

Boyle

Worklist: 2213

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>
P2018-0056	1	108457	AM 28 Blood Multi-Drug Quant



TS

Multi-Drug Quantitation in Blood by LC-MS/M

Extraction Date: 02/20/18
Plate lot#: 0507680

Analyst: Tamara Salazar
Plate Expiration: 06/05/2018

Mobile phase A: 5mM Amm Form + 0.01% FA
0.5M Ammonium Hydroxide
20% Methanol in Water

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

Blank Blood Lot: Hemostat 361331-2
LCMS-QQQ ID: 59740

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

Pre-Analytic:

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

Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Pipette **250µL blood (calibrated pipette) Pipette ID: 3** in wells of analytical (standards) plate.
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. *Shaker ID:067105*
- 4. Pipette **250µL 0.5M ammonium hydroxide** in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **300µL of blood+base** mixture to corresponding wells of SLE+ plate.
- 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent). **(Load at 85-100 PSI- Selector to the right)** Manifold ID: 067104
- 8. Wait 5 minutes.
- 9. Add **900uL ethyl acetate**.
- 10. Wait 5 minutes.
- 11. Apply positive pressure for approx. 15 seconds. **(10-15 PSI- Selector to the left)**.
- 12. Add **900uL ethyl acetate**.
- 13. Wait 5 minutes.
- 14. Apply positive pressure for approx. 15 seconds. **(10-15 PSI- Selector to the left)**.
- 15. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C. *SPE Dry ID: 067103*
- 16. Reconstitute in **100µL 20% MeOH** and heat seal plate with foil. Place in autosampler and run worklist.

Extraction was performed with Sarah Pickle acting as the primary technician. I witnessed and approved of all work. - TS

Post-Analytic

- 1. Create batch and process data.
Worklist path: *C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP*
Batch Name: *MDQ P1b 022018 TS.batch.bin*
- 2. Make necessary changes to integration limits
- 3. Integration linear and r^2 values ≥ 0.98 for each analyte.
- 4. For unknown samples and controls: response ratio within 20% of average of controls and standards, RT within +/- 5%, S/N for primary and secondary transitions > 10 .
- 5. Did all QCs pass for each analyte? Y / N _____
- 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

Comments

Not evaluated: Buprenorphine, Norbuprenorphine
Curves limited: Norfentanyl: 2.5-100, Fentanyl: 1-100

* Extraction performed with Sarah Pickle. I pipetted my own samples, and then witnessed all work performed. - TS

Toxicology AM method 28 panel 1 external prep information

Working Solution 10000 ng/ml in MeOH trazodone, ketamine, morphine, quetiapine

Stock Solution 1mg/ml 100 ul each in 9600 ul MeOH (Fisher Lot # 172516)

Prepared: 12/12/17

Expires: ~~06/22/17~~

By: TNS

~~06/12/18~~ TS

Drug	Lot	Expiration
Trazodone	FN12151403	1/1/2020
Ketamine	FE01131504	2/1/2020
Morphine	FE08141515	11/1/2020
Quetiapine	FN02021502	2/1/2020

AM 28 control 50 ul working solution lot (W5121217) in 9950ul blood (Hemostat Lot# 361331-2)

Prepared: 12/12/17

Expires: ~~06/22/17~~

By: TNS

~~06/12/18~~ TS

TS

ISP FORENSICS - Pocatello Instrument # 59740

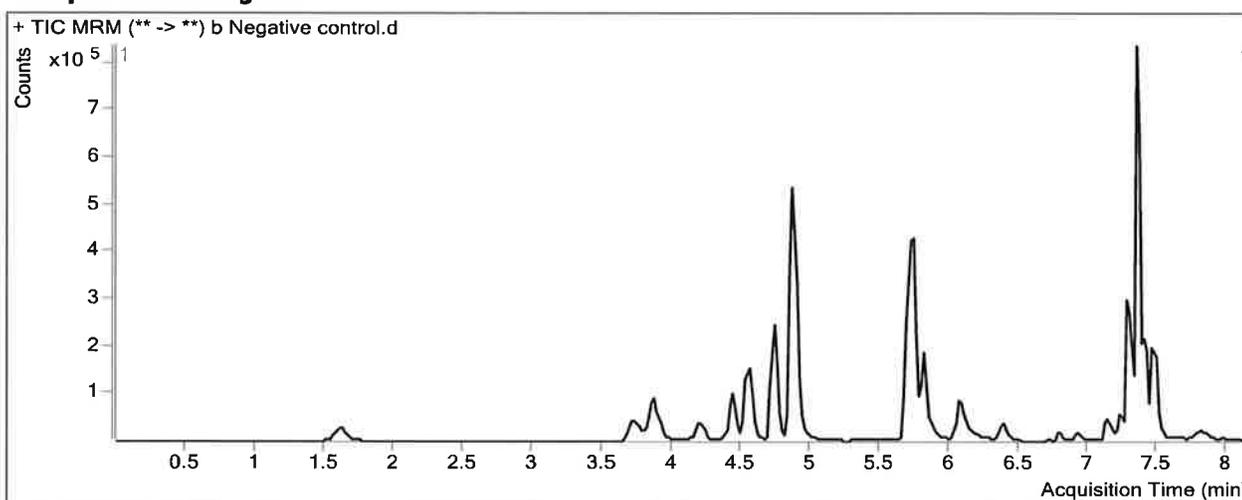
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P1b 022018 TS.b
Analysis Time 2/26/2018 8:38 AM **Analyst Name** ISPUser
Report Time 2/26/2018 8:41 AM **Reporter Name** ISPUser
Last Calib Update 2/26/2018 8:38 AM **Batch State** Processed

Analysis Info

Acq Time 2018-02-21 08:52 **Data File** b Negative control.d
Sample Type Sample **Sample Name** b Negative control
Dilution 1 **Acq Method** MD Quant Panel 1b 12-12-17.m
Position P1-E2 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Naltrexol	Naltrexol-D3	4.429	11477	769324	0.0149	1.1584 < 5
Fluoxetine	Fluoxetine-D6	7.304	1682	86014	0.0196	2.6158 < 25
Buprenorphine	Buprenorphine-D4	7.516	2704	30690	0.0881	4.3978 - Not evaluated

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

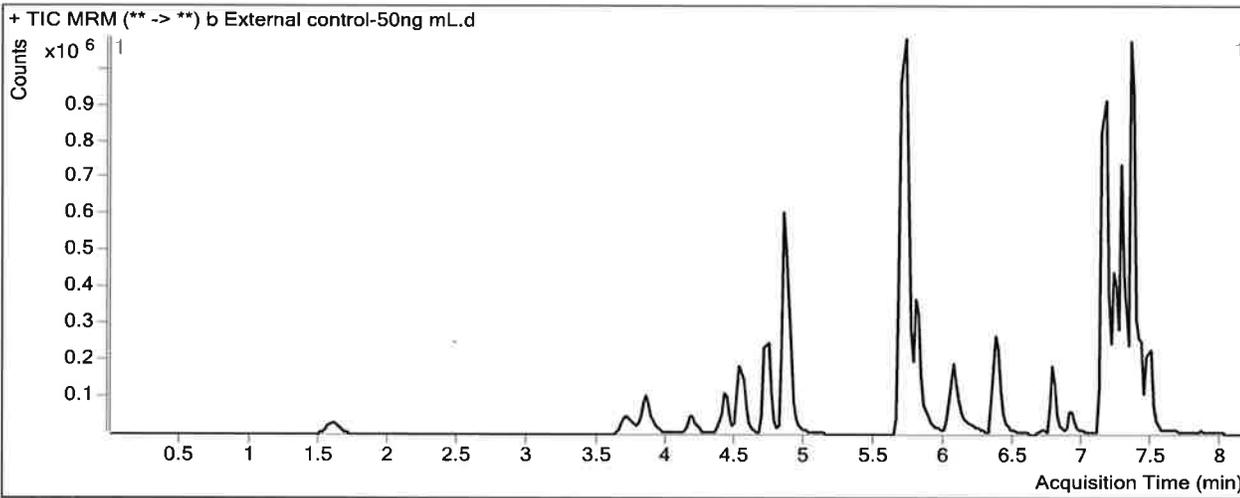
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Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P1b 022018 TS.b
Analysis Time 2/26/2018 8:38 AM **Analyst Name** ISPUser
Report Time 2/26/2018 8:42 AM **Reporter Name** ISPUser
Last Calib Update 2/26/2018 8:38 AM **Batch State** Processed

Analysis Info

Acq Time 2018-02-21 09:24 **Data File** b External control-50ng mL.d
Sample Type Sample **Sample Name** b External control-50ng mL
Dilution 1 **Acq Method** MD Quant Panel 1b 12-12-17.m
Position P1-F2 **Sample Info**
Inj Vol -1 **Comment** AM 28; WS121217 50 ng trazodone, ketamine, morphine, quetiapine

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Naltrexol	Naltrexol-D3	4.429	11748	855828	0.0137	1.1108 <5
<u>Ketamine</u>	Ketamine-D4	5.701	1572564	1181835	1.3306	<u>57.4484</u>
<u>Quetiapine</u>	Quetiapine-D8	7.159	1518713	355713	4.2695	<u>41.0845</u>
<u>Sufentanil</u>	Sufentanil-D5	7.158	677	380320	0.0018	0.2711 <0.5
Fluoxetine	Fluoxetine-D6	7.304	2562	962444	0.0027	1.9092 <25
Buprenorphine	Buprenorphine-D4	7.496	2148	270375	0.0079	3.1828 --Not exact

TS

ISP FORENSICS - Pocatello Instrument # 59740

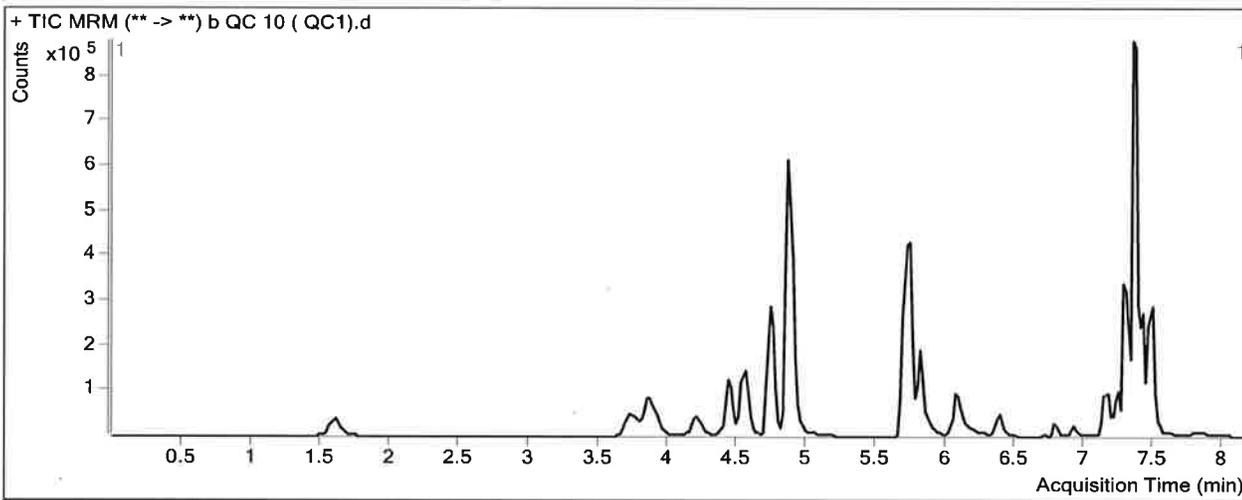
Multi-Drug Confirmatory Analysis Report

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Analysis Time 2/26/2018 8:38 AM **Analyst Name** ISPUser
Report Time 2/26/2018 8:42 AM **Reporter Name** ISPUser
Last Calib Update 2/26/2018 8:38 AM **Batch State** Processed

Analysis Info

Acq Time 2018-02-21 10:27 **Data File** b QC 10 (QC1).d
Sample Type QC **Sample Name** b QC 10 (QC1)
Dilution 1 **Acq Method** MD Quant Panel 1b 12-12-17.m
Position P1-A2 **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	1.608	51206	193890	0.2641	9.8018
Dihydrocodeine	Dihydrocodeine-D6	3.775	35226	223797	0.1574	9.0924
Naloxone	Naloxone-D5	3.930	70681	487888	0.1449	9.2652
Noroxycodone	Noroxycodone-D3	4.239	39793	152292	0.2613	8.7002
Naltrexone	Naltrexone-D3	4.452	76306	383233	0.1991	9.7415
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.603	11979	541963	0.0221	0.9026
Naltrexol	Naltrexol-D3	4.749	171420	748580	0.2290	9.7118
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	4.878	355074	1726835	0.2056	9.6128
Ketamine	Ketamine-D4	5.719	175548	850537	0.2064	9.3974
Norfentanyl	Norfentanyl-D5	5.762	12926	799182	0.0162	1.2677
alpha-PVP	alpha-PVP-d8	6.087	72580	388922	0.1866	9.1462
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.378	2160	168849	0.0128	0.9203
Norbuprenorphine	Norbuprenorphine-D3	6.712	164	4764	0.0345	1.4083
Fentanyl	Fentanyl-D5	6.800	1649	96835	0.0170	1.2784
EDDP	EDDP-D3	6.930	10168	50755	0.2003	10.4605
Quetiapine	Quetiapine-D8	7.159	105079	102565	1.0245	10.3934
Sufentanil	Sufentanil-D5	7.158	1630	61522	0.0265	1.3321
Cyclobenzaprine	Cyclobenzaprine-D3	7.212	9605	49306	0.1948	8.2468
Methadone	Methadone-D9	7.242	41836	187299	0.2234	9.1662

*Not evaluated
* Peak cut off
outside curve
range*

TS

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

b QC 10 (QC1)

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.284	38416	178282	0.2155	10.8130
Oxazepam	Oxazepam-D5	7.308	99818	656684	0.1520	9.6088
Sertraline	Sertraline-D3	7.345	17361	82855	0.2095	9.2952
Temazepam	Temazepam-D5	7.367	334575	1964679	0.1703	10.2174
Buprenorphine	Buprenorphine-D4	7.396	1209	44338	0.0273	3.4757 Not evaluated
Nordiazepam	Nordiazepam-D5	7.434	142027	446949	0.3178	9.5454
Diazepam	Diazepam-D5	7.490	107753	444628	0.2423	9.4266

TS

ISP FORENSICS - Pocatello Instrument # 59740

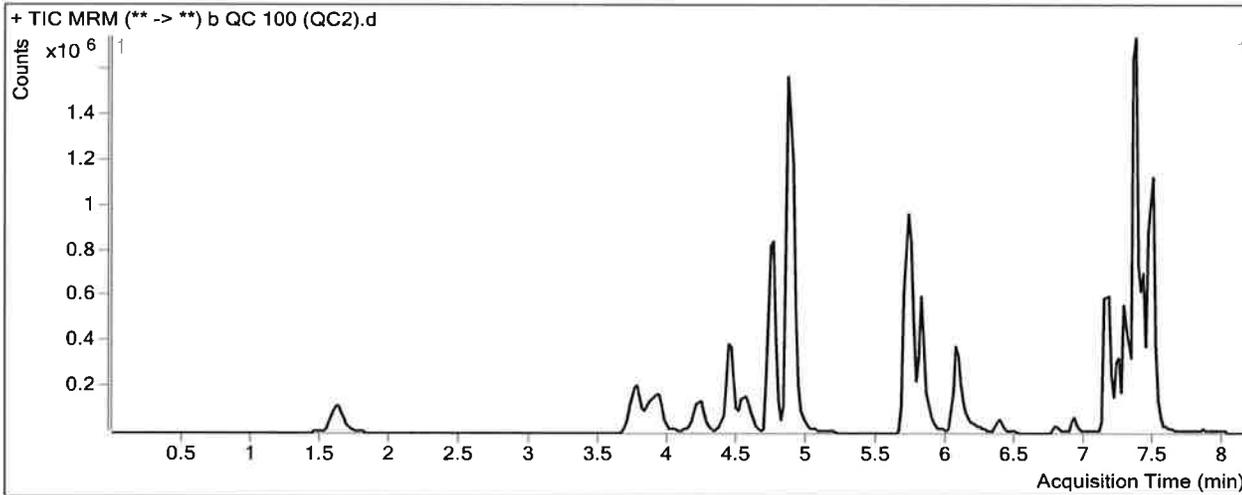
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P1b 022018 TS.b
Analysis Time 2/26/2018 8:38 AM **Analyst Name** ISPUser
Report Time 2/26/2018 8:42 AM **Reporter Name** ISPUser
Last Calib Update 2/26/2018 8:38 AM **Batch State** Processed

