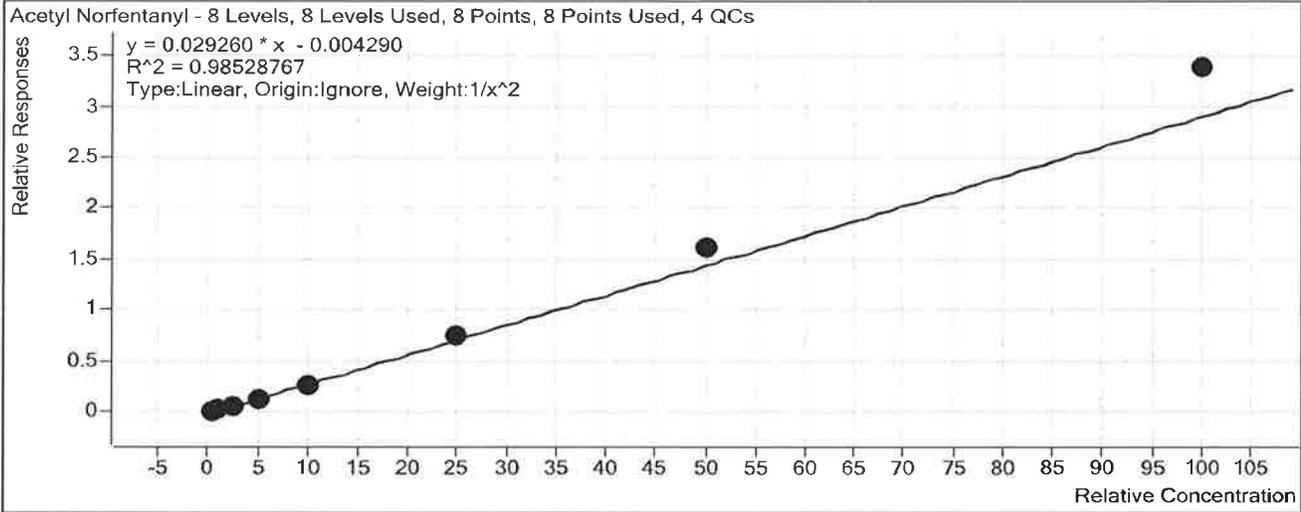
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	☑	0.5	0.5	107.5
b cal 2-10ng.d	2	☑	1	0.9	92.3
b QC 10 (QC1).d	2	☑	1	0.9	87.7
b cal 3-25ng.d	3	☑	2.5	2.2	87.1
b cal 4-50ng.d	4	☑	5	4.5	90.3
b cal 5-100ng.d	5	☑	10	9.3	93.2
b QC 100 (QC2).d	5	☑	10	8.6	86.2
b cal 6-250ng.d	6	☑	25	25.9	103.6
b QC 250 (QC 3).d	6	☑	25	23.8	95.2
b cal 7-500ng.d	7	☑	50	55.2	110.3
b cal 8-1000ng.d	8	☑	100	115.7	115.7
b QC 1000 (QC4).d	8	☑	100	108.0	108.0

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Batch Data Path	C:\MassHunter\Data\2018\MD Quant\060418 MDQ P1 P2 SP\QuantResults\060418 MDQP1b SP.batch.bin
Last Calib Update	6/6/2018 9:48 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

$y = 0.025706 * x - 0.028633$
$R^2 = 0.99961222$
Type:Linear, Origin:Ignore, Weight:1/x
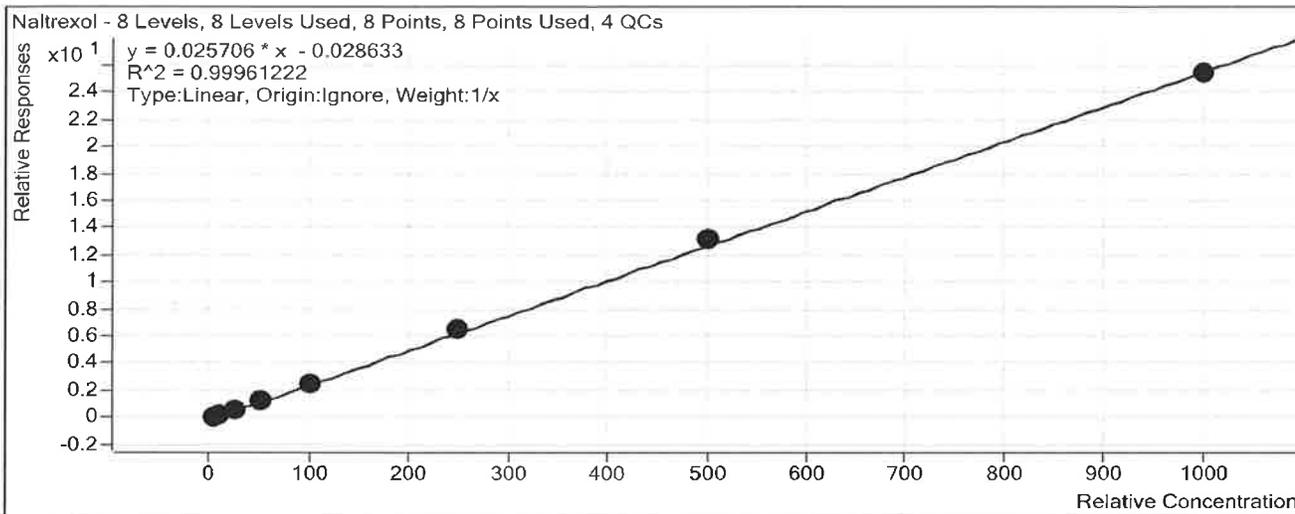
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	☑	5	5.4	107.1
b cal 2-10ng.d	2	☑	10	9.9	99.3
b QC 10 (QC1).d	2	☑	10	9.8	98.1
b cal 3-25ng.d	3	☑	25	24.5	97.8
b cal 4-50ng.d	4	☑	50	48.1	96.1
b cal 5-100ng.d	5	☑	100	96.9	96.9
b QC 100 (QC2).d	5	☑	100	93.5	93.5
b cal 6-250ng.d	6	☑	250	252.7	101.1
b QC 250 (QC 3).d	6	☑	250	240.0	96.0
b cal 7-500ng.d	7	☑	500	513.0	102.6
b cal 8-1000ng.d	8	☑	1000	989.5	99.0
b QC 1000 (QC4).d	8	☑	1000	975.6	97.6

ISP Forensics
Calibration Curve Report

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Batch Data Path	C:\MassHunter\Data\2018\MD Quant\060418 MDQ P1 P2 SP\QuantResults\060418 MDQP1b SP.batch.bin		
Last Calib Update	6/6/2018 9:48 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 = 0.019622 * x + 0.017318
R^2 = 0.99212364
Type:Linear, Origin:Ignore, Weight:1/x
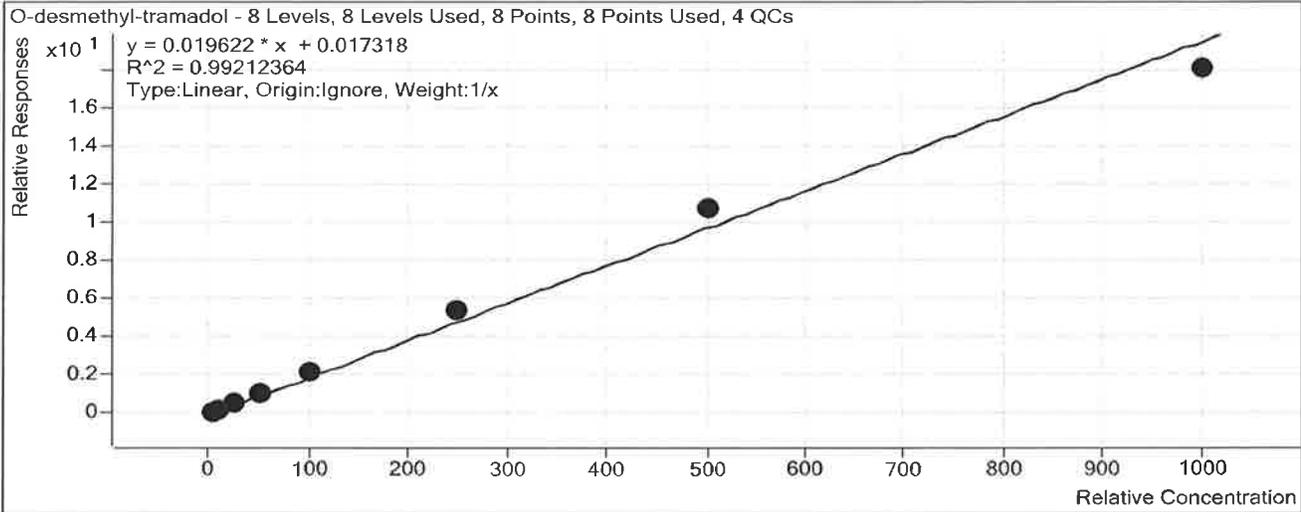
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	☑	5	4.1	82.6
b cal 2-10ng.d	2	☑	10	9.4	93.9
b QC 10 (QC1).d	2	☑	10	9.1	91.5
b cal 3-25ng.d	3	☑	25	25.1	100.5
b cal 4-50ng.d	4	☑	50	52.4	104.8
b cal 5-100ng.d	5	☑	100	106.9	106.9
b QC 100 (QC2).d	5	☑	100	103.4	103.4
b cal 6-250ng.d	6	☑	250	274.6	109.9
b QC 250 (QC 3).d	6	☑	250	270.3	108.1
b cal 7-500ng.d	7	☑	500	547.3	109.5
b cal 8-1000ng.d	8	☑	1000	920.1	92.0
b QC 1000 (QC4).d	8	☑	1000	904.3	90.4

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Batch Data Path	C:\MassHunter\Data\2018\MD Quant\060418 MDQ P1 P2 SP\QuantResults\060418 MDQP1b SP.batch.bin		
Last Calib Update	6/6/2018 9:48 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

$y = 0.024123 * x - 0.013263$
$R^2 = 0.99891746$
Type:Linear, Origin:Ignore, Weight:$1/x^2$
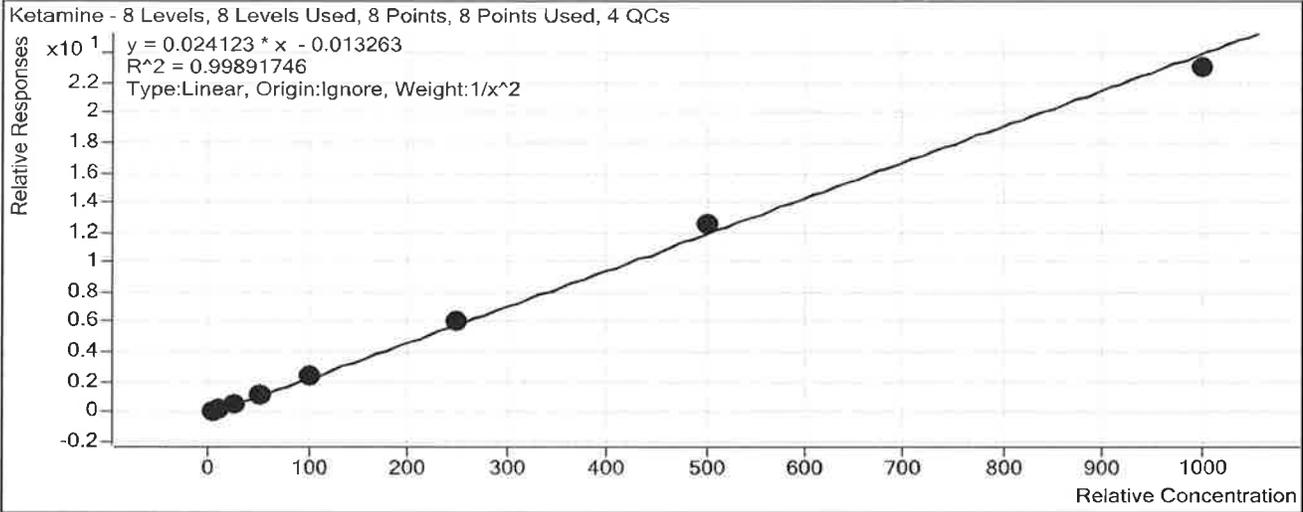
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	☑	5	5.0	99.5
b cal 2-10ng.d	2	☑	10	10.1	101.5
b QC 10 (QC1).d	2	☑	10	9.1	91.4
b cal 3-25ng.d	3	☑	25	24.9	99.5
b cal 4-50ng.d	4	☑	50	48.9	97.9
b cal 5-100ng.d	5	☑	100	99.1	99.1
b QC 100 (QC2).d	5	☑	100	89.0	89.0
b cal 6-250ng.d	6	☑	250	255.2	102.1
b QC 250 (QC 3).d	6	☑	250	239.4	95.8
b cal 7-500ng.d	7	☑	500	524.5	104.9
b cal 8-1000ng.d	8	☑	1000	954.4	95.4
b QC 1000 (QC4).d	8	☑	1000	969.0	96.9

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\060418 MDQ P1 P2 SP\QuantResults\060418 MDQP1b SP.batch.bin
Last Calib Update	6/6/2018 9:48 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

