



















A

Worklist: 2301

<u>LAB_CASE</u>	<u>ITEM</u>	<u>TASK_ID</u>	<u>DESCRIPTION</u>	
M2018-0448	2	111931	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-0675	1	111932	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-0799	3	111933	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-0836	1	111934	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-0917	1	111935	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-1067	1	111936	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-0234	1	111937	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-0328	2	111939	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-0363	1	111940	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-0633	1	111941	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-0636	1	111942	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-0640	1	111943	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-0651	1	111944	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-0699	1	111945	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-0725	1	111946	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-0726	1	111947	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-0737	1	111948	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-0759	1	111949	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	

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

P

Extraction Date: 03/31/18
Plate lot#: 0507680

Analyst: Sarah Pickle
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: 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.

Post-Analytic

- 1. Create batch and process data.
Worklist path: *033118 MDQ Panel 1 SP worklist 2301*
Batch Name: *033118 MDQP1a SP worklist 2301, 033118 MDQP1b SP worklist 2301*
- 2. Make necessary changes to integration limits
- 3. Integration linear and r^2 values ≥ 0.98 for each analyte.
- 4. For unknown samples and controls: response ratio within 20% of average of controls and standards, RT within +/- 5%, S/N for primary transition >10 and secondary transition >5 .
- 5. Did all QCs pass for each analyte? Y / N _____
- 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS: *Did not evaluate: Norbuprenorphine, Buprenorphine*

Curve Range Limited: Norhydrocodone 25-1000, 6-MAM 1-100, Phentermine 25-1000, Lorazepam 5-100, Norfentanyl 1-100, Acetyl Fentanyl 1-100, EDDP 10-1000, Sufentanil 1-100



Idaho State Police Forensic Services

D

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

Analyst: Sarah Pickle
Extraction Date: 03/31/18
Worklist Number: 2301

<i>Reagent</i>	<i>Lot Number</i>	<i>Expiration Date</i>	<i>Date in Service</i>	<i>Date Out of Service</i>	<i>Initials</i>
ToxBox Benzo/Opiate Quant Plate	0507680	06/05/2018			
Negative Blood	361331-2		12/27/17		
Methanol External Control Solution	121217	06/12/18	12/12/17		
Blood External Control Solution	WS121217	06/12/18	12/12/17		
0.5M Ammonium Hydroxide	032918	09/29/18	03/29/18		
Formic Acid (LCMS Grade)	095180B		11/15/17		
Water (LCMS Grade)	177528		03/5/18		
Methanol (LCMS Grade)	172517		03/19/18		
Ammonium Formate (LCMS Grade)	A0287238		01/30/17		
Ammonium Hydroxide (ACS grade or better)	053200		08/03/07		
Ethyl Acetate (ACS grade or better)	100362		06/26/17		
20% LCMS Methanol in LCMS Water	033118	Make fresh	03/31/18		
5mM Ammonium Formate + 0.01% Formic Acid in Water (Mobile Phase A)	031918		03/19/18		
0.01% Formic Acid in Methanol (Mobile Phase B)	031918		03/19/18		
Needle Rinse--75% LCMS MeOH in LCMS Water	030818		03/08/18		

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

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>	<i>Expiration Date</i>
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.

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

0.5M Ammonium Hydroxide (Lot: 032918)

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
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)

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
MeOH (LCMS Grade)	Fisher	172517
Water (LCMS Grade)	Fisher	177528

5mM Ammonium Formate + 0.01% Formic Acid in Water (Lot: 031918)

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
Ammonium Formate	Arcos Organics	A0287238
LCMS Water	Fisher	177528
Formic Acid	Fisher	095180B
Prepared:	03/19/18	
Prepared By:	Tamara Salazar	

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

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
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: 030818)

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
MeOH (LCMS Grade)	Fisher	072516
Water (LCMS Grade)	Fisher	177528
Prepared:	03/08/18	
Prepared By:	Tamara Salazar	

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

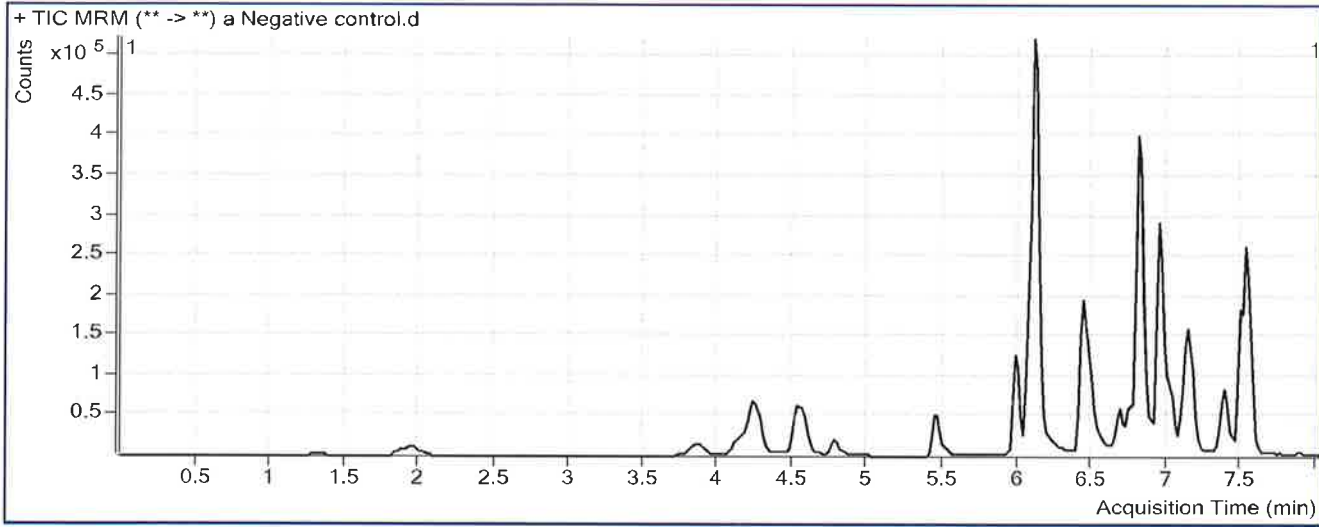
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Report Time	4/10/2018 8:16 AM	Reporter Name	ISPUser
Last Calib Update	4/9/2018 3:02 PM	Batch State	Processed

Analysis Info

Acq Time	2018-03-31 18:27	Data File	a Negative control.d
Sample Type	Sample	Sample Name	a Negative control
Dilution	1	Acq Method	MD Quant Panel 1a 1-19-2018.m
Position	P1-E2	Sample Info	
Inj Vol	-1	Comment	AM 28 worklist 2301

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Tramadol	Tramadol-13C-D3	6.118	11639	1883972	0.0062	1.0046 <5
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.480	562	110688	0.0051	1.5165 <5

ISP FORENSICS - Pocatello Instrument # 59740

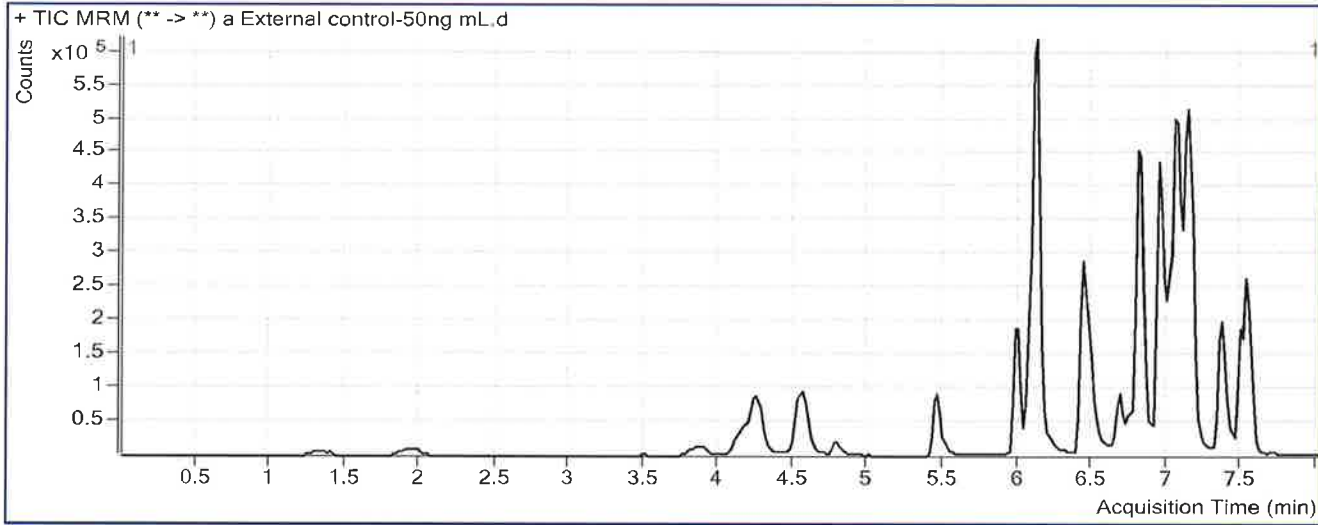
Multi-Drug Confirmatory Analysis Report

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Analysis Time 4/9/2018 3:02 PM **Analyst Name** ISPUser
Report Time 4/10/2018 8:16 AM **Reporter Name** ISPUser
Last Calib Update 4/9/2018 3:02 PM **Batch State** Processed

Analysis Info

Acq Time 2018-03-31 18:59 **Data File** a External control-50ng mL.d
Sample Type Sample **Sample Name** a External control-50ng mL
Dilution 1 **Acq Method** MD Quant Panel 1a 1-19-2018.m
Position P1-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
<u>Morphine</u>	Morphine-D6	1.348	36101	12825	2.8150	50.9870
Amphetamine	Amphetamine-D11	4.264	41682	170381	0.2446	3.0737 ⁵
Tramadol	Tramadol-13C-D3	6.118	12094	2304682	0.0052	0.9618 ⁵
<u>Trazodone</u>	Trazodone-D6	7.055	773421	600555	1.2878	42.7979

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

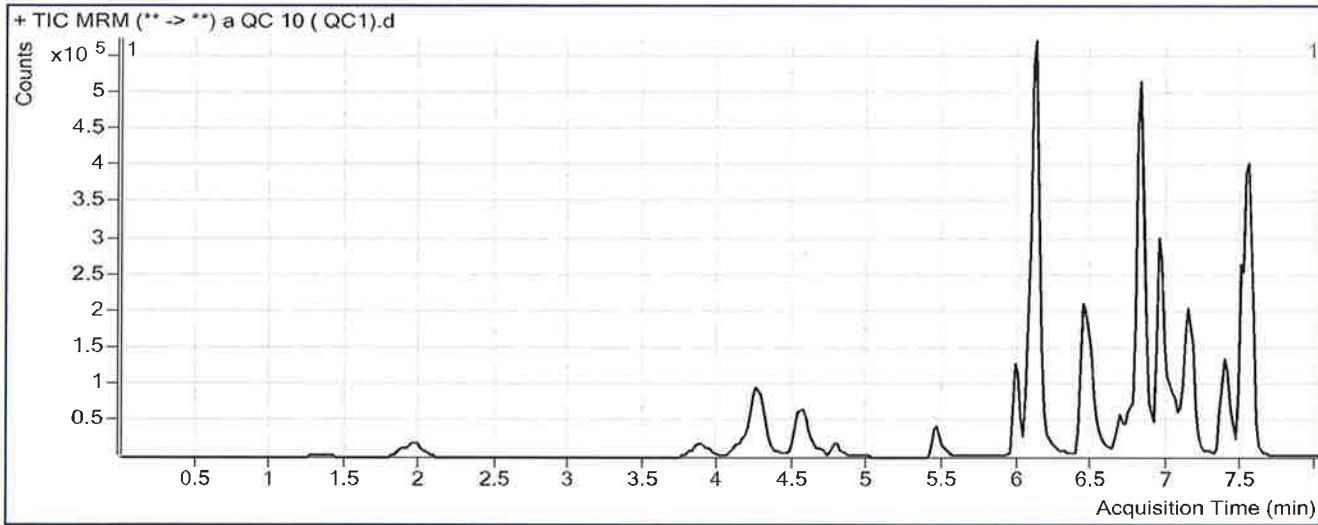
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Report Time 4/10/2018 9:17 AM **Reporter Name** ISPUser
Last Calib Update 4/10/2018 9:12 AM **Batch State** Processed

Analysis Info

Acq Time 2018-03-31 20:02 **Data File** a QC 10 (QC1).d
Sample Type QC **Sample Name** a QC 10 (QC1)
Dilution 1 **Acq Method** MD Quant Panel 1a 1-19-2018.m
Position P1-A2 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist 2301

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.348	9983	17961	0.5558	10.7143
Hydromorphone	Hydromorphone-D6	1.989	33064	116873	0.2829	9.7548
Codeine	Codeine-D6	3.932	11094	57297	0.1936	9.4950
Amphetamine	Amphetamine-D11	4.284	59474	75900	0.7836	10.1410
Oxycodone	Oxycodone-D6	4.290	111656	405673	0.2752	9.9300
Hydrocodone	Hydrocodone-D6	4.574	30777	202492	0.1520	8.8478
Norhydrocodone	Norhydrocodone-D3	4.618	1267	40635	0.0312	19.8104
Methamphetamine	Methamphetamine-D11	4.662	25473	86788	0.2935	9.2160
6-MAM	6-MAM-D6	4.809	1876	74046	0.0253	1.3563
Phentermine	Phentermine-D5	5.506	17379	166161	0.1046	9.7852
Dextrorphan	Dextrorphan-D3	5.981	36554	389614	0.0938	9.6426
7-aminoclonazepam	7-Aminoclonazepam-D4	6.093	82601	375761	0.2198	9.0538
Tramadol	Tramadol-13C-D3	6.118	335125	1686982	0.1987	9.8629
Doxylamine	Doxylamine-D5	6.463	144786	791359	0.1830	9.5999
Bupropion	Bupropion-D9	6.710	37759	142659	0.2647	9.8071
Meprobamate	Meprobamate-D7	6.792	40995	162711	0.2519	9.7389
Zolpidem	Zolpidem-D6	6.842	287707	1758998	0.1636	9.8983
Venlafaxine	Venlafaxine-D6	6.945	186009	786262	0.2366	10.3351
Trazodone	Trazodone-D6	7.055	64713	233218	0.2775	9.9400
Citalopram	Citalopram-D6	7.097	38297	198352	0.1931	10.2387

outside
curve
range P

outside
curve
range P

ISP FORENSICS - Pocatello Instrument # 59740**Multi-Drug Confirmatory Analysis Report**a QC10 (QC1) *PS*

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Dextromethorphan	Dextromethorphan-D3	7.130	13250	57190	0.2317	9.3403
Diphenhydramine	Diphenhydramine-D3	7.153	69900	440662	0.1586	9.4557
Promethazine	Promethazine-D3	7.368	43286	195958	0.2209	9.3739
Clonazepam	Clonazepam-D4	7.405	110005	104339	1.0543	9.9691
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.480	22448	110809	0.2026	9.9257
Carisoprodol	Carisoprodol-D7	7.514	105251	415988	0.2530	10.2487
Lorazepam	Alprazolam-D5	7.523	54434	717343	0.0759	10.1858
Alprazolam	Alprazolam-D5	7.547	229071	717343	0.3193	9.7930

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

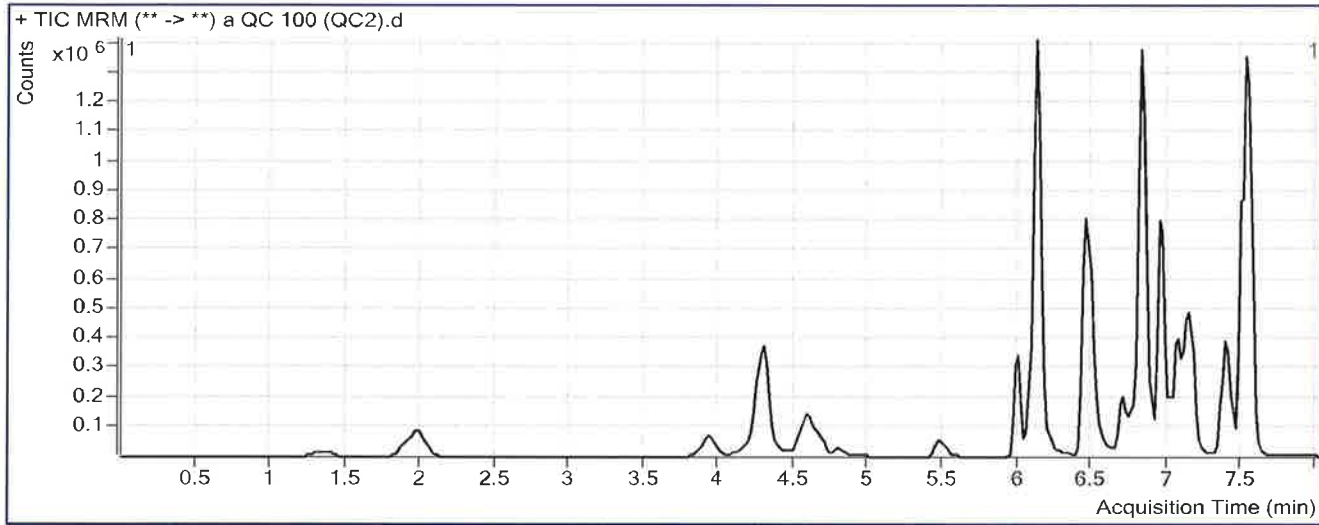
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Report Time	4/10/2018 9:17 AM	Reporter Name	ISPUser
Last Calib Update	4/10/2018 9:12 AM	Batch State	Processed

Analysis Info

Acq Time	2018-03-31 21:36	Data File	a QC 100 (QC2).d
Sample Type	QC	Sample Name	a QC 100 (QC2)
Dilution	1	Acq Method	MD Quant Panel 1a 1-19-2018.m
Position	P1-B2	Sample Info	
Inj Vol	-1	Comment	AM 28 worklist 2301

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.348	98670	15976	6.1763	110.9071
Hydromorphone	Hydromorphone-D6	1.989	328358	102570	3.2013	97.9506
Codeine	Codeine-D6	3.932	110961	42979	2.5817	101.0834
Amphetamine	Amphetamine-D11	4.304	514770	59606	8.6362	113.1156
Oxycodone	Oxycodone-D6	4.290	1042255	343201	3.0369	97.9818
Hydrocodone	Hydrocodone-D6	4.594	314432	172014	1.8279	102.3648
Norhydrocodone	Norhydrocodone-D3	4.618	14000	33111	0.4228	93.0739
Methamphetamine	Methamphetamine-D11	4.662	220506	72915	3.0242	78.6751
6-MAM	6-MAM-D6	4.809	14102	63412	0.2224	9.3806
Phentermine	Phentermine-D5	5.506	169289	149446	1.1328	100.2948
Dextrophan	Dextrophan-D3	6.002	359019	339235	1.0583	97.8331
7-aminoclonazepam	7-Aminoclonazepam-D4	6.093	739290	298285	2.4785	105.1798
Tramadol	Tramadol-13C-D3	6.139	2922162	1427415	2.0472	94.9367
Doxylamine	Doxylamine-D5	6.463	1387278	696108	1.9929	97.7194
Bupropion	Bupropion-D9	6.710	325926	124843	2.6107	88.8266
Meprobamate	Meprobamate-D7	6.792	368843	129870	2.8401	104.2096
Zolpidem	Zolpidem-D6	6.821	2791872	1515944	1.8417	95.2455
Venlafaxine	Venlafaxine-D6	6.945	1708119	665893	2.5652	96.9119
Trazodone	Trazodone-D6	7.055	614241	206782	2.9705	97.5184
Citalopram	Citalopram-D6	7.097	384344	168001	2.2878	99.0764

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report^a QC 100 (QC2)

S

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Dextromethorphan	Dextromethorphan-D3	7.130	113445	42197	2.6884	95.8556
Diphenhydramine	Diphenhydramine-D3	7.153	612159	343070	1.7844	98.4999
Promethazine	Promethazine-D3	7.368	362815	145371	2.4958	89.8992
Clonazepam	Clonazepam-D4	7.405	843688	64738	13.0323	117.0552
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.460	179938	81804	2.1996	94.9534
Carisoprodol	Carisoprodol-D7	7.494	842290	334597	2.5173	94.9131
Lorazepam	Alprazolam-D5	7.523	312895	558952	0.5598	89.4261
Alprazolam	Alprazolam-D5	7.547	1911030	558952	3.4190	97.3414

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

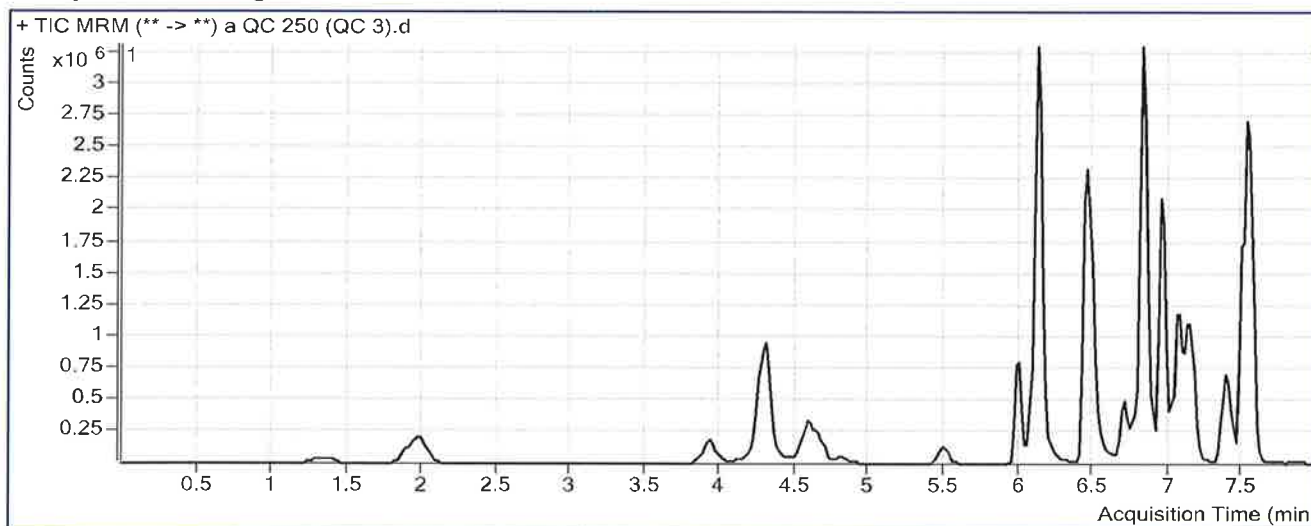
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Report Time	4/10/2018 9:17 AM	Reporter Name	ISPUser
Last Calib Update	4/10/2018 9:12 AM	Batch State	Processed