Analysis Info

Acq Time 2018-02-21 12:17 **Data File** b QC 100 (QC2).d
Sample Type QC **Sample Name** b QC 100 (QC2)
Dilution 1 **Acq Method** MD Quant Panel 1b 12-12-17.m
Position P1-B2 **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	539171	177366	3.0399	99.6249
Dihydrocodeine	Dihydrocodeine-D6	3.775	383845	217665	1.7635	101.2147
Naloxone	Naloxone-D5	3.930	696927	420055	1.6591	95.1324
Noroxycodone	Noroxycodone-D3	4.239	388828	131156	2.9646	86.4603
Naltrexone	Naltrexone-D3	4.452	752777	337995	2.2272	103.5346
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.603	134661	533771	0.2523	9.2968
Naltrexol	Naltrexol-D3	4.749	1709065	707403	2.4160	97.0917
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	4.878	3627382	1661202	2.1836	97.4815
Ketamine	Ketamine-D4	5.719	1872050	832982	2.2474	96.6338
Norfentanyl	Norfentanyl-D5	5.762	176599	841852	0.2098	10.0854
alpha-PVP	alpha-PVP-d8	6.067	905186	403722	2.2421	100.2007
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.378	22583	147496	0.1531	10.1467
Norbuprenorphine	Norbuprenorphine-D3	6.712	883	4699	0.1879	9.6742
Fentanyl	Fentanyl-D5	6.800	17056	89148	0.1913	9.4534
EDDP	EDDP-D3	6.930	122055	54779	2.2281	96.6498
Quetiapine	Quetiapine-D8	7.159	1193168	108747	10.9719	104.4761
Sufentanil	Sufentanil-D5	7.158	10930	53620	0.2038	8.9462
Cyclobenzaprine	Cyclobenzaprine-D3	7.212	113251	50579	2.2391	85.1246
Methadone	Methadone-D9	7.242	472641	181113	2.6096	102.1182

Not evaluated

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

TS

b (QC 100 (QC2))

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.284	316647	137855	2.2970	97.8980
Oxazepam	Oxazepam-D5	7.308	455345	319285	1.4261	79.2617
Sertraline	Sertraline-D3	7.345	139677	64381	2.1695	88.0039
Temazepam	Temazepam-D5	7.367	2589053	1447187	1.7890	92.5969
Buprenorphine	Buprenorphine-D4	7.396	16013	37552	0.4264	9.5261 Not evaluated
Nordiazepam	Nordiazepam-D5	7.434	1137969	347351	3.2761	90.7410
Diazepam	Diazepam-D5	7.490	1029386	405305	2.5398	93.9706

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

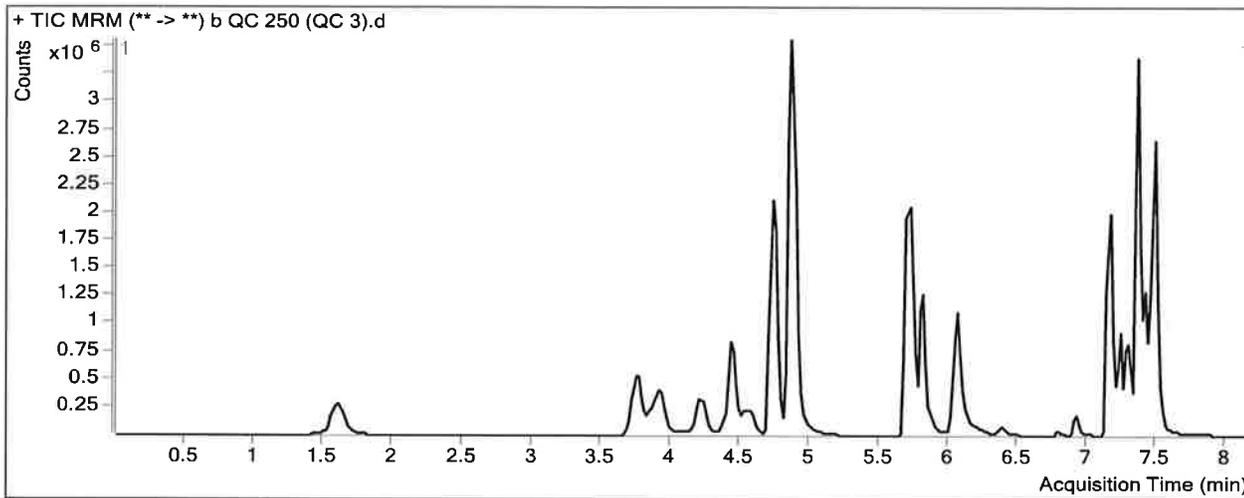
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Analysis Time 2/26/2018 8:38 AM **Analyst Name** ISPUser
Report Time 2/26/2018 8:42 AM **Reporter Name** ISPUser
Last Calib Update 2/26/2018 8:38 AM **Batch State** Processed

Analysis Info

Acq Time 2018-02-21 15:26 **Data File** b QC 250 (QC 3).d
Sample Type QC **Sample Name** b QC 250 (QC 3)
Dilution 1 **Acq Method** MD Quant Panel 1b 12-12-17.m
Position P1-C2 **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	1.608	1515933	194432	7.7967	253.5547
Dihydrocodeine	Dihydrocodeine-D6	3.775	1067501	243121	4.3908	251.9174
Naloxone	Naloxone-D5	3.909	1813942	426420	4.2539	242.2701
Noroxycodone	Noroxycodone-D3	4.219	1021178	134406	7.5977	219.7289
Naltrexone	Naltrexone-D3	4.432	1847714	346435	5.3335	247.1939
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.603	397211	598615	0.6636	24.2949
Naltrexol	Naltrexol-D3	4.729	4799127	788907	6.0833	243.6172
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	4.878	10358271	1842666	5.6214	250.1995
Ketamine	Ketamine-D4	5.701	5386912	906632	5.9417	254.5334
Norfentanyl	Norfentanyl-D5	5.742	517247	1009044	0.5126	23.8783
alpha-PVP	alpha-PVP-d8	6.067	2657356	481694	5.5167	245.2597
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.378	61711	161329	0.3825	25.2320
Norbuprenorphine	Norbuprenorphine-D3	6.712	2395	4435	0.5402	28.6542 <i>Not evaluated</i>
Fentanyl	Fentanyl-D5	6.800	39042	85225	0.4581	21.9663
EDDP	EDDP-D3	6.930	370129	64944	5.6992	244.1850
Quetiapine	Quetiapine-D8	7.159	3655077	135578	26.9592	255.6840
Sufentanil	Sufentanil-D5	7.158	27875	48758	0.5717	24.7385
Cyclobenzaprine	Cyclobenzaprine-D3	7.212	306737	48144	6.3713	240.5193
Methadone	Methadone-D9	7.242	1373722	208804	6.5790	256.7355

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

TS

b QC 250 (QC3)

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.284	766482	129407	5.9230	249.6058
Oxazepam	Oxazepam-D5	7.308	770007	191253	4.0261	221.3940
Sertraline	Sertraline-D3	7.345	379518	60139	6.3107	254.2987
Temazepam	Temazepam-D5	7.367	5502982	1232955	4.4632	228.6920
Buprenorphine	Buprenorphine-D4	7.396	42900	36516	1.1748	20.8698 Not evaluated
Nordiazepam	Nordiazepam-D5	7.434	2043900	273086	7.4845	206.2432
Diazepam	Diazepam-D5	7.490	2566656	405616	6.3278	233.3668

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

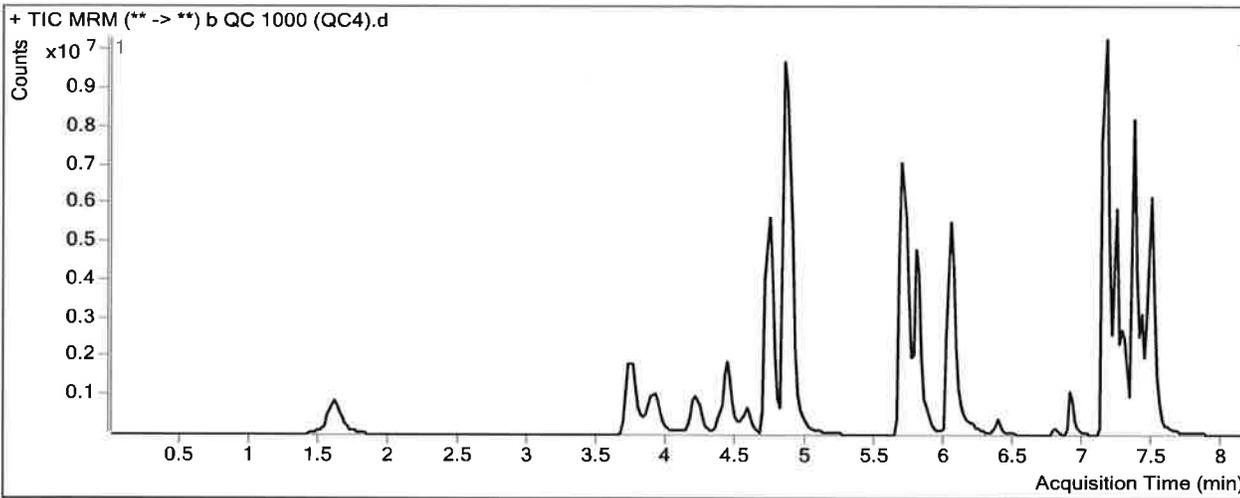
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Batch Data Path	C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P1b 022018 TS.b		
Analysis Time	2/26/2018 8:38 AM	Analyst Name	ISPUser
Report Time	2/26/2018 8:42 AM	Reporter Name	ISPUser
Last Calib Update	2/26/2018 8:38 AM	Batch State	Processed

Analysis Info

Acq Time	2018-02-21 17:31	Data File	b QC 1000 (QC4).d
Sample Type	QC	Sample Name	b QC 1000 (QC4)
Dilution	1	Acq Method	MD Quant Panel 1b 12-12-17.m
Position	P1-D2	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	1.608	5230717	163413	32.0092	1037.0602
Dihydrocodeine	Dihydrocodeine-D6	3.755	3900560	228360	17.0808	979.8013
Naloxone	Naloxone-D5	3.909	5263425	280769	18.7464	1064.0815
Noroxycodone	Noroxycodone-D3	4.219	4100506	106354	38.5554	1110.2108
Naltrexone	Naltrexone-D3	4.432	4766107	227788	20.9234	968.1854
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.583	1655701	551303	3.0033	109.6192
Naltrexol	Naltrexol-D3	4.729	15337023	644208	23.8076	951.7865
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	4.858	36784011	1632137	22.5373	1001.6702
Ketamine	Ketamine-D4	5.701	21487414	860946	24.9579	1067.3213
Norfentanyl	Norfentanyl-D5	5.742	2189323	895578	2.4446	111.8723
alpha-PVP	alpha-PVP-d8	6.047	13003639	562633	23.1121	1024.7090
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.378	527439	303863	1.7358	114.2172
Norbuprenorphine	Norbuprenorphine-D3	6.712	11092	5526	2.0073	107.7085
Fentanyl	Fentanyl-D5	6.800	285821	137261	2.0823	98.1470
EDDP	EDDP-D3	6.910	2327592	103180	22.5586	960.7758
Quetiapine	Quetiapine-D8	7.159	20097237	207625	96.7958	916.1990
Sufentanil	Sufentanil-D5	7.158	225926	99159	2.2784	98.0116
Cyclobenzaprine	Cyclobenzaprine-D3	7.212	1997515	73782	27.0733	1019.0375
Methadone	Methadone-D9	7.242	9567251	362994	26.3565	1027.1205

Not evaluated

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

TS

b QC 1000 (QC4)

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.284	3428317	146725	23.3656	979.3719
Oxazepam	Oxazepam-D5	7.308	1775641	102998	17.2396	943.7345
Sertraline	Sertraline-D3	7.345	1701001	71215	23.8853	960.0463
Temazepam	Temazepam-D5	7.367	13920763	745328	18.6774	952.0691
Buprenorphine	Buprenorphine-D4	7.396	240913	41067	5.8663	91.9808 Not evaluated.
Nordiazepam	Nordiazepam-D5	7.434	4698658	147660	31.8207	874.1798
Diazepam	Diazepam-D5	7.490	6673985	287613	23.2047	854.4246

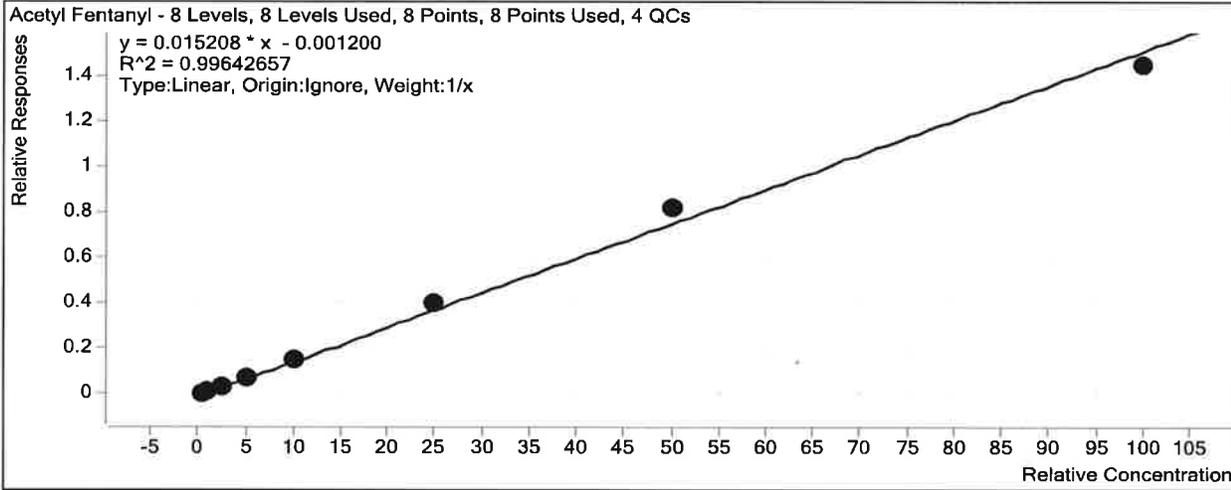
ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ
P1b 022018 TS.batch.bin

Last Calib Update 2/26/2018 8:38 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	0.5	0.6	110.9
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	0.9	85.1
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	1	0.9	92.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.5	98.7
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.9	98.6
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.9	98.8
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	10	10.1	101.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	26.3	105.1
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	25	25.2	100.9
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	53.9	107.8
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	95.1	95.1
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	100	114.2	114.2

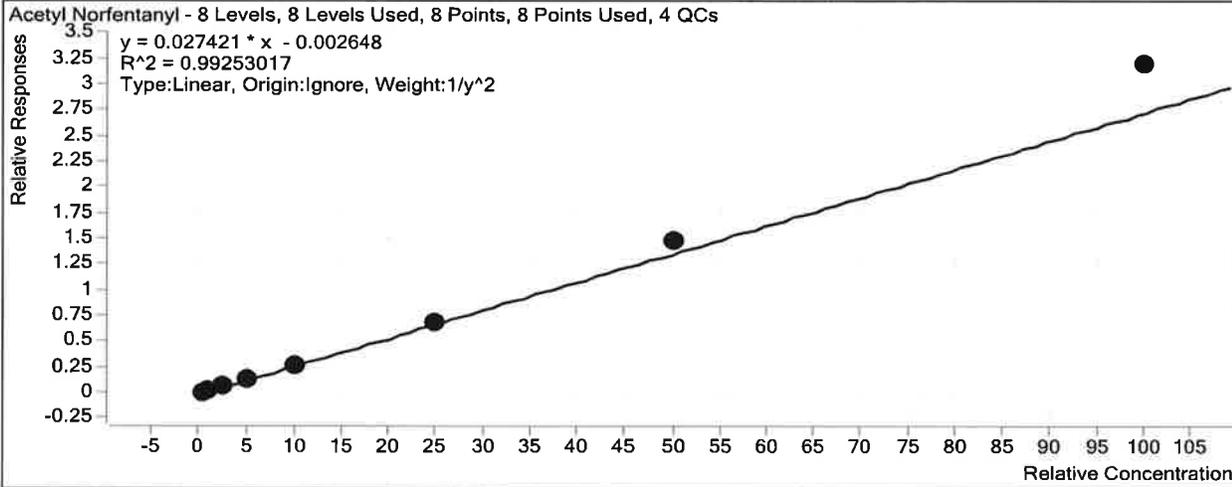
ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ
P1b 022018 TS.batch.bin