$y = 0.021246 * x - 0.006938$
$R^2 = 0.99197993$
Type:Linear, Origin:Ignore, Weight:$1/x^2$
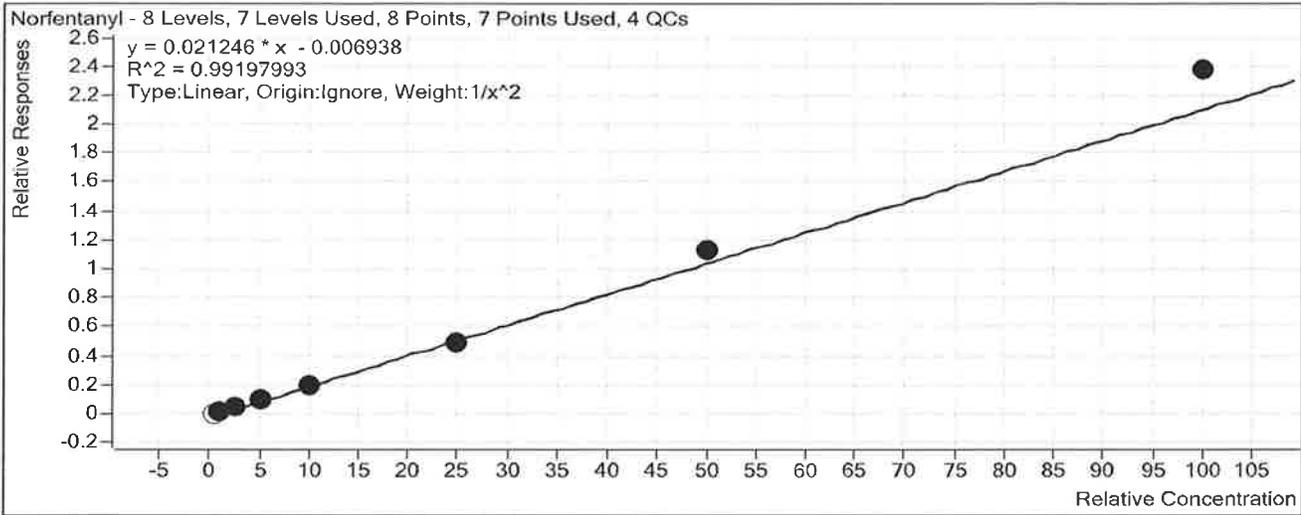
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	☐	0.5	0.7	134.2
b cal 2-10ng.d	2	☑	1	1.0	104.0
b QC 10 (QC1).d	2	☑	1	1.0	103.6
b cal 3-25ng.d	3	☑	2.5	2.4	94.2
b cal 4-50ng.d	4	☑	5	4.7	94.2
b cal 5-100ng.d	5	☑	10	9.5	95.1
b QC 100 (QC2).d	5	☑	10	9.0	89.8
b cal 6-250ng.d	6	☑	25	23.2	93.0
b QC 250 (QC 3).d	6	☑	25	23.6	94.2
b cal 7-500ng.d	7	☑	50	53.8	107.5
b cal 8-1000ng.d	8	☑	100	112.0	112.0
b QC 1000 (QC4).d	8	☑	100	102.6	102.6

Calibration Curve Report

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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

$y = 0.019627 * x - 0.015116$
$R^2 = 0.99840082$
Type:Linear, Origin:Ignore, Weight:1/x^2
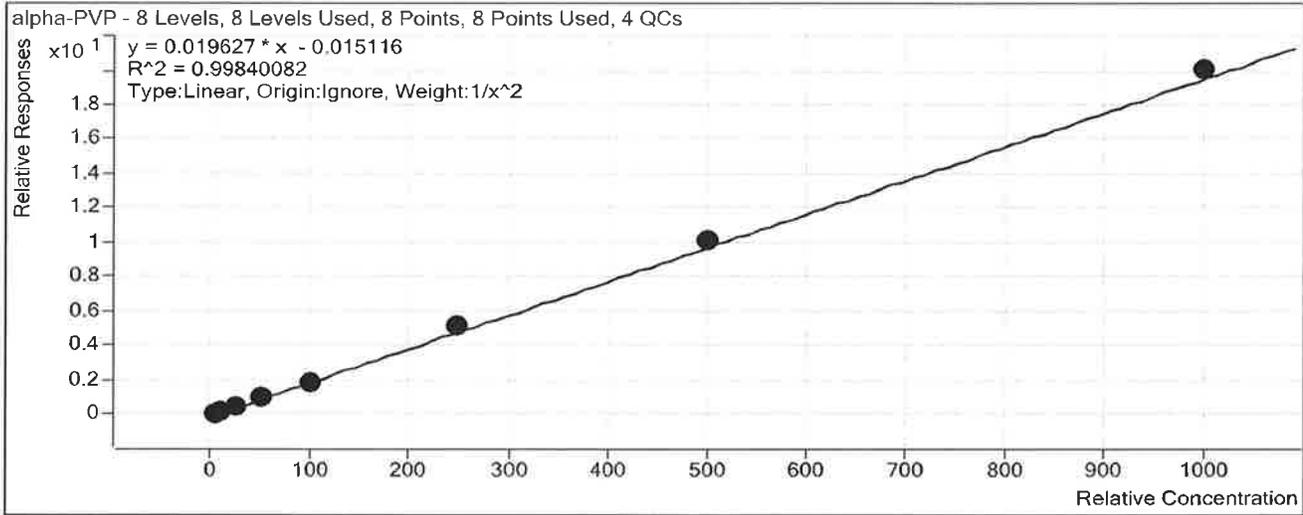
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	☑	5	5.1	102.1
b cal 2-10ng.d	2	☑	10	9.8	97.6
b QC 10 (QC1).d	2	☑	10	10.1	100.7
b cal 3-25ng.d	3	☑	25	24.1	96.4
b cal 4-50ng.d	4	☑	50	50.0	100.1
b cal 5-100ng.d	5	☑	100	94.5	94.5
b QC 100 (QC2).d	5	☑	100	96.2	96.2
b cal 6-250ng.d	6	☑	250	260.4	104.1
b QC 250 (QC 3).d	6	☑	250	244.5	97.8
b cal 7-500ng.d	7	☑	500	515.7	103.1
b cal 8-1000ng.d	8	☑	1000	1020.5	102.1
b QC 1000 (QC4).d	8	☑	1000	1027.4	102.7

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Batch Data Path	C:\MassHunter\Data\2018\MD Quant\060418 MDQ P1 P2 SP\QuantResults\060418 MDQP1b SP.batch.bin	
Last Calib Update	6/6/2018 9:48 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

$y = 0.016335 * x - 0.004136$
$R^2 = 0.99839161$
Type:Linear, Origin:Ignore, Weight:1/x

Relative Responses (y-axis) vs Relative Concentration (x-axis)
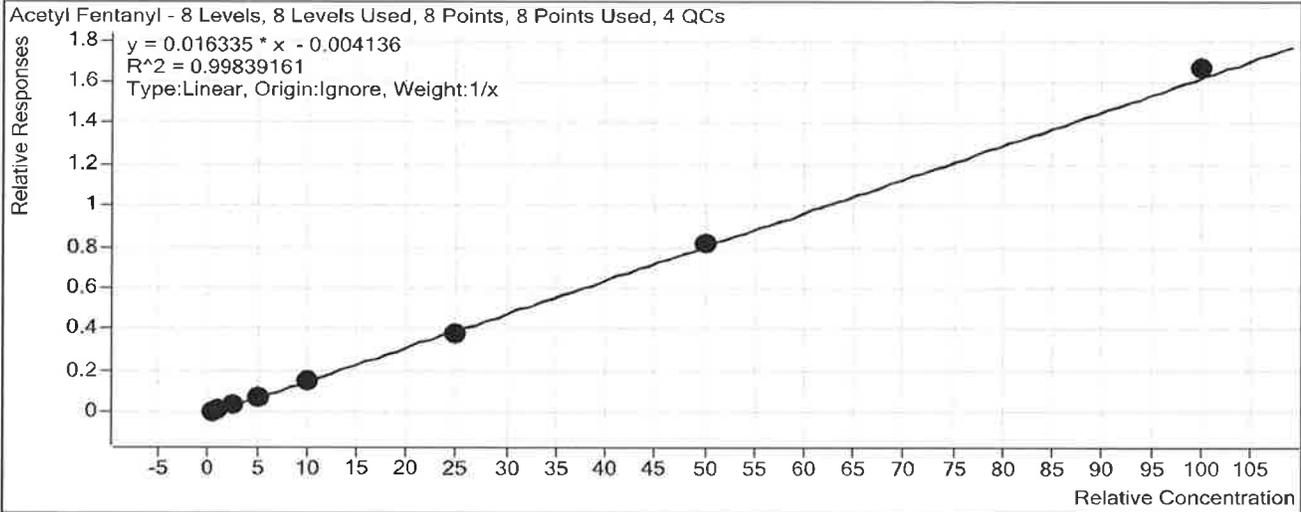
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	☑	0.5	0.6	123.4
b cal 2-10ng.d	2	☑	1	1.0	103.9
b QC 10 (QC1).d	2	☑	1	1.0	98.4
b cal 3-25ng.d	3	☑	2.5	2.4	94.2
b cal 4-50ng.d	4	☑	5	4.4	87.7
b cal 5-100ng.d	5	☑	10	9.3	93.2
b QC 100 (QC2).d	5	☑	10	8.8	88.2
b cal 6-250ng.d	6	☑	25	23.6	94.5
b QC 250 (QC 3).d	6	☑	25	23.6	94.5
b cal 7-500ng.d	7	☑	50	50.6	101.1
b cal 8-1000ng.d	8	☑	100	102.1	102.1
b QC 1000 (QC4).d	8	☑	100	102.9	102.9

**Batch Data Path**   C:\MassHunter\Data\2018\MD Quant\060418 MDQ P1 P2 SP\QuantResults\060418 MDQP1b SP.batch.bin

Last Calib Update   6/6/2018 9:48 AM   **Analyst Name**   ISP TOX

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

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

$y = 0.017403 * x - 0.001143$
$R^2 = 0.98721614$
Type:Linear, Origin:Ignore, Weight:$1/x^2$
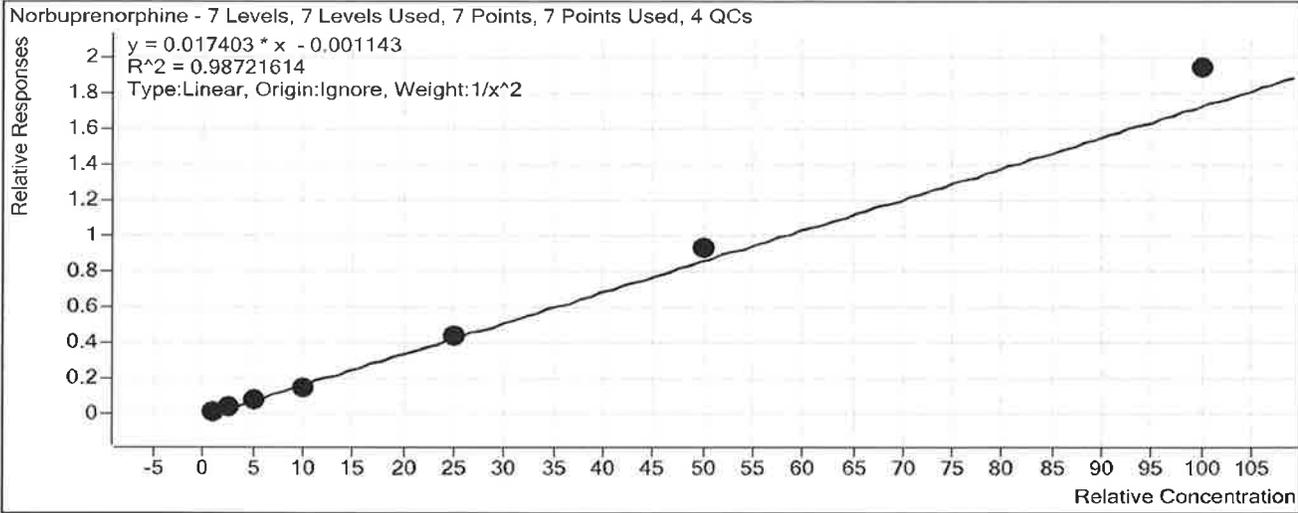
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	☐	0.5	0.0	0.0
b cal 2-10ng.d	2	☑	1	1.0	101.5
b QC 10 (QC1).d	2	☐	1	1.0	103.1
b cal 3-25ng.d	3	☑	2.5	2.5	101.8
b cal 4-50ng.d	4	☑	5	4.8	96.9
b cal 5-100ng.d	5	☑	10	8.1	80.7
b QC 100 (QC2).d	5	☑	10	9.0	89.9
b cal 6-250ng.d	6	☑	25	25.1	100.5
b QC 250 (QC 3).d	6	☑	25	25.6	102.4
b cal 7-500ng.d	7	☑	50	53.5	107.0
b cal 8-1000ng.d	8	☑	100	111.6	111.6
b QC 1000 (QC4).d	8	☑	100	118.4	118.4

istdnew1.xlsx

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Batch Data Path	C:\MassHunter\Data\2018\MD Quant\060418 MDQ P1 P2 SP\QuantResults\060418 MDQP1b SP.batch.bin		
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Target Compound   Fentanyl
Internal Standard   Fentanyl-D5