Analysis Info

Acq Time	2018-03-31 23:41	Data File	a QC 250 (QC 3).d
Sample Type	QC	Sample Name	a QC 250 (QC 3)
Dilution	1	Acq Method	MD Quant Panel 1a 1-19-2018.m
Position	P1-C2	Sample Info	
Inj Vol	-1	Comment	AM 28 worklist 2301

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.348	257817	18312	14.0790	251.7822
Hydromorphone	Hydromorphone-D6	1.969	874490	105180	8.3142	252.4670
Codeine	Codeine-D6	3.932	283493	49600	5.7155	221.2694
Amphetamine	Amphetamine-D11	4.284	1291478	70581	18.2979	239.8116
Oxycodone	Oxycodone-D6	4.290	2851045	373214	7.6392	244.7219
Hydrocodone	Hydrocodone-D6	4.574	844151	187719	4.4969	251.2895
Norhydrocodone	Norhydrocodone-D3	4.618	40237	32646	1.2325	244.5479
Methamphetamine	Methamphetamine-D11	4.662	670084	77454	8.6514	221.8131
6-MAM	6-MAM-D6	4.809	39249	68323	0.5745	23.7182
Phentermine	Phentermine-D5	5.506	457296	166784	2.7419	241.9376
Dextrorphan	Dextrorphan-D3	5.981	1036076	394564	2.6259	241.1656
7-aminoclonazepam	7-Aminoclonazepam-D4	6.093	1790734	304748	5.8761	249.7799
Tramadol	Tramadol-13C-D3	6.118	8567993	1640524	5.2227	241.0840
Doxylamine	Doxylamine-D5	6.463	4186407	862301	4.8549	237.0603
Bupropion	Bupropion-D9	6.710	938910	132354	7.0940	239.8348
Meprobamate	Meprobamate-D7	6.792	857962	125582	6.8319	249.9156
Zolpidem	Zolpidem-D6	6.821	7625705	1600733	4.7639	243.8667
Venlafaxine	Venlafaxine-D6	6.945	5200186	832596	6.2457	233.7566
Trazodone	Trazodone-D6	7.055	1904422	257146	7.4060	241.7659
Citalopram	Citalopram-D6	7.097	1058118	185720	5.6974	243.6829

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report a QC 250 (QC 3)

P

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Dextromethorphan	Dextromethorphan-D3	7.130	282792	41252	6.8553	242.5923
Diphenhydramine	Diphenhydramine-D3	7.153	1606945	368231	4.3640	239.7894
Promethazine	Promethazine-D3	7.368	780192	126607	6.1623	219.6836
Clonazepam	Clonazepam-D4	7.405	1649537	60498	27.2658	244.3064
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.460	395041	71083	5.5575	237.9203
Carisoprodol	Carisoprodol-D7	7.494	1819977	308668	5.8962	221.2526
Lorazepam	Alprazolam-D5	7.523	554575	509187	1.0891	176.1079
Alprazolam	Alprazolam-D5	7.547	4409916	509187	8.6607	245.3939

outside
curve
range P

ISP FORENSICS - Pocatello Instrument # 59740

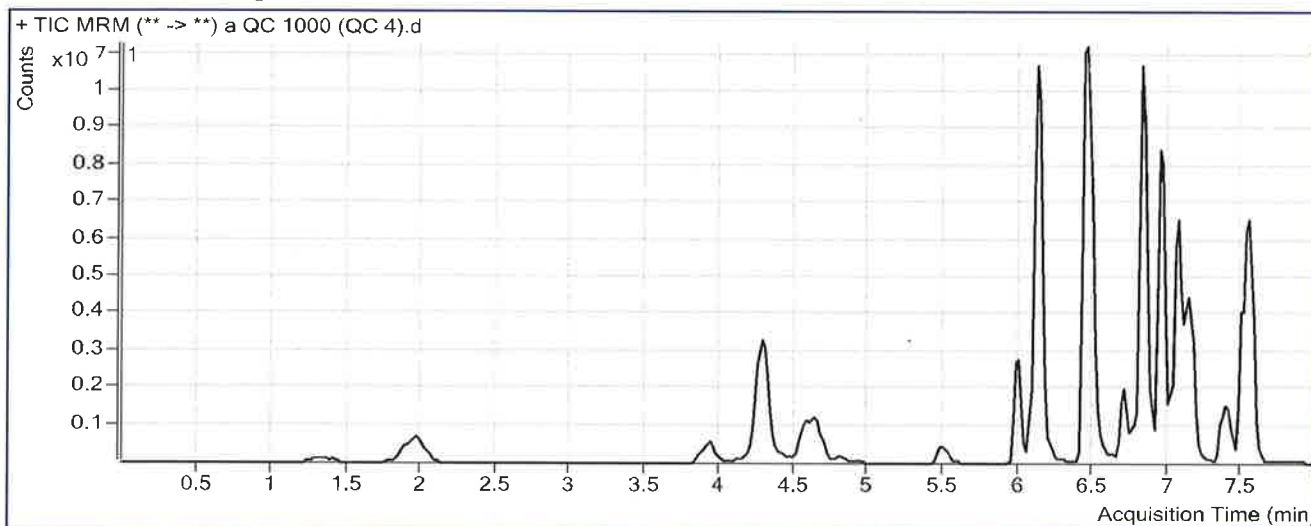
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2018\MD Quant\033118 MDQ Panel 1 SP worklist 2301\QuantResults\033118 MDQP1a SF		
Analysis Time	4/10/2018 9:12 AM	Analyst Name	ISPUser
Report Time	4/10/2018 9:17 AM	Reporter Name	ISPUser
Last Calib Update	4/10/2018 9:12 AM	Batch State	Processed

Analysis Info

Acq Time	2018-04-01 01:47	Data File	a QC 1000 (QC 4).d
Sample Type	QC	Sample Name	a QC 1000 (QC 4)
Dilution	1	Acq Method	MD Quant Panel 1a 1-19-2018.m
Position	P1-D2	Sample Info	
Inj Vol	-1	Comment	AM 28 worklist 2301

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.348	902584	14750	61.1926	1091.6387
Hydromorphone	Hydromorphone-D6	1.969	3146689	88722	35.4668	1073.0341
Codeine	Codeine-D6	3.932	932347	35009	26.6316	1023.4374
Amphetamine	Amphetamine-D11	4.284	5181613	78370	66.1173	866.8840
Oxycodone	Oxycodone-D6	4.270	10817023	338066	31.9968	1021.3411
Hydrocodone	Hydrocodone-D6	4.574	3057542	171603	17.8175	994.5708
Norhydrocodone	Norhydrocodone-D3	4.618	143730	27073	5.3089	1007.1513
Methamphetamine	Methamphetamine-D11	4.662	3969108	106962	37.1076	945.6456
6-MAM	6-MAM-D6	4.789	154904	59079	2.6220	107.1003
Phentermine	Phentermine-D5	5.506	2055670	199502	10.3040	907.6184
Dextrophan	Dextrophan-D3	6.002	4175261	362552	11.5163	1054.0761
7-aminoclonazepam	7-Aminoclonazepam-D4	6.093	4921291	216885	22.6908	965.3968
Tramadol	Tramadol-13C-D3	6.118	34984508	1622676	21.5598	992.9592
Doxylamine	Doxylamine-D5	6.463	21031652	1010606	20.8109	1013.8980
Bupropion	Bupropion-D9	6.710	3728890	122637	30.4060	1025.0451
Meprobamate	Meprobamate-D7	6.792	2420628	94061	25.7348	939.8929
Zolpidem	Zolpidem-D6	6.821	27177618	1404295	19.3532	985.8675
Venlafaxine	Venlafaxine-D6	6.945	24635198	902484	27.2971	1016.4474
Trazodone	Trazodone-D6	7.055	10006293	350627	28.5382	929.0046
Citalopram	Citalopram-D6	7.097	4300226	183086	23.4875	998.1798

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

a QC 1000 (QC 4) P

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Dextromethorphan	Dextromethorphan-D3	7.130	1187356	42911	27.6700	975.5901
Diphenhydramine	Diphenhydramine-D3	7.153	7452917	406727	18.3241	1004.4134
Promethazine	Promethazine-D3	7.368	2681517	99046	27.0734	959.8817
Clonazepam	Clonazepam-D4	7.405	3527770	31885	110.6412	989.7013
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.460	1132373	47597	23.7908	1014.2389
Carisoprodol	Carisoprodol-D7	7.494	4526816	178773	25.3216	947.5836
Lorazepam	Alprazolam-D5	7.523	1421992	318368	4.4665	729.1558
Alprazolam	Alprazolam-D5	7.547	11936557	318368	37.4930	1059.7568

outside
curve
range P

Calibration Curve Report

P

Batch Data Path

C:\MassHunter\Data\2018\MD Quant\033118 MDQ Panel 1 SP worklist
2301\QuantResults\033118 MDQP1a SP worklist 2301.batch.bin

Last Calib Update

4/9/2018 3:02 PM

Analyst Name

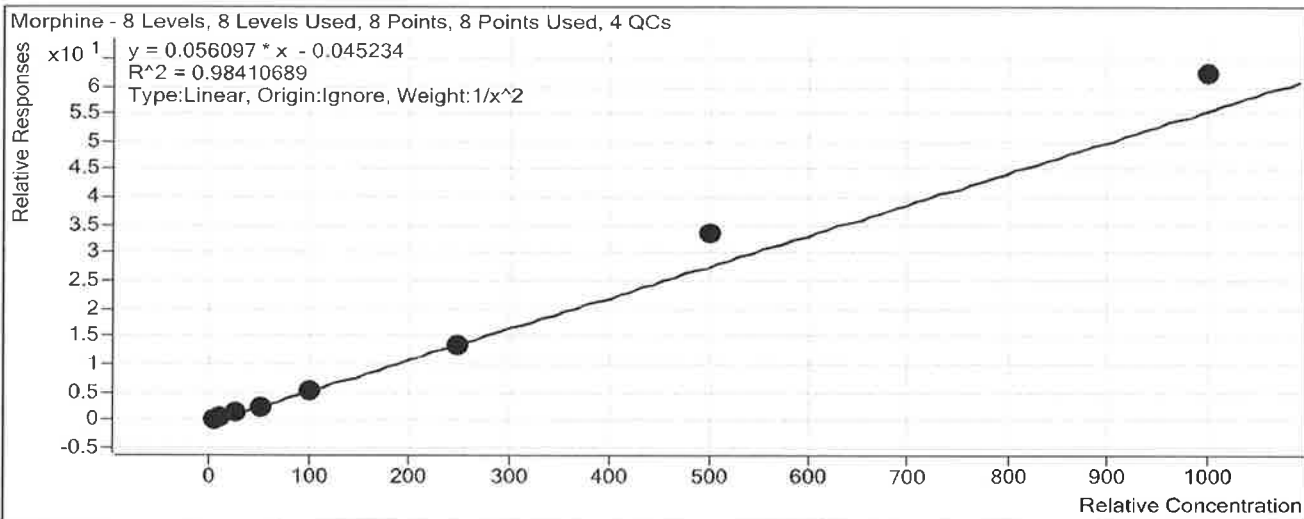
ISP TOX

Target Compound

Morphine

Internal Standard

Morphine-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.5
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.2	101.6
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.7	107.1
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.9	91.8
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	42.8	85.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	93.6	93.6
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	110.9	110.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	236.7	94.7
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	251.8	100.7
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	597.0	119.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1109.6	111.0
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1091.6	109.2

Calibration Curve Report

Batch Data Path

C:\MassHunter\Data\2018\MD Quant\033118 MDQ Panel 1 SP worklist
2301\QuantResults\033118 MDQP1a SP worklist 2301.batch.bin

Last Calib Update

4/9/2018 3:02 PM

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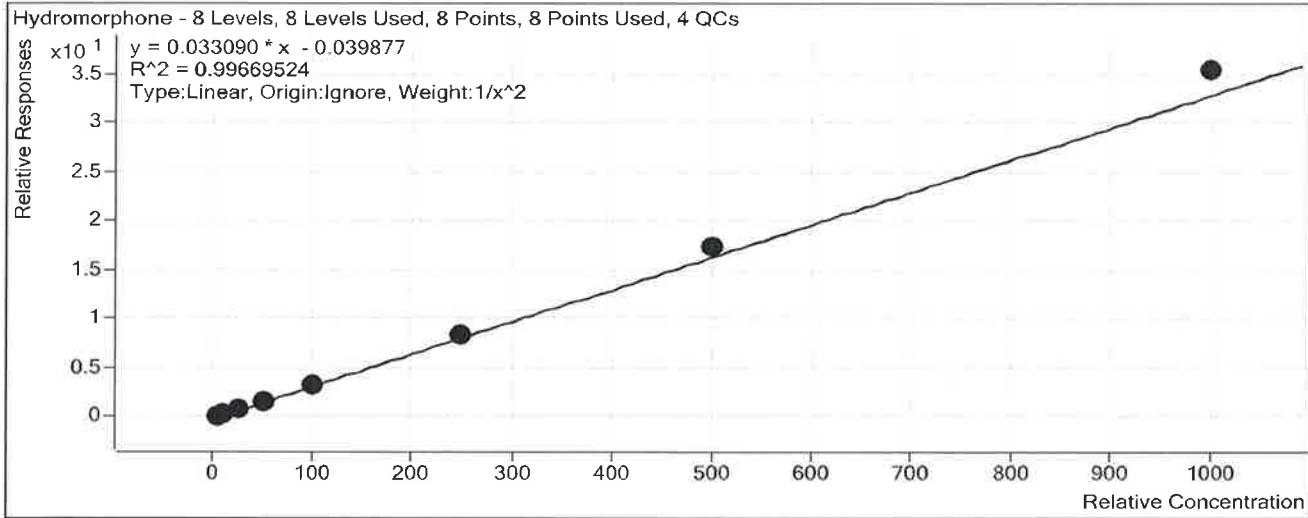
ISP TOX

Target Compound

Hydromorphone

Internal Standard

Hydromorphone-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	103.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	97.2
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.8	97.5
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.5	94.1
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.6	93.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.0	100.0
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	98.0	98.0
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	250.9	100.4
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	252.5	101.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	525.7	105.1
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1069.1	106.9
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1073.0	107.3

Calibration Curve Report

Batch Data Path

C:\MassHunter\Data\2018\MD Quant\033118 MDQ Panel 1 SP worklist
2301\QuantResults\033118 MDQP1a SP worklist 2301.batch.bin

Last Calib Update

4/9/2018 3:02 PM

Analyst Name

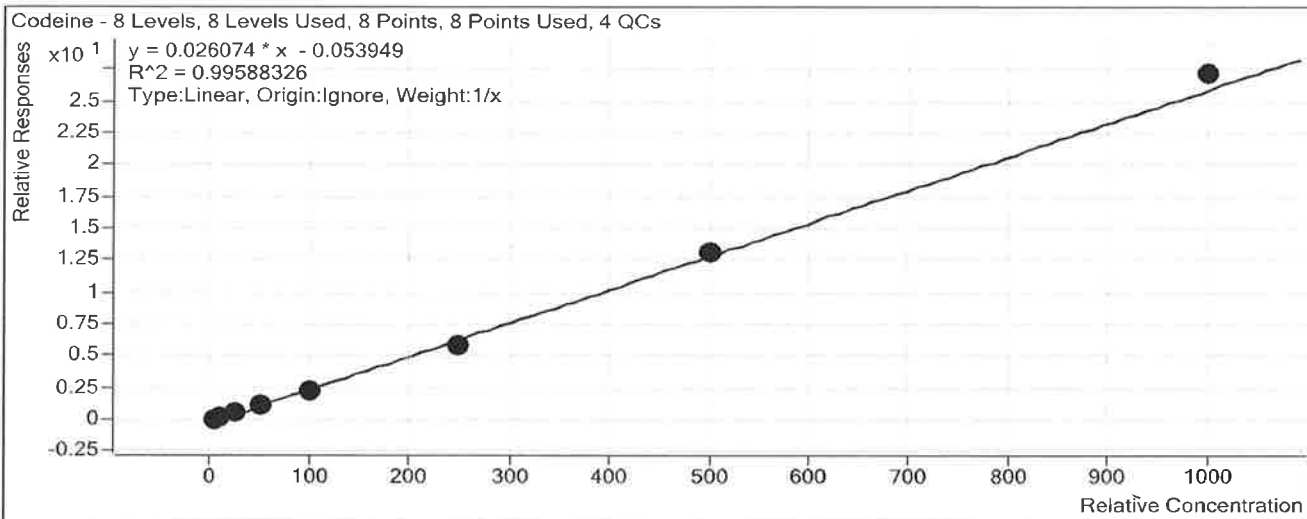
ISP TOX

Target Compound

Codeine

Internal Standard

Codeine-D6



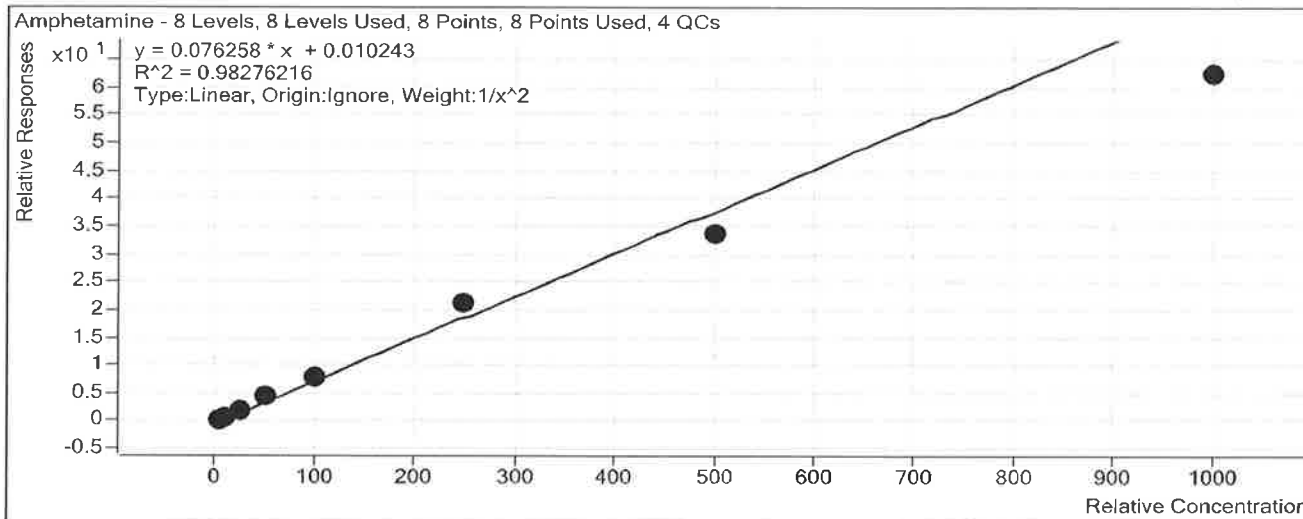
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	6.0	120.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	11.3	112.9
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.5	95.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.2	96.8
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	44.3	88.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	87.8	87.8
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	101.1	101.1
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	222.2	88.9
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	221.3	88.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	503.6	100.7
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1040.6	104.1
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1023.4	102.3

Calibration Curve Report

JS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\033118 MDQ Panel 1 SP worklist
 2301\QuantResults\033118 MDQP1a SP worklist 2301.batch.bin
Last Calib Update 4/9/2018 3:02 PM **Analyst Name** ISP TOX

Target Compound Amphetamine
Internal Standard Amphetamine-D11



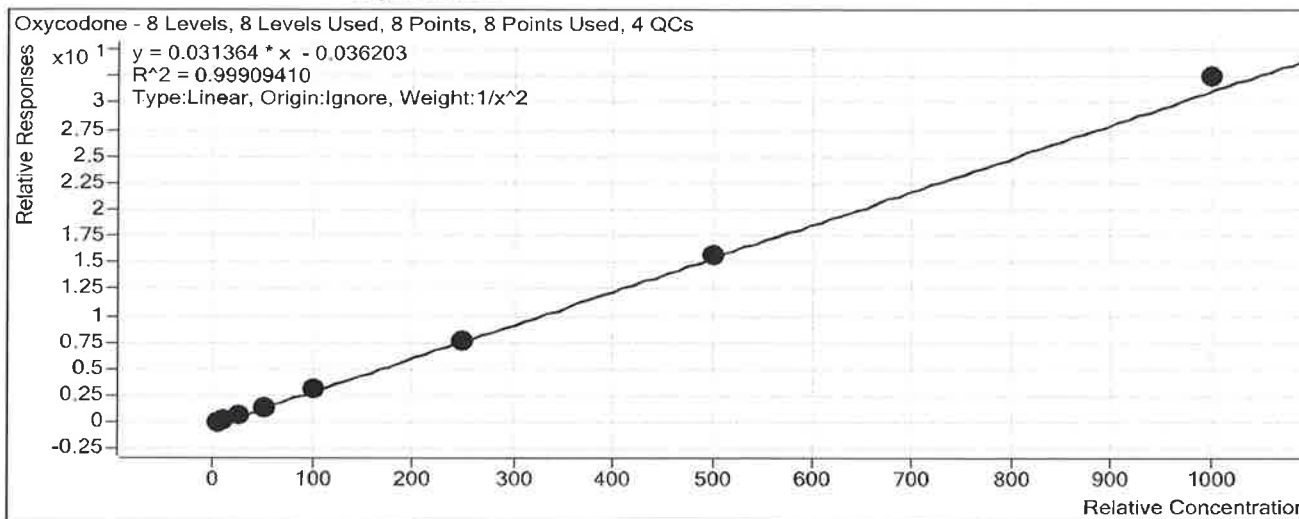
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.9	97.5
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.2	102.1
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.1	101.4
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.4	97.8
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	58.1	116.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	105.7	105.7
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	113.1	113.1
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	278.5	111.4
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	239.8	95.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	438.9	87.8
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	816.4	81.6
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	866.9	86.7

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\033118 MDQ Panel 1 SP worklist
2301\QuantResults\033118 MDQP1a SP worklist 2301.batch.bin

Last Calib Update 4/10/2018 9:12 AM **Analyst Name** ISP TOX

Target Compound Oxycodone
Internal Standard Oxycodone-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	99.8
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.2	101.8
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.9	99.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.6	98.3
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.6	95.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.8	101.8
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	98.0	98.0
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	246.2	98.5
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	244.7	97.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	504.5	100.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1036.0	103.6
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1021.3	102.1