Last Calib Update 2/26/2018 8:38 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	0.5	0.5	103.2
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.0	96.5
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	1	0.9	90.3
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.4	94.2
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.7	94.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.5	95.4
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	10	9.3	93.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	24.9	99.5
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	25	24.3	97.2
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	54.4	108.8
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	116.5	116.5
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	100	109.6	109.6

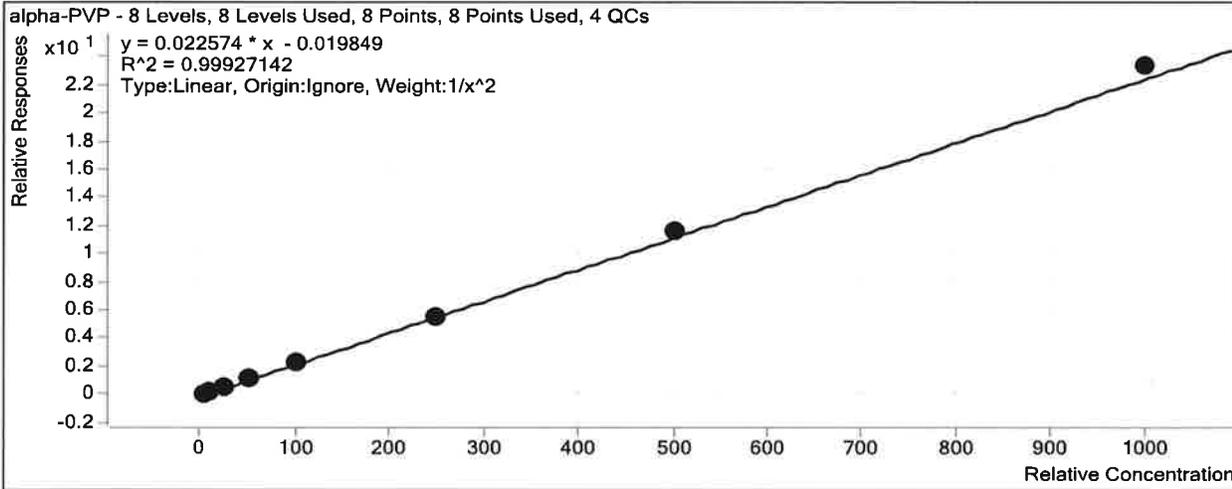
ISP Forensics Calibration Curve Report

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Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ
P1b 022018 TS.batch.bin

Last Calib Update 2/26/2018 8:38 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.9
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	99.5
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.1	91.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.6	98.2
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.6	97.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.2	100.2
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	100.2	100.2
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	244.1	97.7
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	245.3	98.1
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	514.5	102.9
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1035.1	103.5
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1024.7	102.5

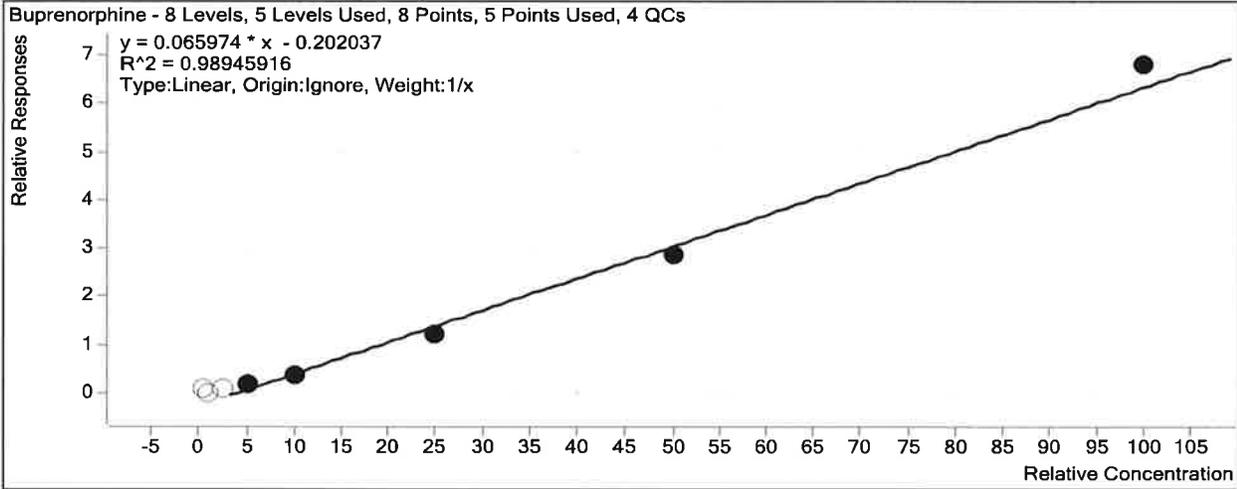
ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ
P1b 022018 TS.batch.bin

Last Calib Update 2/26/2018 8:38 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	0.5	4.2	834.2
b cal 2-10ng	2	<input type="checkbox"/>	1	3.4	336.0
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	1	3.5	347.6
b cal 3-25ng	3	<input type="checkbox"/>	2.5	4.4	176.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	6.1	122.4
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.0	90.1
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	10	9.5	95.3
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	22.0	87.8
b QC 250 (QC3)	6	<input checked="" type="checkbox"/>	25	20.9	83.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	46.8	93.6
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	106.1	106.1
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	100	92.0	92.0

* Compound not evaluated - TS

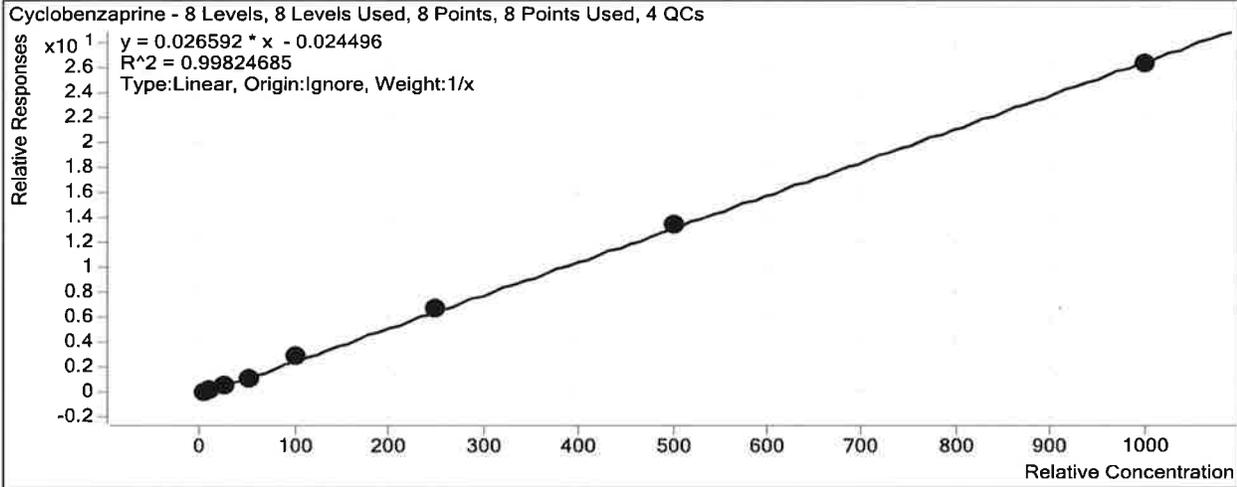
ISP Forensics Calibration Curve Report

B

Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ
P1b 022018 TS.batch.bin

Last Calib Update 2/26/2018 8:38 AM **Analyst Name** ISP TOX

Target Compound Cyclobenzaprine
Internal Standard Cyclobenzaprine-D3



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.5	110.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.4	104.3
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	8.2	82.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.4	93.7
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	40.5	81.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	108.6	108.6
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	85.1	85.1
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	254.0	101.6
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	240.5	96.2
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	509.8	102.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	987.7	98.8
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1019.0	101.9

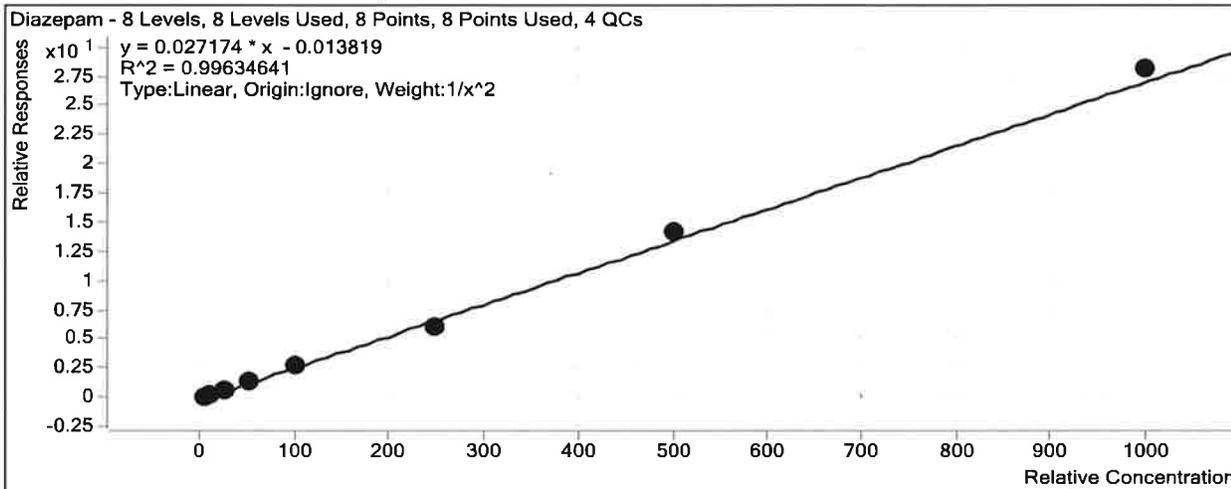
ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ
P1b 022018 TS.batch.bin

Last Calib Update 2/26/2018 8:38 AM **Analyst Name** ISP TOX

Target Compound Diazepam
Internal Standard Diazepam-D5



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	99.3
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.3	103.1
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.4	94.3
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.9	95.5
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.1	100.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	104.0	104.0
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	94.0	94.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	223.8	89.5
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	233.4	93.3
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	525.0	105.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1035.0	103.5
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	854.4	85.4

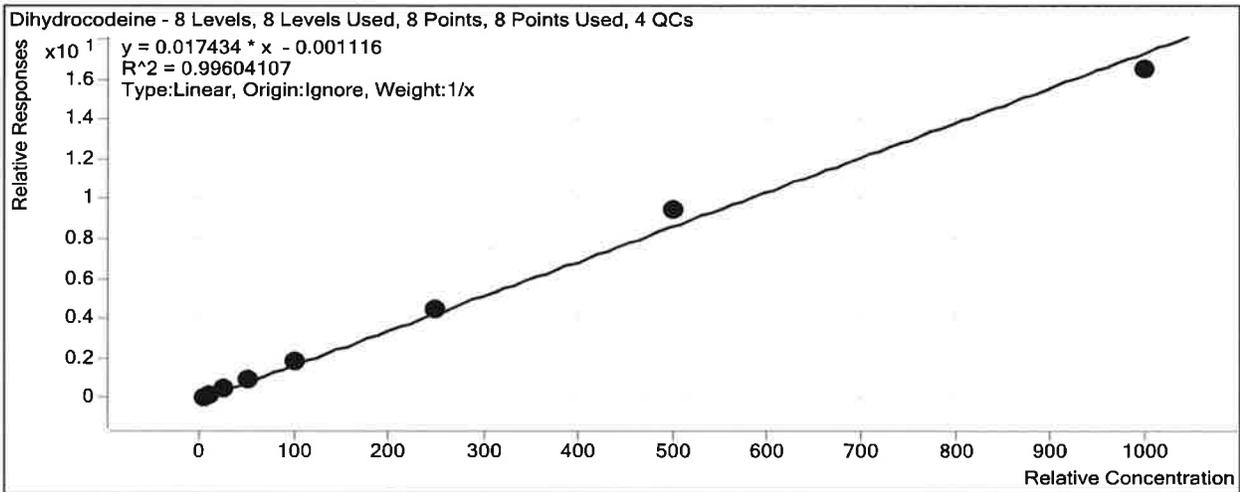
ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ
P1b 022018 TS.batch.bin

Last Calib Update 2/26/2018 8:38 AM **Analyst Name** ISP TOX

Target Compound Dihydrocodeine
Internal Standard Dihydrocodeine-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.6	91.4
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.4	94.2
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.1	90.9
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.3	101.1
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.0	102.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	105.5	105.5
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	101.2	101.2
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	256.8	102.7
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	251.9	100.8
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	541.8	108.4
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	945.6	94.6
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	979.8	98.0

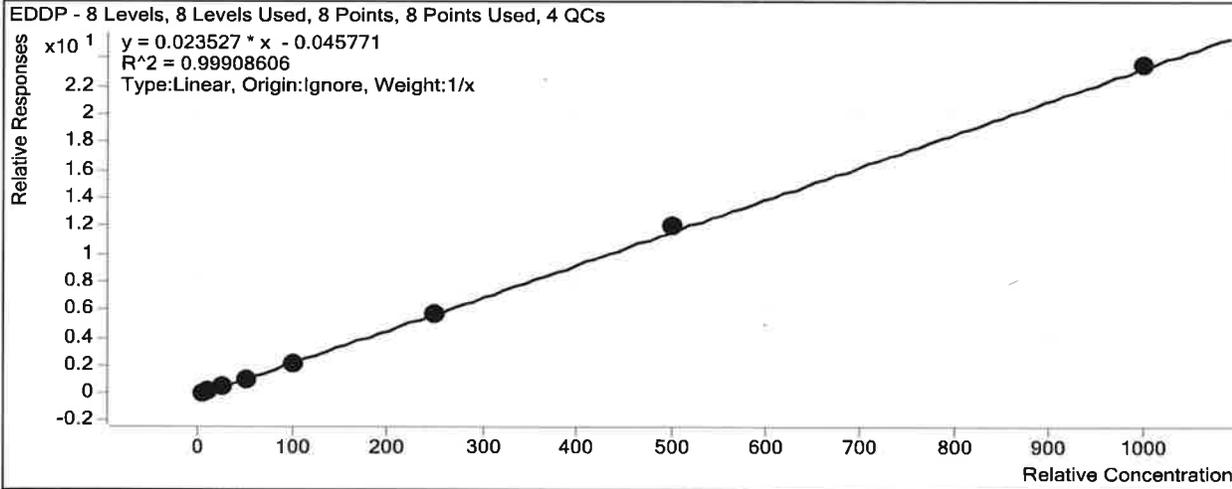
ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ
P1b 022018 TS.batch.bin