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

$y = 0.018036 * x - 0.003512$
$R^2 = 0.99015896$
Type:Linear, Origin:Ignore, Weight:$1/x^2$
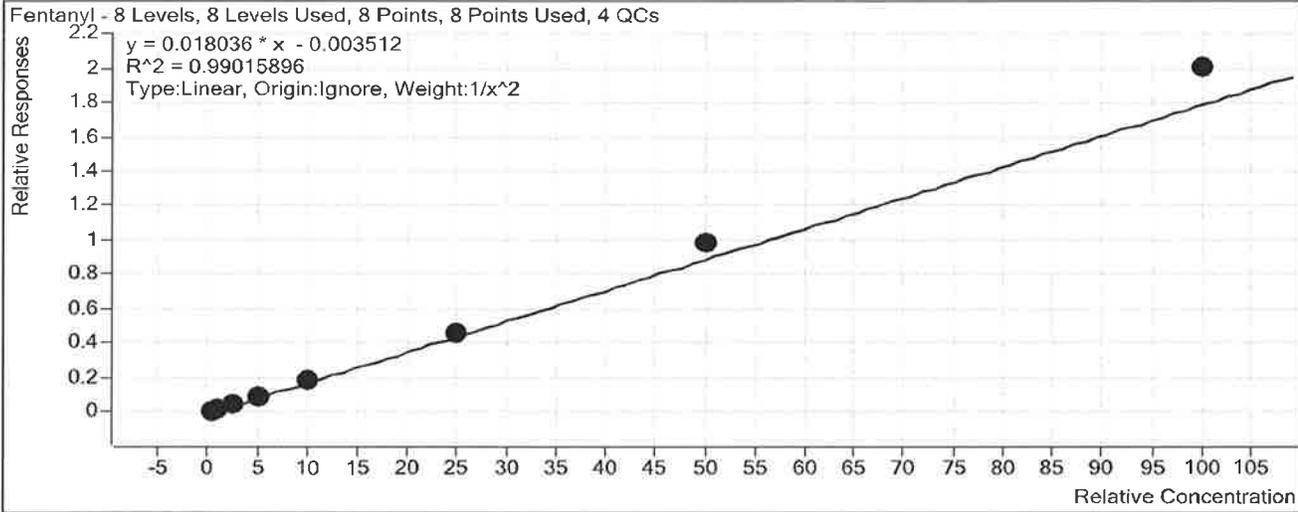
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	☑	0.5	0.5	104.7
b cal 2-10ng.d	2	☑	1	1.0	97.5
b QC 10 (QC1).d	2	☑	1	0.9	91.5
b cal 3-25ng.d	3	☑	2.5	2.2	87.2
b cal 4-50ng.d	4	☑	5	4.5	89.0
b cal 5-100ng.d	5	☑	10	10.0	99.6
b QC 100 (QC2).d	5	☑	10	9.2	91.9
b cal 6-250ng.d	6	☑	25	25.4	101.7
b QC 250 (QC 3).d	6	☑	25	24.1	96.4
b cal 7-500ng.d	7	☑	50	54.5	109.0
b cal 8-1000ng.d	8	☑	100	111.3	111.3
b QC 1000 (QC4).d	8	☑	100	106.2	106.2

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Analyst Name   ISP TOX

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

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

$y = 0.020537 * x - 0.023356$
$R^2 = 0.99222023$
Type:Linear, Origin:Ignore, Weight:$1/x^2$
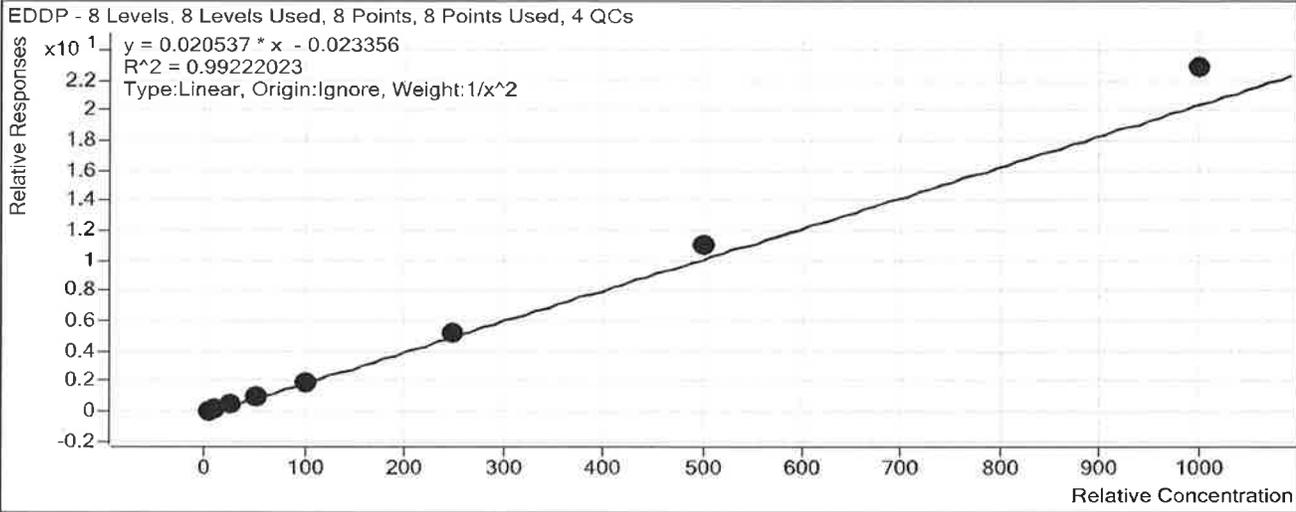
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	☑	5	5.3	106.3
b cal 2-10ng.d	2	☑	10	9.2	91.8
b QC 10 (QC1).d	2	☑	10	9.2	92.5
b cal 3-25ng.d	3	☑	25	23.2	92.8
b cal 4-50ng.d	4	☑	50	46.2	92.4
b cal 5-100ng.d	5	☑	100	96.4	96.4
b QC 100 (QC2).d	5	☑	100	91.3	91.3
b cal 6-250ng.d	6	☑	250	254.3	101.7
b QC 250 (QC 3).d	6	☑	250	256.1	102.4
b cal 7-500ng.d	7	☑	500	536.8	107.4
b cal 8-1000ng.d	8	☑	1000	1112.1	111.2
b QC 1000 (QC4).d	8	☑	1000	1112.7	111.3

| **Batch Data Path** | C:\MassHunter\Data\2018\MD Quant\060418 MDQ P1 P2 SP\QuantResults\060418 MDQP1b SP.batch.bin | | |
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Target Compound *Sufentanil*
Internal Standard *Sufentanil-D5*

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

$y = 0.023162 * x - 0.004497$
$R^2 = 0.99774611$
Type:Linear, Origin:Ignore, Weight:1/x
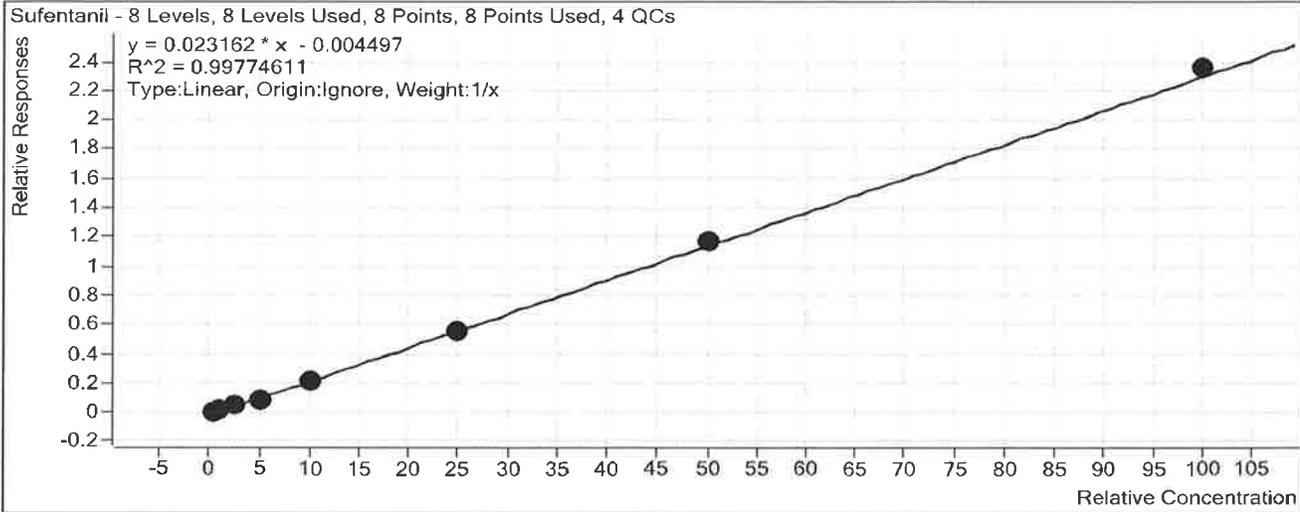
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	☑	0.5	0.6	121.1
b cal 2-10ng.d	2	☑	1	1.2	115.9
b QC 10 (QC1).d	2	☑	1	1.1	106.0
b cal 3-25ng.d	3	☑	2.5	2.2	89.7
b cal 4-50ng.d	4	☑	5	4.0	80.7
b cal 5-100ng.d	5	☑	10	9.3	93.2
b QC 100 (QC2).d	5	☑	10	9.6	95.8
b cal 6-250ng.d	6	☑	25	24.0	95.8
b QC 250 (QC 3).d	6	☑	25	20.8	83.2
b cal 7-500ng.d	7	☑	50	50.9	101.8
b cal 8-1000ng.d	8	☑	100	101.8	101.8
b QC 1000 (QC4).d	8	☑	100	103.6	103.6

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

Quetiapine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs
$y = 0.099082 * x + 0.065806$
$R^2 = 0.99849703$
Type:Linear, Origin:Ignore, Weight:1/x
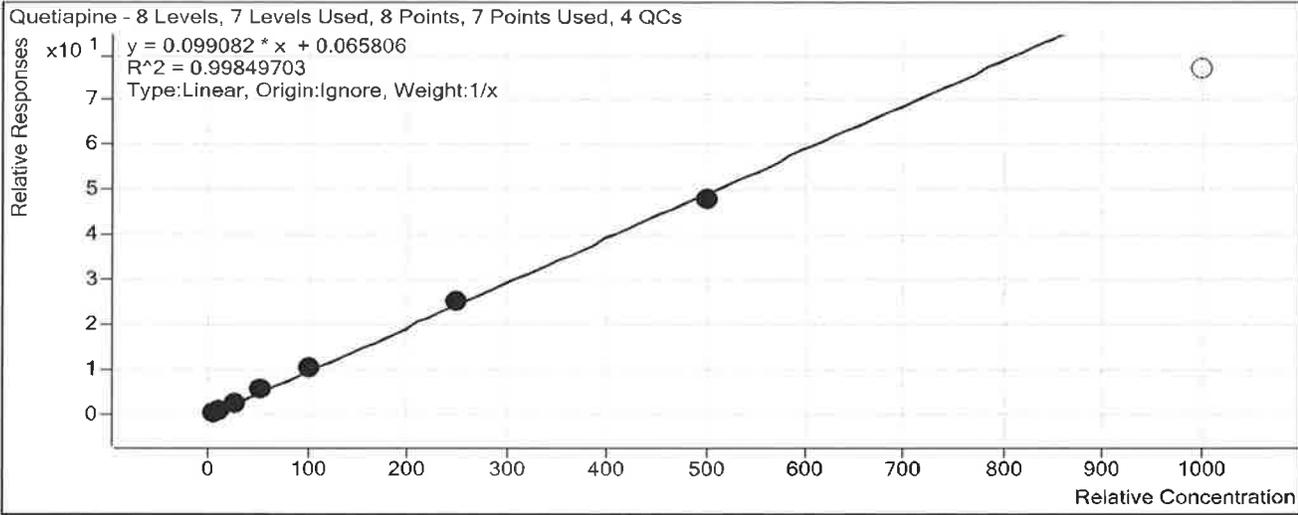
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	☑	5	4.5	90.0
b cal 2-10ng.d	2	☑	10	9.5	95.4
b QC 10 (QC1).d	2	☑	10	9.4	93.9
b cal 3-25ng.d	3	☑	25	25.6	102.6
b cal 4-50ng.d	4	☑	50	53.6	107.1
b cal 5-100ng.d	5	☑	100	105.5	105.5
b QC 100 (QC2).d	5	☑	100	104.9	104.9
b cal 6-250ng.d	6	☑	250	255.9	102.4
b QC 250 (QC 3).d	6	☑	250	259.5	103.8
b cal 7-500ng.d	7	☑	500	485.3	97.1
b cal 8-1000ng.d	8	☐	1000	775.3	77.5
b QC 1000 (QC4).d	8	☐	1000	735.7	73.6

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Target Compound   Cyclobenzaprine
Internal Standard   Cyclobenzaprine-D3