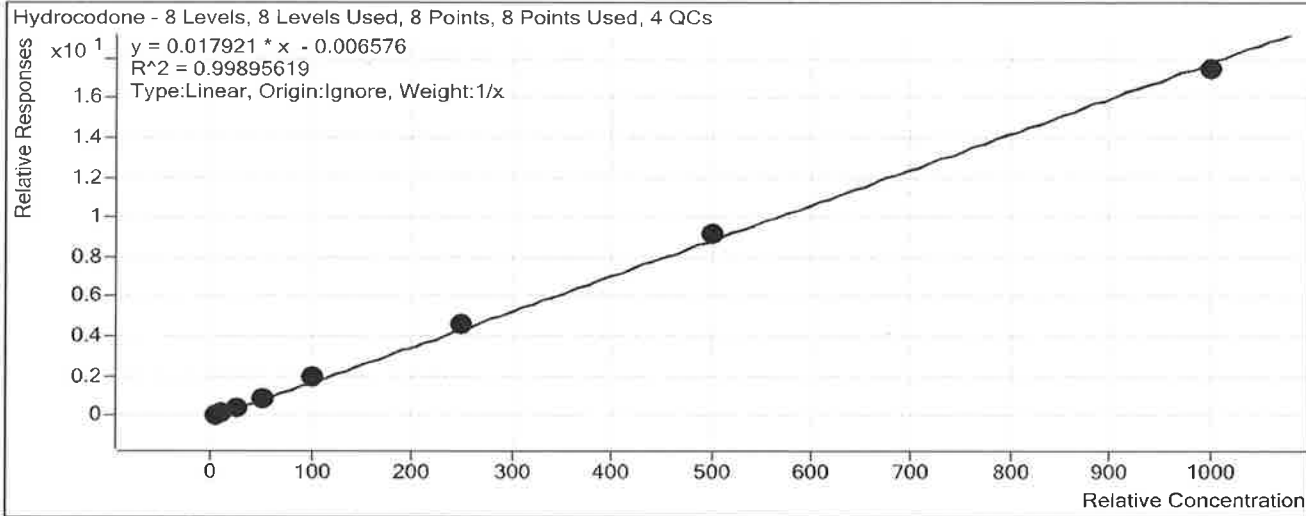
ISP Forensics Calibration Curve Report

D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\033118 MDQ Panel 1 SP worklist
2301\QuantResults\033118 MDQP1a SP worklist 2301.batch.bin

Last Calib Update 4/9/2018 3:02 PM **Analyst Name** ISP TOX

Target Compound Hydrocodone
Internal Standard Hydrocodone-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.7	94.8
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.2	91.7
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	8.8	88.5
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.1	100.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.6	103.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	106.8	106.8
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	102.4	102.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	259.2	103.7
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	251.3	100.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	510.0	102.0
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	973.3	97.3
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	994.6	99.5

ISP Forensics Calibration Curve Report

P

Batch Data Path

C:\MassHunter\Data\2018\MD Quant\033118 MDQ Panel 1 SP worklist
2301\QuantResults\033118 MDQP1a SP worklist 2301.batch.bin

Last Calib Update

4/9/2018 3:02 PM

Analyst Name

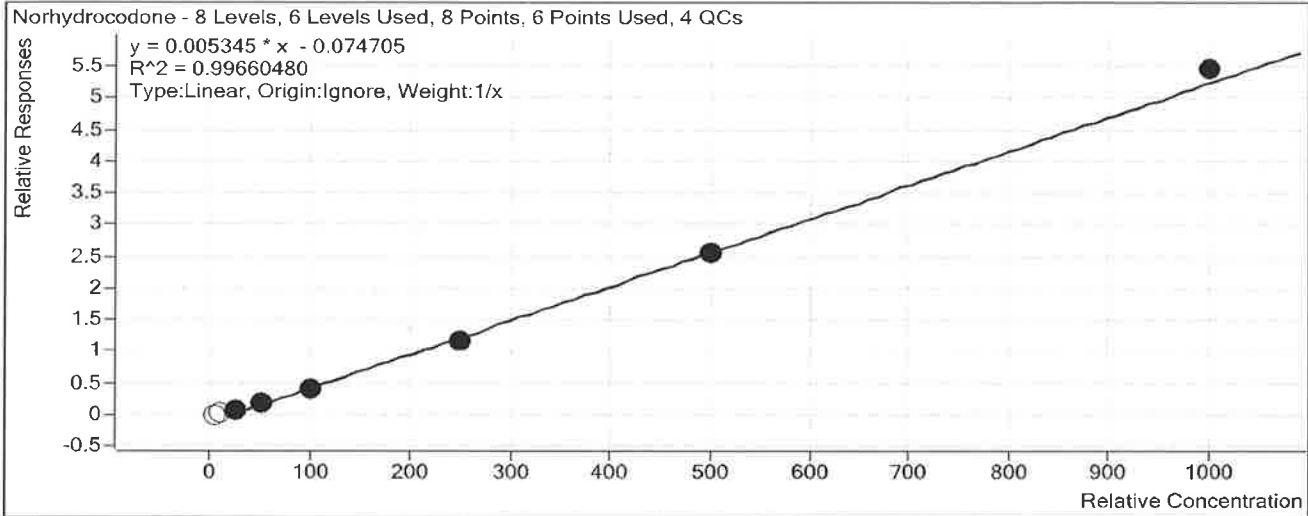
ISP TOX

Target Compound

Norhydrocodone

Internal Standard

Norhydrocodone-D3



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input type="checkbox"/>	5	16.7	334.0
a cal 2-10ng	2	<input type="checkbox"/>	10	20.5	204.5
a QC 10 (QC1)	2	<input type="checkbox"/>	10	19.8	198.1
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	29.9	119.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.6	97.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	89.0	89.0
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	93.1	93.1
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	229.9	92.0
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	244.5	97.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	494.6	98.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1033.0	103.3
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1007.2	100.7

Calibration Curve Report

Batch Data Path

C:\MassHunter\Data\2018\MD Quant\033118 MDQ Panel 1 SP worklist
2301\QuantResults\033118 MDQP1a SP worklist 2301.batch.bin

Last Calib Update

4/9/2018 3:02 PM

Analyst Name

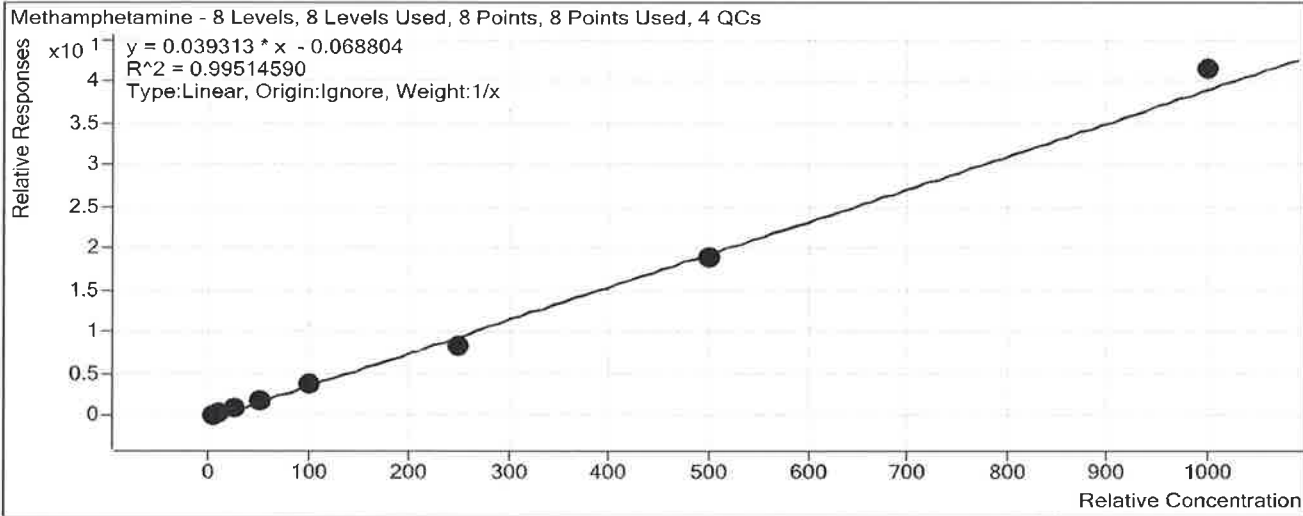
ISP TOX

Target Compound

Methamphetamine

Internal Standard

Methamphetamine-D11

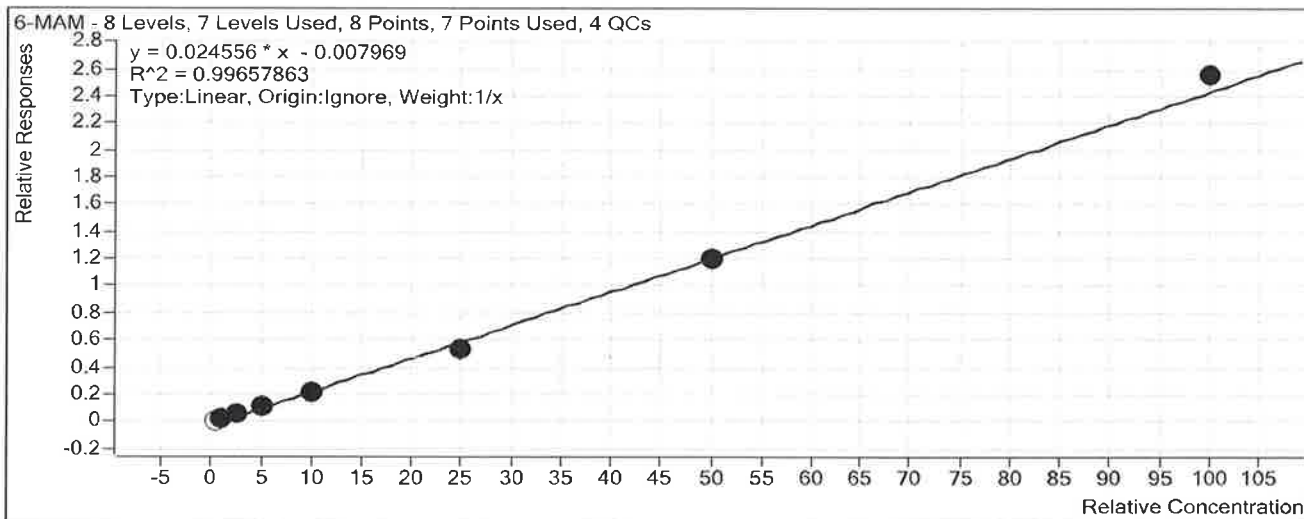


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	6.3	125.5
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	94.5
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.2	92.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.5	98.0
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.7	97.4
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	95.6	95.6
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	78.7	78.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	216.9	86.7
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	221.8	88.7
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	483.1	96.6
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1055.5	105.5
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	945.6	94.6

Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\033118 MDQ Panel 1 SP worklist
 2301\QuantResults\033118 MDQP1a SP worklist 2301.batch.bin
Last Calib Update 4/9/2018 3:02 PM **Analyst Name** ISP TOX

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



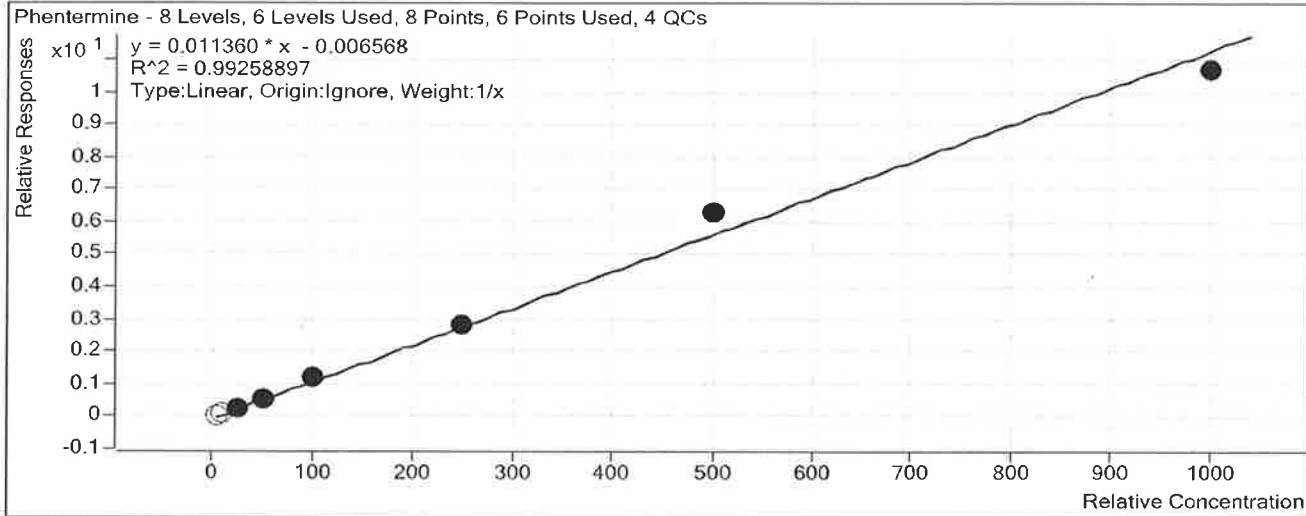
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input type="checkbox"/>	0.5	0.9	170.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.1	114.2
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	1	1.4	135.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.6	102.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	5	5.0	99.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.2	92.1
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	10	9.4	93.8
a cal 6-250ng	6	<input checked="" type="checkbox"/>	25	22.2	89.0
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	25	23.7	94.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	50	49.2	98.5
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	104.1	104.1
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	100	107.1	107.1

ISP FORENSICS Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\033118 MDQ Panel 1 SP worklist
2301\QuantResults\033118 MDQP1a SP worklist 2301.batch.bin

Last Calib Update 4/9/2018 3:02 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input type="checkbox"/>	5	4.9	98.1
a cal 2-10ng	2	<input type="checkbox"/>	10	10.9	108.7
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.8	97.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.2	96.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	45.3	90.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	106.6	106.6
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	100.3	100.3
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	251.9	100.8
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	241.9	96.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	556.6	111.3
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	940.4	94.0
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	907.6	90.8

Calibration Curve Report

Batch Data Path

C:\MassHunter\Data\2018\MD Quant\033118 MDQ Panel 1 SP worklist
2301\QuantResults\033118 MDQP1a SP worklist 2301.batch.bin

Last Calib Update

4/9/2018 3:02 PM

Analyst Name

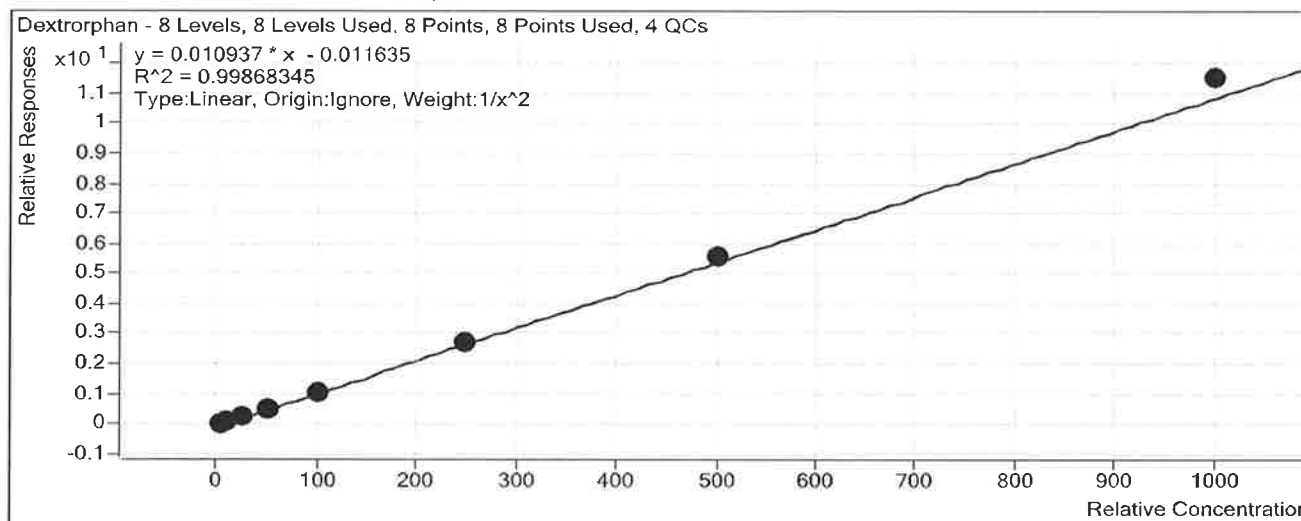
ISP TOX

Target Compound

Dextrorphan

Internal Standard

Dextrorphan-D3



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.4
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	97.0
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.6	96.4
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.4	97.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.4	96.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.2	99.2
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	97.8	97.8
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	247.8	99.1
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	241.2	96.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	513.9	102.8
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1053.6	105.4
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1054.1	105.4

Calibration Curve Report

Batch Data Path

C:\MassHunter\Data\2018\MD Quant\033118 MDQ Panel 1 SP worklist
2301\QuantResults\033118 MDQP1a SP worklist 2301.batch.bin

Last Calib Update

4/9/2018 3:02 PM

Analyst Name

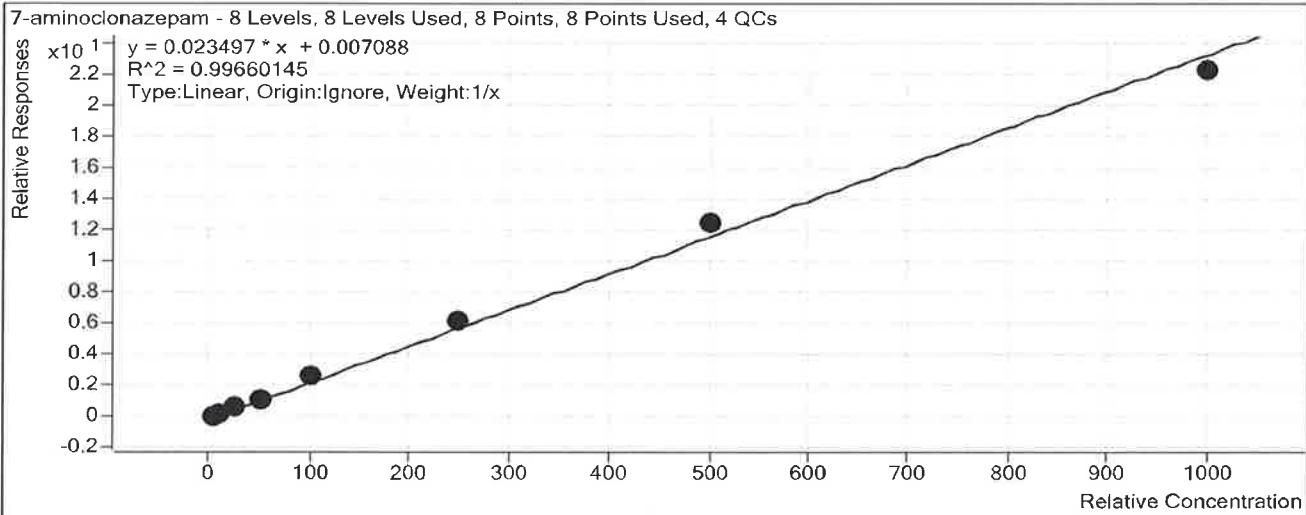
ISP TOX

Target Compound

7-aminoclonazepam

Internal Standard

7-Aminoclonazepam-D4



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.4	88.8
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.4	94.4
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.1	90.5
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.4	101.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.6	99.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	110.3	110.3
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	105.2	105.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	261.5	104.6
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	249.8	99.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	529.9	106.0
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	949.4	94.9
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	965.4	96.5

Calibration Curve Report

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Batch Data Path

C:\MassHunter\Data\2018\MD Quant\033118 MDQ Panel 1 SP worklist
2301\QuantResults\033118 MDQP1a SP worklist 2301.batch.bin

Last Calib Update

4/9/2018 3:02 PM

Analyst Name

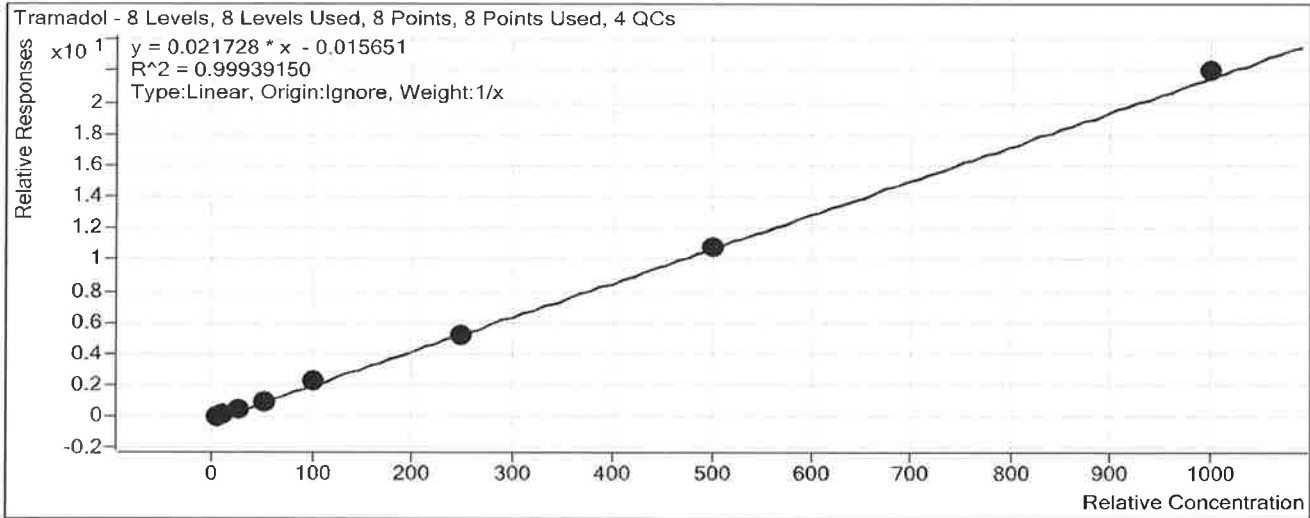
ISP TOX

Target Compound

Tramadol

Internal Standard

Tramadol-13C-D3



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	103.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.2	101.8
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.9	98.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.1	100.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.3	94.7
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.9	103.9
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	94.9	94.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	238.1	95.3
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	241.1	96.4
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	496.5	99.3
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1013.6	101.4
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	993.0	99.3

Calibration Curve Report

Batch Data Path

C:\MassHunter\Data\2018\MD Quant\033118 MDQ Panel 1 SP worklist
2301\QuantResults\033118 MDQP1a SP worklist 2301.batch.bin