Last Calib Update 2/26/2018 8:38 AM **Analyst Name** ISP TOX

Target Compound EDDP
Internal Standard EDDP-D3



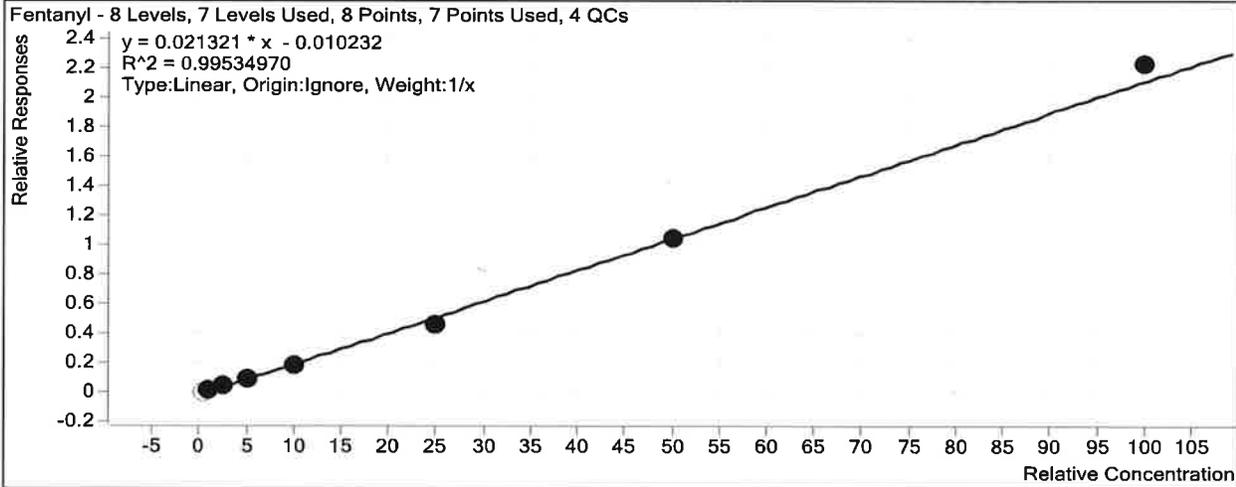
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.8	116.7
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.2	102.1
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.5	104.6
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.5	97.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	43.1	86.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	96.0	96.0
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	96.6	96.6
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	246.6	98.6
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	244.2	97.7
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	512.1	102.4
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1001.8	100.2
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	960.8	96.1

ISP Forensics Calibration Curve Report

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Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P1b 022018 TS.batch.bin
Last Calib Update 2/26/2018 8:38 AM **Analyst Name** ISP TOX

Target Compound Fentanyl
Internal Standard Fentanyl-D5



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	0.5	0.8	150.6
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.3	127.5
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	1	1.3	127.8
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.6	102.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.4	88.6
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	8.9	89.3
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	10	9.5	94.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	22.3	89.3
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	25	22.0	87.9
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	49.3	98.6
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	104.7	104.7
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	100	98.1	98.1

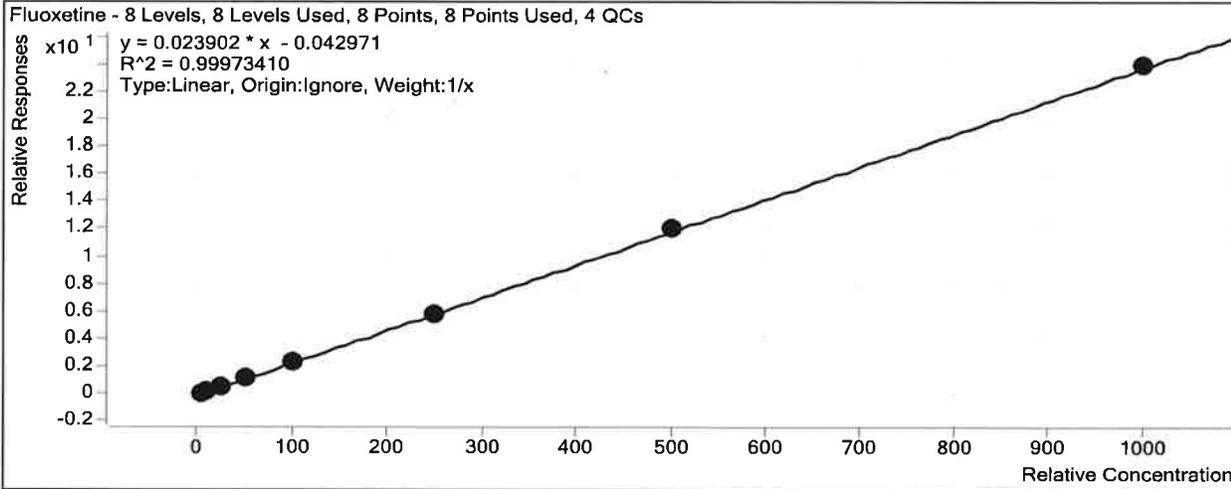
ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ
P1b 022018 TS.batch.bin

Last Calib Update 2/26/2018 8:38 AM **Analyst Name** ISP TOX

Target Compound Fluoxetine
Internal Standard Fluoxetine-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	103.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	99.7
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.8	108.1
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.3	101.3
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.4	98.8
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.9	98.9
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	97.9	97.9
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	241.2	96.5
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	249.6	99.8
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	508.0	101.6
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1002.1	100.2
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	979.4	97.9

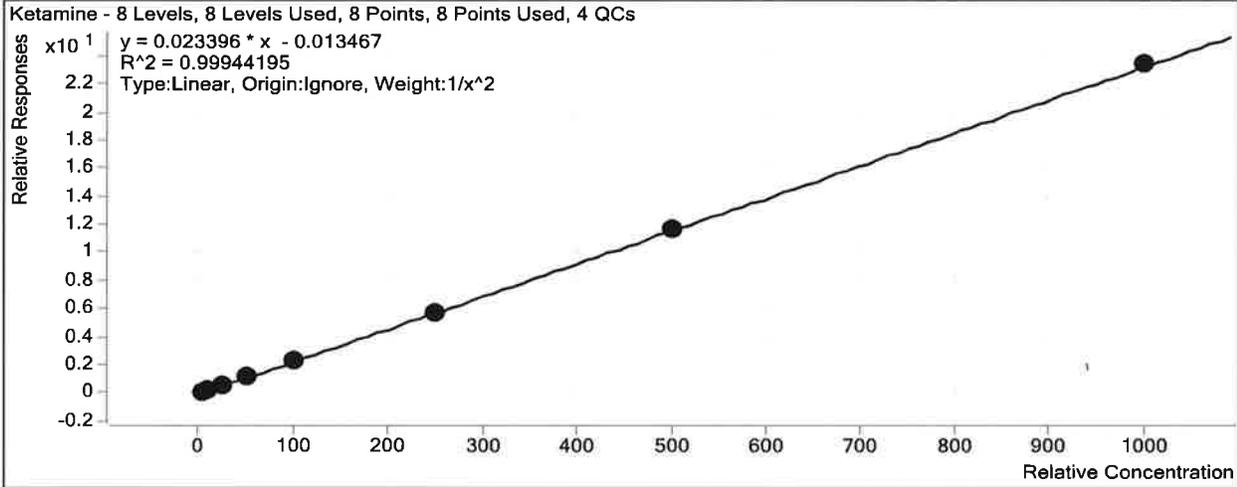
ISP Forensics Calibration Curve Report

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Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ
P1b 022018 TS.batch.bin

Last Calib Update 2/26/2018 8:38 AM **Analyst Name** ISP TOX

Target Compound Ketamine
Internal Standard Ketamine-D4



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.2
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	98.2
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.4	94.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.9	103.7
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.7	99.4
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.7	100.7
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	96.6	96.6
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	241.6	96.7
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	254.5	101.8
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	504.0	100.8
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1003.1	100.3
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1067.3	106.7

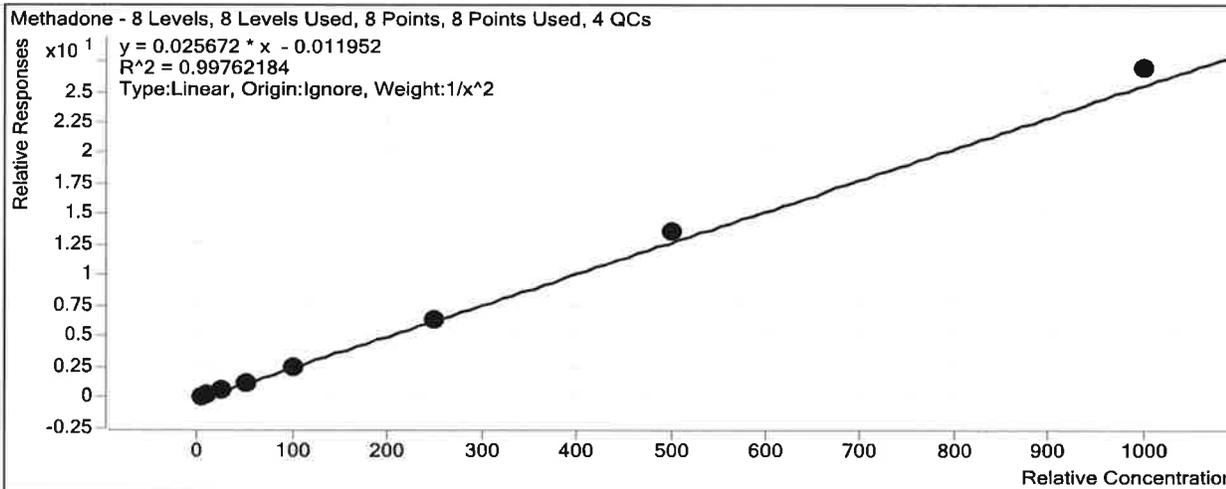
ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ
P1b 022018 TS.batch.bin

Last Calib Update 2/26/2018 8:38 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	101.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	101.2
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.2	91.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.8	95.2
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.5	93.0
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.1	99.1
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	102.1	102.1
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	251.2	100.5
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	256.7	102.7
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	526.3	105.3
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1047.3	104.7
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1027.1	102.7

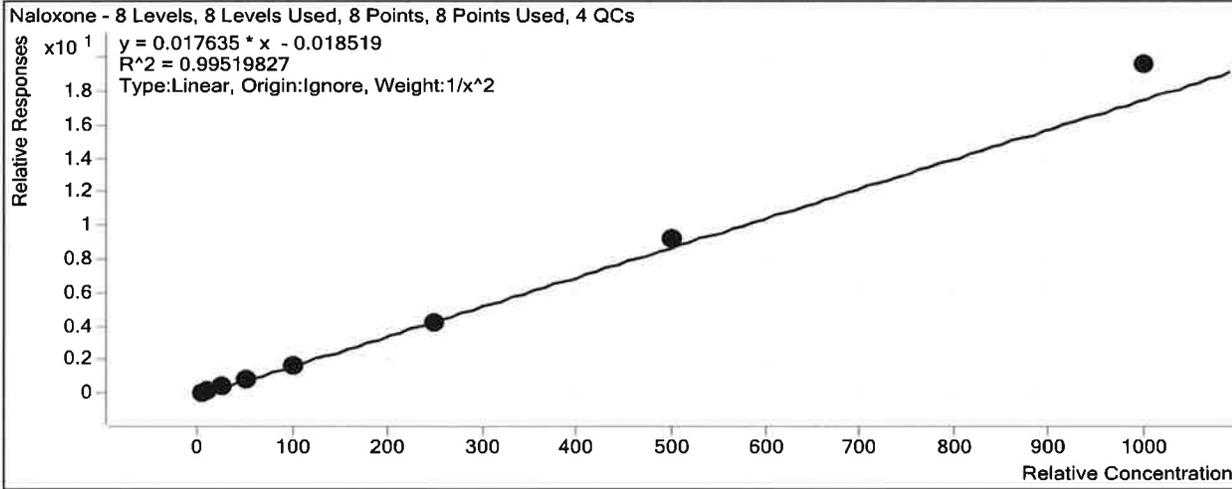
ISP Forensics Calibration Curve Report

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Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ
P1b 022018 TS.batch.bin

Last Calib Update 2/26/2018 8:38 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	103.9
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	94.8
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.3	92.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.3	97.2
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.0	94.0
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.7	97.7
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	95.1	95.1
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	240.7	96.3
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	242.3	96.9
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	525.3	105.1
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1111.3	111.1
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1064.1	106.4

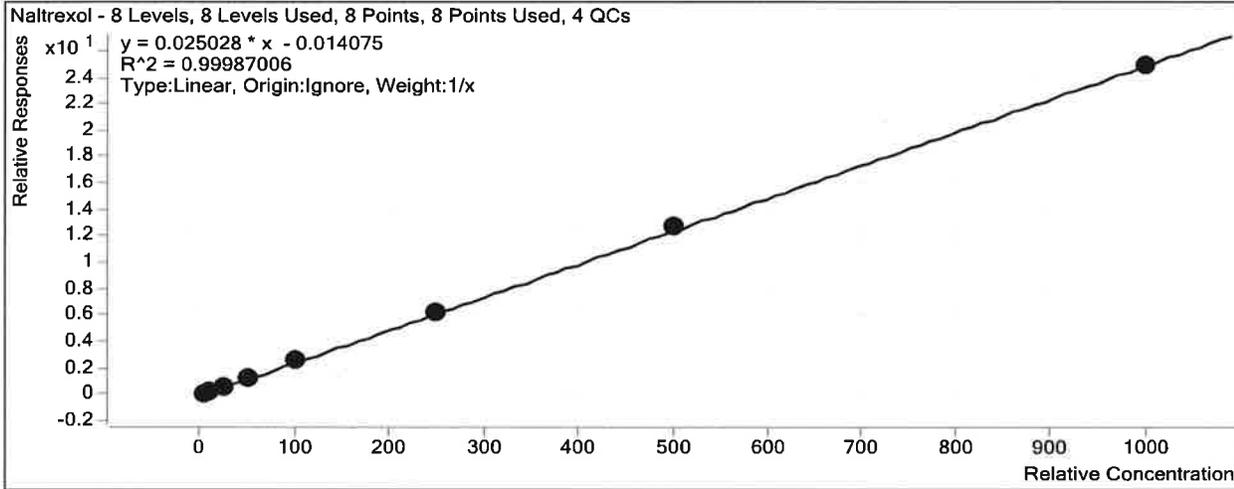
ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ
P1b 022018 TS.batch.bin

Last Calib Update 2/26/2018 8:38 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.9	99.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	99.4
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.7	97.1
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.3	101.3
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.2	98.4
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.3	102.3
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	97.1	97.1
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	246.9	98.8
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	243.6	97.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	506.7	101.3
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	994.6	99.5
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	951.8	95.2

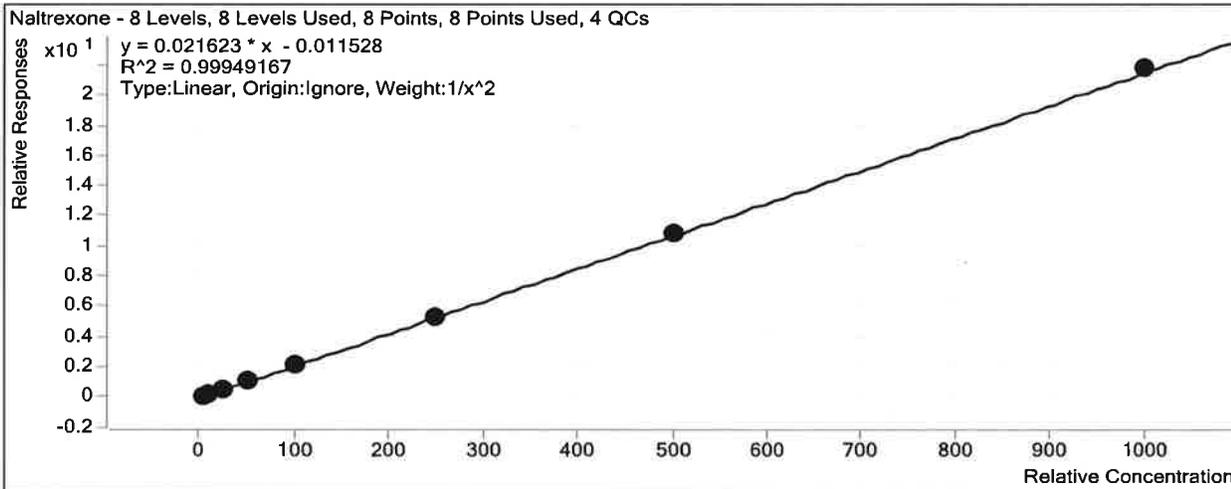
ISP Forensics Calibration Curve Report

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Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ
P1b 022018 TS.batch.bin

Last Calib Update 2/26/2018 8:38 AM **Analyst Name** ISP TOX

Target Compound Naltrexone
Internal Standard Naltrexone-D3



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.6
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	98.1
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.7	97.4
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.5	102.2
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.1	98.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.5	102.5
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	103.5	103.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	243.1	97.2
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	247.2	98.9
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	502.4	100.5
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1007.7	100.8
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	968.2	96.8