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

$y = 0.027515 * x - 0.038142$
$R^2 = 0.99922066$
Type:Linear, Origin:Ignore, Weight:1/x
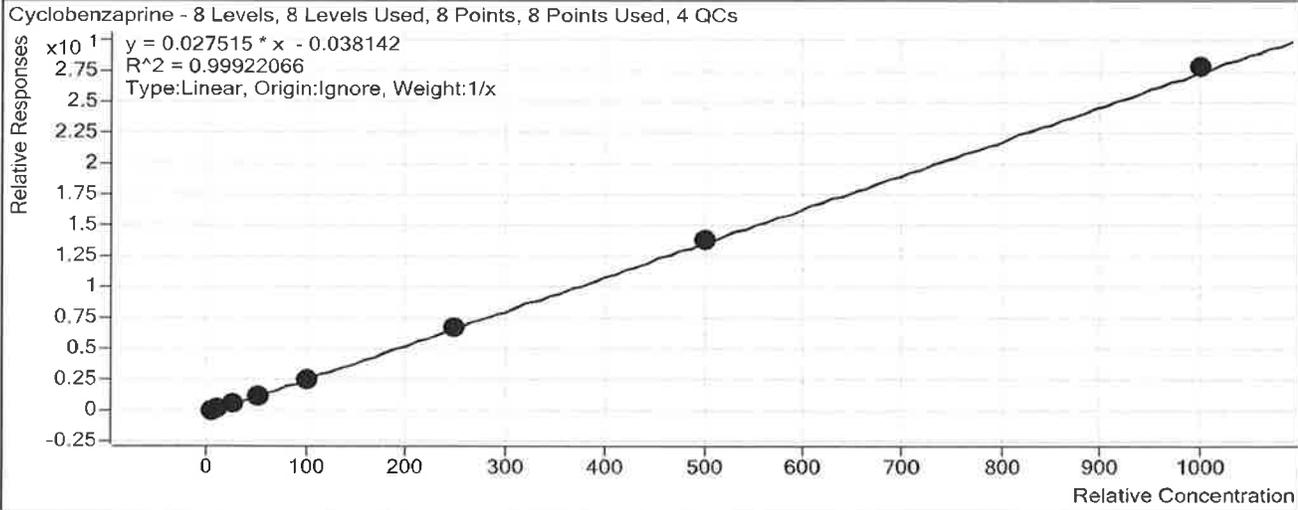
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	☑	5	5.5	111.0
b cal 2-10ng.d	2	☑	10	10.5	104.9
b QC 10 (QC1).d	2	☑	10	10.5	104.8
b cal 3-25ng.d	3	☑	25	25.4	101.6
b cal 4-50ng.d	4	☑	50	43.6	87.2
b cal 5-100ng.d	5	☑	100	95.2	95.2
b QC 100 (QC2).d	5	☑	100	89.0	89.0
b cal 6-250ng.d	6	☑	250	245.1	98.0
b QC 250 (QC 3).d	6	☑	250	247.7	99.1
b cal 7-500ng.d	7	☑	500	505.8	101.2
b cal 8-1000ng.d	8	☑	1000	1008.8	100.9
b QC 1000 (QC4).d	8	☑	1000	1058.1	105.8

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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 = 0.025037 * x - 0.008430
R^2 = 0.99219734
Type:Linear, Origin:Ignore, Weight:1/x^2
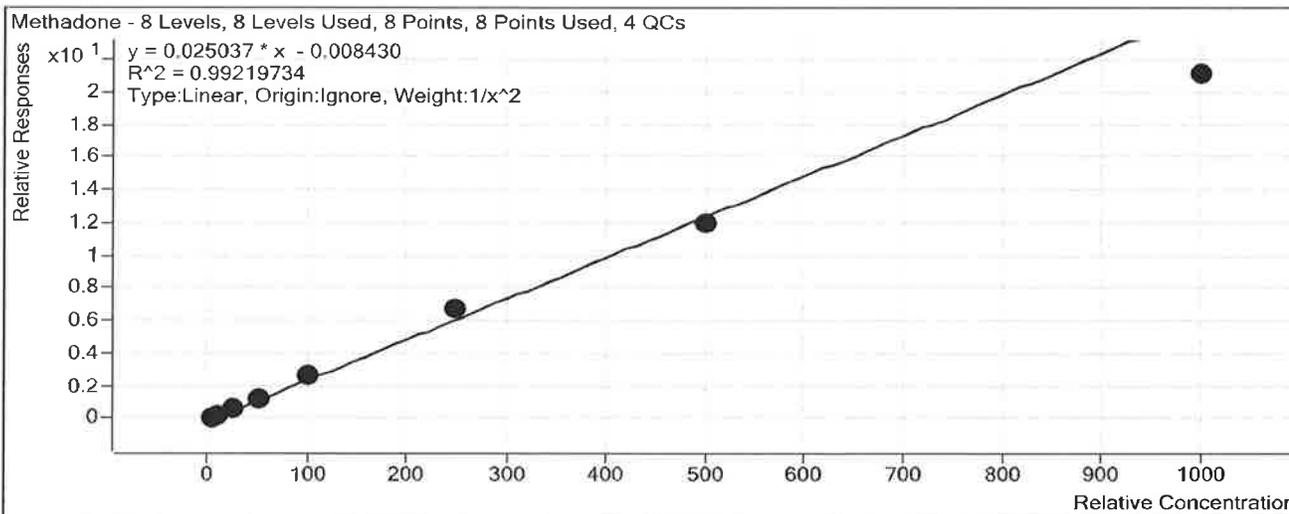
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	☑	5	4.9	98.0
b cal 2-10ng.d	2	☑	10	10.1	101.4
b QC 10 (QC1).d	2	☑	10	10.3	103.1
b cal 3-25ng.d	3	☑	25	25.8	103.1
b cal 4-50ng.d	4	☑	50	51.1	102.2
b cal 5-100ng.d	5	☑	100	108.1	108.1
b QC 100 (QC2).d	5	☑	100	98.3	98.3
b cal 6-250ng.d	6	☑	250	269.2	107.7
b QC 250 (QC 3).d	6	☑	250	268.7	107.5
b cal 7-500ng.d	7	☑	500	476.2	95.2
b cal 8-1000ng.d	8	☑	1000	842.7	84.3
b QC 1000 (QC4).d	8	☑	1000	740.8	74.1

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

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

$y = 0.023480 * x - 0.024708$
$R^2 = 0.99980265$
Type:Linear, Origin:Ignore, Weight:1/x
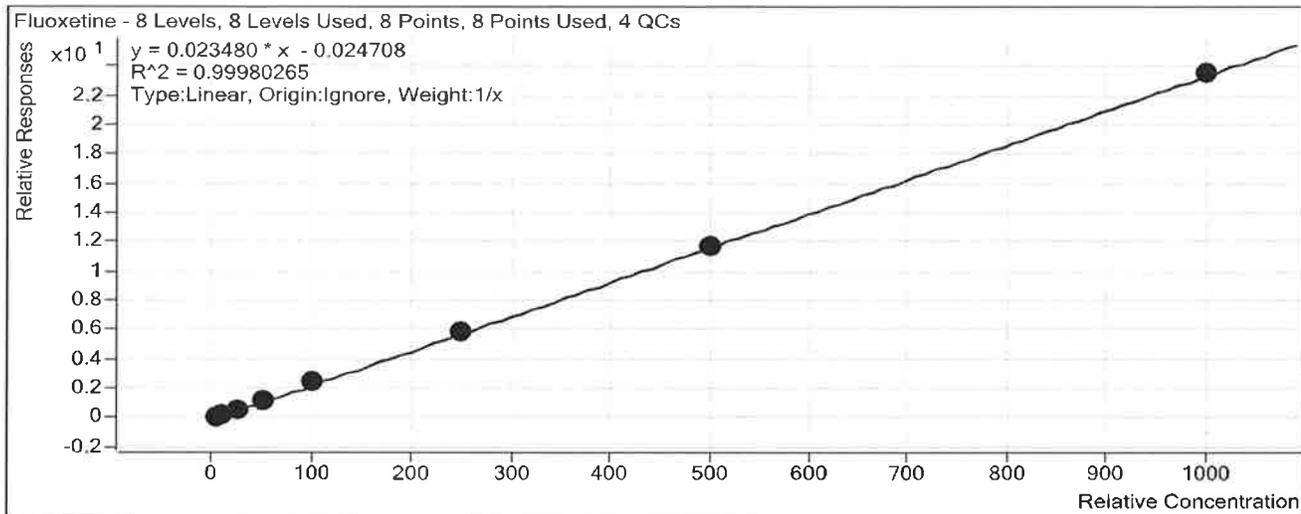
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	☑	5	5.5	110.8
b cal 2-10ng.d	2	☑	10	9.5	95.4
b QC 10 (QC1).d	2	☑	10	10.5	105.1
b cal 3-25ng.d	3	☑	25	23.3	93.3
b cal 4-50ng.d	4	☑	50	48.7	97.3
b cal 5-100ng.d	5	☑	100	103.0	103.0
b QC 100 (QC2).d	5	☑	100	102.4	102.4
b cal 6-250ng.d	6	☑	250	251.6	100.6
b QC 250 (QC 3).d	6	☑	250	248.9	99.6
b cal 7-500ng.d	7	☑	500	496.9	99.4
b cal 8-1000ng.d	8	☑	1000	1001.5	100.1
b QC 1000 (QC4).d	8	☑	1000	1085.6	108.6

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

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

$y = 0.016589 * x - 0.018765$
$R^2 = 0.98804863$
Type:Linear, Origin:Ignore, Weight:1/x^2
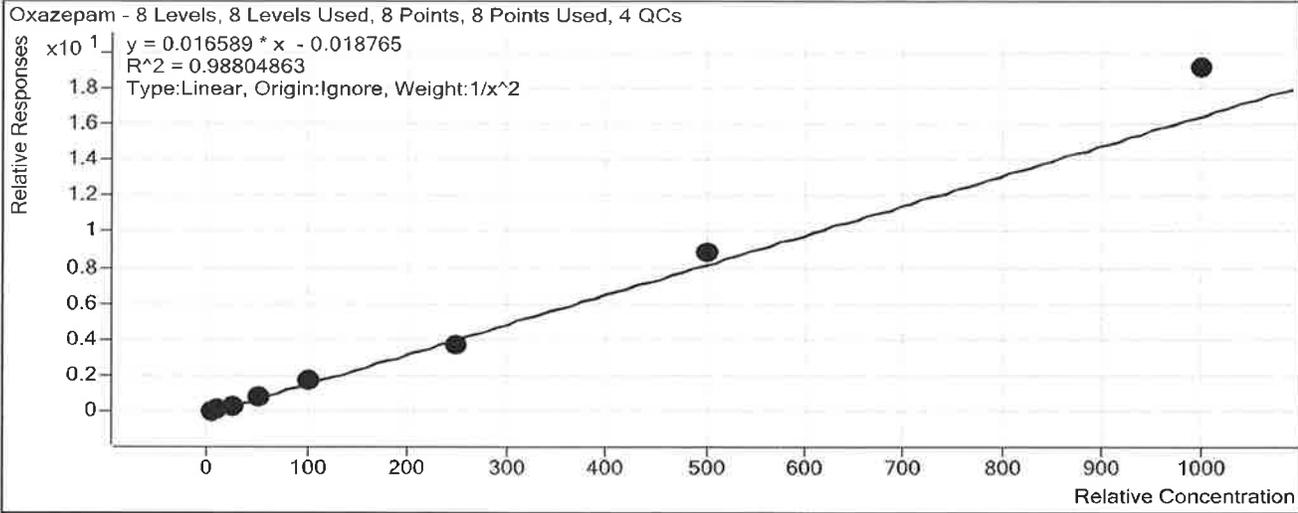
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	☑	5	5.2	103.8
b cal 2-10ng.d	2	☑	10	9.9	99.2
b QC 10 (QC1).d	2	☑	10	9.7	96.9
b cal 3-25ng.d	3	☑	25	21.1	84.4
b cal 4-50ng.d	4	☑	50	48.3	96.6
b cal 5-100ng.d	5	☑	100	102.3	102.3
b QC 100 (QC2).d	5	☑	100	93.1	93.1
b cal 6-250ng.d	6	☑	250	228.1	91.2
b QC 250 (QC 3).d	6	☑	250	254.4	101.8
b cal 7-500ng.d	7	☑	500	535.9	107.2
b cal 8-1000ng.d	8	☑	1000	1153.1	115.3
b QC 1000 (QC4).d	8	☑	1000	1122.1	112.2

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

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

$y = 0.020508 * x - 0.030535$
$R^2 = 0.99568290$
Type:Linear, Origin:Ignore, Weight:$1/x^2$
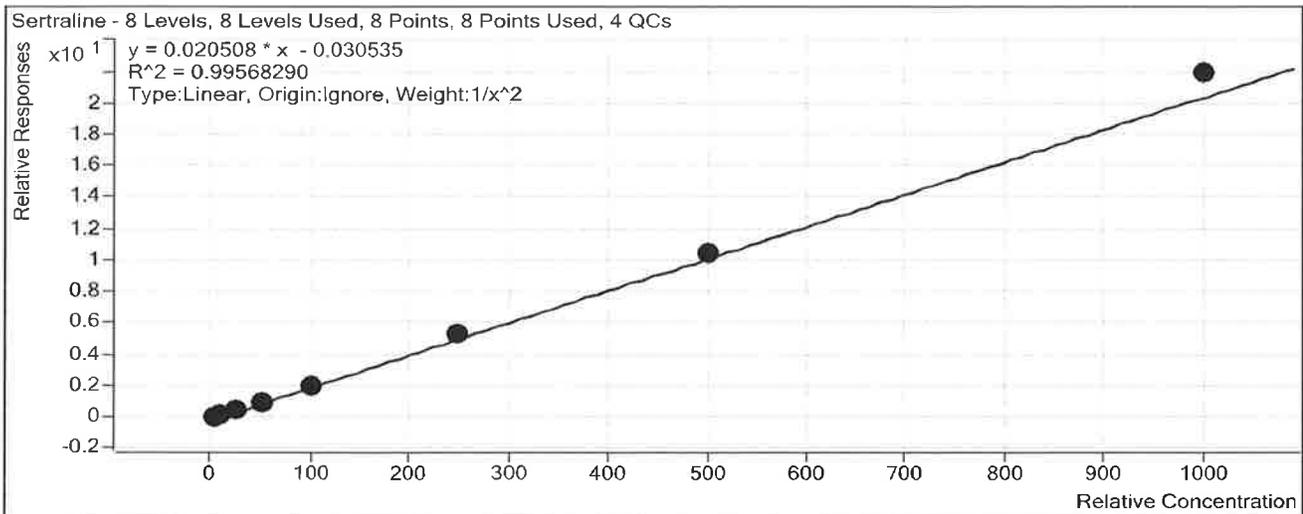
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	☑	5	5.2	103.2
b cal 2-10ng.d	2	☑	10	9.9	98.7
b QC 10 (QC1).d	2	☑	10	10.7	107.0
b cal 3-25ng.d	3	☑	25	22.2	88.6
b cal 4-50ng.d	4	☑	50	48.4	96.7
b cal 5-100ng.d	5	☑	100	99.1	99.1
b QC 100 (QC2).d	5	☑	100	93.2	93.2
b cal 6-250ng.d	6	☑	250	263.1	105.2
b QC 250 (QC 3).d	6	☑	250	256.7	102.7
b cal 7-500ng.d	7	☑	500	508.7	101.7
b cal 8-1000ng.d	8	☑	1000	1067.7	106.8
b QC 1000 (QC4).d	8	☑	1000	1041.1	104.1