Last Calib Update

4/9/2018 3:02 PM

Analyst Name

ISP TOX

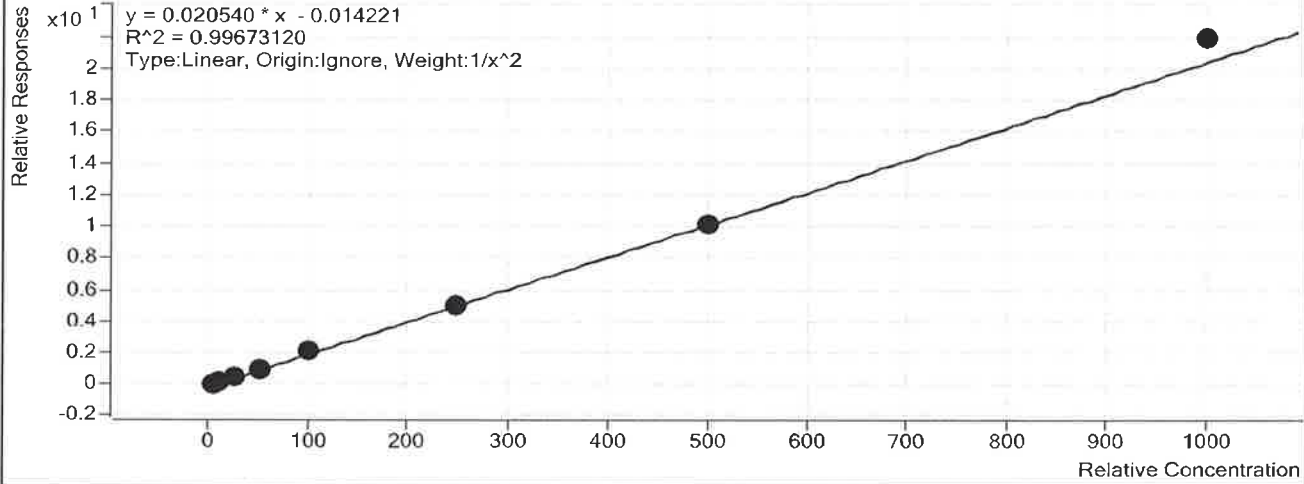
Target Compound

Doxylamine

Internal Standard

Doxylamine-D5

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

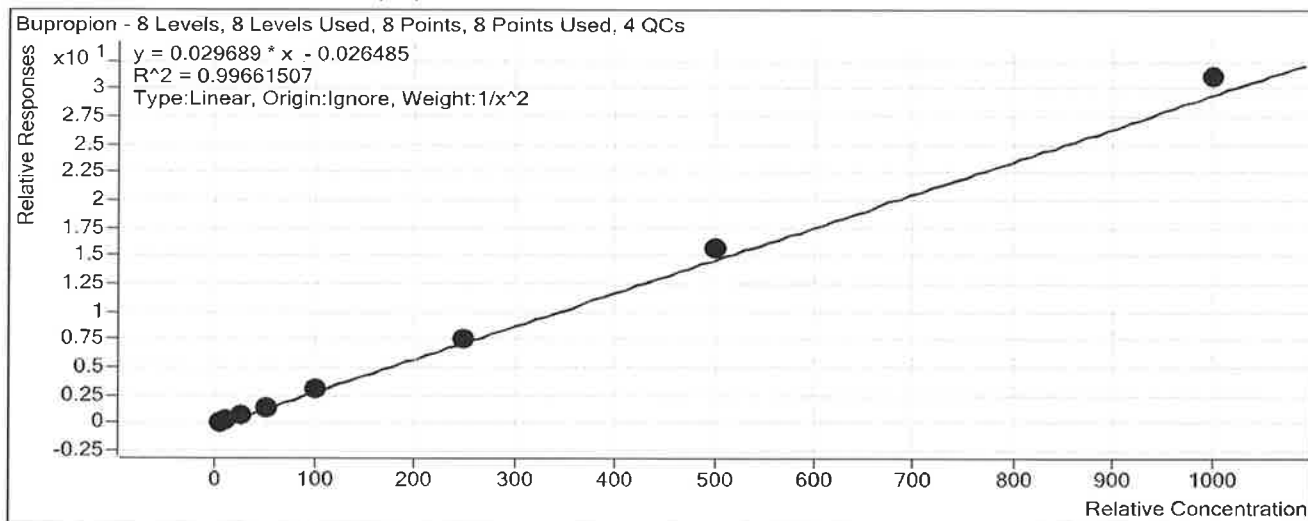


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	103.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.0
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.6	96.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.1	96.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.2	94.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	107.2	107.2
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	97.7	97.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	243.8	97.5
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	237.1	94.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	495.1	99.0
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1066.3	106.6
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1013.9	101.4

Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\033118 MDQ Panel 1 SP worklist
 2301\QuantResults\033118 MDQP1a SP worklist 2301.batch.bin
Last Calib Update 4/9/2018 3:02 PM **Analyst Name** ISP TOX

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

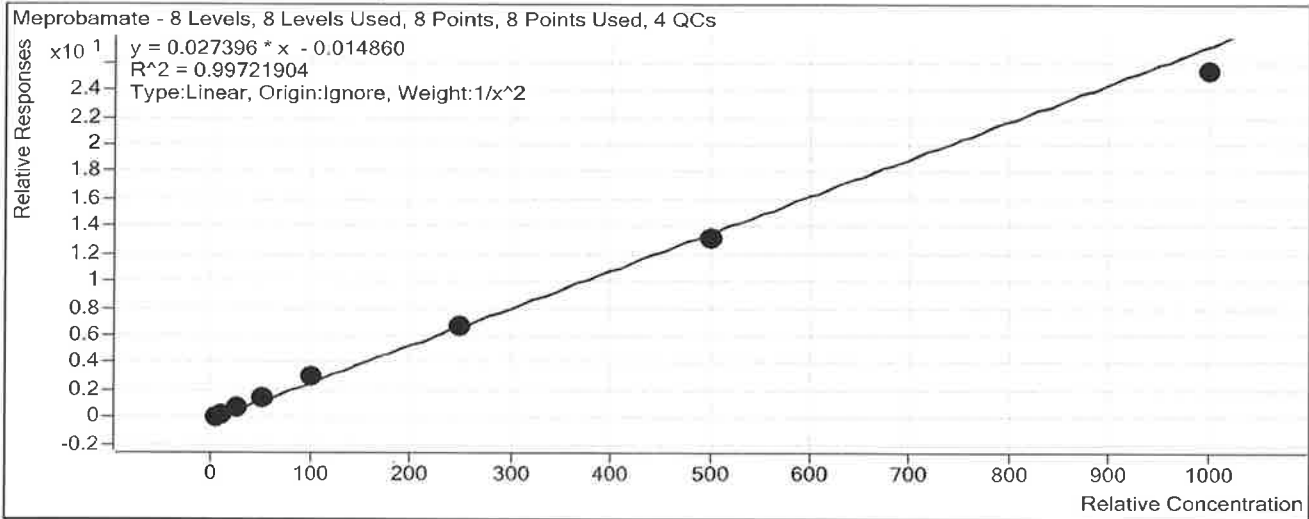


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	101.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	100.9
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.8	98.1
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.1	92.2
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.3	92.6
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.9	99.9
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	88.8	88.8
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	255.3	102.1
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	239.8	95.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	529.1	105.8
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1047.4	104.7
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1025.0	102.5

Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\033118 MDQ Panel 1 SP worklist
 2301\QuantResults\033118 MDQP1a SP worklist 2301.batch.bin
Last Calib Update 4/9/2018 3:02 PM **Analyst Name** ISP TOX

Target Compound Meprobamate
Internal Standard Meprobamate-D7



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	99.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	99.6
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.7	97.4
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.5	102.1
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.4	102.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	108.1	108.1
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	104.2	104.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	248.1	99.2
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	249.9	100.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	482.0	96.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	925.7	92.6
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	939.9	94.0

Calibration Curve Report

Batch Data Path

C:\MassHunter\Data\2018\MD Quant\033118 MDQ Panel 1 SP worklist
2301\QuantResults\033118 MDQP1a SP worklist 2301.batch.bin

Last Calib Update

4/9/2018 3:02 PM

Analyst Name

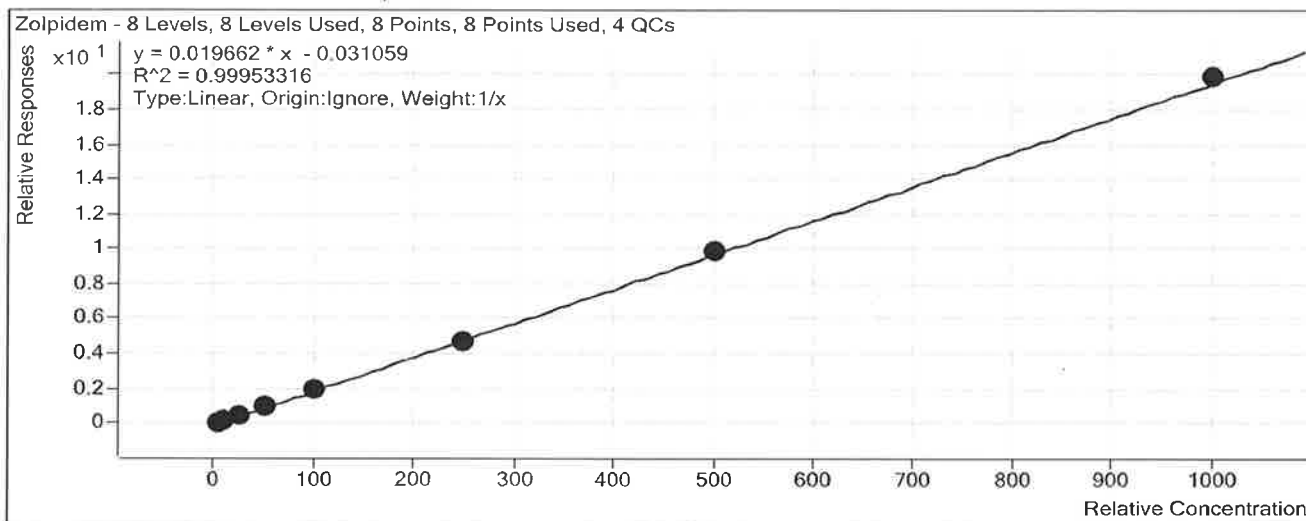
ISP TOX

Target Compound

Zolpidem

Internal Standard

Zolpidem-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.4	107.1
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.5	105.5
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.9	99.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.8	95.2
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.9	95.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.1	99.1
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	95.2	95.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	239.2	95.7
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	243.9	97.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	502.0	100.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1012.0	101.2
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	985.9	98.6

Calibration Curve Report

Batch Data Path

C:\MassHunter\Data\2018\MD Quant\033118 MDQ Panel 1 SP worklist
2301\QuantResults\033118 MDQP1a SP worklist 2301.batch.bin

Last Calib Update

4/9/2018 3:02 PM

Analyst Name

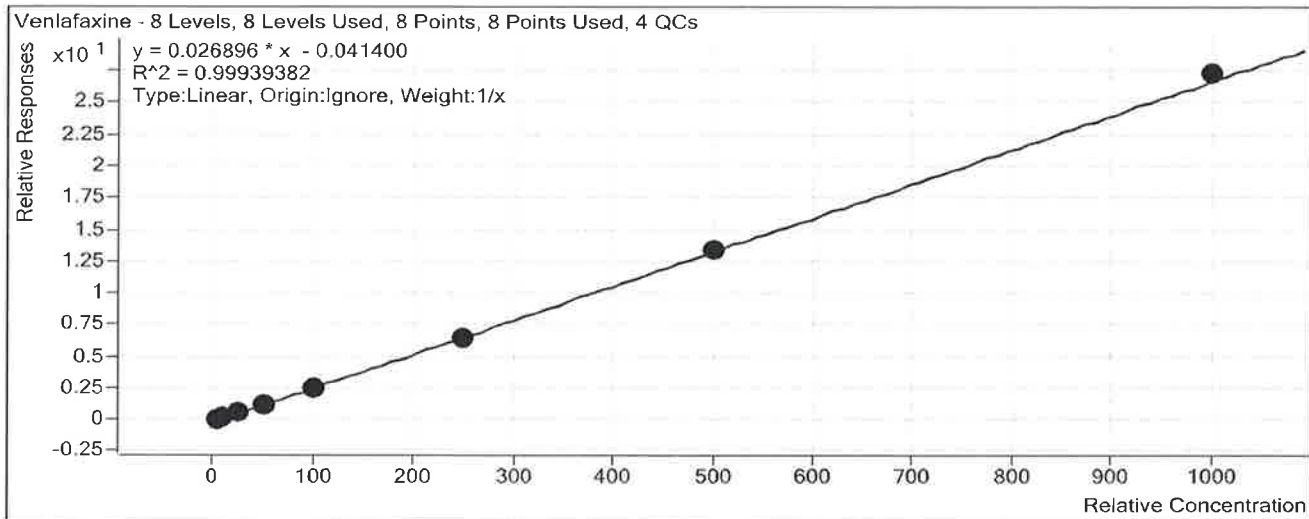
ISP TOX

Target Compound

Venlafaxine

Internal Standard

Venlafaxine-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.7	113.9
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.3	102.9
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.3	103.4
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.1	96.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.3	92.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	95.8	95.8
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	96.9	96.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	242.1	96.8
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	233.8	93.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	500.6	100.1
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1015.2	101.5
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1016.4	101.6

Calibration Curve Report

Batch Data Path

C:\MassHunter\Data\2018\MD Quant\033118 MDQ Panel 1 SP worklist
2301\QuantResults\033118 MDQP1a SP worklist 2301.batch.bin

Last Calib Update

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Analyst Name

ISP TOX

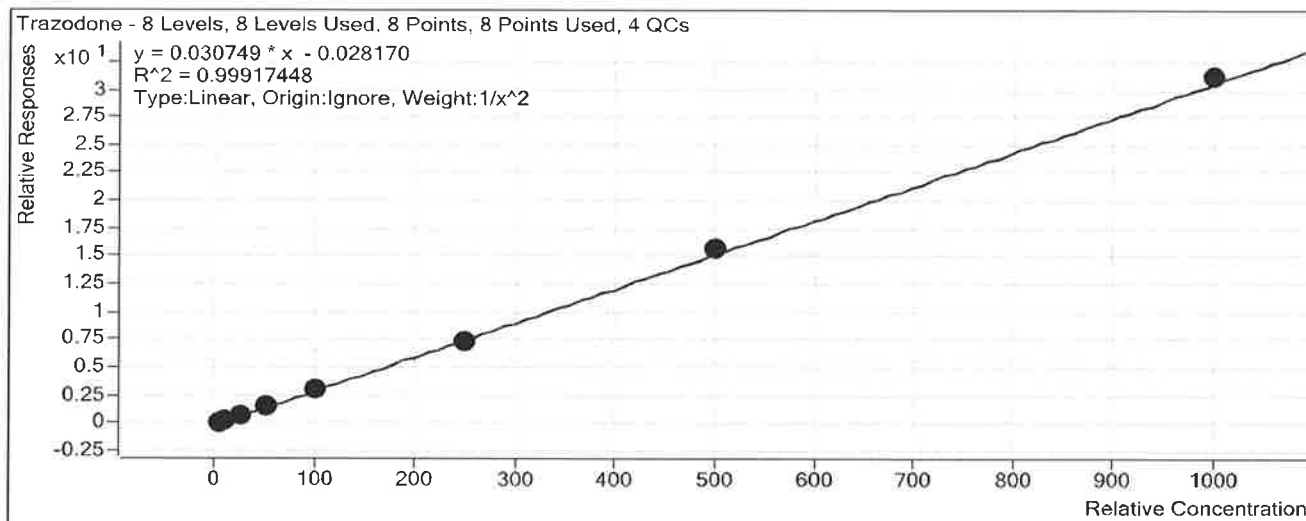
A

Target Compound

Trazodone

Internal Standard

Trazodone-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	101.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	97.7
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.9	99.4
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.6	98.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.0	102.0
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.3	101.3
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	97.5	97.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	238.7	95.5
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	241.8	96.7
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	512.7	102.5
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1012.2	101.2
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	929.0	92.9

Calibration Curve Report

Batch Data Path

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2301\QuantResults\033118 MDQP1a SP worklist 2301.batch.bin

Last Calib Update

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Analyst Name

ISP TOX

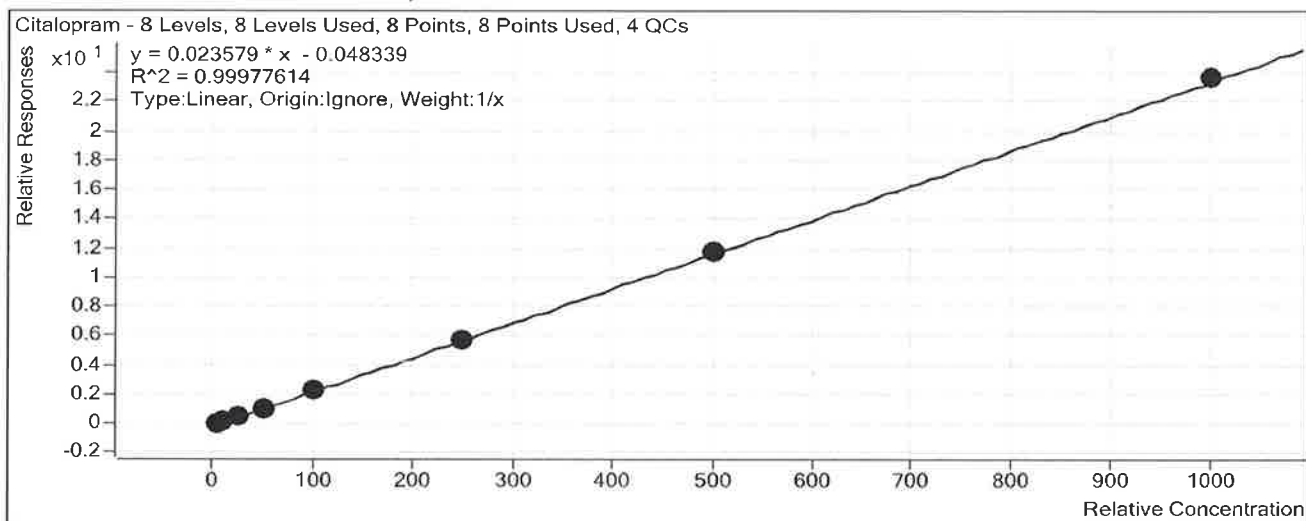
A

Target Compound

Citalopram

Internal Standard

Citalopram-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.5	110.5
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	96.6
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.2	102.4
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.7	98.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.5	95.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.0	100.0
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	99.1	99.1
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	243.9	97.6
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	243.7	97.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	504.4	100.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1004.3	100.4
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	998.2	99.8

Calibration Curve Report

Batch Data Path

C:\MassHunter\Data\2018\MD Quant\033118 MDQ Panel 1 SP worklist
2301\QuantResults\033118 MDQP1a SP worklist 2301.batch.bin

Last Calib Update

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Analyst Name

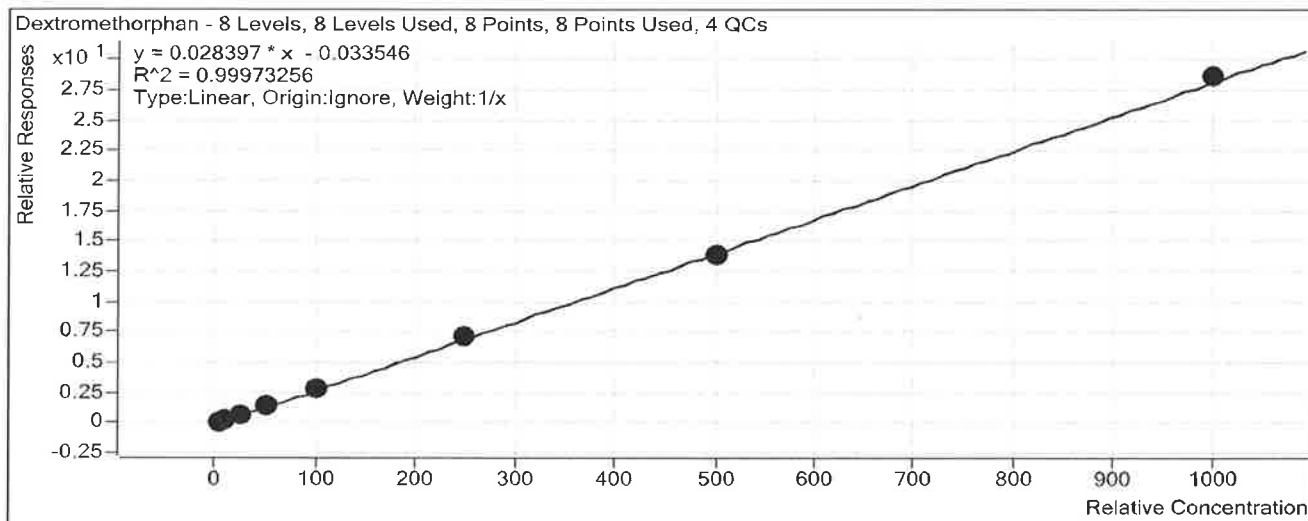
ISP TOX

Target Compound

Dextromethorphan

Internal Standard

Dextromethorphan-D3

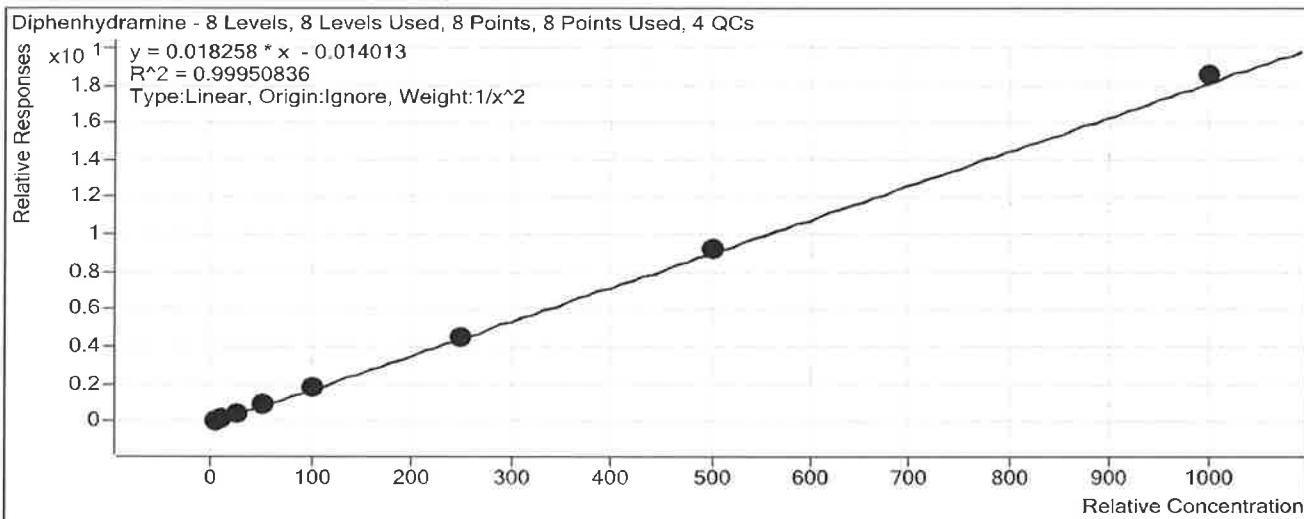


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.4	107.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	97.9
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.3	93.4
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.1	96.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.7	97.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.3	101.3
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	95.9	95.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	252.8	101.1
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	242.6	97.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	489.0	97.8
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1009.1	100.9
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	975.6	97.6

Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\033118 MDQ Panel 1 SP worklist
 2301\QuantResults\033118 MDQP1a SP worklist 2301.batch.bin
 Last Calib Update 4/9/2018 3:02 PM Analyst Name ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	101.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	98.6
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.5	94.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.5	98.1
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.6	97.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.5	102.5
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	98.5	98.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	248.5	99.4
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	239.8	95.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	507.0	101.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1015.9	101.6
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1004.4	100.4

Calibration Curve Report

Batch Data Path

C:\MassHunter\Data\2018\MD Quant\033118 MDQ Panel 1 SP worklist
2301\QuantResults\033118 MDQP1a SP worklist 2301.batch.bin

Last Calib Update

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Analyst Name

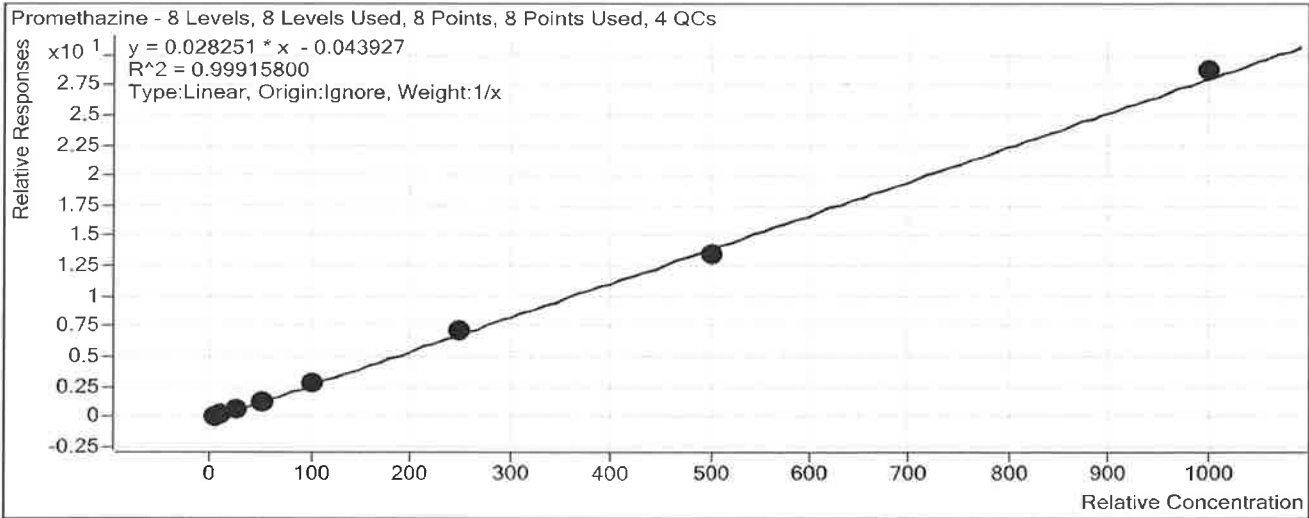
ISP TOX

Target Compound

Promethazine

Internal Standard

Promethazine-D3



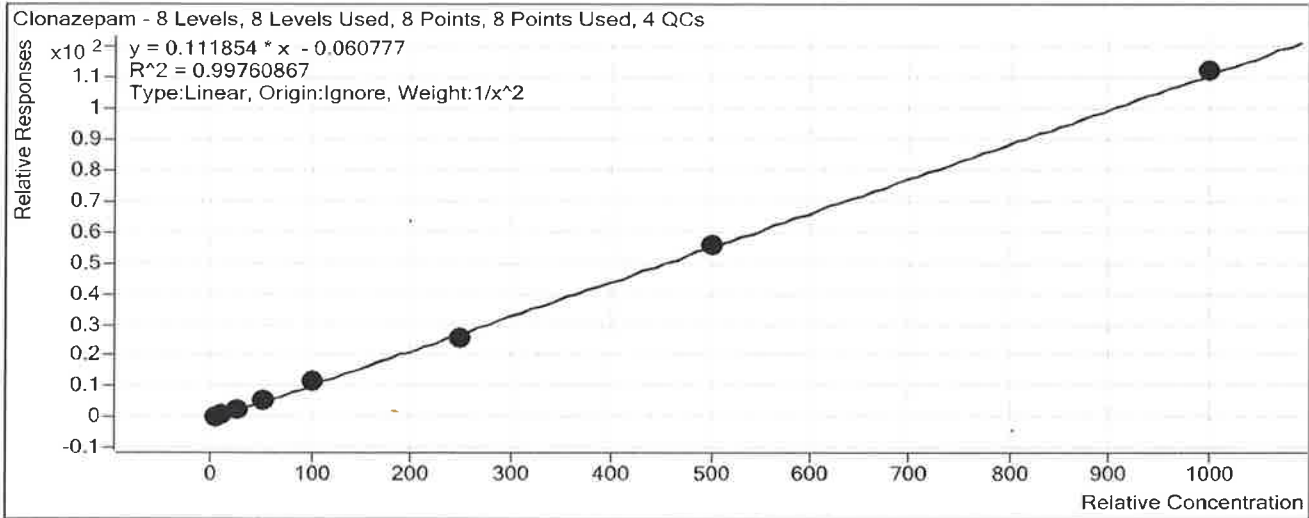
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.5	109.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.4	103.6
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.4	93.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.6	94.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.6	93.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.2	99.2
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	89.9	89.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	256.4	102.6
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	219.7	87.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	481.7	96.3
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1016.8	101.7
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	959.9	96.0

Calibration Curve Report

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Batch Data Path C:\MassHunter\Data\2018\MD Quant\033118 MDQ Panel 1 SP worklist
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Last Calib Update 4/9/2018 3:02 PM **Analyst Name** ISP TOX

Target Compound Clonazepam
Internal Standard Clonazepam-D4



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.9	98.8
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.3	102.5
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.0	99.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.8	99.0
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.2	98.4
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	107.7	107.7
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	117.1	117.1
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	231.3	92.5
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	244.3	97.7
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	502.6	100.5
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1004.2	100.4
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	989.7	99.0

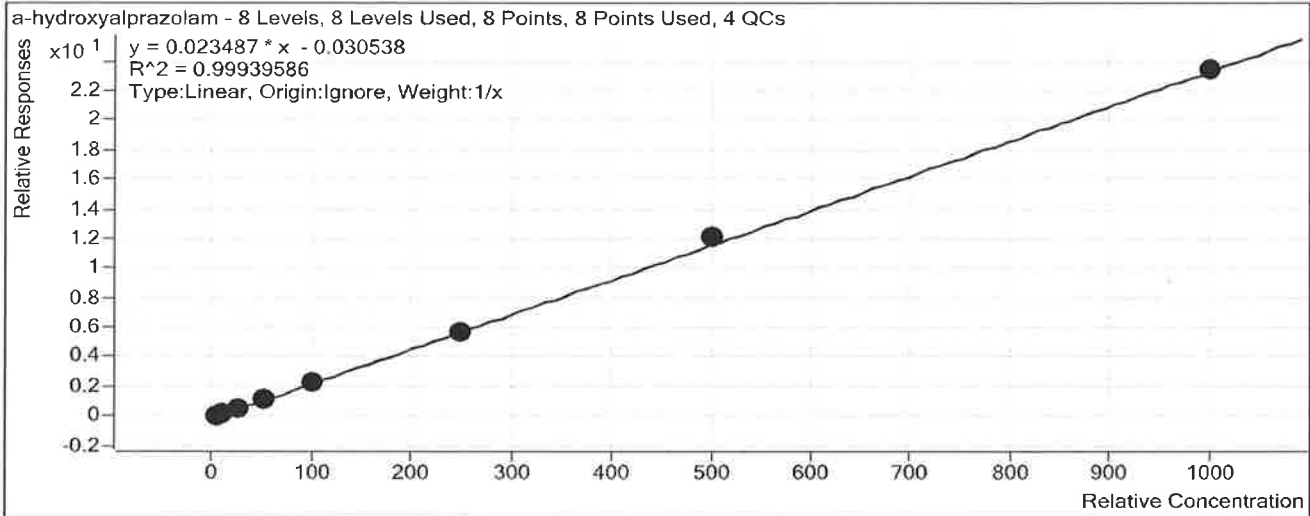
ISP Forensics Calibration Curve Report



Batch Data Path C:\MassHunter\Data\2018\MD Quant\033118 MDQ Panel 1 SP worklist
2301\QuantResults\033118 MDQP1a SP worklist 2301.batch.bin

Last Calib Update 4/9/2018 3:02 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.4	107.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.2	102.5
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.9	99.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.4	93.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.8	99.7
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.8	97.8
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	95.0	95.0
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	240.2	96.1
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	237.9	95.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	515.8	103.2
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	997.2	99.7
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1014.2	101.4

Calibration Curve Report

Batch Data Path

C:\MassHunter\Data\2018\MD Quant\033118 MDQ Panel 1 SP worklist
2301\QuantResults\033118 MDQP1a SP worklist 2301.batch.bin

Last Calib Update

4/9/2018 3:02 PM

Analyst Name

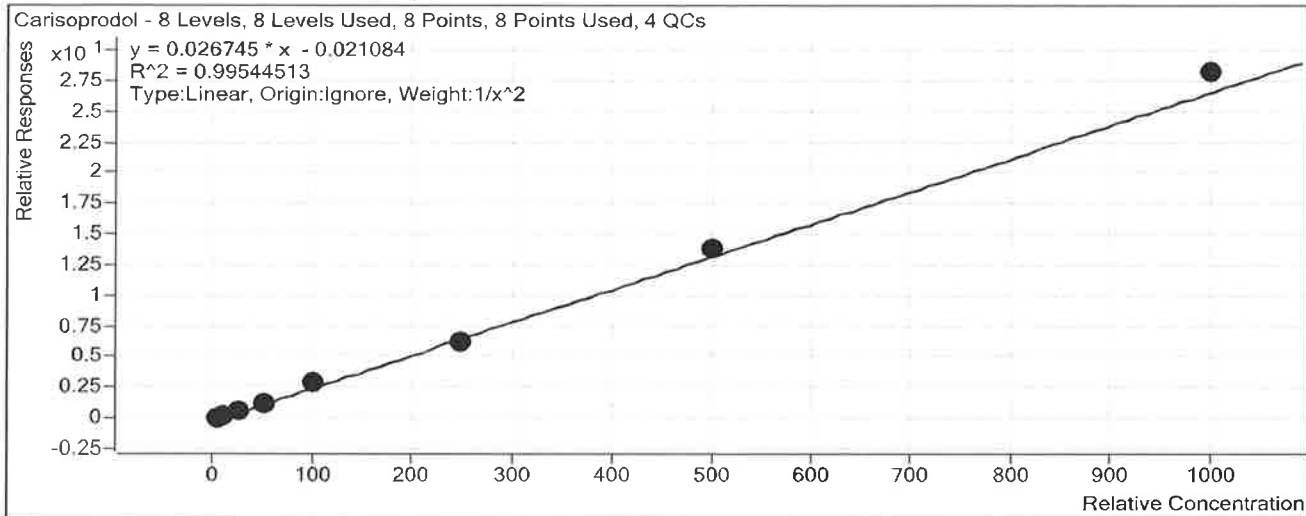
ISP TOX

Target Compound

Carisoprodol

Internal Standard

Carisoprodol-D7



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	101.5
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	99.0
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.2	102.5
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.3	97.3
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.1	92.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	108.6	108.6
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	94.9	94.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	231.5	92.6
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	221.3	88.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	516.7	103.3
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1054.8	105.5
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	947.6	94.8

Calibration Curve Report

Batch Data Path

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Analyst Name

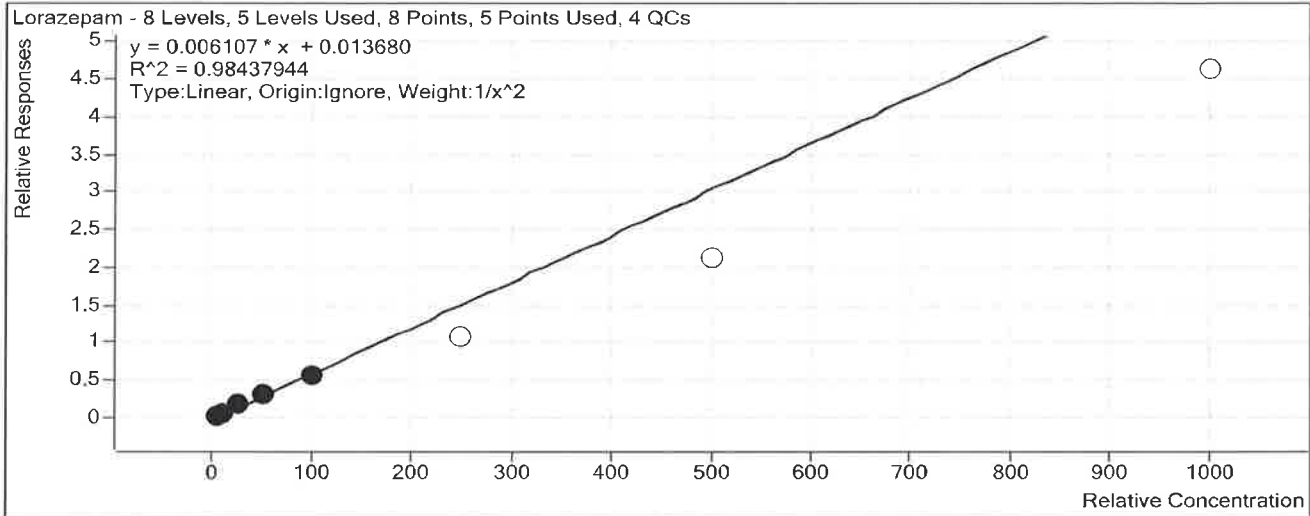
ISP TOX

Target Compound

Lorazepam

Internal Standard

Alprazolam-D5



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	8.9	89.4
a QC 10 (QC1)	2	<input type="checkbox"/>	10	10.2	101.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	28.6	114.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.1	100.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	93.2	93.2
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	89.4	89.4
a cal 6-250ng	6	<input type="checkbox"/>	250	174.6	69.9
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	176.1	70.4
a cal 7-500ng	7	<input type="checkbox"/>	500	346.1	69.2
a cal 8-1000ng	8	<input type="checkbox"/>	1000	753.0	75.3
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	729.2	72.9

Calibration Curve Report

Batch Data Path

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2301\QuantResults\033118 MDQP1a SP worklist 2301.batch.bin

Last Calib Update

4/9/2018 3:02 PM

Analyst Name

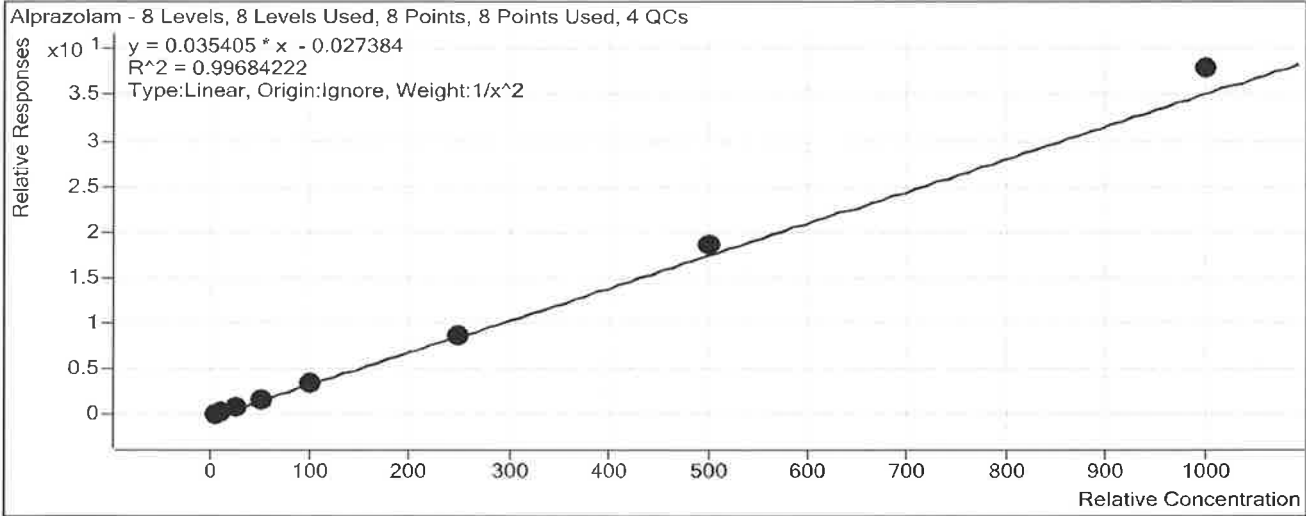
ISP TOX

Target Compound

Alprazolam

Internal Standard

Alprazolam-D5



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a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	98.9
a QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.8	97.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.0	96.0
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.0	92.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.1	101.1
a QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	97.3	97.3
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	244.4	97.7
a QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	245.4	98.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	525.3	105.1
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1071.2	107.1
a QC 1000 (QC 4)	8	<input checked="" type="checkbox"/>	1000	1059.8	106.0

ISP FORENSICS - Pocatello Instrument # 59740

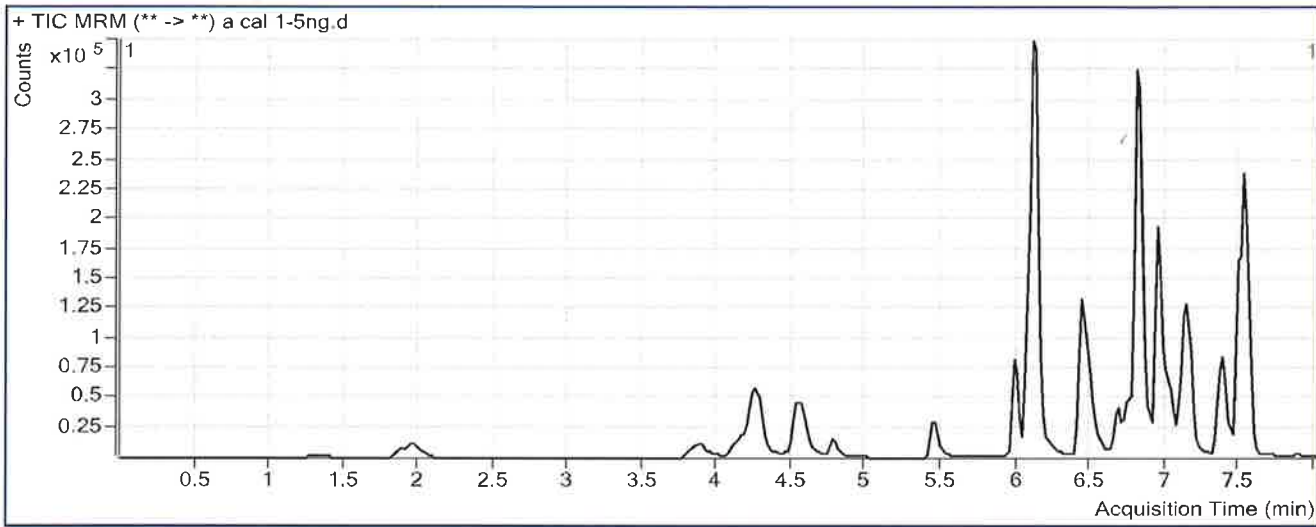
Multi-Drug Confirmatory Analysis Report

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Report Time	4/10/2018 8:15 AM	Reporter Name	ISPUser
Last Calib Update	4/9/2018 3:02 PM	Batch State	Processed

Analysis Info

Acq Time	2018-03-31 13:59	Data File	a cal 1-5ng.d
Sample Type	Calibration	Sample Name	a cal 1-5ng
Dilution	1	Acq Method	MD Quant Panel 1a 1-19-2018.m
Position	P1-A1	Sample Info	
Inj Vol	-1	Comment	AM 28 worklist 2301

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.348	3131	12927	0.2422	5.1242
Hydromorphone	Hydromorphone-D6	1.989	11108	84889	0.1308	5.1595
Codeine	Codeine-D6	3.932	4140	40262	0.1028	6.0128
Amphetamine	Amphetamine-D11	4.284	22901	59971	0.3819	4.8732
Oxycodone	Oxycodone-D6	4.290	34042	282827	0.1204	4.9899
Hydrocodone	Hydrocodone-D6	4.574	11595	148001	0.0783	4.7384
Norhydrocodone	Norhydrocodone-D3	4.618	455	31274	0.0146	16.6987
Methamphetamine	Methamphetamine-D11	4.662	11736	65952	0.1779	6.2766
6-MAM	6-MAM-D6	4.789	731	56268	0.0130	0.8535
Phentermine	Phentermine-D5	5.506	6634	135034	0.0491	4.9026
Dextroprphan	Dextroprphan-D3	5.981	11972	270029	0.0443	5.1177
7-aminoclonazepam	7-Aminoclonazepam-D4	6.093	27617	247813	0.1114	4.4412
Tramadol	Tramadol-13C-D3	6.118	113182	1172837	0.0965	5.1616
Doxylamine	Doxylamine-D5	6.463	51085	558062	0.0915	5.1491
Bupropion	Bupropion-D9	6.710	16160	129772	0.1245	5.0864
Meprobamate	Meprobamate-D7	6.772	15168	125360	0.1210	4.9588
Zolpidem	Zolpidem-D6	6.842	91972	1238292	0.0743	5.3571
Venlafaxine	Venlafaxine-D6	6.945	63739	570509	0.1117	5.6931
Trazodone	Trazodone-D6	7.055	21547	168980	0.1275	5.0629
Citalopram	Citalopram-D6	7.097	12756	155601	0.0820	5.5269