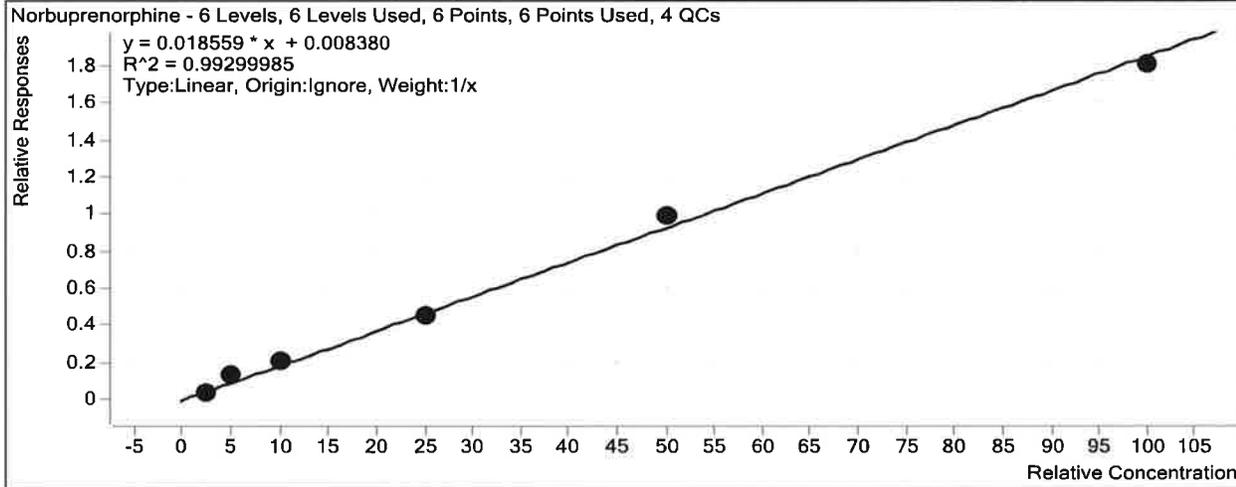
ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ
P1b 022018 TS.batch.bin

Last Calib Update 2/26/2018 8:38 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	0.5	0.0	0.0
b cal 2-10ng	2	<input type="checkbox"/>	1	0.0	0.0
b QC 10 (QC1)	2	<input type="checkbox"/>	1	1.4	140.8
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	1.7	68.3
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	6.4	128.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	10.5	104.9
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	10	9.7	96.7
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	23.8	95.1
b QC 250 (QC3)	6	<input checked="" type="checkbox"/>	25	28.7	114.6
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	53.1	106.2
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	97.0	97.0
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	100	107.7	107.7

* Compound not evaluated - TS

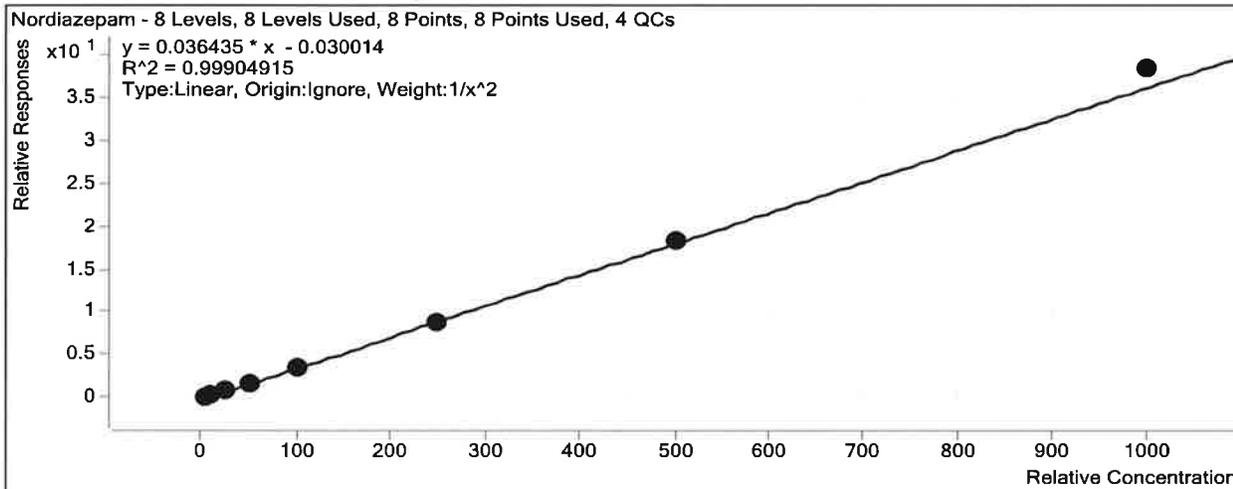
ISP Forensics Calibration Curve Report

B

Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ
P1b 022018 TS.batch.bin

Last Calib Update 2/26/2018 8:38 AM **Analyst Name** ISP TOX

Target Compound Nordiazepam
Internal Standard Nordiazepam-D5



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.8
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	99.2
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.5	95.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.0	99.8
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.1	96.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.4	99.4
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	90.7	90.7
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	245.0	98.0
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	206.2	82.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	505.0	101.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1054.5	105.4
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	874.2	87.4

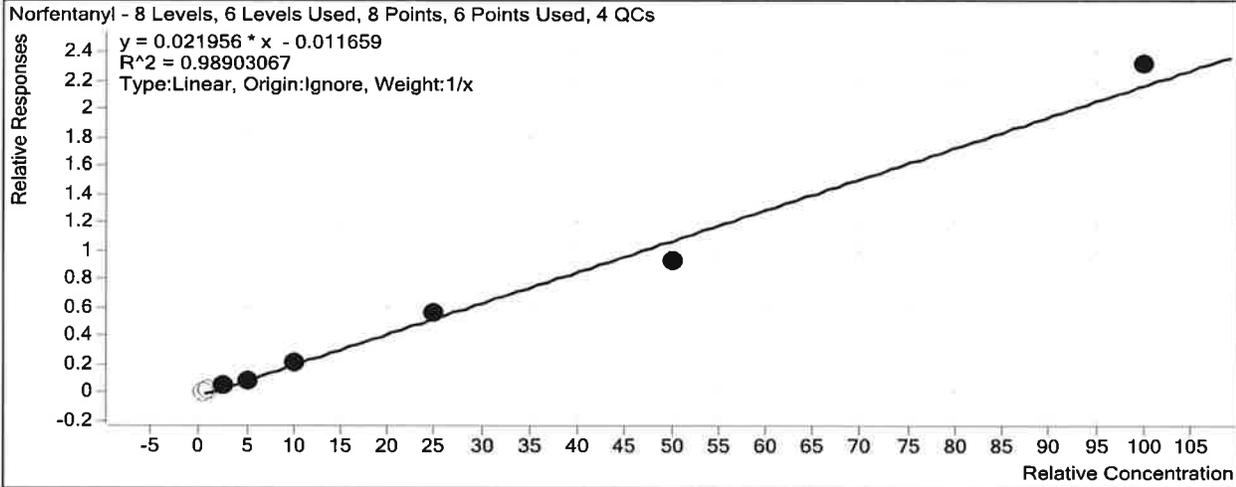
ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ
P1b 022018 TS.batch.bin

Last Calib Update 2/26/2018 8:38 AM **Analyst Name** ISP TOX

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



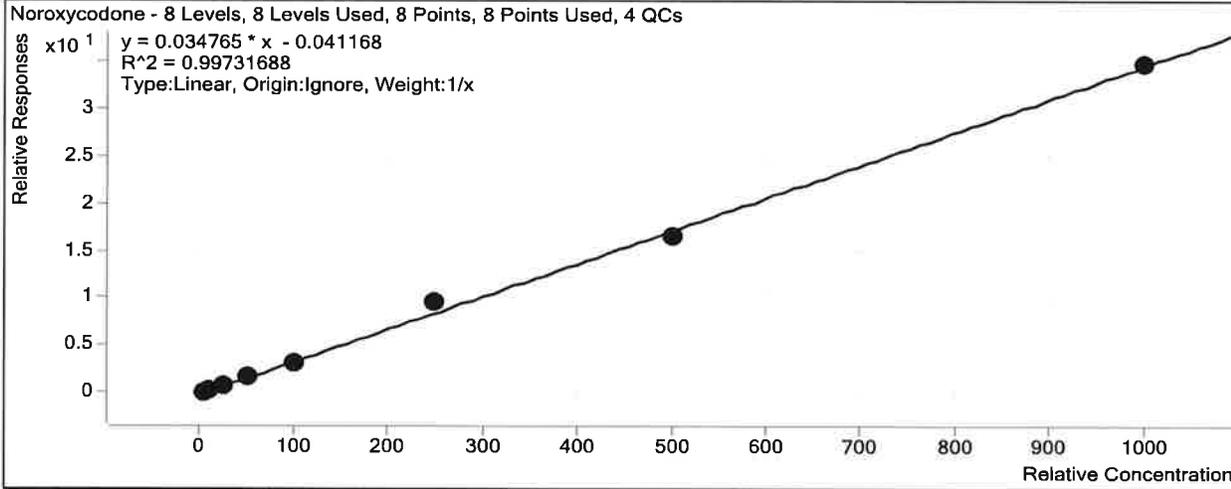
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	0.5	0.9	183.8
b cal 2-10ng	2	<input type="checkbox"/>	1	1.4	135.2
b QC 10 (QC1)	2	<input type="checkbox"/>	1	1.3	126.8
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.9	114.3
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.3	86.0
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	10.4	103.7
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	10	10.1	100.9
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	26.1	104.3
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	25	23.9	95.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	42.8	85.6
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	106.1	106.1
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	100	111.9	111.9

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P1b 022018 TS.batch.bin
Last Calib Update 2/26/2018 8:38 AM **Analyst Name** ISP TOX

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



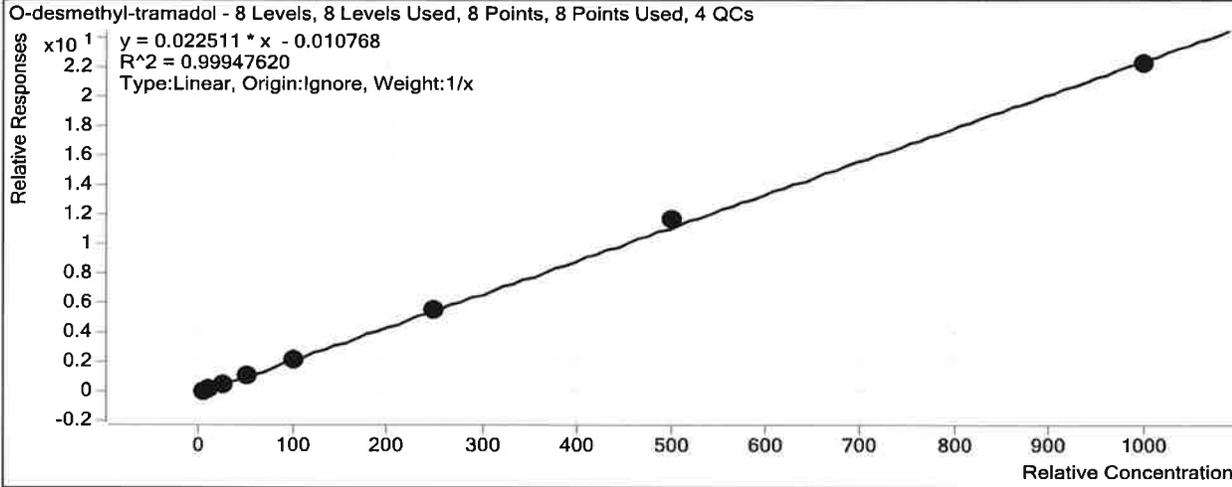
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.3	105.8
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	100.5
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	8.7	87.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.8	95.2
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.8	95.7
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	95.2	95.2
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	86.5	86.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	279.8	111.9
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	219.7	87.9
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	479.8	96.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	998.3	99.8
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1110.2	111.0

ISP Forensics Calibration Curve Report

15

Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P1b 022018 TS.batch.bin
Last Calib Update 2/26/2018 8:38 AM **Analyst Name** ISP TOX

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



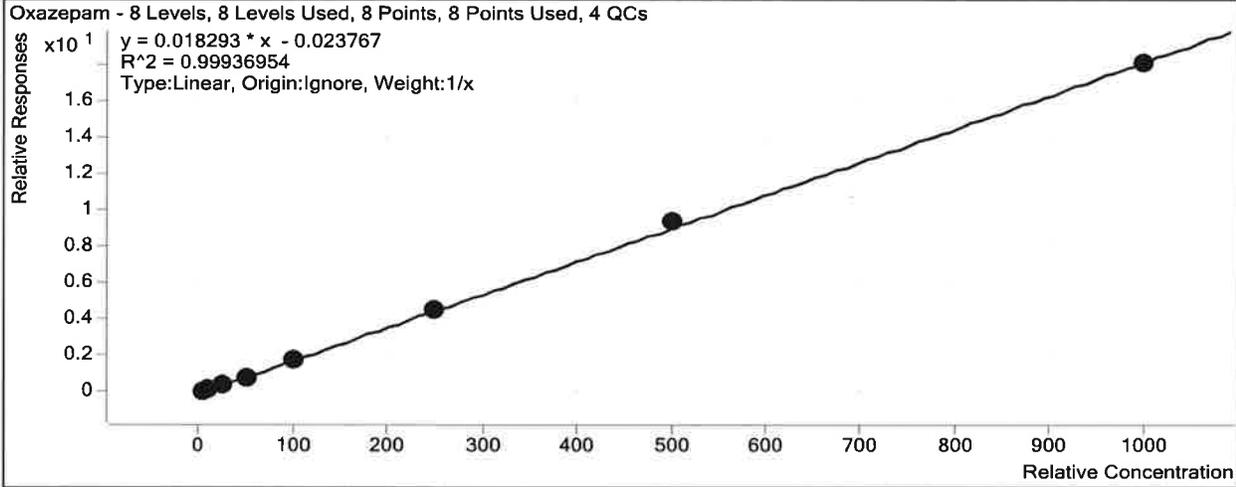
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.9	98.6
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.2	101.6
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.6	96.1
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.5	102.1
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.3	96.6
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.0	100.0
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	97.5	97.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	247.4	99.0
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	250.2	100.1
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	517.8	103.6
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	985.9	98.6
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1001.7	100.2

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P1b 022018 TS.batch.bin
Last Calib Update 2/26/2018 8:38 AM **Analyst Name** ISP TOX

Target Compound Oxazepam
Internal Standard Oxazepam-D5



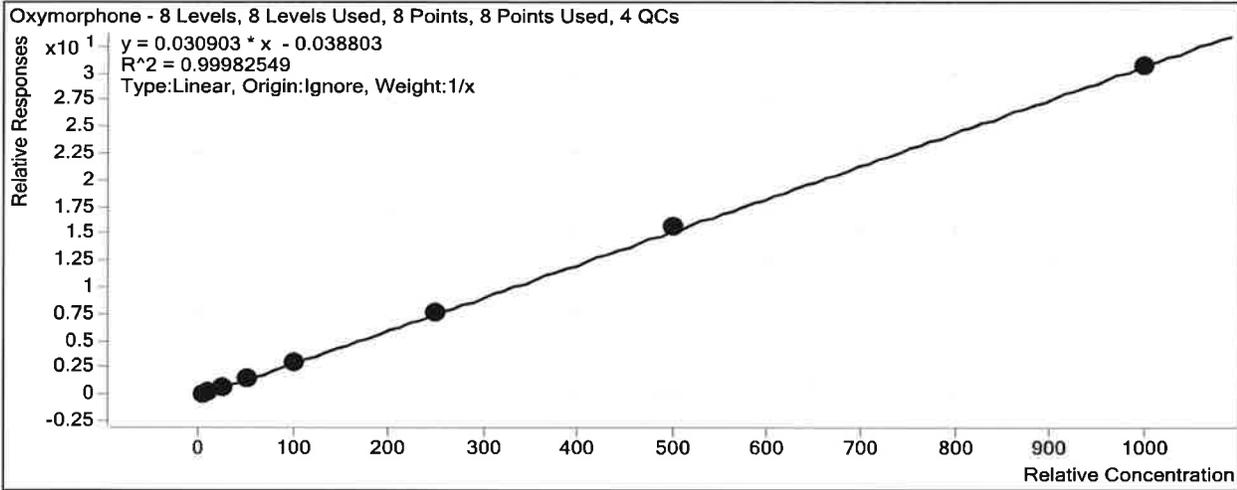
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.4	108.2
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.2	102.1
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.6	96.1
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.6	98.6
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.7	93.4
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	95.8	95.8
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	79.3	79.3
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	248.6	99.4
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	221.4	88.6
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	517.3	103.5
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	991.5	99.1
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	943.7	94.4