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Analyst Name   ISP TOX

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

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

$y = 0.020259 * x - 0.043225$
$R^2 = 0.99869163$
Type:Linear, Origin:Ignore, Weight:1/x
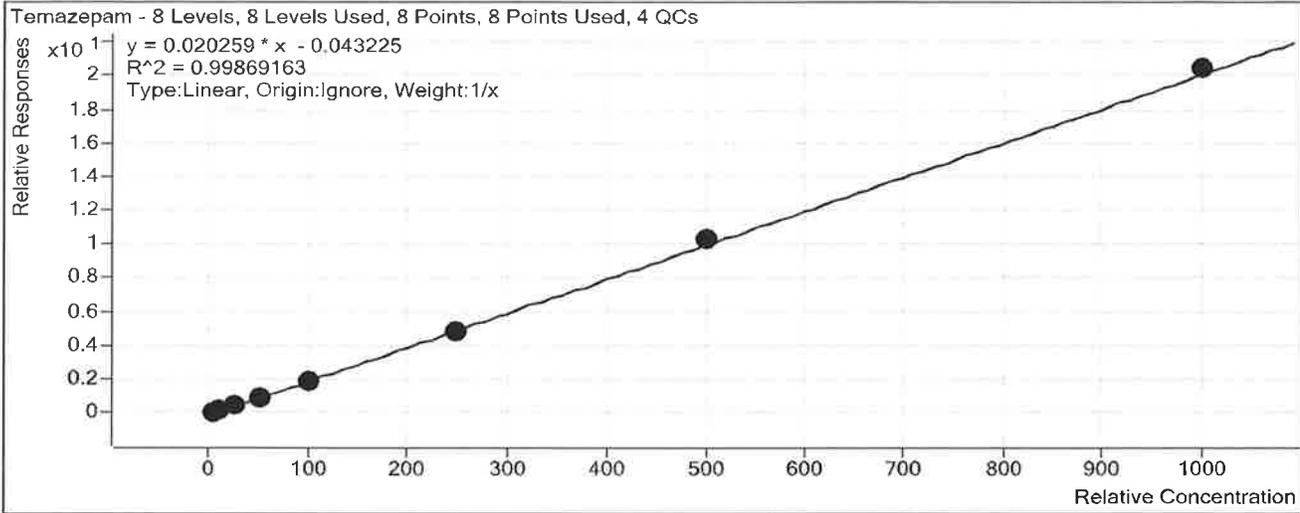
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	☑	5	6.0	119.8
b cal 2-10ng.d	2	☑	10	10.3	102.9
b QC 10 (QC1).d	2	☑	10	10.6	105.8
b cal 3-25ng.d	3	☑	25	23.7	94.9
b cal 4-50ng.d	4	☑	50	46.1	92.3
b cal 5-100ng.d	5	☑	100	90.6	90.6
b QC 100 (QC2).d	5	☑	100	89.6	89.6
b cal 6-250ng.d	6	☑	250	239.9	96.0
b QC 250 (QC 3).d	6	☑	250	230.5	92.2
b cal 7-500ng.d	7	☑	500	513.1	102.6
b cal 8-1000ng.d	8	☑	1000	1010.3	101.0
b QC 1000 (QC4).d	8	☑	1000	1005.8	100.6

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

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

$y = 0.049206 * x - 0.046079$
$R^2 = 0.98301898$
Type:Linear, Origin:Ignore, Weight:$1/x^2$
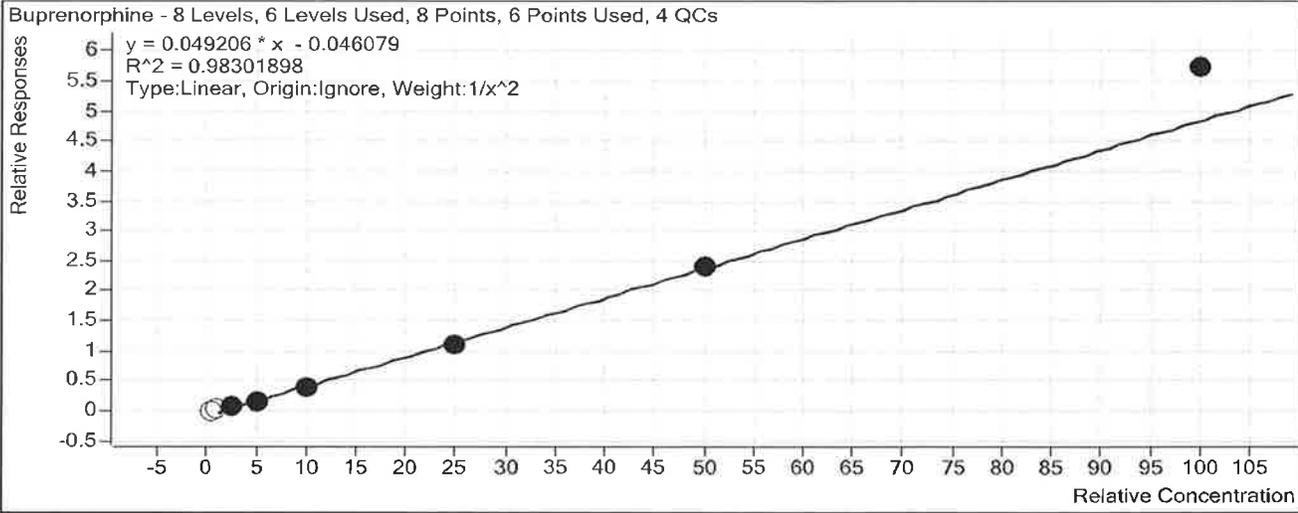
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	☐	0.5	1.2	244.7
b cal 2-10ng.d	2	☐	1	1.6	161.8
b QC 10 (QC1).d	2	☐	1	1.7	169.1
b cal 3-25ng.d	3	☑	2.5	2.7	107.3
b cal 4-50ng.d	4	☑	5	4.5	89.9
b cal 5-100ng.d	5	☑	10	9.2	92.0
b QC 100 (QC2).d	5	☑	10	8.3	83.0
b cal 6-250ng.d	6	☑	25	23.5	93.9
b QC 250 (QC 3).d	6	☑	25	21.5	86.0
b cal 7-500ng.d	7	☑	50	49.9	99.7
b cal 8-1000ng.d	8	☑	100	117.2	117.2
b QC 1000 (QC4).d	8	☑	100	104.2	104.2

Calibration Curve Report

Batch Data Path   C:\MassHunter\Data\2018\MD Quant\060418 MDQ P1 P2 SP\QuantResults\060418 MDQP1b SP.batch.bin

Last Calib Update   6/6/2018 9:48 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

$y = 0.034454 * x - 0.018476$
$R^2 = 0.99800800$
Type:Linear, Origin:Ignore, Weight:1/x^2
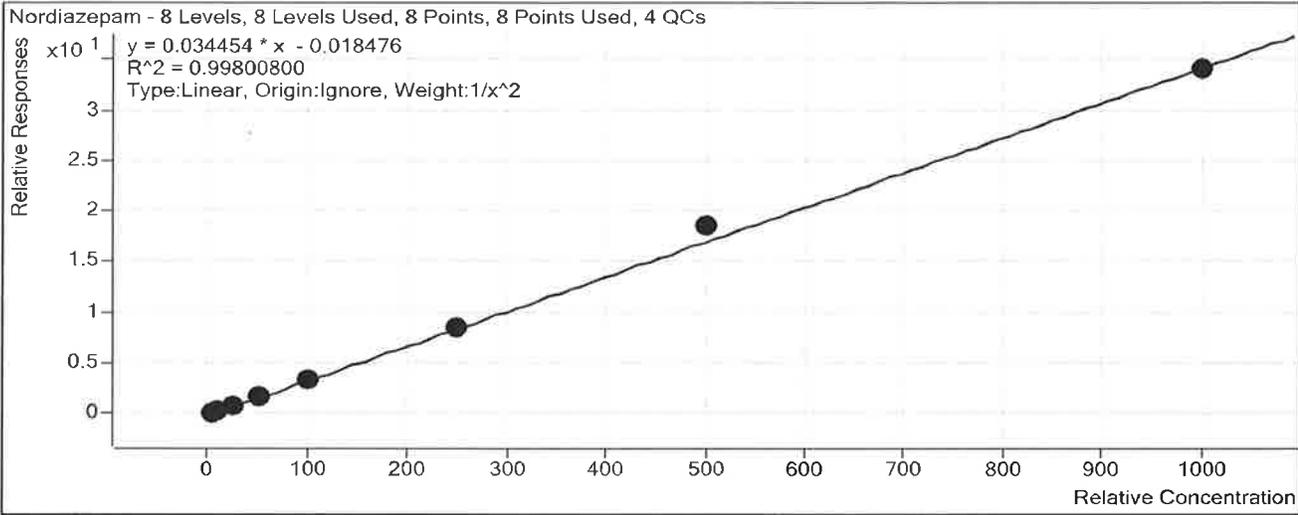
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	☑	5	5.0	99.2
b cal 2-10ng.d	2	☑	10	10.3	103.0
b QC 10 (QC1).d	2	☑	10	9.7	97.5
b cal 3-25ng.d	3	☑	25	24.9	99.5
b cal 4-50ng.d	4	☑	50	47.3	94.7
b cal 5-100ng.d	5	☑	100	97.2	97.2
b QC 100 (QC2).d	5	☑	100	94.8	94.8
b cal 6-250ng.d	6	☑	250	249.5	99.8
b QC 250 (QC 3).d	6	☑	250	245.8	98.3
b cal 7-500ng.d	7	☑	500	538.2	107.6
b cal 8-1000ng.d	8	☑	1000	989.5	99.0
b QC 1000 (QC4).d	8	☑	1000	976.4	97.6

|		
Batch Data Path	C:\MassHunter\Data\2018\MD Quant\060418 MDQ P1 P2 SP\QuantResults\060418 MDQP1b SP.batch.bin	
Last Calib Update	6/6/2018 9:48 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

$y = 0.026836 * x - 0.036388$
$R^2 = 0.99835000$
Type:Linear, Origin:Ignore, Weight:$1/x^2$
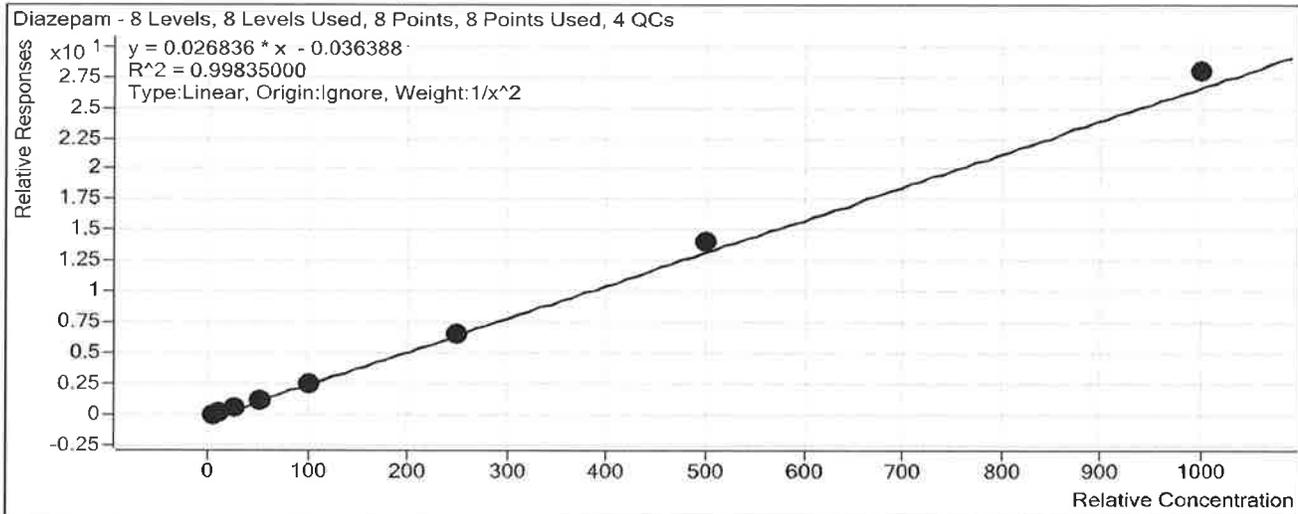
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	☑	5	5.0	100.2
b cal 2-10ng.d	2	☑	10	10.2	102.3
b QC 10 (QC1).d	2	☑	10	9.8	97.9
b cal 3-25ng.d	3	☑	25	23.8	95.3
b cal 4-50ng.d	4	☑	50	48.4	96.8
b cal 5-100ng.d	5	☑	100	98.6	98.6
b QC 100 (QC2).d	5	☑	100	94.4	94.4
b cal 6-250ng.d	6	☑	250	244.1	97.6
b QC 250 (QC 3).d	6	☑	250	243.6	97.4
b cal 7-500ng.d	7	☑	500	524.9	105.0
b cal 8-1000ng.d	8	☑	1000	1042.0	104.2
b QC 1000 (QC4).d	8	☑	1000	1077.7	107.8