ISP FORENSICS - Pocatello Instrument # 59740**Multi-Drug Confirmatory Analysis Report** a cal 1

S

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Dextromethorphan	Dextromethorphan-D3	7.130	4690	39469	0.1188	5.3659
Diphenhydramine	Diphenhydramine-D3	7.153	24716	315350	0.0784	5.0604
Promethazine	Promethazine-D3	7.348	15226	138080	0.1103	5.4580
Clonazepam	Clonazepam-D4	7.405	40589	82491	0.4920	4.9424
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.460	8202	85894	0.0955	5.3658
Carisoprodol	Carisoprodol-D7	7.494	37176	324346	0.1146	5.0740
Lorazepam	Alprazolam-D5	7.523	22834	506833	0.0451	5.1371
Alprazolam	Alprazolam-D5	7.547	77672	506833	0.1533	5.1020

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

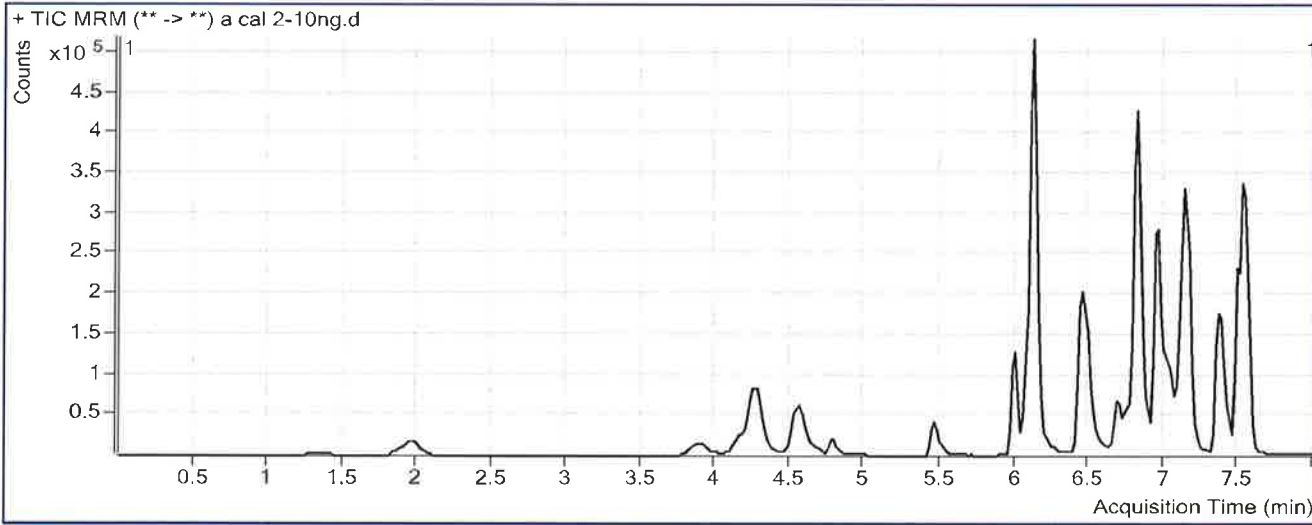
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Analysis Time 4/9/2018 3:02 PM **Analyst Name** ISPUser
Report Time 4/10/2018 8:15 AM **Reporter Name** ISPUser
Last Calib Update 4/9/2018 3:02 PM **Batch State** Processed

Analysis Info

Acq Time 2018-03-31 14:31 **Data File** a cal 2-10ng.d
Sample Type Calibration **Sample Name** a cal 2-10ng
Dilution 1 **Acq Method** MD Quant Panel 1a 1-19-2018.m
Position P1-B1 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist 2301

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.348	8908	16983	0.5245	10.1568
Hydromorphone	Hydromorphone-D6	1.989	28160	99969	0.2817	9.7178
Codeine	Codeine-D6	3.932	11677	48547	0.2405	11.2937
Amphetamine	Amphetamine-D11	4.304	62740	79506	0.7891	10.2136
Oxycodone	Oxycodone-D6	4.290	97960	346203	0.2830	10.1832
Hydrocodone	Hydrocodone-D6	4.594	27864	176672	0.1577	9.1675
Norhydrocodone	Norhydrocodone-D3	4.618	1359	39264	0.0346	20.4526
Methamphetamine	Methamphetamine-D11	4.662	25561	84391	0.3029	9.4545
6-MAM	6-MAM-D6	4.829	1351	67309	0.0201	1.1420
Phentermine	Phentermine-D5	5.506	19227	164482	0.1169	10.8681
Dextrorphan	Dextrorphan-D3	6.002	35818	379443	0.0944	9.6951
7-aminoclonazepam	7-Aminoclonazepam-D4	6.093	73481	321001	0.2289	9.4406
Tramadol	Tramadol-13C-D3	6.139	298510	1452237	0.2056	10.1804
Doxylamine	Doxylamine-D5	6.463	136011	743785	0.1829	9.5953
Bupropion	Bupropion-D9	6.710	50785	185988	0.2731	10.0893
Meprobamate	Meprobamate-D7	6.792	35786	138701	0.2580	9.9601
Zolpidem	Zolpidem-D6	6.842	246978	1400420	0.1764	10.5491
Venlafaxine	Venlafaxine-D6	6.966	183227	778555	0.2353	10.2893
Trazodone	Trazodone-D6	7.055	81523	299589	0.2721	9.7656
Citalopram	Citalopram-D6	7.118	57362	319545	0.1795	9.6633

ISP FORENSICS - Pocatello Instrument # 59740**Multi-Drug Confirmatory Analysis Report** *a cal z**P*

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Dextromethorphan	Dextromethorphan-D3	7.150	22451	91881	0.2443	9.7861
Diphenhydramine	Diphenhydramine-D3	7.153	115570	695804	0.1661	9.8649
Promethazine	Promethazine-D3	7.368	95367	383579	0.2486	10.3556
Clonazepam	Clonazepam-D4	7.405	102883	94741	1.0859	10.2519
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.480	19503	92824	0.2101	10.2459
Carisoprodol	Carisoprodol-D7	7.514	91264	374502	0.2437	9.9002
Lorazepam	Alprazolam-D5	7.523	40526	593773	0.0683	8.9361
Alprazolam	Alprazolam-D5	7.547	191693	593773	0.3228	9.8920

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

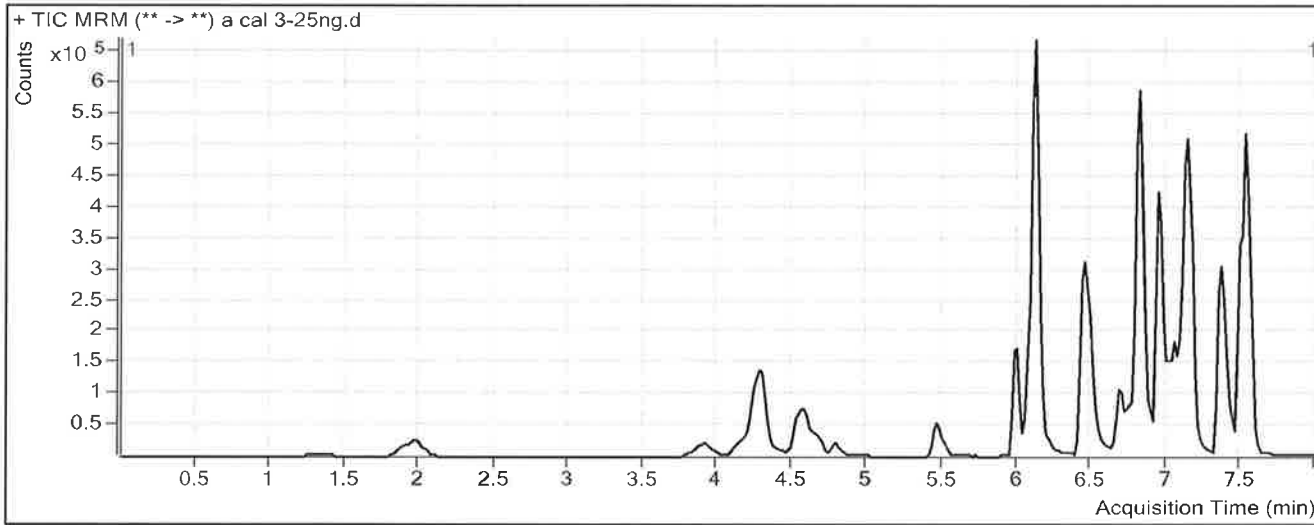
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Report Time 4/10/2018 8:15 AM **Reporter Name** ISPUser
Last Calib Update 4/9/2018 3:02 PM **Batch State** Processed

Analysis Info

Acq Time 2018-03-31 15:02 **Data File** a cal 3-25ng.d
Sample Type Calibration **Sample Name** a cal 3-25ng
Dilution 1 **Acq Method** MD Quant Panel 1a 1-19-2018.m
Position P1-C1 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist 2301

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.348	20992	16903	1.2419	22.9450
Hydromorphone	Hydromorphone-D6	1.969	71575	96936	0.7384	23.5192
Codeine	Codeine-D6	3.912	26786	46397	0.5773	24.2106
Amphetamine	Amphetamine-D11	4.304	187274	99915	1.8743	24.4444
Oxycodone	Oxycodone-D6	4.290	251152	341812	0.7348	24.6142
Hydrocodone	Hydrocodone-D6	4.594	77093	173751	0.4437	25.1249
Norhydrocodone	Norhydrocodone-D3	4.618	3069	36076	0.0851	29.8889
Methamphetamine	Methamphetamine-D11	4.662	113374	126733	0.8946	24.5055
6-MAM	6-MAM-D6	4.789	3589	65196	0.0550	2.5662
Phentermine	Phentermine-D5	5.506	58124	216860	0.2680	24.1721
Dextrophan	Dextrophan-D3	6.002	102762	403124	0.2549	24.3724
7-aminoclonazepam	7-Aminoclonazepam-D4	6.093	188902	312566	0.6044	25.4193
Tramadol	Tramadol-13C-D3	6.139	774941	1462102	0.5300	25.1132
Doxylamine	Doxylamine-D5	6.463	362387	753876	0.4807	24.0958
Bupropion	Bupropion-D9	6.710	131818	200338	0.6580	23.0544
Meprobamate	Meprobamate-D7	6.792	91080	133045	0.6846	25.5304
Zolpidem	Zolpidem-D6	6.821	646556	1479889	0.4369	23.7997
Venlafaxine	Venlafaxine-D6	6.945	510378	840372	0.6073	24.1196
Trazodone	Trazodone-D6	7.055	242428	332446	0.7292	24.6312
Citalopram	Citalopram-D6	7.097	205559	384397	0.5348	24.7297

ISP FORENSICS - Pocatello Instrument # 59740**Multi-Drug Confirmatory Analysis Report a cal 3**

D

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Dextromethorphan	Dextromethorphan-D3	7.130	73831	113475	0.6506	24.0937
Diphenhydramine	Diphenhydramine-D3	7.153	354068	816508	0.4336	24.5186
Promethazine	Promethazine-D3	7.368	327037	524936	0.6230	23.6076
Clonazepam	Clonazepam-D4	7.405	238653	88104	2.7088	24.7603
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.460	46037	88560	0.5198	23.4331
Carisoprodol	Carisoprodol-D7	7.494	215592	342597	0.6293	24.3179
Lorazepam	Alprazolam-D5	7.523	106444	564874	0.1884	28.6168
Alprazolam	Alprazolam-D5	7.547	464515	564874	0.8223	24.0002

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

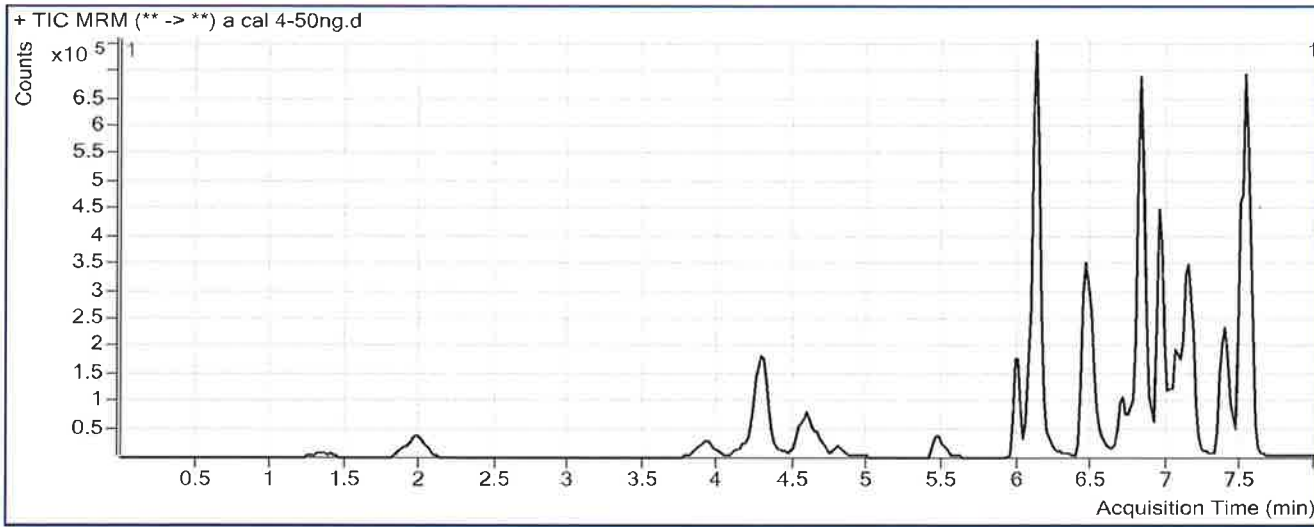
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Report Time	4/10/2018 8:15 AM	Reporter Name	ISPUser
Last Calib Update	4/9/2018 3:02 PM	Batch State	Processed

Analysis Info

Acq Time	2018-03-31 15:34	Data File	a cal 4-50ng.d
Sample Type	Calibration	Sample Name	a cal 4-50ng
Dilution	1	Acq Method	MD Quant Panel 1a 1-19-2018.m
Position	P1-D1	Sample Info	
Inj Vol	-1	Comment	AM 28 worklist 2301

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.348	34716	14748	2.3539	42.7674
Hydromorphone	Hydromorphone-D6	1.989	125370	83534	1.5008	46.5610
Codeine	Codeine-D6	3.932	42847	38955	1.0999	44.2527
Amphetamine	Amphetamine-D11	4.284	286661	64591	4.4381	58.0637
Oxycodone	Oxycodone-D6	4.290	415697	285173	1.4577	47.7050
Hydrocodone	Hydrocodone-D6	4.574	129161	140627	0.9185	51.6166
Norhydrocodone	Norhydrocodone-D3	4.618	5606	30269	0.1852	48.6262
Methamphetamine	Methamphetamine-D11	4.662	119194	64588	1.8455	48.6926
6-MAM	6-MAM-D6	4.809	5942	52055	0.1142	4.9732
Phentermine	Phentermine-D5	5.506	74094	145932	0.5077	45.2727
Dextrorphan	Dextrorphan-D3	6.002	153028	295653	0.5176	48.3908
7-aminoclonazepam	7-Aminoclonazepam-D4	6.093	309682	263895	1.1735	49.6415
Tramadol	Tramadol-13C-D3	6.139	1233562	1217787	1.0130	47.3392
Doxylamine	Doxylamine-D5	6.463	529459	554692	0.9545	47.1638
Bupropion	Bupropion-D9	6.710	153495	113798	1.3488	46.3244
Meprobamate	Meprobamate-D7	6.792	156697	112425	1.3938	51.4175
Zolpidem	Zolpidem-D6	6.821	1086029	1192470	0.9107	47.8990
Venlafaxine	Venlafaxine-D6	6.945	745397	619805	1.2026	46.2532
Trazodone	Trazodone-D6	7.055	288239	187081	1.5407	51.0215
Citalopram	Citalopram-D6	7.097	199537	186078	1.0723	47.5288

ISP FORENSICS - Pocatello Instrument # 59740**Multi-Drug Confirmatory Analysis Report** *q cal 4 P*

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Dextromethorphan	Dextromethorphan-D3	7.130	70292	52132	1.3483	48.6635
Diphenhydramine	Diphenhydramine-D3	7.153	342559	392320	0.8732	48.5922
Promethazine	Promethazine-D3	7.368	260093	204585	1.2713	46.5563
Clonazepam	Clonazepam-D4	7.405	374399	68773	5.4440	49.2137
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.460	78888	69202	1.1400	49.8362
Carisoprodol	Carisoprodol-D7	7.494	369782	305086	1.2121	46.1081
Lorazepam	Alprazolam-D5	7.523	154736	483921	0.3198	50.1202
Alprazolam	Alprazolam-D5	7.547	775310	483921	1.6021	46.0257

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

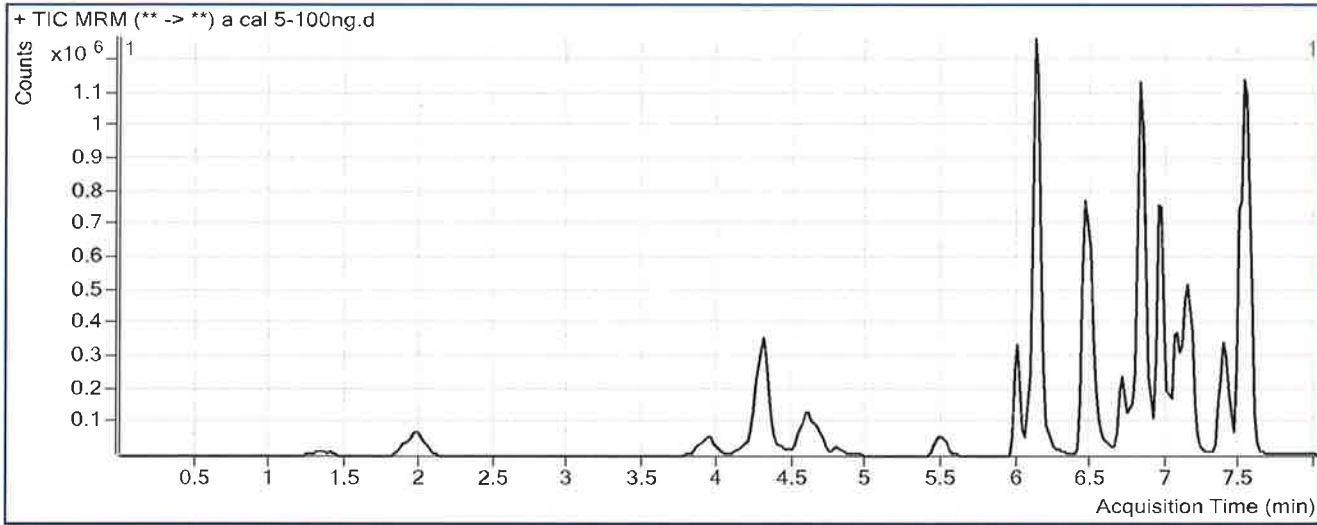
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Report Time	4/10/2018 8:15 AM	Reporter Name	ISPUser
Last Calib Update	4/9/2018 3:02 PM	Batch State	Processed

Analysis Info

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Sample Type	Calibration	Sample Name	a cal 5-100ng
Dilution	1	Acq Method	MD Quant Panel 1a 1-19-2018.m
Position	P1-E1	Sample Info	
Inj Vol	-1	Comment	AM 28 worklist 2301

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.368	75626	14530	5.2046	93.5850
Hydromorphone	Hydromorphone-D6	1.989	267152	81699	3.2699	100.0249
Codeine	Codeine-D6	3.932	92114	41207	2.2354	87.7996
Amphetamine	Amphetamine-D11	4.304	544960	67522	8.0709	105.7014
Oxycodone	Oxycodone-D6	4.290	885966	280571	3.1577	102.0044
Hydrocodone	Hydrocodone-D6	4.594	275735	144541	1.9077	106.8129
Norhydrocodone	Norhydrocodone-D3	4.618	11822	29470	0.4012	89.0225
Methamphetamine	Methamphetamine-D11	4.662	247667	67128	3.6895	95.5985
6-MAM	6-MAM-D6	4.809	11917	54616	0.2182	9.2102
Phentermine	Phentermine-D5	5.506	177746	147516	1.2049	106.6452
Dextrorphan	Dextrorphan-D3	6.002	328403	306095	1.0729	99.1644
7-aminoclonazepam	7-Aminoclonazepam-D4	6.113	666830	256612	2.5986	110.2921
Tramadol	Tramadol-13C-D3	6.139	2856956	1274173	2.2422	103.9127
Doxylamine	Doxylamine-D5	6.463	1329866	608080	2.1870	107.1686
Bupropion	Bupropion-D9	6.710	390974	133068	2.9381	99.8564
Meprobamate	Meprobamate-D7	6.792	322683	109550	2.9455	108.0576
Zolpidem	Zolpidem-D6	6.842	2341391	1221610	1.9166	99.0584
Venlafaxine	Venlafaxine-D6	6.966	1666727	657559	2.5347	95.7803
Trazodone	Trazodone-D6	7.055	584627	189423	3.0863	101.2869
Citalopram	Citalopram-D6	7.097	387898	167987	2.3091	99.9816

ISP FORENSICS - Pocatello Instrument # 59740**Multi-Drug Confirmatory Analysis Report a cal 5**

8

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Dextromethorphan	Dextromethorphan-D3	7.130	115435	40596	2.8435	101.3173
Diphenhydramine	Diphenhydramine-D3	7.153	642542	345965	1.8572	102.4925
Promethazine	Promethazine-D3	7.368	370820	134461	2.7578	99.1747
Clonazepam	Clonazepam-D4	7.405	710310	59268	11.9847	107.6891
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.460	149272	65835	2.2674	97.8382
Carisoprodol	Carisoprodol-D7	7.494	752979	261135	2.8835	108.6041
Lorazepam	Alprazolam-D5	7.523	263514	452176	0.5828	93.1891
Alprazolam	Alprazolam-D5	7.547	1605653	452176	3.5510	101.0695