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P1b 022018 TS.batch.bin
Last Calib Update 2/26/2018 8:38 AM **Analyst Name** ISP TOX

Target Compound Oxymorphone
Internal Standard Oxymorphone-D3



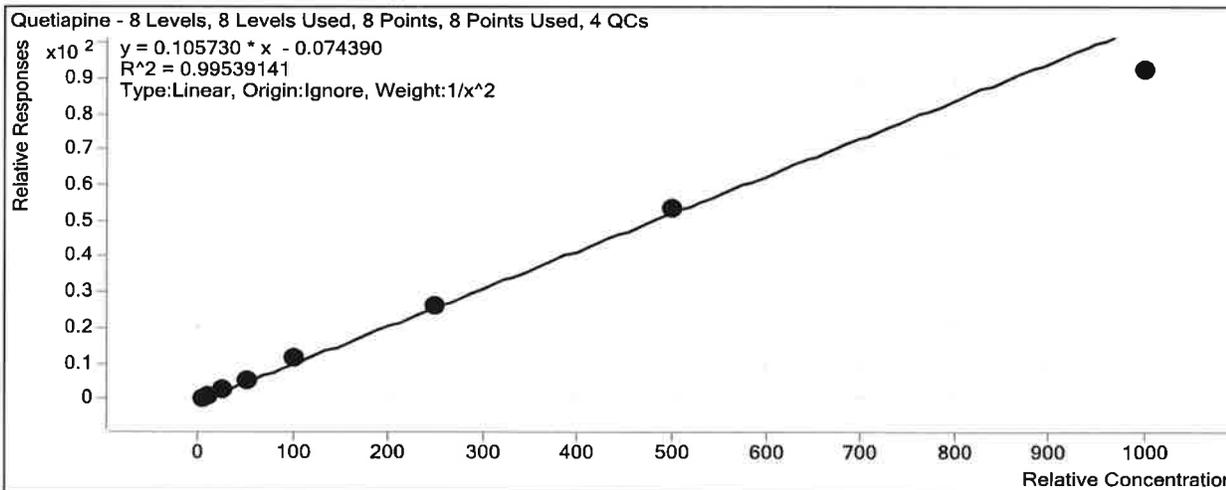
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.4	108.6
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	98.4
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.8	98.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.9	95.6
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.6	97.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.6	98.6
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	99.6	99.6
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	251.3	100.5
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	253.6	101.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	508.0	101.6
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	994.3	99.4
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1037.1	103.7

ISP Forensics Calibration Curve Report

15

Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P1b 022018 TS.batch.bin
Last Calib Update 2/26/2018 8:38 AM **Analyst Name** ISP TOX

Target Compound Quetiapine
Internal Standard Quetiapine-D8



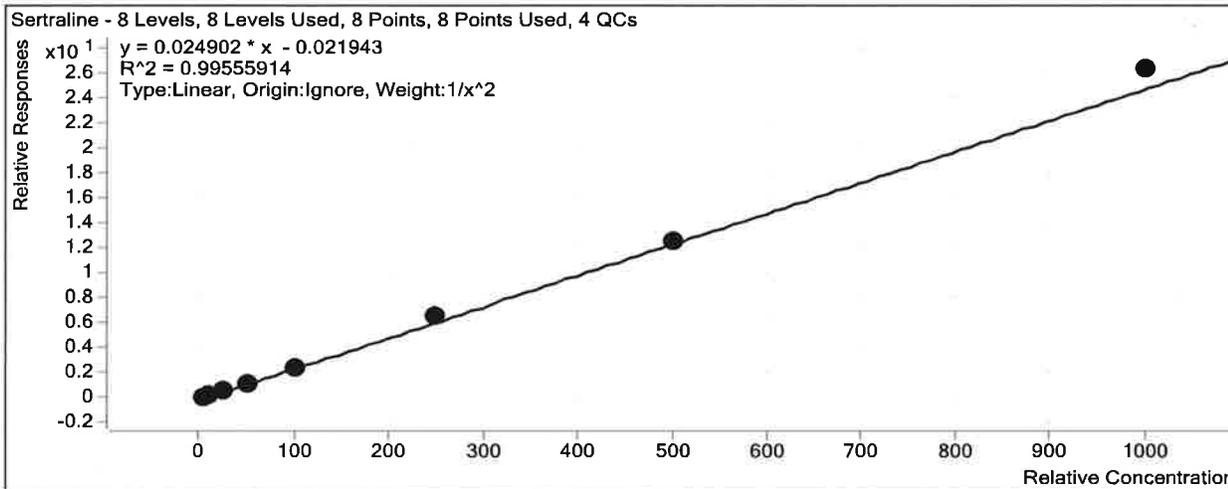
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	98.4
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.4	103.9
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.2	100.7
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.5	102.9
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	108.3	108.3
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	104.5	104.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	251.9	100.8
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	255.7	102.3
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	508.2	101.6
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	873.4	87.3
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	916.2	91.6

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P1b 022018 TS.batch.bin
Last Calib Update 2/26/2018 8:38 AM **Analyst Name** ISP TOX

Target Compound Sertraline
Internal Standard Sertraline-D3



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.3	105.3
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.1	91.3
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.3	93.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.6	98.4
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.0	92.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.5	100.5
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	88.0	88.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	264.5	105.8
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	254.3	101.7
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	504.9	101.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1056.7	105.7
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	960.0	96.0

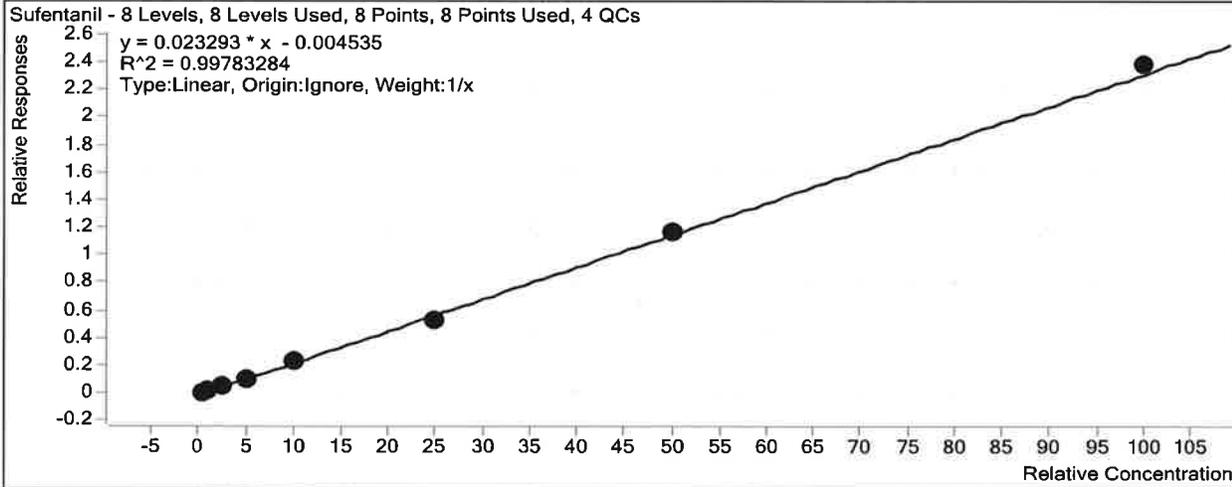
ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ
P1b 022018 TS.batch.bin

Last Calib Update 2/26/2018 8:38 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	0.5	0.6	112.8
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.1	109.6
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	1	1.3	133.2
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.4	94.1
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.4	89.0
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	10.1	100.8
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	10	8.9	89.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	22.6	90.3
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	25	24.7	99.0
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	50.6	101.2
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	102.3	102.3
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	100	98.0	98.0

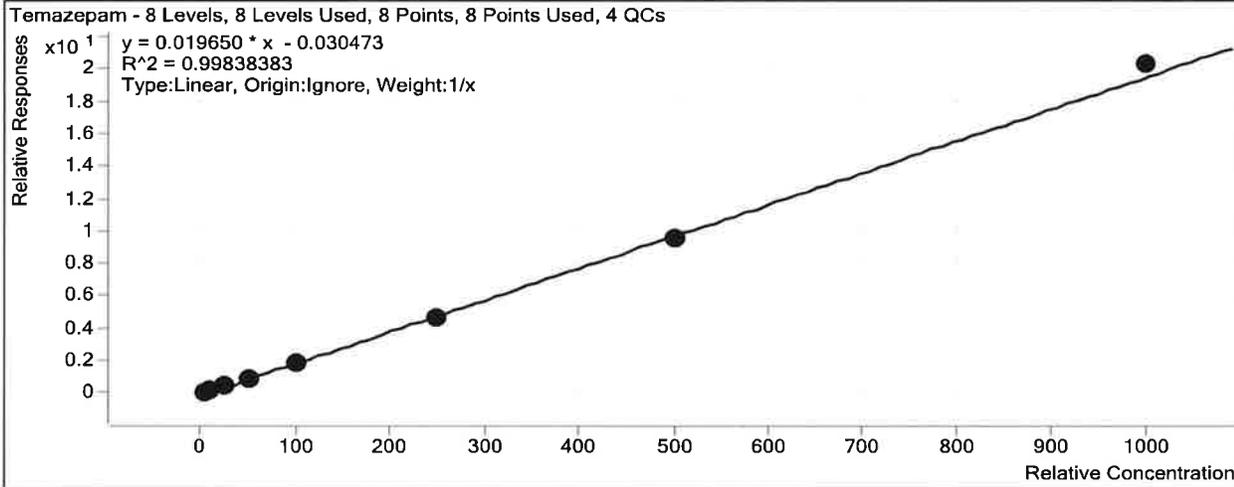
ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ
P1b 022018 TS.batch.bin

Last Calib Update 2/26/2018 8:38 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.7	113.6
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.2	101.6
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.2	102.2
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.6	102.4
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.1	92.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	94.7	94.7
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	92.6	92.6
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	236.6	94.7
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	228.7	91.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	487.3	97.5
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1033.8	103.4
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	952.1	95.2

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

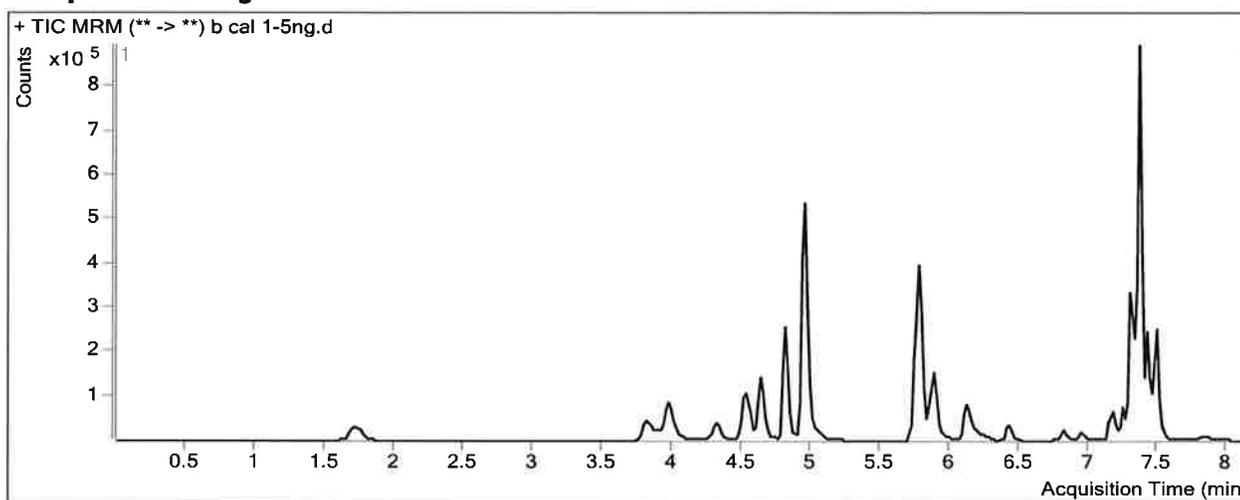
15

Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P1b 022018 TS.b
Analysis Time 2/26/2018 8:38 AM **Analyst Name** ISPUser
Report Time 2/26/2018 8:40 AM **Reporter Name** ISPUser
Last Calib Update 2/26/2018 8:38 AM **Batch State** Processed

Analysis Info

Acq Time 2018-02-21 04:24 **Data File** b cal 1-5ng.d
Sample Type Calibration **Sample Name** b cal 1-5ng
Dilution 1 **Acq Method** MD Quant Panel 1b 12-12-17.m
Position P1-A1 **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	1.728	23993	186014	0.1290	5.4295
Dihydrocodeine	Dihydrocodeine-D6	3.877	16955	215834	0.0786	4.5700
Naloxone	Naloxone-D5	4.030	32989	451570	0.0731	5.1927
Noroxycodone	Noroxycodone-D3	4.359	21207	148549	0.1428	5.2906
Naltrexone	Naltrexone-D3	4.531	35630	366387	0.0972	5.0306
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.683	6118	532082	0.0115	0.5159
Naltrexol	Naltrexol-D3	4.810	79196	721262	0.1098	4.9495
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	4.958	168190	1678416	0.1002	4.9299
Ketamine	Ketamine-D4	5.759	86393	832364	0.1038	5.0119
Norfentanyl	Norfentanyl-D5	5.802	5909	693715	0.0085	0.9189
alpha-PVP	alpha-PVP-d8	6.127	33707	358439	0.0940	5.0451
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.437	863	119399	0.0072	0.5543
Fentanyl	Fentanyl-D5	6.860	416	71371	0.0058	0.7532
EDDP	EDDP-D3	6.950	4299	46986	0.0915	5.8345
Quetiapine	Quetiapine-D8	7.159	39941	87912	0.4543	5.0006
Sufentanil	Sufentanil-D5	7.158	382	44456	0.0086	0.5639
Cyclobenzaprine	Cyclobenzaprine-D3	7.232	4738	38920	0.1217	5.4992
Methadone	Methadone-D9	7.242	17430	148083	0.1177	5.0505
Fluoxetine	Fluoxetine-D6	7.304	11502	143596	0.0801	5.1491

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

TS

b cal 1-5ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxazepam	Oxazepam-D5	7.329	47646	633710	0.0752	5.4095
Sertraline	Sertraline-D3	7.345	7456	68332	0.1091	5.2631
Temazepam	Temazepam-D5	7.367	145881	1798837	0.0811	5.6780
Buprenorphine	Buprenorphine-D4	7.476	2179	29793	0.0732	4.1712
Nordiazepam	Nordiazepam-D5	7.434	62262	405119	0.1537	5.0419
Diazepam	Diazepam-D5	7.490	46949	387697	0.1211	4.9649