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

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\060418 MDQ P1 P2 SP\QuantResults\060418 MDQP1b SP.batch.bin		
Analysis Time	6/6/2018 9:48 AM	**Analyst Name**	ISPUser
Report Time	6/6/2018 10:35 AM	**Reporter Name**	ISPUser
Last Calib Update	6/6/2018 9:48 AM	**Batch State**	Processed

Analysis Info

Acq Time	2018-06-04 22:00	**Data File**	b cal 1-5ng.d
Sample Type	Calibration	**Sample Name**	b cal 1-5ng.d
Dilution	1	**Acq Method**	MD Quant Panel 1b 12-12-17.m
Position	P1-H12	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28
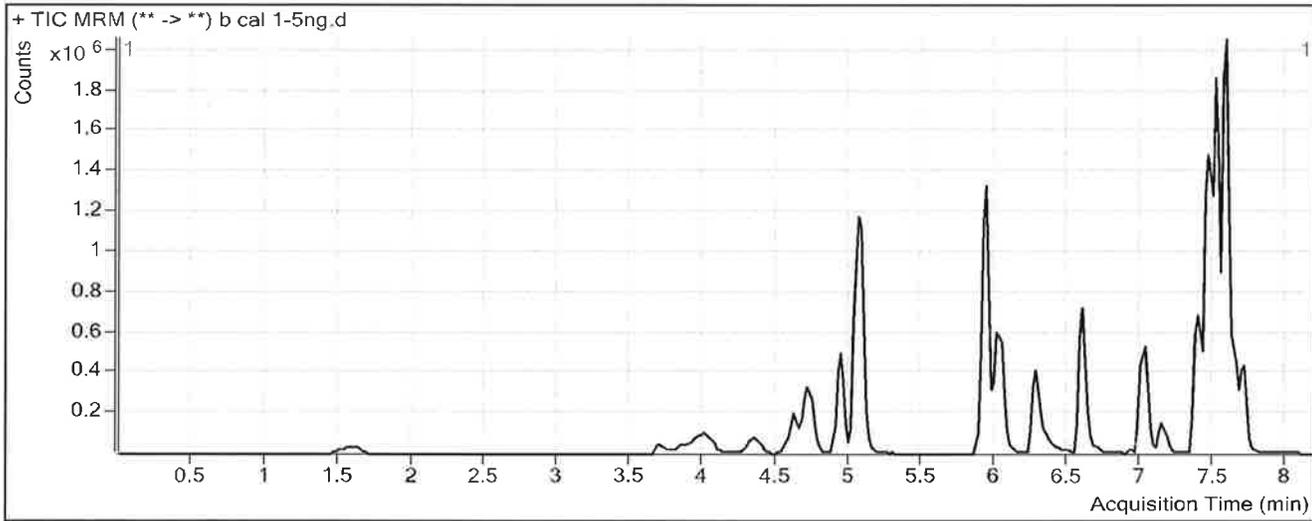
Sample Chromatogram

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

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.608	37877	317302	0.1194	6.1967
Dihydrocodeine	Dihydrocodeine-D6	3.915	32656	431774	0.0756	5.3717
Naloxone	Naloxone-D5	4.070	57572	883519	0.0652	5.2694
Noroxycodone	Noroxycodone-D3	4.399	54650	441483	0.1238	6.1860
Naltrexone	Naltrexone-D3	4.631	76146	799446	0.0952	5.0275
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.764	17036	1489871	0.0114	0.5374
Naltrexol	Naltrexol-D3	4.930	185046	1696623	0.1091	5.3567
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.076	443956	4514685	0.0983	4.1290
Ketamine	Ketamine-D4	5.921	237007	2219268	0.1068	4.9769
Norfentanyl	Norfentanyl-D5	5.964	21080	2879665	0.0073	0.6711
alpha-PVP	alpha-PVP-d8	6.288	155817	1831994	0.0851	5.1035
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.621	16500	2778368	0.0059	0.6168
Fentanyl	Fentanyl-D5	7.019	11428	1926032	0.0059	0.5237
EDDP	EDDP-D3	7.150	37125	432537	0.0858	5.3165
Sufentanil	Sufentanil-D5	7.379	11053	1159488	0.0095	0.6057
Quetiapine	Quetiapine-D8	7.380	389306	761006	0.5116	4.4989
Cyclobenzaprine	Cyclobenzaprine-D3	7.433	105883	924329	0.1146	5.5494
Methadone	Methadone-D9	7.463	430841	3769358	0.1143	4.9019
Fluoxetine	Fluoxetine-D6	7.504	338752	3215143	0.1054	5.5396

P

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxazepam	Oxazepam-D5	7.529	80024	1188685	0.0673	5.1893
Sertraline	Sertraline-D3	7.565	119334	1585871	0.0752	5.1581
Temazepam	Temazepam-D5	7.587	283048	3623380	0.0781	5.9896
Buprenorphine	Buprenorphine-D4	7.617	11238	796122	0.0141	1.2233
Nordiazepam	Nordiazepam-D5	7.655	154270	1011993	0.1524	4.9607
Diazepam	Diazepam-D5	7.712	95603	975268	0.0980	5.0087

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

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\060418 MDQ P1 P2 SP\QuantResults\060418 MDQP1b SP.batch.bin
Analysis Time	6/6/2018 9:48 AM **Analyst Name** ISPUser
Report Time	6/6/2018 10:35 AM **Reporter Name** ISPUser
Last Calib Update	6/6/2018 9:48 AM **Batch State** Processed

Analysis Info

Acq Time	2018-06-04 22:32	**Data File**	b cal 2-10ng.d
Sample Type	Calibration	**Sample Name**	b cal 2-10ng.d
Dilution	1	**Acq Method**	MD Quant Panel 1b 12-12-17.m
Position	P1-G12	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28
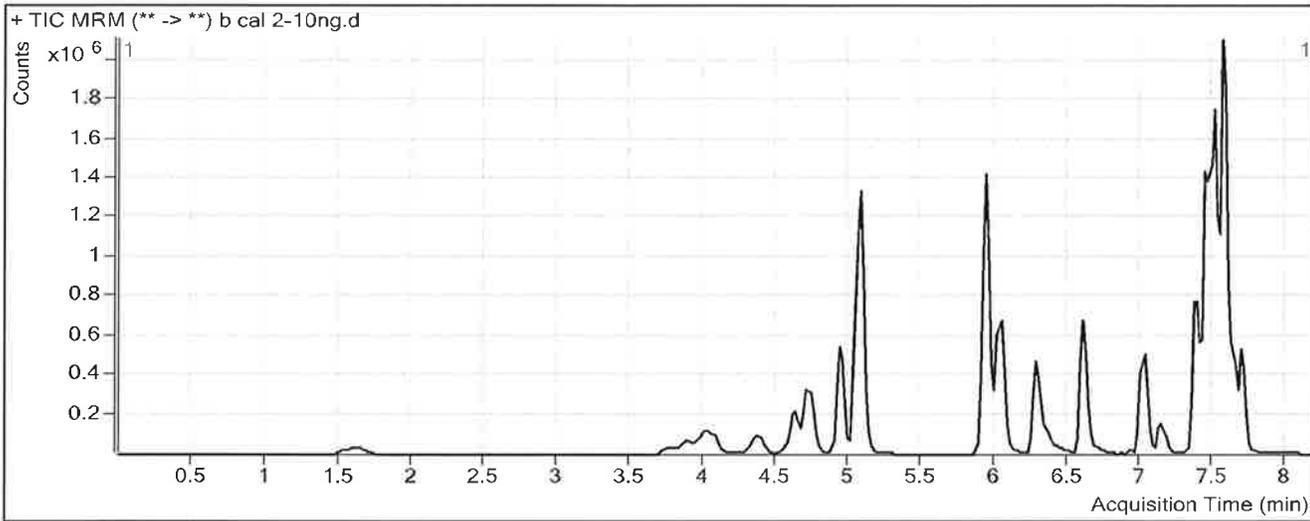
Sample Chromatogram

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.628	77792	309694	0.2512	10.1890
Dihydrocodeine	Dihydrocodeine-D6	3.915	70247	424340	0.1655	10.0228
Naloxone	Naloxone-D5	4.092	123833	851350	0.1455	9.4618
Noroxycodone	Noroxycodone-D3	4.399	116089	432285	0.2685	10.3875
Naltrexone	Naltrexone-D3	4.631	158966	766533	0.2074	10.0436
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.784	33694	1483294	0.0227	0.9230
Naltrexol	Naltrexol-D3	4.950	376033	1659000	0.2267	9.9313
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.076	892185	4427029	0.2015	9.3882
Ketamine	Ketamine-D4	5.941	484672	2093104	0.2316	10.1488
Norfentanyl	Norfentanyl-D5	5.964	45697	3015346	0.0152	1.0399
alpha-PVP	alpha-PVP-d8	6.288	327156	1854806	0.1764	9.7566
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.621	31679	2469288	0.0128	1.0386
Norbuprenorphine	Norbuprenorphine-D3	6.955	1020	61688	0.0165	1.0155
Fentanyl	Fentanyl-D5	7.039	25273	1795292	0.0141	0.9753
EDDP	EDDP-D3	7.150	68290	413617	0.1651	9.1766
Sufentanil	Sufentanil-D5	7.379	22253	995650	0.0224	1.1591
Quetiapine	Quetiapine-D8	7.380	698239	690860	1.0107	9.5363
Cyclobenzaprine	Cyclobenzaprine-D3	7.433	183590	732782	0.2505	10.4916
Methadone	Methadone-D9	7.463	779255	3175767	0.2454	10.1370

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.504	570687	2864152	0.1993	9.5383
Oxazepam	Oxazepam-D5	7.529	147512	1012146	0.1457	9.9165
Sertraline	Sertraline-D3	7.565	223770	1302583	0.1718	9.8655
Temazepam	Temazepam-D5	7.587	564989	3421037	0.1652	10.2856
Buprenorphine	Buprenorphine-D4	7.617	24042	716669	0.0335	1.6182
Nordiazepam	Nordiazepam-D5	7.655	306426	911179	0.3363	10.2969
Diazepam	Diazepam-D5	7.712	211643	889166	0.2380	10.2255

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

Batch Data Path   C:\MassHunter\Data\2018\MD Quant\060418 MDQ P1 P2 SP\QuantResults\060418 MDQP1b SP.batch.bin

Analysis Time	6/6/2018 9:48 AM	**Analyst Name**	ISPUser
Report Time	6/6/2018 10:36 AM	**Reporter Name**	ISPUser
Last Calib Update	6/6/2018 9:48 AM	**Batch State**	Processed

Analysis Info

Acq Time	2018-06-04 23:03	**Data File**	b cal 3-25ng.d
Sample Type	Calibration	**Sample Name**	b cal 3-25ng.d
Dilution	1	**Acq Method**	MD Quant Panel 1b 12-12-17.m
Position	P1-F12	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28
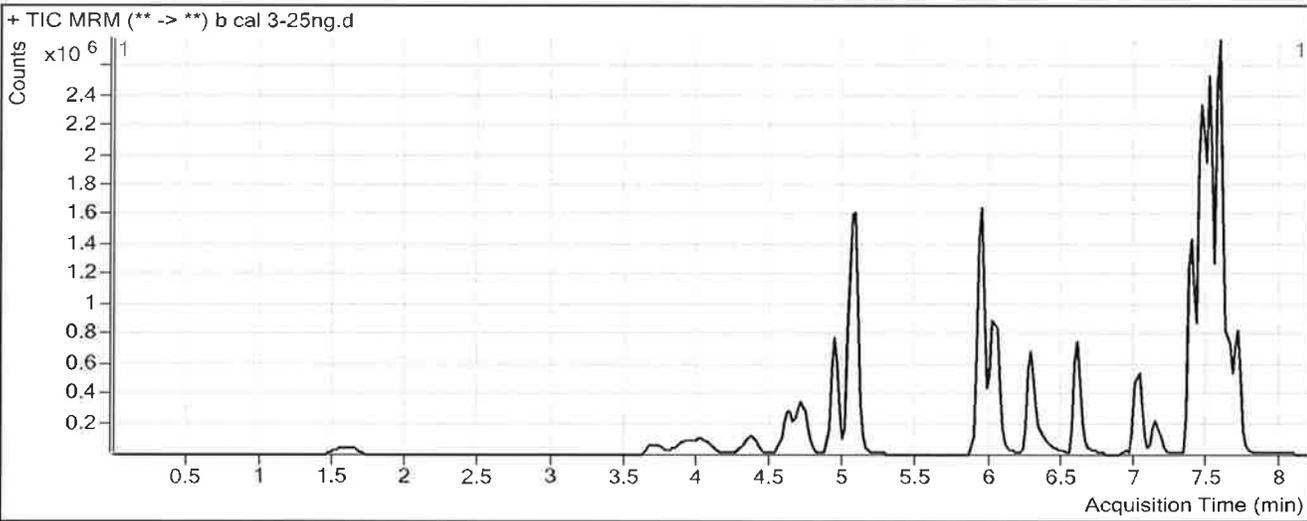
Sample Chromatogram