ISP FORENSICS - Pocatello Instrument # 59740

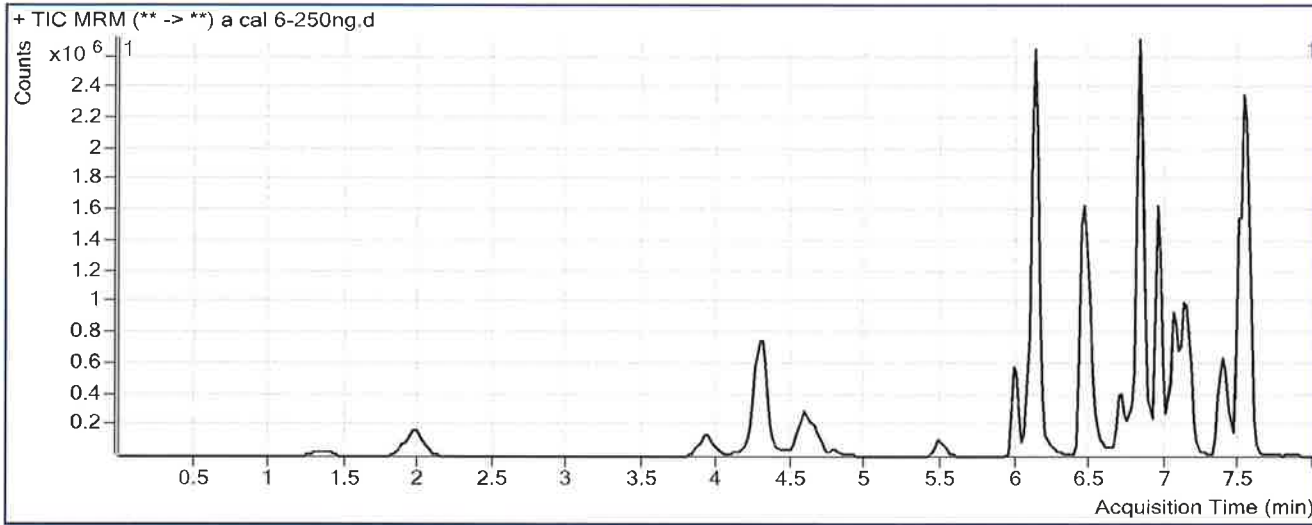
Multi-Drug Confirmatory Analysis Report

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Analysis Time 4/9/2018 3:02 PM **Analyst Name** ISPUser
Report Time 4/10/2018 8:15 AM **Reporter Name** ISPUser
Last Calib Update 4/9/2018 3:02 PM **Batch State** Processed

Analysis Info

Acq Time 2018-03-31 16:37 **Data File** a cal 6-250ng.d
Sample Type Calibration **Sample Name** a cal 6-250ng
Dilution 1 **Acq Method** MD Quant Panel 1a 1-19-2018.m
Position P1-F1 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist 2301

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.348	195008	14736	13.2331	236.7022
Hydromorphone	Hydromorphone-D6	1.989	691726	83721	8.2623	250.8978
Codeine	Codeine-D6	3.932	232367	40486	5.7395	222.1882
Amphetamine	Amphetamine-D11	4.284	1261606	59383	21.2453	278.4618
Oxycodone	Oxycodone-D6	4.290	2256144	293569	7.6852	246.6148
Hydrocodone	Hydrocodone-D6	4.574	688176	148368	4.6383	259.1811
Norhydrocodone	Norhydrocodone-D3	4.618	30525	26448	1.1542	229.8929
Methamphetamine	Methamphetamine-D11	4.662	578714	68434	8.4565	216.8563
6-MAM	6-MAM-D6	4.789	30741	57107	0.5383	22.2456
Phentermine	Phentermine-D5	5.506	377415	132189	2.8551	251.9079
Dextrophan	Dextrophan-D3	5.981	741856	274947	2.6982	247.7767
7-aminoclonazepam	7-Aminoclonazepam-D4	6.093	1536328	249729	6.1520	261.5212
Tramadol	Tramadol-13C-D3	6.118	6784544	1315226	5.1585	238.1268
Doxylamine	Doxylamine-D5	6.463	3022714	605276	4.9939	243.8286
Bupropion	Bupropion-D9	6.710	812285	107561	7.5518	255.2575
Meprobamate	Meprobamate-D7	6.792	719696	106112	6.7824	248.1080
Zolpidem	Zolpidem-D6	6.821	6096432	1304619	4.6730	239.2425
Venlafaxine	Venlafaxine-D6	6.945	3931767	607636	6.4706	242.1165
Trazodone	Trazodone-D6	7.035	1504389	205772	7.3109	238.6740
Citalopram	Citalopram-D6	7.097	824069	144498	5.7030	243.9199

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

a cal 6 D

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Dextromethorphan	Dextromethorphan-D3	7.130	281432	39394	7.1440	252.7603
Diphenhydramine	Diphenhydramine-D3	7.153	1502811	332222	4.5235	248.5286
Promethazine	Promethazine-D3	7.368	955948	132790	7.1990	256.3787
Clonazepam	Clonazepam-D4	7.405	1325443	51345	25.8146	231.3319
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.460	336259	59921	5.6117	240.2289
Carisoprodol	Carisoprodol-D7	7.494	1612587	261352	6.1702	231.4955
Lorazepam	Alprazolam-D5	7.523	469357	434532	1.0801	174.6348
Alprazolam	Alprazolam-D5	7.547	3747296	434532	8.6238	244.3502

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

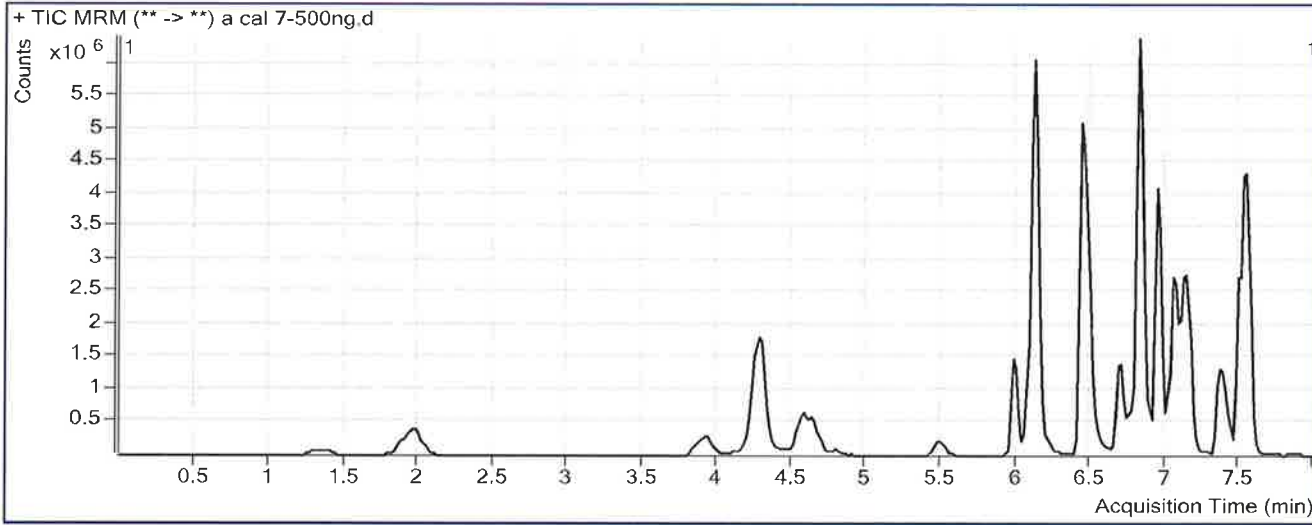
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Analysis Time 4/9/2018 3:02 PM **Analyst Name** ISPUser
Report Time 4/10/2018 8:15 AM **Reporter Name** ISPUser
Last Calib Update 4/9/2018 3:02 PM **Batch State** Processed

Analysis Info

Acq Time 2018-03-31 17:08 **Data File** a cal 7-500ng.d
Sample Type Calibration **Sample Name** a cal 7-500ng
Dilution 1 **Acq Method** MD Quant Panel 1a 1-19-2018.m
Position P1-G1 **Sample Info**
Inj Vol -1 **Comment** AM 28 worklist 2301

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.348	492597	14728	33.4461	597.0237
Hydromorphone	Hydromorphone-D6	1.969	1728141	99576	17.3550	525.6836
Codeine	Codeine-D6	3.932	576843	44110	13.0773	503.6073
Amphetamine	Amphetamine-D11	4.284	2683590	80163	33.4769	438.8591
Oxycodone	Oxycodone-D6	4.290	5717544	362173	15.7868	505.3822
Hydrocodone	Hydrocodone-D6	4.574	1660188	181762	9.1339	510.0295
Norhydrocodone	Norhydrocodone-D3	4.618	73383	28566	2.5689	494.5555
Methamphetamine	Methamphetamine-D11	4.662	1606520	84890	18.9247	483.1328
6-MAM	6-MAM-D6	4.789	80817	67280	1.2012	49.2415
Phentermine	Phentermine-D5	5.506	1023752	162084	6.3162	556.5781
Dextrophan	Dextrophan-D3	5.981	1961207	349654	5.6090	513.9311
7-aminoclonazepam	7-Aminoclonazepam-D4	6.093	3275183	262922	12.4569	529.8509
Tramadol	Tramadol-13C-D3	6.118	17266826	1602785	10.7730	496.5239
Doxylamine	Doxylamine-D5	6.443	8885352	874942	10.1554	495.1183
Bupropion	Bupropion-D9	6.710	2809800	179182	15.6813	529.0784
Meprobamate	Meprobamate-D7	6.792	1441387	109288	13.1889	481.9538
Zolpidem	Zolpidem-D6	6.821	15371753	1562122	9.8403	502.0490
Venlafaxine	Venlafaxine-D6	6.945	10716768	798438	13.4222	500.5762
Trazodone	Trazodone-D6	7.035	4484742	284961	15.7381	512.7317
Citalopram	Citalopram-D6	7.097	2473292	208818	11.8443	504.3781

ISP FORENSICS - Pocatello Instrument # 59740**Multi-Drug Confirmatory Analysis Report** a cal 7

P

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Dextromethorphan	Dextromethorphan-D3	7.130	850041	61369	13.8513	488.9588
Diphenhydramine	Diphenhydramine-D3	7.153	4425785	478872	9.2421	506.9750
Promethazine	Promethazine-D3	7.368	2729968	201266	13.5639	481.6822
Clonazepam	Clonazepam-D4	7.405	2312072	41170	56.1586	502.6146
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.460	673385	55720	12.0851	515.8450
Carisoprodol	Carisoprodol-D7	7.494	3206173	232352	13.7988	516.7356
Lorazepam	Alprazolam-D5	7.523	879549	413495	2.1271	346.0769
Alprazolam	Alprazolam-D5	7.547	7678521	413495	18.5698	525.2750

ISP FORENSICS - Pocatello Instrument # 59740

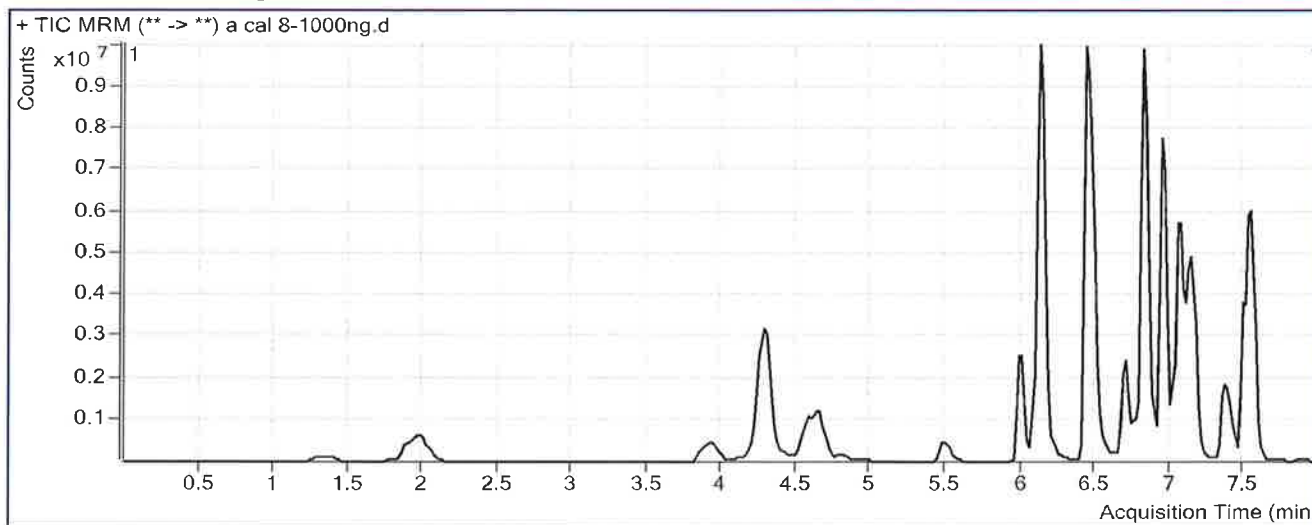
Multi-Drug Confirmatory Analysis Report

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Report Time	4/10/2018 8:16 AM	Reporter Name	ISPUser
Last Calib Update	4/9/2018 3:02 PM	Batch State	Processed

Analysis Info

Acq Time	2018-03-31 17:40	Data File	a cal 8-1000ng.d
Sample Type	Calibration	Sample Name	a cal 8-1000ng
Dilution	1	Acq Method	MD Quant Panel 1a 1-19-2018.m
Position	P1-H1	Sample Info	
Inj Vol	-1	Comment	AM 28 worklist 2301

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.348	833694	13403	62.2012	1109.6180
Hydromorphone	Hydromorphone-D6	1.989	2950062	83482	35.3378	1069.1357
Codeine	Codeine-D6	3.912	950304	35092	27.0800	1040.6350
Amphetamine	Amphetamine-D11	4.284	4956884	79610	62.2643	816.3578
Oxycodone	Oxycodone-D6	4.290	10199702	314262	32.4561	1037.8065
Hydrocodone	Hydrocodone-D6	4.574	2813901	161377	17.4369	973.3291
Norhydrocodone	Norhydrocodone-D3	4.618	129131	23706	5.4472	1033.0141
Methamphetamine	Methamphetamine-D11	4.662	4172005	100711	41.4257	1055.4833
6-MAM	6-MAM-D6	4.809	145491	57081	2.5488	104.1213
Phentermine	Phentermine-D5	5.506	2004356	187732	10.6767	940.4241
Dextrophan	Dextrophan-D3	5.981	3824477	332232	11.5115	1053.6335
7-aminoclonazepam	7-Aminoclonazepam-D4	6.093	4731968	212056	22.3148	949.3933
Tramadol	Tramadol-13C-D3	6.118	32025441	1455095	22.0092	1013.6422
Doxylamine	Doxylamine-D5	6.443	18223911	832619	21.8874	1066.3091
Bupropion	Bupropion-D9	6.710	4859644	156415	31.0689	1047.3730
Meprobamate	Meprobamate-D7	6.792	2198228	86726	25.3469	925.7349
Zolpidem	Zolpidem-D6	6.821	25173851	1267060	19.8679	1012.0451
Venlafaxine	Venlafaxine-D6	6.945	21911156	803702	27.2628	1015.1718
Trazodone	Trazodone-D6	7.055	9640817	310042	31.0951	1012.1573
Citalopram	Citalopram-D6	7.097	4831578	204458	23.6311	1004.2717

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

a cal 8 P

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Dextromethorphan	Dextromethorphan-D3	7.130	1331886	46537	28.6202	1009.0544
Diphenhydramine	Diphenhydramine-D3	7.153	7927913	427772	18.5330	1015.8568
Promethazine	Promethazine-D3	7.368	4144669	144509	28.6811	1016.7870
Clonazepam	Clonazepam-D4	7.405	3184146	28363	112.2634	1004.2048
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.460	1016501	43457	23.3908	997.2068
Carisoprodol	Carisoprodol-D7	7.494	4114936	145975	28.1893	1054.8091
Lorazepam	Alprazolam-D5	7.523	1332074	288825	4.6120	752.9878
Alprazolam	Alprazolam-D5	7.547	10946213	288825	37.8991	1071.2281

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

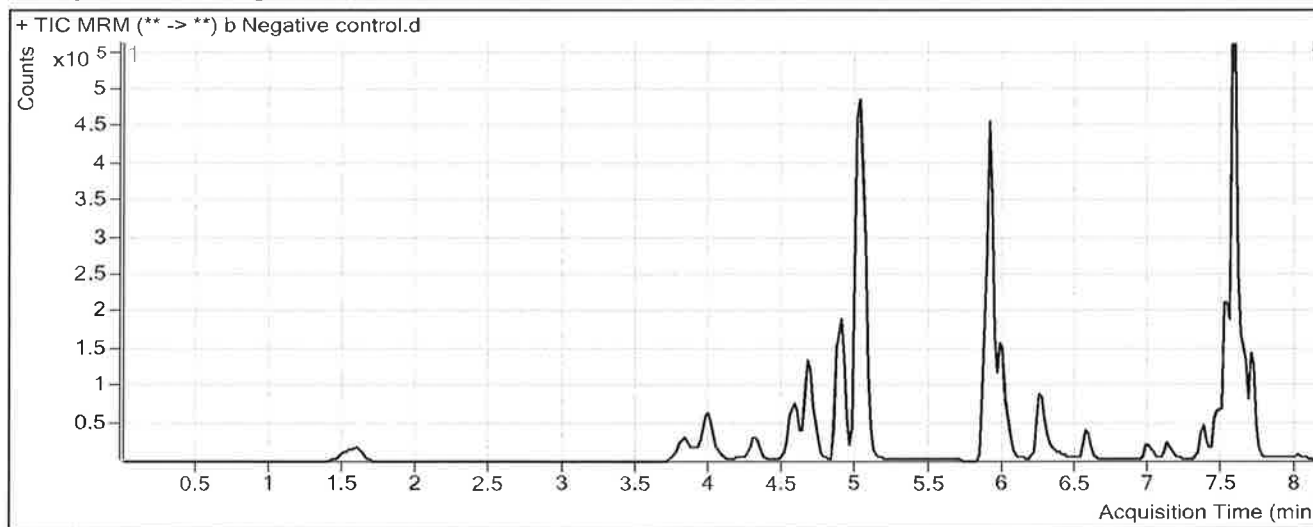
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Report Time	4/10/2018 8:22 AM	Reporter Name	ISPUser
Last Calib Update	4/9/2018 10:20 AM	Batch State	Processed

Analysis Info

Acq Time	2018-03-31 18:43	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 worklist 2301

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.523	2003	105335	0.0190	2.6922 < 25

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

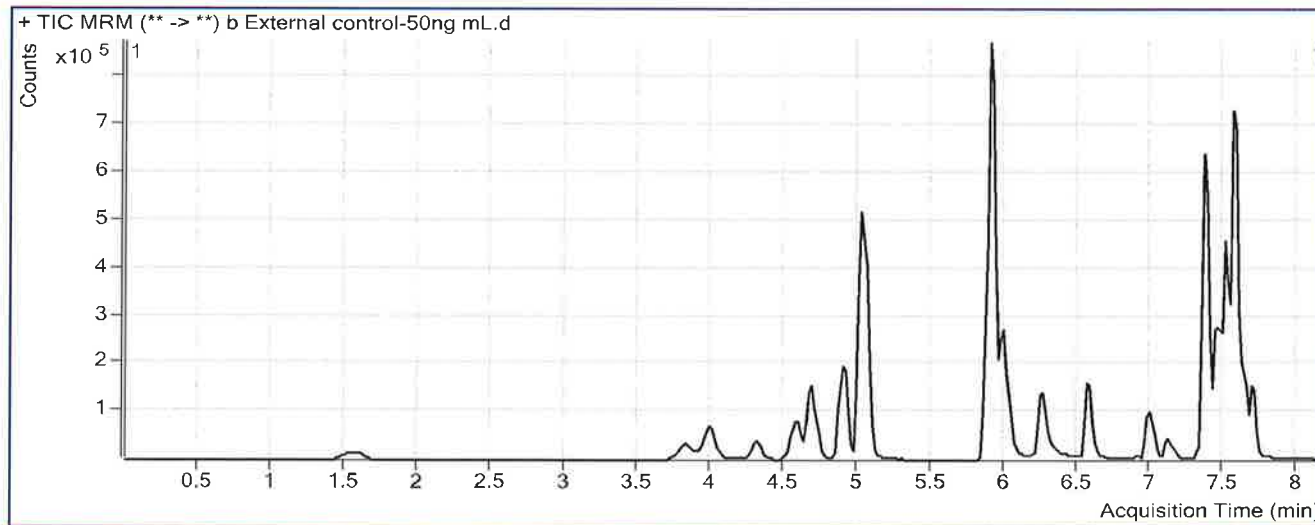
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Report Time 4/10/2018 8:22 AM **Reporter Name** ISPUser
Last Calib Update 4/9/2018 10:20 AM **Batch State** Processed

Analysis Info

Acq Time 2018-03-31 19:14 **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
<u>Ketamine</u>	Ketamine-D4	5.901	1237686	926546	1.3358	57.4598
<u>Quetiapine</u>	Quetiapine-D8	7.360	1224762	267538	4.5779	38.8034
Fluoxetine	Fluoxetine-D6	7.523	1740	741466	0.0023	1.9868 525

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

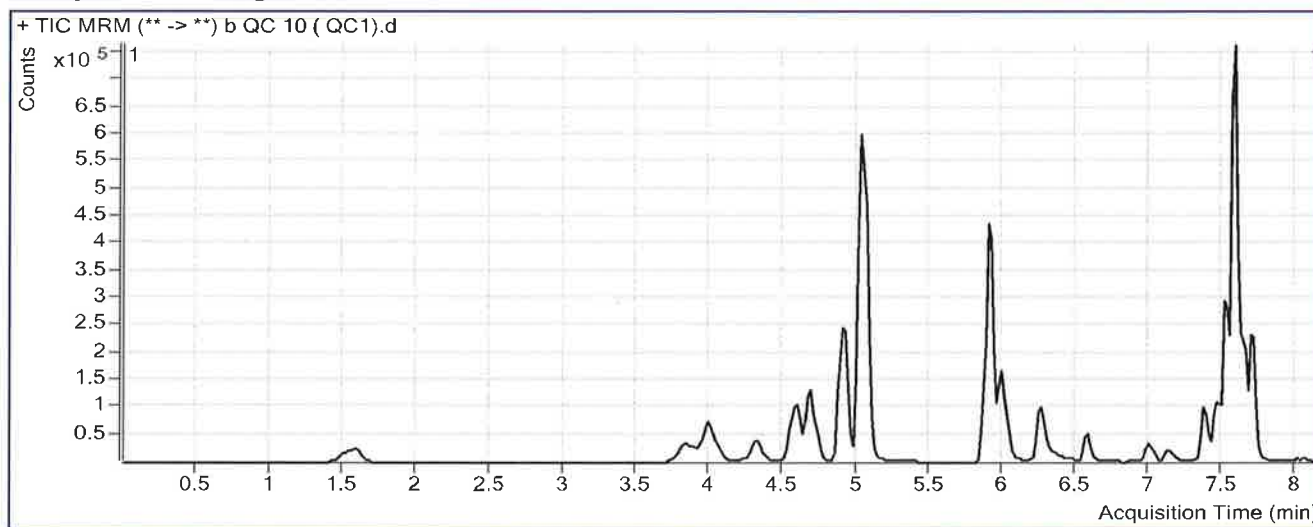
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Report Time 4/10/2018 8:22 AM **Reporter Name** ISPUser
Last Calib Update 4/9/2018 10:20 AM **Batch State** Processed