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

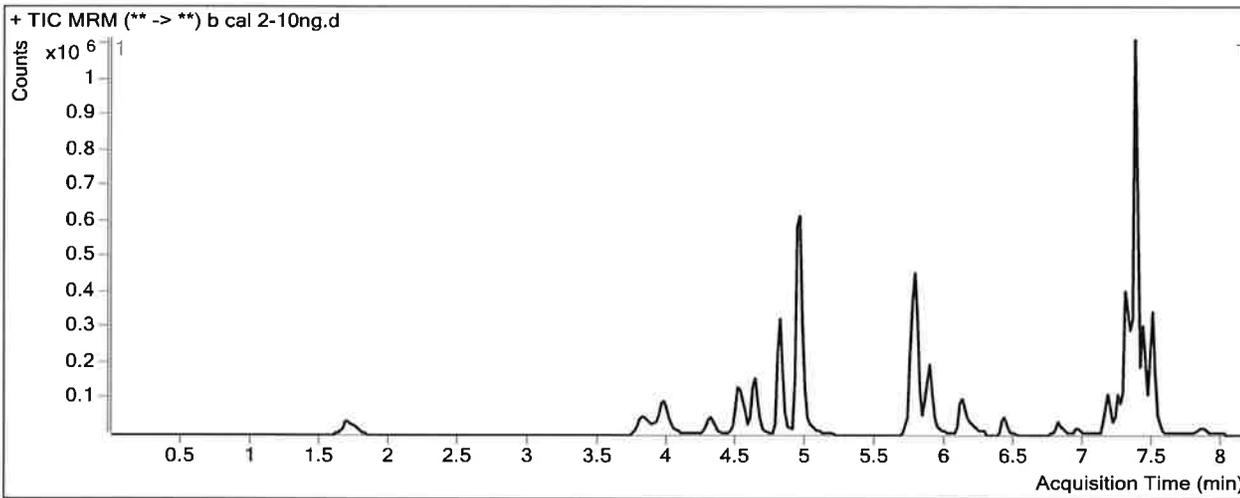
B

Batch Data Path C:\MassHunter\Data\2018\MD Quant\022018 MDQ P1 and P2 TS and SP\QuantResults\MDQ P1b 022018 TS.b
Analysis Time 2/26/2018 8:38 AM **Analyst Name** ISPUser
Report Time 2/26/2018 8:41 AM **Reporter Name** ISPUser
Last Calib Update 2/26/2018 8:38 AM **Batch State** Processed

Analysis Info

Acq Time 2018-02-21 04:56 **Data File** b cal 2-10ng.d
Sample Type Calibration **Sample Name** b cal 2-10ng
Dilution 1 **Acq Method** MD Quant Panel 1b 12-12-17.m
Position P1-B1 **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	1.708	52663	198589	0.2652	9.8369
Dihydrocodeine	Dihydrocodeine-D6	3.857	38584	236466	0.1632	9.4233
Naloxone	Naloxone-D5	4.030	75322	506759	0.1486	9.4786
Noroxycodone	Noroxycodone-D3	4.339	49011	159093	0.3081	10.0455
Naltrexone	Naltrexone-D3	4.531	82169	409527	0.2006	9.8124
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.683	14025	588733	0.0238	0.9653
Naltrexol	Naltrexol-D3	4.810	187380	798761	0.2346	9.9353
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	4.958	402565	1846736	0.2180	10.1621
Ketamine	Ketamine-D4	5.759	194972	901177	0.2164	9.8229
Norfentanyl	Norfentanyl-D5	5.802	13695	759799	0.0180	1.3520
alpha-PVP	alpha-PVP-d8	6.127	80300	392350	0.2047	9.9456
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.437	2062	175675	0.0117	0.8506
Fentanyl	Fentanyl-D5	6.840	1982	116949	0.0170	1.2749
EDDP	EDDP-D3	6.970	9864	50733	0.1944	10.2092
Quetiapine	Quetiapine-D8	7.159	98607	102123	0.9656	9.8360
Sufentanil	Sufentanil-D5	7.178	1641	78157	0.0210	1.0960
Cyclobenzaprine	Cyclobenzaprine-D3	7.232	14491	57331	0.2528	10.4263
Methadone	Methadone-D9	7.263	49445	199459	0.2479	10.1218
Fluoxetine	Fluoxetine-D6	7.304	46983	240620	0.1953	9.9671

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

TS

b cal 2-10ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxazepam	Oxazepam-D5	7.329	104412	640890	0.1629	10.2054
Sertraline	Sertraline-D3	7.365	19923	96932	0.2055	9.1349
Temazepam	Temazepam-D5	7.367	320456	1894768	0.1691	10.1579
Buprenorphine	Buprenorphine-D4	7.376	892	45478	0.0196	3.3596
Nordiazepam	Nordiazepam-D5	7.455	147186	444106	0.3314	9.9200
Diazepam	Diazepam-D5	7.490	109985	413110	0.2662	10.3058

TS

ISP FORENSICS - Pocatello Instrument # 59740

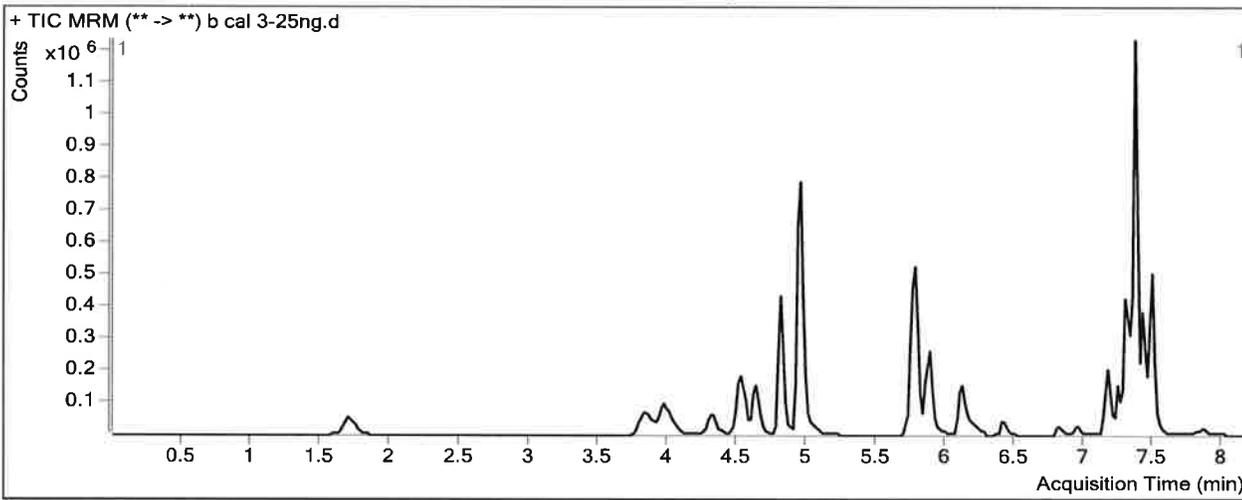
Multi-Drug Confirmatory Analysis Report

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Report Time 2/26/2018 8:41 AM **Reporter Name** ISPUser
Last Calib Update 2/26/2018 8:38 AM **Batch State** Processed

Analysis Info

Acq Time 2018-02-21 05:27 **Data File** b cal 3-25ng.d
Sample Type Calibration **Sample Name** b cal 3-25ng
Dilution 1 **Acq Method** MD Quant Panel 1b 12-12-17.m
Position P1-C1 **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	1.708	131259	187566	0.6998	23.9009
Dihydrocodeine	Dihydrocodeine-D6	3.857	99115	225399	0.4397	25.2865
Naloxone	Naloxone-D5	4.030	185675	453040	0.4098	24.2905
Noroxycodone	Noroxycodone-D3	4.339	120366	153166	0.7859	23.7890
Naltrexone	Naltrexone-D3	4.531	203857	376878	0.5409	25.5488
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.683	35582	574247	0.0620	2.3562
Naltrexol	Naltrexol-D3	4.810	462084	745226	0.6201	25.3366
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	4.958	990404	1757226	0.5636	25.5163
Ketamine	Ketamine-D4	5.759	513014	865374	0.5928	25.9139
Norfentanyl	Norfentanyl-D5	5.802	39434	772134	0.0511	2.8571
alpha-PVP	alpha-PVP-d8	6.127	215932	404026	0.5344	24.5545
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.417	4978	137063	0.0363	2.4671
Norbuprenorphine	Norbuprenorphine-D3	6.752	196	4903	0.0401	1.7074
Fentanyl	Fentanyl-D5	6.820	3929	88991	0.0441	2.5506
EDDP	EDDP-D3	6.950	27203	51343	0.5298	24.4650
Quetiapine	Quetiapine-D8	7.159	252242	97531	2.5863	25.1646
Sufentanil	Sufentanil-D5	7.178	3042	60505	0.0503	2.3534
Cyclobenzaprine	Cyclobenzaprine-D3	7.232	30530	51014	0.5985	23.4273
Methadone	Methadone-D9	7.242	109918	183477	0.5991	23.8013

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

TS

b cal 3-25ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.304	100027	177800	0.5626	25.3351
Oxazepam	Oxazepam-D5	7.329	227908	533684	0.4270	24.6445
Sertraline	Sertraline-D3	7.345	48610	82296	0.5907	24.6008
Temazepam	Temazepam-D5	7.367	770585	1630967	0.4725	25.5956
Buprenorphine	Buprenorphine-D4	7.376	3241	36118	0.0897	4.4224
Nordiazepam	Nordiazepam-D5	7.434	341793	388722	0.8793	24.9564
Diazepam	Diazepam-D5	7.490	259211	408228	0.6350	23.8748

TS

ISP FORENSICS - Pocatello Instrument # 59740

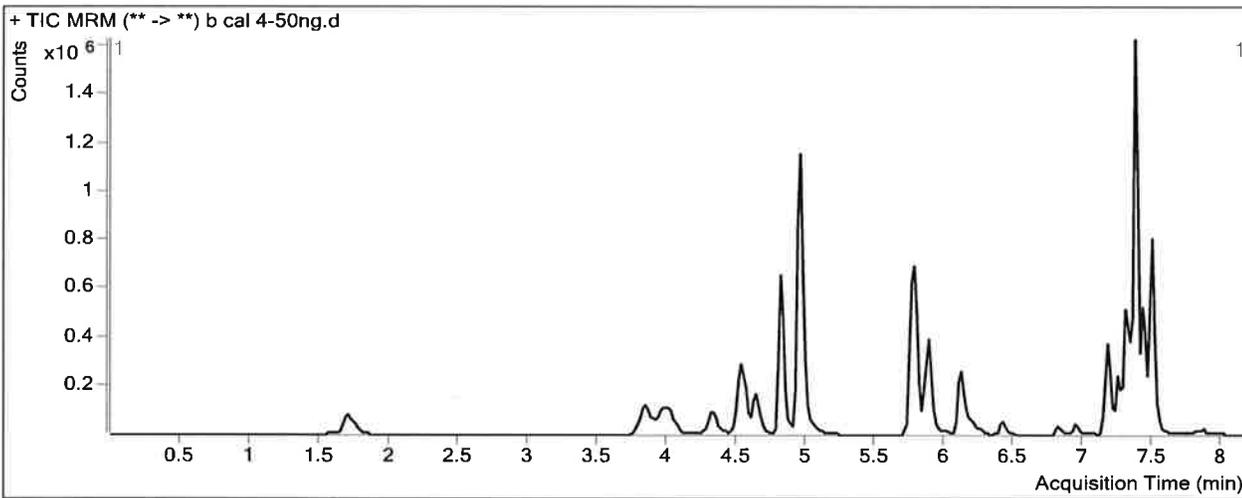
Multi-Drug Confirmatory Analysis Report

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Report Time 2/26/2018 8:41 AM **Reporter Name** ISPUser
Last Calib Update 2/26/2018 8:38 AM **Batch State** Processed

Analysis Info

Acq Time 2018-02-21 05:59 **Data File** b cal 4-50ng.d
Sample Type Calibration **Sample Name** b cal 4-50ng
Dilution 1 **Acq Method** MD Quant Panel 1b 12-12-17.m
Position P1-D1 **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	1.708	276467	188819	1.4642	48.6364
Dihydrocodeine	Dihydrocodeine-D6	3.857	206937	232851	0.8887	51.0395
Naloxone	Naloxone-D5	4.030	373145	460344	0.8106	47.0146
Noroxycodone	Noroxycodone-D3	4.339	240396	148257	1.6215	47.8252
Naltrexone	Naltrexone-D3	4.531	416314	396796	1.0492	49.0554
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.683	73604	581772	0.1265	4.7104
Naltrexol	Naltrexol-D3	4.810	961196	789459	1.2175	49.2087
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	4.958	2021944	1877561	1.0769	48.3182
Ketamine	Ketamine-D4	5.759	1039045	904301	1.1490	49.6860
Norfentanyl	Norfentanyl-D5	5.802	76298	922002	0.0828	4.3001
alpha-PVP	alpha-PVP-d8	6.127	479272	444998	1.0770	48.5896
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.417	13138	178171	0.0737	4.9275
Norbuprenorphine	Norbuprenorphine-D3	6.752	733	5741	0.1276	6.4240
Fentanyl	Fentanyl-D5	6.820	9321	110677	0.0842	4.4300
EDDP	EDDP-D3	6.950	58206	60131	0.9680	43.0891
Quetiapine	Quetiapine-D8	7.159	571959	106556	5.3677	51.4713
Sufentanil	Sufentanil-D5	7.178	7114	71794	0.0991	4.4488
Cyclobenzaprine	Cyclobenzaprine-D3	7.232	65815	62467	1.0536	40.5426
Methadone	Methadone-D9	7.242	251012	212435	1.1816	46.4918

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

TS

b cal 4-50ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.304	230613	202608	1.1382	49.4189
Oxazepam	Oxazepam-D5	7.329	359252	432621	0.8304	46.6950
Sertraline	Sertraline-D3	7.365	102249	90950	1.1242	46.0270
Temazepam	Temazepam-D5	7.367	1420358	1621658	0.8759	46.1250
Buprenorphine	Buprenorphine-D4	7.376	8962	44424	0.2017	6.1203
Nordiazepam	Nordiazepam-D5	7.455	642904	372910	1.7240	48.1414
Diazepam	Diazepam-D5	7.490	523516	388563	1.3473	50.0887

TS

ISP FORENSICS - Pocatello Instrument # 59740

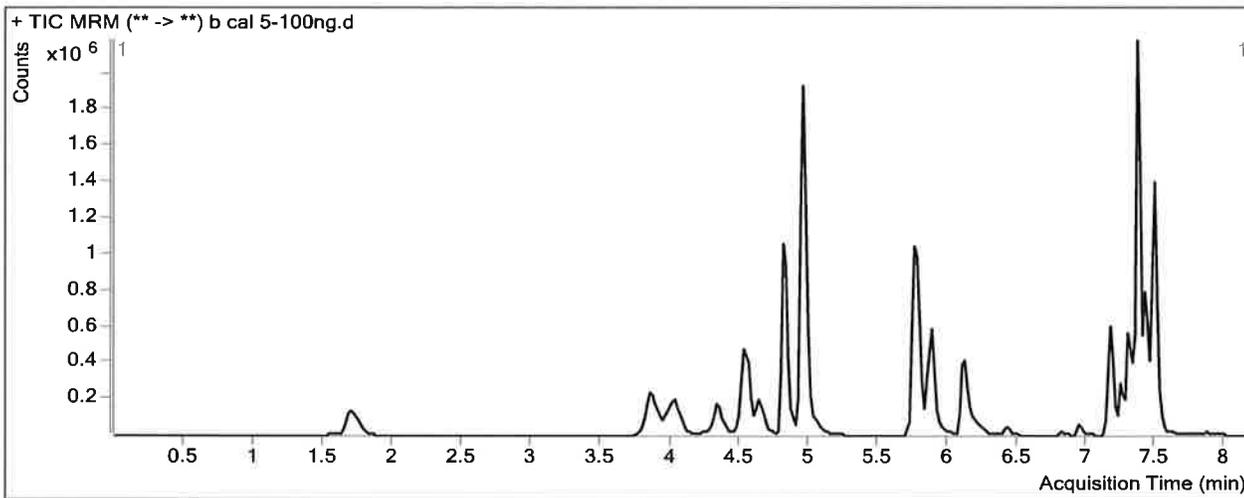
Multi-Drug Confirmatory Analysis Report

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Report Time 2/26/2018 8:41 AM **Reporter Name** ISPUser
Last Calib Update 2/26/2018 8:38 AM **Batch State** Processed