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

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.628	205677	316050	0.6508	22.2907
Dihydrocodeine	Dihydrocodeine-D6	3.735	183342	436152	0.4204	23.2046
Naloxone	Naloxone-D5	4.030	331652	831431	0.3989	22.6948
Noroxycodone	Noroxycodone-D3	4.399	306551	444628	0.6895	22.6036
Naltrexone	Naltrexone-D3	4.631	397483	763768	0.5204	24.0469
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.764	91676	1541833	0.0595	2.1787
Naltrexol	Naltrexol-D3	4.930	1013358	1688394	0.6002	24.4621
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.076	2348220	4601401	0.5103	25.1256
Ketamine	Ketamine-D4	5.921	1322254	2252703	0.5870	24.8819
Norfentanyl	Norfentanyl-D5	5.964	133733	3104422	0.0431	2.3542
alpha-PVP	alpha-PVP-d8	6.288	890778	1944352	0.4581	24.1117
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.601	88794	2586929	0.0343	2.3545
Norbuprenorphine	Norbuprenorphine-D3	6.935	2880	66735	0.0432	2.5455
Fentanyl	Fentanyl-D5	7.019	69948	1954112	0.0358	2.1794
EDDP	EDDP-D3	7.150	191814	423173	0.4533	23.2082
Sufentanil	Sufentanil-D5	7.379	53830	1135132	0.0474	2.2416
Quetiapine	Quetiapine-D8	7.380	2055769	788622	2.6068	25.6452
Cyclobenzaprine	Cyclobenzaprine-D3	7.433	592194	896352	0.6607	25.3973
Methadone	Methadone-D9	7.463	2282648	3583443	0.6370	25.7785

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.504	1776961	3397464	0.5230	23.3276
Oxazepam	Oxazepam-D5	7.529	322452	973390	0.3313	21.1001
Sertraline	Sertraline-D3	7.565	639600	1508578	0.4240	22.1624
Temazepam	Temazepam-D5	7.587	1476743	3374456	0.4376	23.7351
Buprenorphine	Buprenorphine-D4	7.637	65260	759957	0.0859	2.6816
Nordiazepam	Nordiazepam-D5	7.655	792978	945440	0.8387	24.8799
Diazepam	Diazepam-D5	7.712	579642	961297	0.6030	23.8249

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

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\060418 MDQ P1 P2 SP\QuantResults\060418 MDQP1b SP.batch.bin
Analysis Time	6/6/2018 9:48 AM **Analyst Name** ISPUser
Report Time	6/6/2018 10:36 AM **Reporter Name** ISPUser
Last Calib Update	6/6/2018 9:48 AM **Batch State** Processed

Analysis Info

Acq Time	2018-06-04 23:35	**Data File**	b cal 4-50ng.d
Sample Type	Calibration	**Sample Name**	b cal 4-50ng.d
Dilution	1	**Acq Method**	MD Quant Panel 1b 12-12-17.m
Position	P1-E12	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28
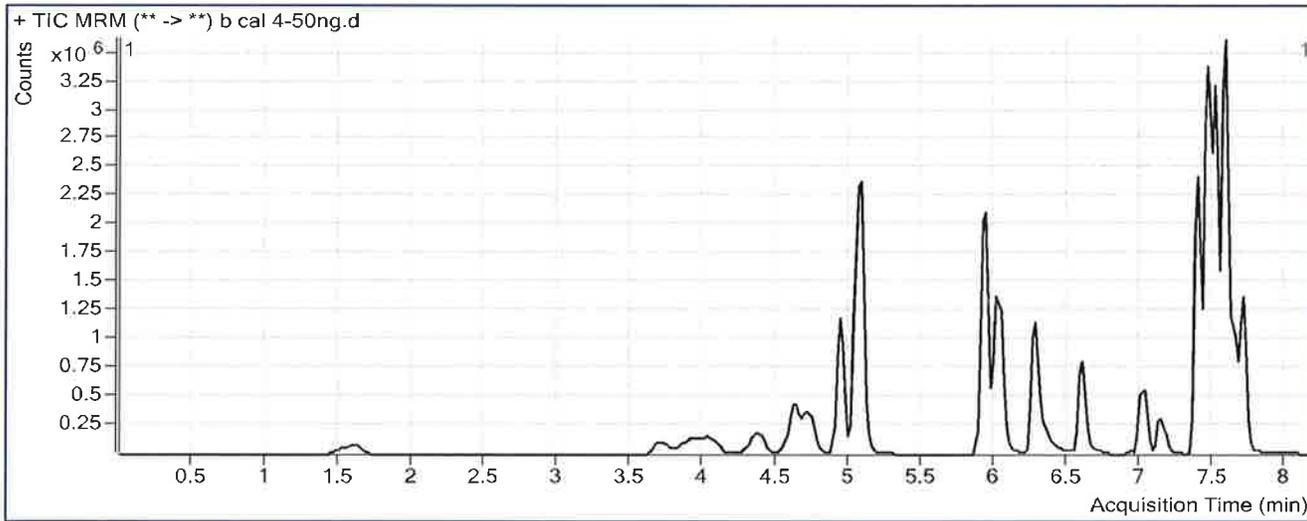
Sample Chromatogram

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

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.608	451848	313896	1.4395	46.1775
Dihydrocodeine	Dihydrocodeine-D6	3.735	407351	447939	0.9094	48.5020
Naloxone	Naloxone-D5	4.092	710163	838397	0.8470	46.0948
Noroxycodone	Noroxycodone-D3	4.399	665630	439821	1.5134	46.5177
Naltrexone	Naltrexone-D3	4.631	832592	753638	1.1048	50.1864
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.764	209244	1637607	0.1278	4.5135
Naltrexol	Naltrexol-D3	4.930	2127534	1762645	1.2070	48.0682
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.076	5108193	4885539	1.0456	52.4037
Ketamine	Ketamine-D4	5.921	2823498	2418953	1.1672	48.9367
Norfentanyl	Norfentanyl-D5	5.964	293016	3145915	0.0931	4.7106
alpha-PVP	alpha-PVP-d8	6.288	2093839	2165093	0.9671	50.0423
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.601	188665	2796080	0.0675	4.3839
Norbuprenorphine	Norbuprenorphine-D3	6.935	5661	68050	0.0832	4.8460
Fentanyl	Fentanyl-D5	7.019	146337	1906503	0.0768	4.4506
EDDP	EDDP-D3	7.150	432974	468107	0.9249	46.1750
Sufentanil	Sufentanil-D5	7.379	100260	1127476	0.0889	4.0335
Quetiapine	Quetiapine-D8	7.380	4170901	776229	5.3733	53.5665
Cyclobenzaprine	Cyclobenzaprine-D3	7.433	980920	844158	1.1620	43.6176
Methadone	Methadone-D9	7.463	4458139	3506442	1.2714	51.1172

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.504	3510770	3139814	1.1181	48.6733
Oxazepam	Oxazepam-D5	7.529	582666	744436	0.7827	48.3123
Sertraline	Sertraline-D3	7.565	1317344	1370430	0.9613	48.3611
Temazepam	Temazepam-D5	7.587	2860229	3209224	0.8913	46.1265
Buprenorphine	Buprenorphine-D4	7.637	136585	780458	0.1750	4.4930
Nordiazepam	Nordiazepam-D5	7.655	1495151	927146	1.6126	47.3416
Diazepam	Diazepam-D5	7.712	1254990	993724	1.2629	48.4163

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\060418 MDQ P1 P2 SP\QuantResults\060418 MDQP1b SP.batch.bin		
Analysis Time	6/6/2018 9:48 AM	**Analyst Name**	ISPUser
Report Time	6/6/2018 10:36 AM	**Reporter Name**	ISPUser
Last Calib Update	6/6/2018 9:48 AM	**Batch State**	Processed

Analysis Info

Acq Time	2018-06-05 00:06	**Data File**	b cal 5-100ng.d
Sample Type	Calibration	**Sample Name**	b cal 5-100ng.d
Dilution	1	**Acq Method**	MD Quant Panel 1b 12-12-17.m
Position	P1-D12	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28
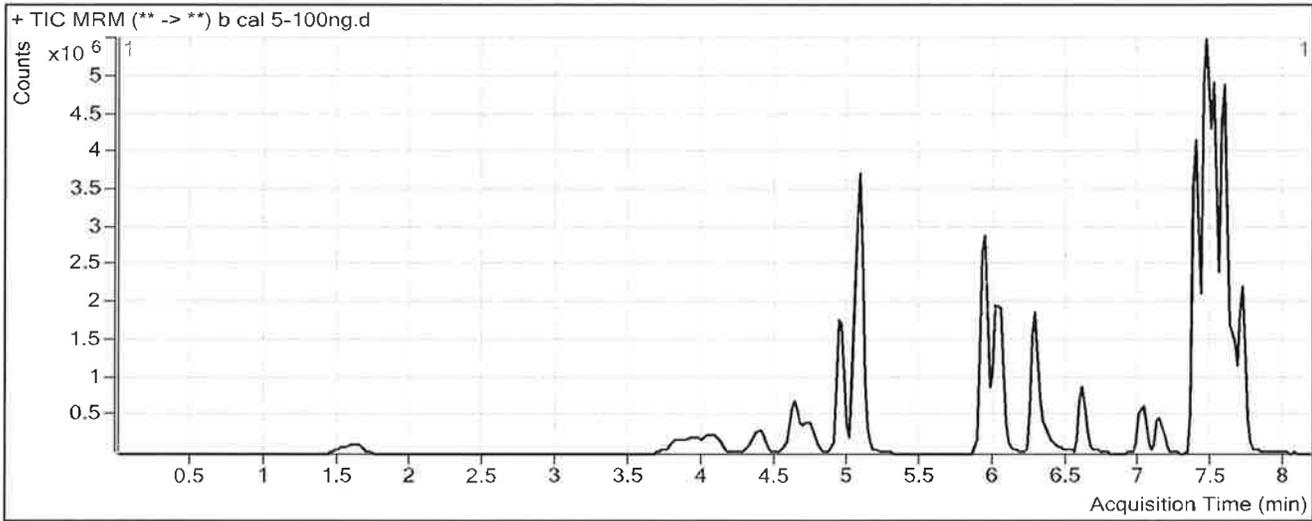
Sample Chromatogram

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

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.628	884987	296215	2.9877	93.0653
Dihydrocodeine	Dihydrocodeine-D6	3.935	820363	441837	1.8567	97.5068
Naloxone	Naloxone-D5	4.070	1364518	766806	1.7795	94.7809
Noroxycodone	Noroxycodone-D3	4.399	1270377	412521	3.0795	91.9721
Naltrexone	Naltrexone-D3	4.631	1500214	689058	2.1772	98.1597
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.784	427678	1593370	0.2684	9.3199
Naltrexol	Naltrexol-D3	4.950	4087614	1659757	2.4628	96.9192
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.076	9904949	4683195	2.1150	106.9055
Ketamine	Ketamine-D4	5.921	5642214	2372292	2.3784	99.1435
Norfentanyl	Norfentanyl-D5	5.964	594740	3046884	0.1952	9.5141
alpha-PVP	alpha-PVP-d8	6.288	3824175	2078899	1.8395	94.4917
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.621	403691	2725558	0.1481	9.3205
Norbuprenorphine	Norbuprenorphine-D3	6.935	9218	66202	0.1392	8.0667
Fentanyl	Fentanyl-D5	7.019	329658	1870863	0.1762	9.9646
EDDP	EDDP-D3	7.150	848010	433356	1.9568	96.4204
Sufentanil	Sufentanil-D5	7.379	223469	1057366	0.2113	9.3189
Quetiapine	Quetiapine-D8	7.380	8129012	772725	10.5199	105.5097
Cyclobenzaprine	Cyclobenzaprine-D3	7.433	2240594	868064	2.5811	95.1937
Methadone	Methadone-D9	7.463	8928879	3309883	2.6976	108.0811

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.504	6795766	2838536	2.3941	103.0158
Oxazepam	Oxazepam-D5	7.529	836412	498395	1.6782	102.2943
Sertraline	Sertraline-D3	7.565	2734604	1366641	2.0010	99.0581
Temazepam	Temazepam-D5	7.587	4682904	2614137	1.7914	90.5573
Buprenorphine	Buprenorphine-D4	7.617	284135	698974	0.4065	9.1976
Nordiazepam	Nordiazepam-D5	7.655	2590107	777472	3.3314	97.2283
Diazepam	Diazepam-D5	7.712	2387632	914639	2.6105	98.6303

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

Batch Data Path   C:\MassHunter\Data\2018\MD Quant\060418 MDQ P1 P2 SP\QuantResults\060418 MDQP1b SP.batch.bin

Analysis Time	6/6/2018 9:48 AM	**Analyst Name**	ISPUser
Report Time	6/6/2018 10:36 AM	**Reporter Name**	ISPUser
Last Calib Update	6/6/2018 9:48 AM	**Batch State**	Processed

Analysis Info

Acq Time	2018-06-05 00:38	**Data File**	b cal 6-250ng.d
Sample Type	Calibration	**Sample Name**	b cal 6-250ng.d
Dilution	1	**Acq Method**	MD Quant Panel 1b 12-12-17.m
Position	P1-C12	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28
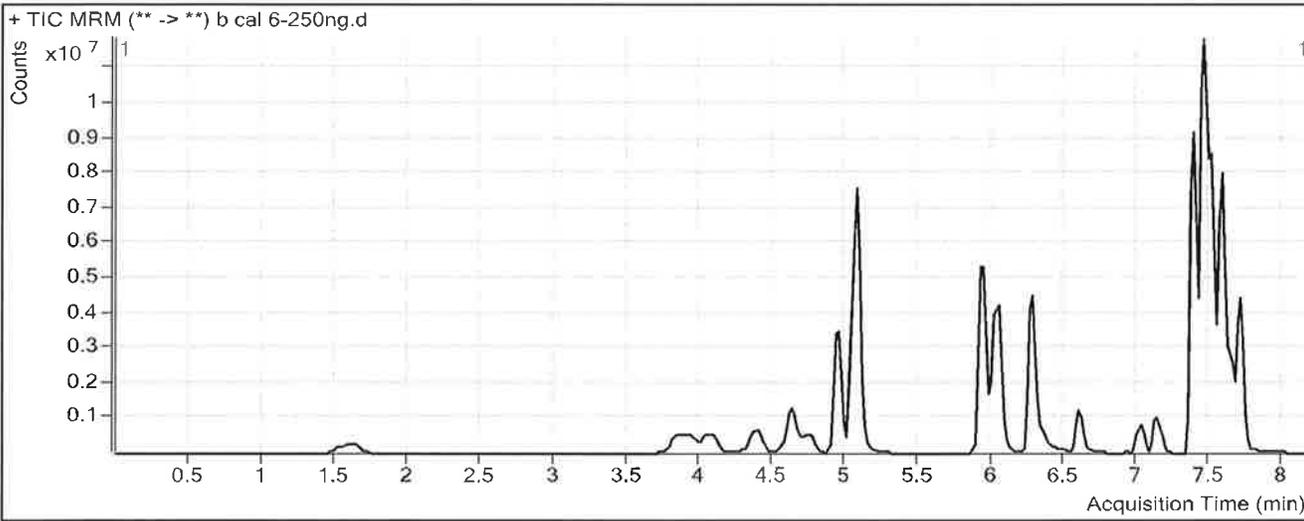
Sample Chromatogram

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

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.628	2203001	274817	8.0162	245.3609
Dihydrocodeine	Dihydrocodeine-D6	3.935	2167231	432993	5.0052	260.3800
Naloxone	Naloxone-D5	4.070	3187394	643928	4.9499	260.3222
Noroxycodone	Noroxycodone-D3	4.399	2940922	360970	8.1473	239.0550
Naltrexone	Naltrexone-D3	4.631	3116986	552599	5.6406	253.0885
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.784	1123374	1491209	0.7533	25.8927
Naltrexol	Naltrexol-D3	4.950	9620083	1487329	6.4680	252.7287
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.076	25031411	4630036	5.4063	274.6430
Ketamine	Ketamine-D4	5.921	14722982	2396599	6.1433	255.2140
Norfentanyl	Norfentanyl-D5	5.964	1450574	2979429	0.4869	23.2422
alpha-PVP	alpha-PVP-d8	6.288	10776328	2114966	5.0953	260.3689
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.621	1103609	2890698	0.3818	23.6252
Norbuprenorphine	Norbuprenorphine-D3	6.935	25604	58713	0.4361	25.1234
Fentanyl	Fentanyl-D5	7.019	801270	1761457	0.4549	25.4164
EDDP	EDDP-D3	7.150	2188071	420830	5.1994	254.3088
Sufentanil	Sufentanil-D5	7.379	525399	954831	0.5503	23.9512
Quetiapine	Quetiapine-D8	7.380	18994099	747087	25.4242	255.9334
Cyclobenzaprine	Cyclobenzaprine-D3	7.433	5313409	792483	6.7048	245.0604
Methadone	Methadone-D9	7.463	21507479	3195569	6.7304	269.1506

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.504	14892639	2531646	5.8826	251.5878
Oxazepam	Oxazepam-D5	7.529	993248	263810	3.7650	228.0873
Sertraline	Sertraline-D3	7.565	5406574	1007722	5.3651	263.0990
Temazepam	Temazepam-D5	7.587	9274242	1925545	4.8164	239.8760
Buprenorphine	Buprenorphine-D4	7.617	723321	651864	1.1096	23.4868
Nordiazepam	Nordiazepam-D5	7.655	4816103	561556	8.5764	249.4569
Diazepam	Diazepam-D5	7.712	5397902	828700	6.5137	244.0775

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

Batch Data Path   C:\MassHunter\Data\2018\MD Quant\060418 MDQ P1 P2 SP\QuantResults\060418 MDQP1b SP.batch.bin
Analysis Time   6/6/2018 9:48 AM   **Analyst Name**   ISPUser
Report Time   6/6/2018 10:36 AM   **Reporter Name**   ISPUser
Last Calib Update 6/6/2018 9:48 AM   **Batch State**   Processed

Analysis Info

**Acq Time**   #VALUE!   **Data File**   b cal 7-500ng.d
Sample Type   Calibration   **Sample Name**   b cal 7-500ng.d
Dilution   1   **Acq Method**   MD Quant Panel 1b 12-12-17.m
Position   P1-B12   **Sample Info**
Inj Vol   -1   **Comment**   AM 28
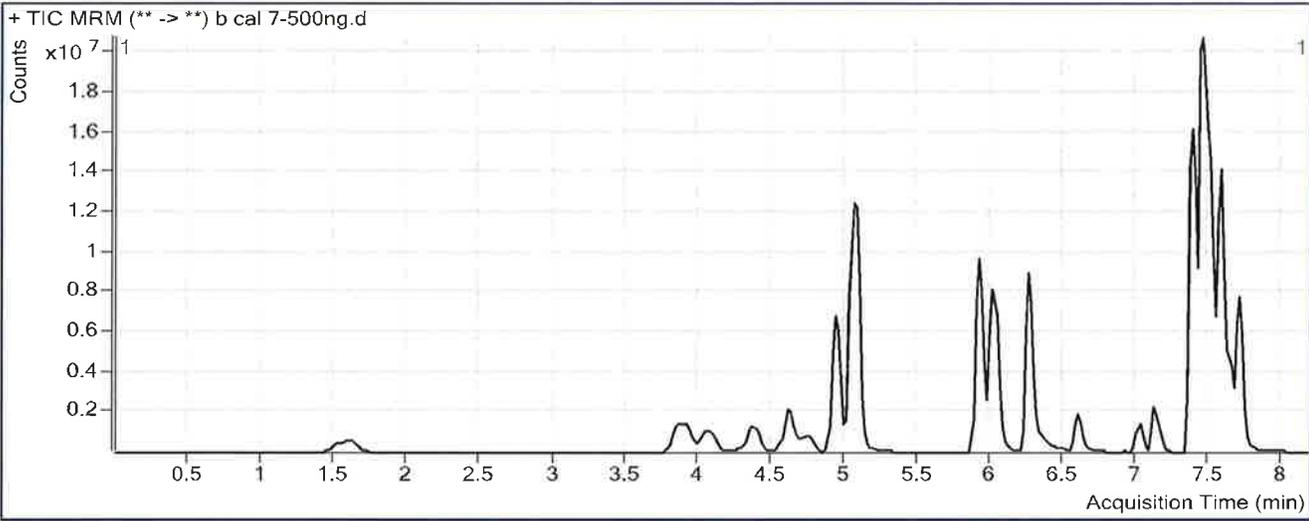
Sample Chromatogram

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

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.608	4905227	300004	16.3505	497.7728
Dihydrocodeine	Dihydrocodeine-D6	3.895	4600927	464771	9.8993	513.5524
Naloxone	Naloxone-D5	4.070	6039703	612836	9.8553	516.4536
Noroxycodone	Noroxycodone-D3	4.379	6018615	358144	16.8050	490.3321
Naltrexone	Naltrexone-D3	4.631	5567545	489055	11.3843	510.0232
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.764	2204532	1369184	1.6101	55.1741
Naltrexol	Naltrexol-D3	4.930	19868236	1509813	13.1594	513.0322
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.076	50145143	4662294	10.7555	547.2559
Ketamine	Ketamine-D4	5.921	29539893	2337004	12.6401	524.5324
Norfentanyl	Norfentanyl-D5	5.964	2826438	2489231	1.1355	53.7707
alpha-PVP	alpha-PVP-d8	6.268	20673838	2045522	10.1069	515.7047
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.601	2518056	3063797	0.8219	50.5672
Norbuprenorphine	Norbuprenorphine-D3	6.935	46808	50337	0.9299	53.4982
Fentanyl	Fentanyl-D5	7.019	1753319	1790714	0.9791	54.4824
EDDP	EDDP-D3	7.130	4938533	448878	11.0020	536.8477
Sufentanil	Sufentanil-D5	7.379	1379256	1173915	1.1749	50.9210
Quetiapine	Quetiapine-D8	7.380	36464753	757295	48.1513	485.3099
Cyclobenzaprine	Cyclobenzaprine-D3	7.433	10900666	785335	13.8803	505.8434
Methadone	Methadone-D9	7.463	42061842	3530452	11.9140	476.1850

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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.504	27952410	2401057	11.6417	496.8648
Oxazepam	Oxazepam-D5	7.529	1902060	214392	8.8719	535.9309
Sertraline	Sertraline-D3	7.565	10891253	1047034	10.4020	508.7015
Temazepam	Temazepam-D5	7.587	16511699	1595122	10.3514	513.0852
Buprenorphine	Buprenorphine-D4	7.617	1434267	595782	2.4074	49.8604
Nordiazepam	Nordiazepam-D5	7.655	7258530	391799	18.5262	538.2405
Diazepam	Diazepam-D5	7.712	10243151	729050	14.0500	524.9048

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\060418 MDQ P1 P2 SP\QuantResults\060418 MDQP1b SP.batch.bin		
Analysis Time	6/6/2018 9:48 AM	**Analyst Name**	ISPUser
Report Time	6/6/2018 10:36 AM	**Reporter Name**	ISPUser
Last Calib Update	6/6/2018 9:48 AM	**Batch State**	Processed

Analysis Info

Acq Time	2018-06-05 01:41	**Data File**	b cal 8-1000ng.d
Sample Type	Calibration	**Sample Name**	b cal 8-1000ng.d
Dilution	1	**Acq Method**	MD Quant Panel 1b 12-12-17.m
Position	P1-A12	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28
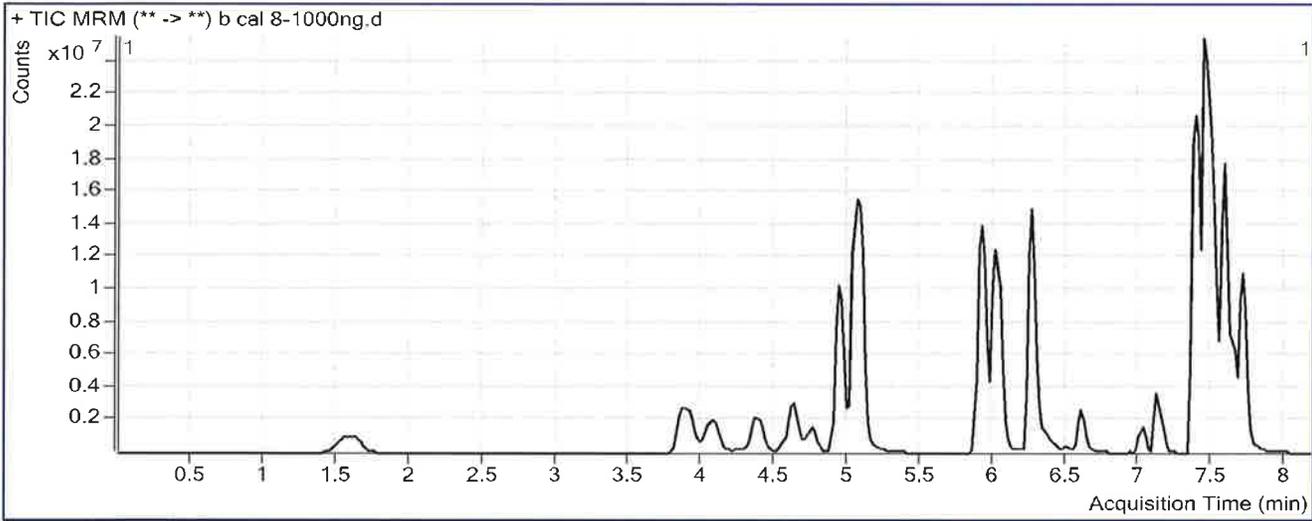
Sample Chromatogram

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

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.608	9246660	275535	33.5590	1018.9472
Dihydrocodeine	Dihydrocodeine-D6	3.895	8271084	436595	18.9445	981.4596
Naloxone	Naloxone-D5	4.070	10672518	486098	21.9555	1148.2509
Noroxycodone	Noroxycodone-D3	4.379	9995206	281549	35.5008	1032.9460
Naltrexone	Naltrexone-D3	4.631	8500996	376594	22.5734	1010.5470
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.764	4269810	1262992	3.3807	115.6869
Naltrexol	Naltrexol-D3	4.930	32392137	1274902	25.4076	989.5015
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.056	73132783	4046677	18.0723	920.1491
Ketamine	Ketamine-D4	5.921	48649978	2114369	23.0092	954.3765
Norfentanyl	Norfentanyl-D5	5.964	4786742	2017802	2.3723	111.9838
alpha-PVP	alpha-PVP-d8	6.268	35496649	1773484	20.0152	1020.5236
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.601	4159559	2500408	1.6636	102.0935
Norbuprenorphine	Norbuprenorphine-D3	6.935	66627	34338	1.9403	111.5585
Fentanyl	Fentanyl-D5	7.019	2409616	1202797	2.0033	111.2713
EDDP	EDDP-D3	7.130	8308441	364159	22.8154	1112.0727
Sufentanil	Sufentanil-D5	7.379	1884585	801049	2.3526	101.7690
Quetiapine	Quetiapine-D8	7.380	45812259	595863	76.8838	775.2973
Cyclobenzaprine	Cyclobenzaprine-D3	7.433	13210803	476571	27.7206	1008.8466
Methadone	Methadone-D9	7.463	51512480	2442581	21.0894	842.6507

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.504	27818013	1184276	23.4895	1001.4529
Oxazepam	Oxazepam-D5	7.529	3194190	167150	19.1098	1153.0740
Sertraline	Sertraline-D3	7.565	11155043	510136	21.8668	1067.7375
Temazepam	Temazepam-D5	7.587	25470354	1246997	20.4254	1010.3447
Buprenorphine	Buprenorphine-D4	7.617	1950001	340764	5.7224	117.2310
Nordiazepam	Nordiazepam-D5	7.655	9398369	275811	34.0753	989.5409
Diazepam	Diazepam-D5	7.712	15739431	563615	27.9259	1041.9647