Analysis Info

Acq Time 2018-02-21 06:30 **Data File** b cal 5-100ng.d
Sample Type Calibration **Sample Name** b cal 5-100ng
Dilution 1 **Acq Method** MD Quant Panel 1b 12-12-17.m
Position P1-E1 **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	1.708	586797	195004	3.0092	98.6308
Dihydrocodeine	Dihydrocodeine-D6	3.877	451146	245436	1.8381	105.4980
Naloxone	Naloxone-D5	4.030	780390	457828	1.7045	97.7078
Noroxycodone	Noroxycodone-D3	4.359	480948	147084	3.2699	95.2409
Naltrexone	Naltrexone-D3	4.531	858361	389440	2.2041	102.4665
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.683	158228	611329	0.2588	9.5354
Naltrexol	Naltrexol-D3	4.830	2025230	795109	2.5471	102.3313
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	4.958	4359913	1946729	2.2396	99.9701
Ketamine	Ketamine-D4	5.759	2276279	971282	2.3436	100.7445
Norfentanyl	Norfentanyl-D5	5.802	173064	801289	0.2160	10.3681
alpha-PVP	alpha-PVP-d8	6.127	944190	421147	2.2419	100.1940
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.417	18554	124470	0.1491	9.8805
Norbuprenorphine	Norbuprenorphine-D3	6.752	750	3691	0.2031	10.4910
Fentanyl	Fentanyl-D5	6.820	11970	66410	0.1802	8.9336
EDDP	EDDP-D3	6.950	102216	46214	2.2118	95.9558
Quetiapine	Quetiapine-D8	7.159	1004217	88283	11.3750	108.2887
Sufentanil	Sufentanil-D5	7.158	9105	39556	0.2302	10.0766
Cyclobenzaprine	Cyclobenzaprine-D3	7.232	92509	32298	2.8643	108.6341
Methadone	Methadone-D9	7.242	364424	143893	2.5326	99.1169

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

TS

b cal 5-100ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.304	289853	124894	2.3208	98.8958
Oxazepam	Oxazepam-D5	7.329	548273	317265	1.7281	95.7703
Sertraline	Sertraline-D3	7.365	143385	57812	2.4802	100.4792
Temazepam	Temazepam-D5	7.367	2841228	1551658	1.8311	94.7377
Buprenorphine	Buprenorphine-D4	7.376	10657	27169	0.3923	9.0080
Nordiazepam	Nordiazepam-D5	7.434	1193050	332117	3.5923	99.4173
Diazepam	Diazepam-D5	7.490	1095296	389558	2.8116	103.9748

TS

ISP FORENSICS - Pocatello Instrument # 59740

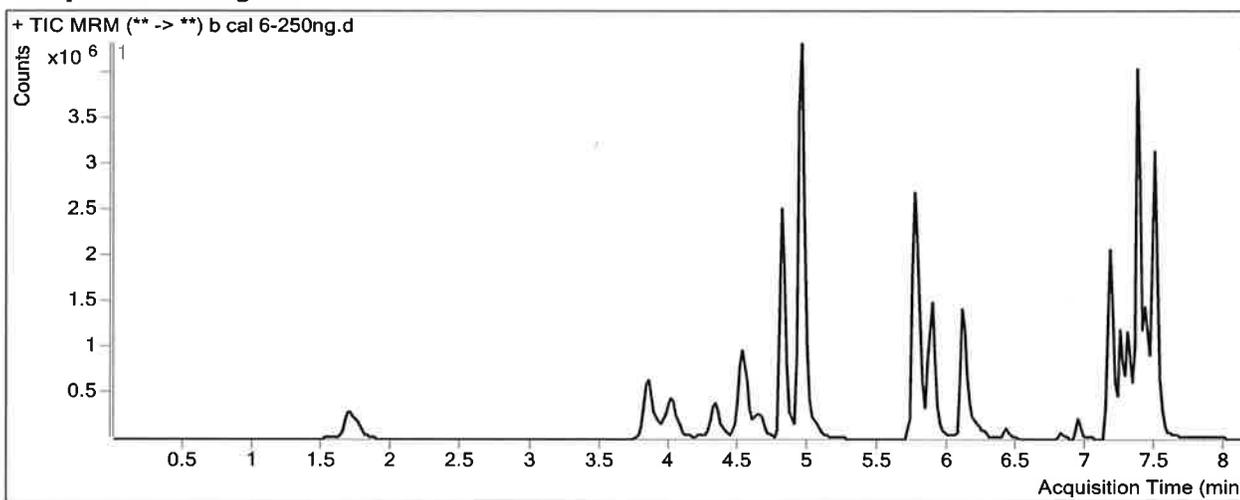
Multi-Drug Confirmatory Analysis Report

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Report Time	2/26/2018 8:41 AM	Reporter Name	ISPUser
Last Calib Update	2/26/2018 8:38 AM	Batch State	Processed

Analysis Info

Acq Time	2018-02-21 07:02	Data File	b cal 6-250ng.d
Sample Type	Calibration	Sample Name	b cal 6-250ng
Dilution	1	Acq Method	MD Quant Panel 1b 12-12-17.m
Position	P1-F1	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	1.708	1607300	208031	7.7262	251.2736
Dihydrocodeine	Dihydrocodeine-D6	3.857	1297086	289756	4.4765	256.8301
Naloxone	Naloxone-D5	4.010	1993714	471798	4.2258	240.6761
Noroxycodone	Noroxycodone-D3	4.339	1447436	149453	9.6849	279.7651
Naltrexone	Naltrexone-D3	4.531	2030704	387179	5.2449	243.0948
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.683	482280	709968	0.6793	24.8692
Naltrexol	Naltrexol-D3	4.810	5474797	888014	6.1652	246.8915
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	4.958	12574047	2262186	5.5584	247.4013
Ketamine	Ketamine-D4	5.759	6911671	1225517	5.6398	241.6308
Norfentanyl	Norfentanyl-D5	5.802	533969	951707	0.5611	26.0852
alpha-PVP	alpha-PVP-d8	6.107	3253271	592448	5.4912	244.1322
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.417	83951	210705	0.3984	26.2780
Norbuprenorphine	Norbuprenorphine-D3	6.752	2805	6240	0.4495	23.7714
Fentanyl	Fentanyl-D5	6.820	57652	123848	0.4655	22.3135
EDDP	EDDP-D3	6.950	408816	71038	5.7549	246.5517
Quetiapine	Quetiapine-D8	7.159	3613688	136072	26.5573	251.8823
Sufentanil	Sufentanil-D5	7.178	43319	83133	0.5211	22.5658
Cyclobenzaprine	Cyclobenzaprine-D3	7.232	419602	62351	6.7297	253.9962
Methadone	Methadone-D9	7.242	1682697	261404	6.4371	251.2093

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

TS

b cal 6-250ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.304	1193653	208623	5.7216	241.1776
Oxazepam	Oxazepam-D5	7.308	840736	185884	4.5229	248.5519
Sertraline	Sertraline-D3	7.365	592430	90240	6.5651	264.5150
Temazepam	Temazepam-D5	7.367	6107618	1322130	4.6195	236.6454
Buprenorphine	Buprenorphine-D4	7.376	52309	41970	1.2464	21.9540
Nordiazepam	Nordiazepam-D5	7.434	2405004	270341	8.8962	244.9893
Diazepam	Diazepam-D5	7.490	2845316	469022	6.0665	223.7506

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

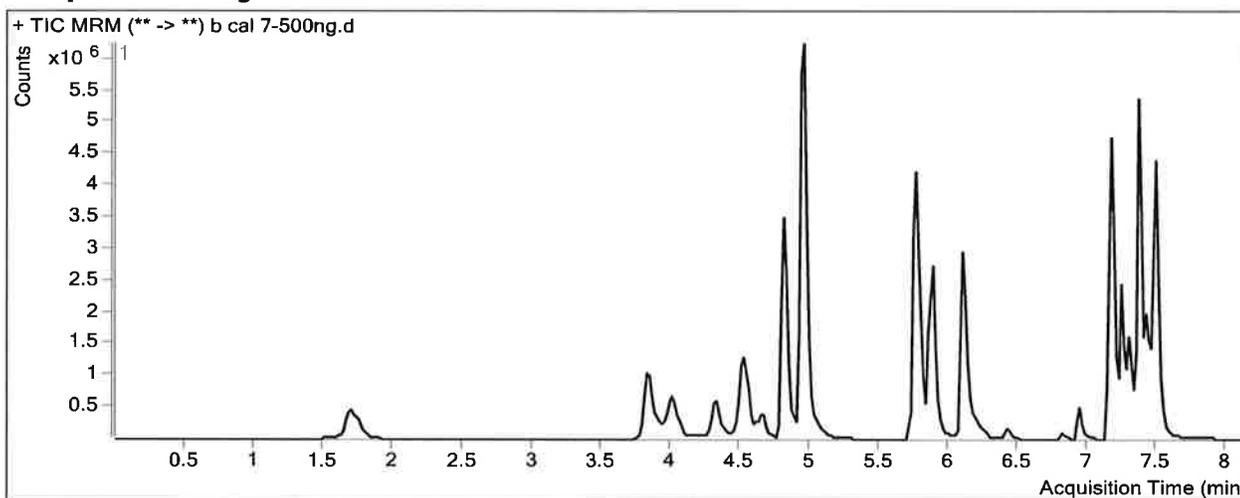
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Analysis Time 2/26/2018 8:38 AM **Analyst Name** ISPUser
Report Time 2/26/2018 8:41 AM **Reporter Name** ISPUser
Last Calib Update 2/26/2018 8:38 AM **Batch State** Processed

Analysis Info

Acq Time 2018-02-21 07:33 **Data File** b cal 7-500ng.d
Sample Type Calibration **Sample Name** b cal 7-500ng
Dilution 1 **Acq Method** MD Quant Panel 1b 12-12-17.m
Position P1-G1 **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	1.708	2582304	164915	15.6584	507.9562
Dihydrocodeine	Dihydrocodeine-D6	3.837	2188377	231716	9.4442	541.7749
Naloxone	Naloxone-D5	4.010	2982902	322657	9.2448	525.2840
Noroxycodone	Noroxycodone-D3	4.339	2008964	120746	16.6379	479.7655
Naltrexone	Naltrexone-D3	4.531	2968952	273568	10.8527	502.4421
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.683	874993	587348	1.4897	54.4242
Naltrexol	Naltrexol-D3	4.810	8437628	666047	12.6682	506.7168
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	4.958	20983706	1802013	11.6446	517.7742
Ketamine	Ketamine-D4	5.759	11913169	1011502	11.7777	503.9756
Norfentanyl	Norfentanyl-D5	5.802	915105	986004	0.9281	42.8019
alpha-PVP	alpha-PVP-d8	6.107	6698241	577752	11.5936	514.4580
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.417	190390	232642	0.8184	53.8928
Norbuprenorphine	Norbuprenorphine-D3	6.752	5613	5645	0.9943	53.1231
Fentanyl	Fentanyl-D5	6.820	110350	106021	1.0408	49.2979
EDDP	EDDP-D3	6.950	983157	81906	12.0035	512.1427
Quetiapine	Quetiapine-D8	7.159	8417598	156860	53.6630	508.2490
Sufentanil	Sufentanil-D5	7.178	81077	69069	1.1738	50.5899
Cyclobenzaprine	Cyclobenzaprine-D3	7.232	884420	65359	13.5318	509.7967
Methadone	Methadone-D9	7.242	3417902	253209	13.4983	526.2618

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

TS

b cal 7-500ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.304	1808969	149521	12.0984	507.9737
Oxazepam	Oxazepam-D5	7.308	1105349	117115	9.4382	517.2543
Sertraline	Sertraline-D3	7.345	839861	66913	12.5515	504.9114
Temazepam	Temazepam-D5	7.367	8572046	898148	9.5441	487.2657
Buprenorphine	Buprenorphine-D4	7.376	101614	35230	2.8843	46.7814
Nordiazepam	Nordiazepam-D5	7.434	3355104	182654	18.3686	504.9718
Diazepam	Diazepam-D5	7.490	4192388	294160	14.2521	524.9735

TS

ISP FORENSICS - Pocatello Instrument # 59740

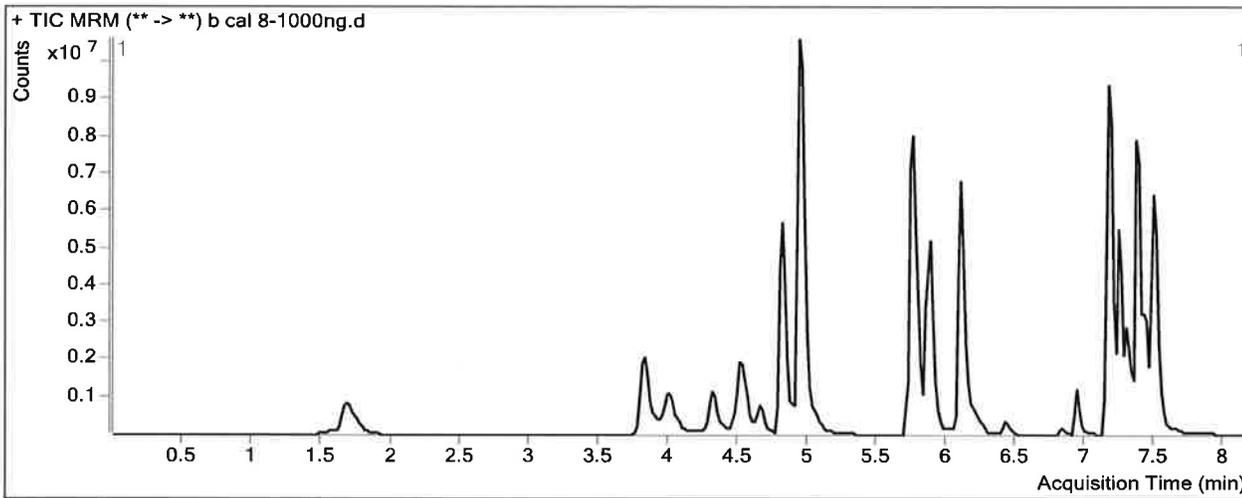
Multi-Drug Confirmatory Analysis Report

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Analysis Time 2/26/2018 8:38 AM **Analyst Name** ISPUser
Report Time 2/26/2018 8:41 AM **Reporter Name** ISPUser
Last Calib Update 2/26/2018 8:38 AM **Batch State** Processed

Analysis Info

Acq Time 2018-02-21 08:05 **Data File** b cal 8-1000ng.d
Sample Type Calibration **Sample Name** b cal 8-1000ng
Dilution 1 **Acq Method** MD Quant Panel 1b 12-12-17.m
Position P1-H1 **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	1.688	5106375	166392	30.6889	994.3358
Dihydrocodeine	Dihydrocodeine-D6	3.837	4199213	254743	16.4841	945.5777
Naloxone	Naloxone-D5	4.010	5349614	273223	19.5796	1111.3288
Noroxycodone	Noroxycodone-D3	4.319	3791696	109384	34.6640	998.2783
Naltrexone	Naltrexone-D3	4.531	4854322	222911	21.7770	1007.6613
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.663	1860446	582967	3.1913	116.4783
Naltrexol	Naltrexol-D3	4.810	15508864	623350	24.8799	994.6303
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	4.938	40498065	1825638	22.1830	985.9278
Ketamine	Ketamine-D4	5.759	26236877	1118545	23.4563	1003.1383
Norfentanyl	Norfentanyl-D5	5.802	2307337	995579	2.3176	106.0875
alpha-PVP	alpha-PVP-d8	6.107	15581832	667430	23.3460	1035.0695
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.417	453795	313872	1.4458	95.1492
Norbuprenorphine	Norbuprenorphine-D3	6.752	11270	6232	1.8083	96.9831
Fentanyl	Fentanyl-D5	6.840	266714	120032	2.2220	104.6995
EDDP	EDDP-D3	6.950	2361164	100378	23.5227	1001.7519
Quetiapine	Quetiapine-D8	7.159	18170963	196939	92.2668	873.3642
Sufentanil	Sufentanil-D5	7.178	210412	88466	2.3784	102.3057
Cyclobenzaprine	Cyclobenzaprine-D3	7.232	1892761	72134	26.2394	987.6778
Methadone	Methadone-D9	7.242	8579454	319240	26.8746	1047.3037

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

TS

b cal 8-1000ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.304	3185420	133234	23.9084	1002.0827
Oxazepam	Oxazepam-D5	7.329	1913557	105647	18.1128	991.4692
Sertraline	Sertraline-D3	7.365	1536937	58459	26.2910	1056.6527
Temazepam	Temazepam-D5	7.387	15433704	760909	20.2832	1033.7947
Buprenorphine	Buprenorphine-D4	7.376	188254	27684	6.8002	106.1364
Nordiazepam	Nordiazepam-D5	7.455	5534315	144164	38.3890	1054.4534
Diazepam	Diazepam-D5	7.490	7706993	274160	28.1113	1034.9830