Analysis Info

Acq Time 2018-03-31 20:18 **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 worklist 2301

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.588	48675	177730	0.2739	9.8656
Dihydrocodeine	Dihydrocodeine-D6	3.895	30631	190348	0.1609	8.9479
Naloxone	Naloxone-D5	4.050	64384	438761	0.1467	9.2262
Noroxycodone	Noroxycodone-D3	4.359	48457	171440	0.2826	9.7465
Naltrexone	Naltrexone-D3	4.591	73719	376457	0.1958	9.2490
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.764	14237	557956	0.0255	0.9475
Naltrexol	Naltrexol-D3	4.910	176389	770030	0.2291	9.7223
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.036	408560	1966723	0.2077	9.9309
Ketamine	Ketamine-D4	5.901	164448	826579	0.1989	9.2332
Norfentanyl	Norfentanyl-D5	5.944	13089	812103	0.0161	1.1186
alpha-PVP	alpha-PVP-d8	6.268	73674	408767	0.1802	9.6658
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.601	2477	199584	0.0124	1.1574
Fentanyl	Fentanyl-D5	6.999	1673	110601	0.0151	0.9374
EDDP	EDDP-D3	7.150	11579	59094	0.1959	11.6968
Quetiapine	Quetiapine-D8	7.380	118181	102497	1.1530	10.4137
Sufentanil	Sufentanil-D5	7.379	1652	67528	0.0245	1.2704
Cyclobenzaprine	Cyclobenzaprine-D3	7.433	13571	55497	0.2445	9.6688
Methadone	Methadone-D9	7.463	53242	234996	0.2266	9.7614
Fluoxetine	Fluoxetine-D6	7.523	48691	220754	0.2206	11.2192

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report *b0c10 (QC1) S*

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxazepam	Oxazepam-D5	7.529	77824	518349	0.1501	9.9301
Sertraline	Sertraline-D3	7.565	22584	108746	0.2077	10.5573
Temazepam	Temazepam-D5	7.587	295969	1708058	0.1733	10.2373
Buprenorphine	Buprenorphine-D4	7.597	2144	60972	0.0352	5.6613 <i>not evaluated S</i>
Nordiazepam	Nordiazepam-D5	7.655	133749	419190	0.3191	10.2103
Diazepam	Diazepam-D5	7.712	96484	417430	0.2311	9.4373

ISP FORENSICS - Pocatello Instrument # 59740

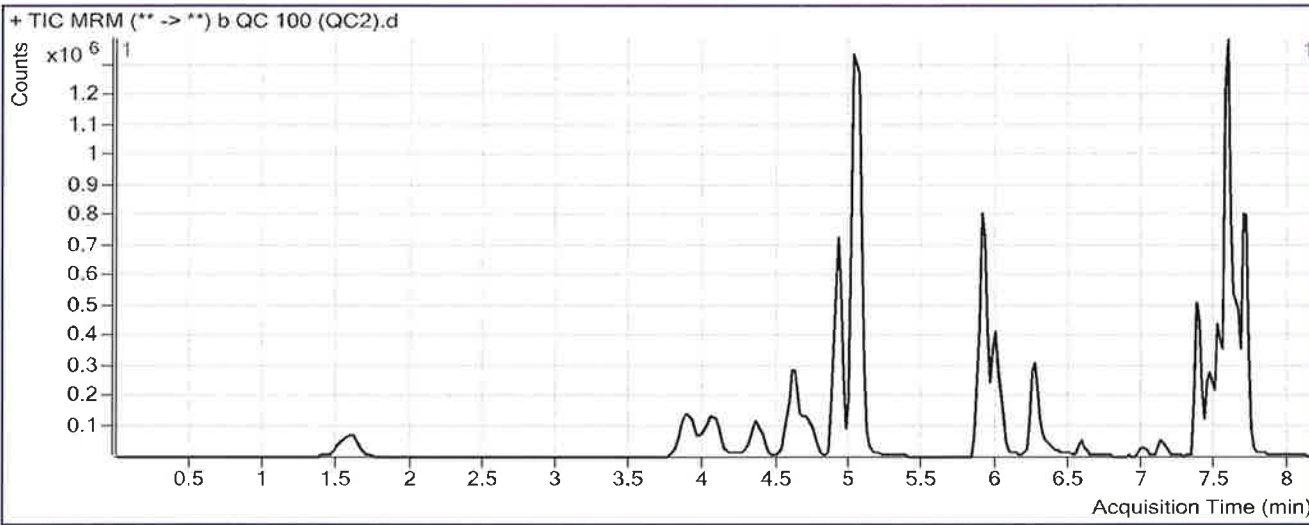
Multi-Drug Confirmatory Analysis Report

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Last Calib Update	4/9/2018 10:20 AM	Batch State	Processed

Analysis Info

Acq Time	2018-03-31 21:52	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 worklist 2301

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.588	435711	140082	3.1104	99.7454
Dihydrocodeine	Dihydrocodeine-D6	3.895	309962	163357	1.8975	98.4100
Naloxone	Naloxone-D5	4.070	594278	325711	1.8246	97.5788
Noroxycodone	Noroxycodone-D3	4.359	432222	132928	3.2515	92.5473
Naltrexone	Naltrexone-D3	4.611	623933	268377	2.3248	102.3989
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.744	136507	488049	0.2797	9.4268
Naltrexol	Naltrexol-D3	4.910	1585064	638567	2.4822	98.8067
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.056	3719906	1681464	2.2123	96.7572
Ketamine	Ketamine-D4	5.901	1620443	685960	2.3623	101.0047
Norfentanyl	Norfentanyl-D5	5.944	143629	749217	0.1917	9.1055
alpha-PVP	alpha-PVP-d8	6.268	714874	343241	2.0827	102.1206
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.579	20396	147620	0.1382	9.0582
Norbuprenorphine	Norbuprenorphine-D3	6.894	938	3501	0.2679	14.2048
Fentanyl	Fentanyl-D5	6.999	12323	78307	0.1574	8.8468
EDDP	EDDP-D3	7.130	96526	46237	2.0876	96.2559
Quetiapine	Quetiapine-D8	7.360	1053302	92930	11.3343	94.8094
Sufentanil	Sufentanil-D5	7.379	9854	41688	0.2364	10.5759
Cyclobenzaprine	Cyclobenzaprine-D3	7.433	110175	36949	2.9818	98.7827
Methadone	Methadone-D9	7.463	443988	169280	2.6228	100.8050

not evaluated P

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report *bQC 100 (QC2) S*

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.504	299359	126403	2.3683	102.0848
Oxazepam	Oxazepam-D5	7.529	375838	211722	1.7752	102.3754
Sertraline	Sertraline-D3	7.565	132746	59113	2.2456	102.4604
Temazepam	Temazepam-D5	7.587	2066487	1128548	1.8311	93.0217
Buprenorphine	Buprenorphine-D4	7.597	16576	42477	0.3902	11.7094
Nordiazepam	Nordiazepam-D5	7.655	950784	273768	3.4730	97.1287
Diazepam	Diazepam-D5	7.712	851678	327487	2.6006	96.0044

not evaluated S

ISP FORENSICS - Pocatello Instrument # 59740

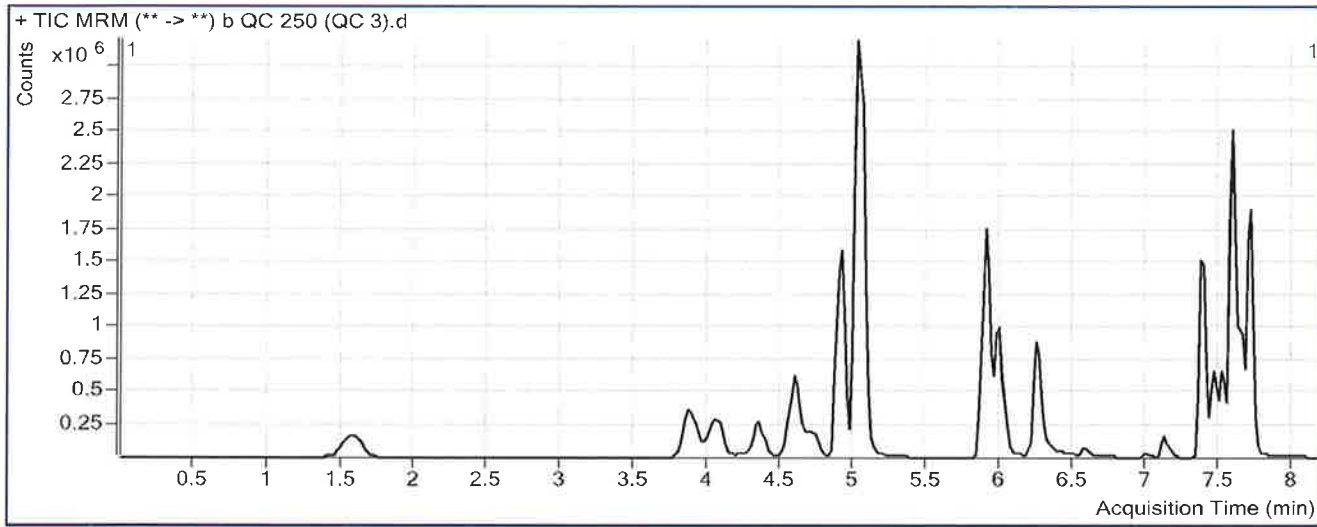
Multi-Drug Confirmatory Analysis Report

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Report Time 4/10/2018 8:23 AM **Reporter Name** ISPUser
Last Calib Update 4/9/2018 10:20 AM **Batch State** Processed

Analysis Info

Acq Time 2018-03-31 23:57 **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 worklist 2301

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.588	1190891	150751	7.8997	251.5024
Dihydrocodeine	Dihydrocodeine-D6	3.877	867992	183554	4.7288	244.2746
Naloxone	Naloxone-D5	4.050	1441861	325394	4.4311	234.8387
Noroxycodone	Noroxycodone-D3	4.359	1131112	137137	8.2481	231.8978
Naltrexone	Naltrexone-D3	4.591	1490250	266629	5.5892	245.2241
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.744	395874	550515	0.7191	24.0847
Naltrexol	Naltrexol-D3	4.910	4195253	664286	6.3154	250.3630
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.036	10674518	1905687	5.6014	243.5536
Ketamine	Ketamine-D4	5.901	4617789	802564	5.7538	244.8752
Norfentanyl	Norfentanyl-D5	5.944	446311	864419	0.5163	23.8710
alpha-PVP	alpha-PVP-d8	6.247	2160347	440037	4.9095	239.4921
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.579	54026	158033	0.3419	21.8568
Norbuprenorphine	Norbuprenorphine-D3	6.894	1625	4678	0.3474	17.9777
Fentanyl	Fentanyl-D5	6.999	29482	69697	0.4230	23.6181
EDDP	EDDP-D3	7.130	340325	66957	5.0828	230.1393
Quetiapine	Quetiapine-D8	7.360	3675268	116209	31.6263	263.0151
Sufentanil	Sufentanil-D5	7.379	21469	39502	0.5435	24.0630
Cyclobenzaprine	Cyclobenzaprine-D3	7.433	242162	34600	6.9988	229.5613
Methadone	Methadone-D9	7.463	1172929	189887	6.1770	235.8434

P
 not evaluated

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report *bQC 250 (QC 3)* *P*

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.504	571500	108869	5.2495	223.9805
Oxazepam	Oxazepam-D5	7.529	581027	140393	4.1386	236.8278
Sertraline	Sertraline-D3	7.565	255013	46182	5.5219	250.2050
Temazepam	Temazepam-D5	7.587	4541691	984094	4.6151	232.0422
Buprenorphine	Buprenorphine-D4	7.597	39284	40030	0.9814	21.7787 <i>not evaluated</i> <i>P</i>
Nordiazepam	Nordiazepam-D5	7.655	1943382	236871	8.2044	227.5227
Diazepam	Diazepam-D5	7.712	2174304	337357	6.4451	236.4573

ISP FORENSICS - Pocatello Instrument # 59740

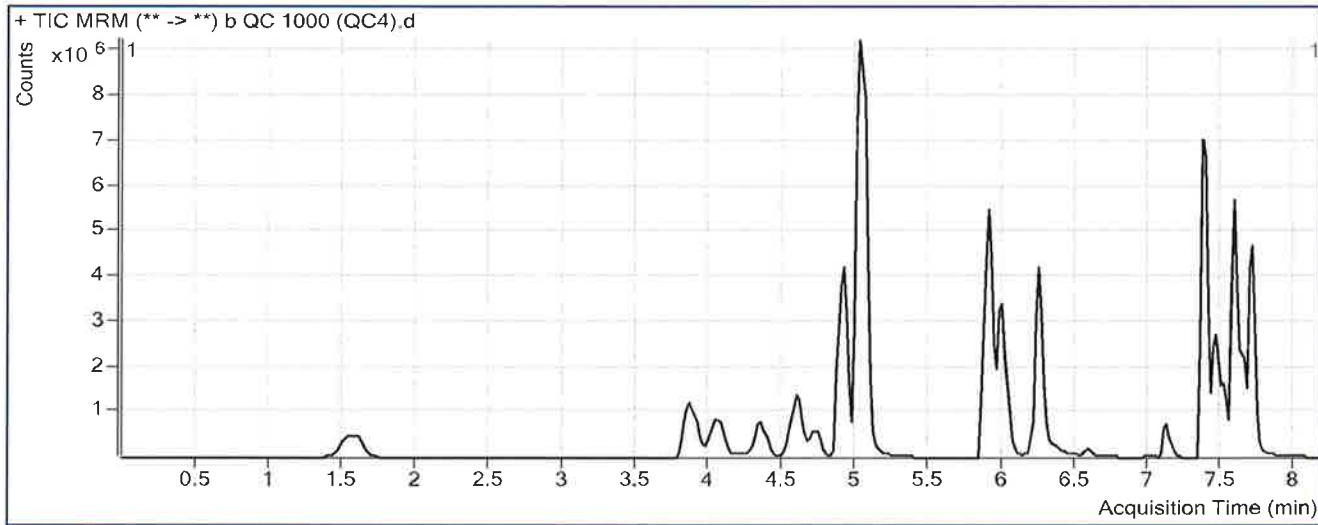
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\033118 MDQ Panel 1 SP worklist 2301\QuantResults\033118 MDQP1b SI
Analysis Time 4/9/2018 10:20 AM **Analyst Name** ISPUser
Report Time 4/10/2018 8:23 AM **Reporter Name** ISPUser
Last Calib Update 4/9/2018 10:20 AM **Batch State** Processed

Analysis Info

Acq Time 2018-04-01 02:03 **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 worklist 2301

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.588	4037642	123363	32.7297	1038.2786
Dihydrocodeine	Dihydrocodeine-D6	3.877	3022072	167184	18.0764	931.9114
Naloxone	Naloxone-D5	4.050	4381231	212956	20.5734	1084.8792
Noroxycodone	Noroxycodone-D3	4.359	3559129	99275	35.8512	1001.7347
Naltrexone	Naltrexone-D3	4.591	3736825	166958	22.3818	979.9405
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.744	1640563	493504	3.3243	110.9920
Naltrexol	Naltrexol-D3	4.910	13048856	517281	25.2259	998.0374
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.036	37407773	1625650	23.0110	997.6367
Ketamine	Ketamine-D4	5.901	17813094	740302	24.0619	1021.5255
Norfentanyl	Norfentanyl-D5	5.944	1775801	772021	2.3002	105.0146
alpha-PVP	alpha-PVP-d8	6.247	9517751	478237	19.9018	968.0724
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.579	308670	200128	1.5424	97.2831
Norbuprenorphine	Norbuprenorphine-D3	6.914	6367	3255	1.9559	94.3085
Fentanyl	Fentanyl-D5	6.999	123805	66268	1.8683	103.9827
EDDP	EDDP-D3	7.130	1700652	76772	22.1519	993.1352
Quetiapine	Quetiapine-D8	7.360	17391831	140148	124.0961	1029.5230
Sufentanil	Sufentanil-D5	7.379	86136	38561	2.2337	98.2908
Cyclobenzaprine	Cyclobenzaprine-D3	7.433	953025	28728	33.1742	1081.7270
Methadone	Methadone-D9	7.463	5351409	207856	25.7458	979.3482

S
not evaluated

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report *b QC 1000 (QC4) P*

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.504	1330560	60646	21.9397	930.1078
Oxazepam	Oxazepam-D5	7.529	1355578	76703	17.6731	1006.7909
Sertraline	Sertraline-D3	7.565	644526	28855	22.3368	1008.4867
Temazepam	Temazepam-D5	7.587	11425054	573352	19.9268	996.6402
Buprenorphine	Buprenorphine-D4	7.597	136061	24477	5.5586	99.7464
Nordiazepam	Nordiazepam-D5	7.655	4388574	119487	36.7285	1013.6201
Diazepam	Diazepam-D5	7.712	6130955	220728	27.7760	1015.7566

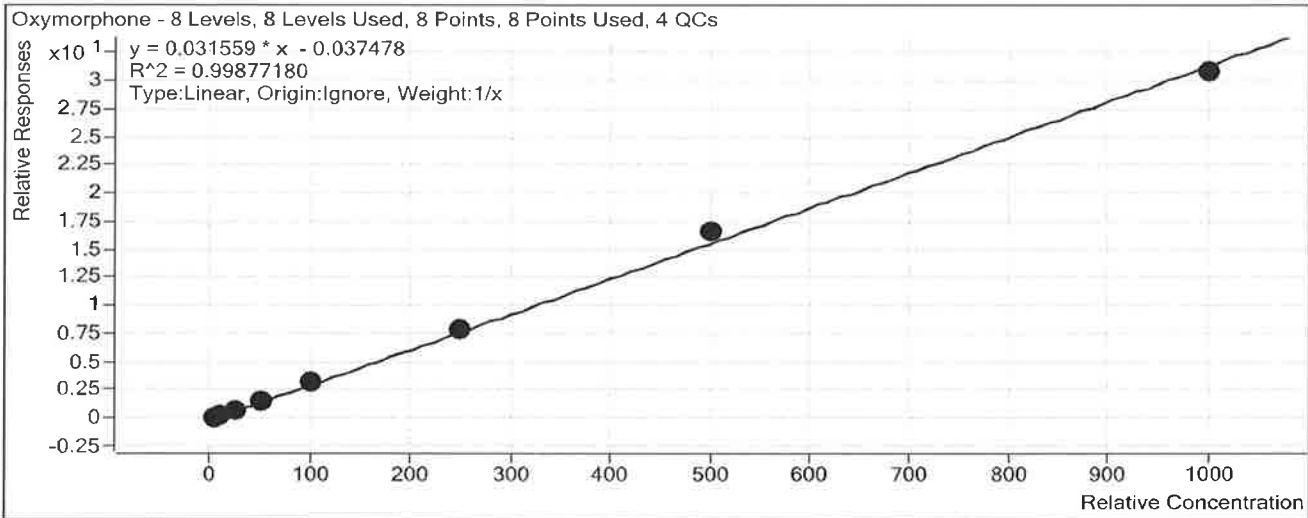
not evaluated **P**

ISP FORENSICS Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\033118 MDQ Panel 1 SP worklist
2301\QuantResults\033118 MDQP1b SP worklist 2301.batch.bin

Last Calib Update 4/9/2018 10:20 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	5.3	105.7
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	99.7
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.9	98.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.1	96.4
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.4	92.7
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.5	102.5
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	99.7	99.7
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	251.1	100.5
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	251.5	100.6
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	524.7	104.9
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	976.0	97.6
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1038.3	103.8

Calibration Curve Report

Batch Data Path

C:\MassHunter\Data\2018\MD Quant\033118 MDQ Panel 1 SP worklist
2301\QuantResults\033118 MDQP1b SP worklist 2301.batch.bin

Last Calib Update

4/9/2018 10:20 AM

Analyst Name

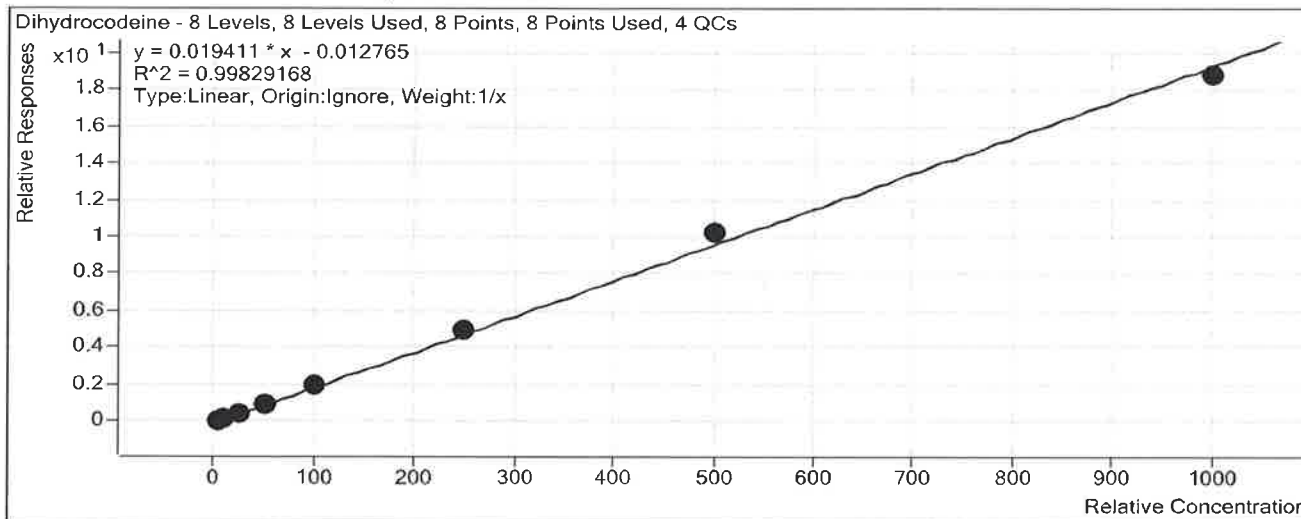
ISP TOX

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	5.0	99.4
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	99.2
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	8.9	89.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.1	100.4
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.0	94.0
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.8	101.8
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	98.4	98.4
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	257.9	103.2
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	244.3	97.7
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	526.8	105.4
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	966.5	96.6
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	931.9	93.2

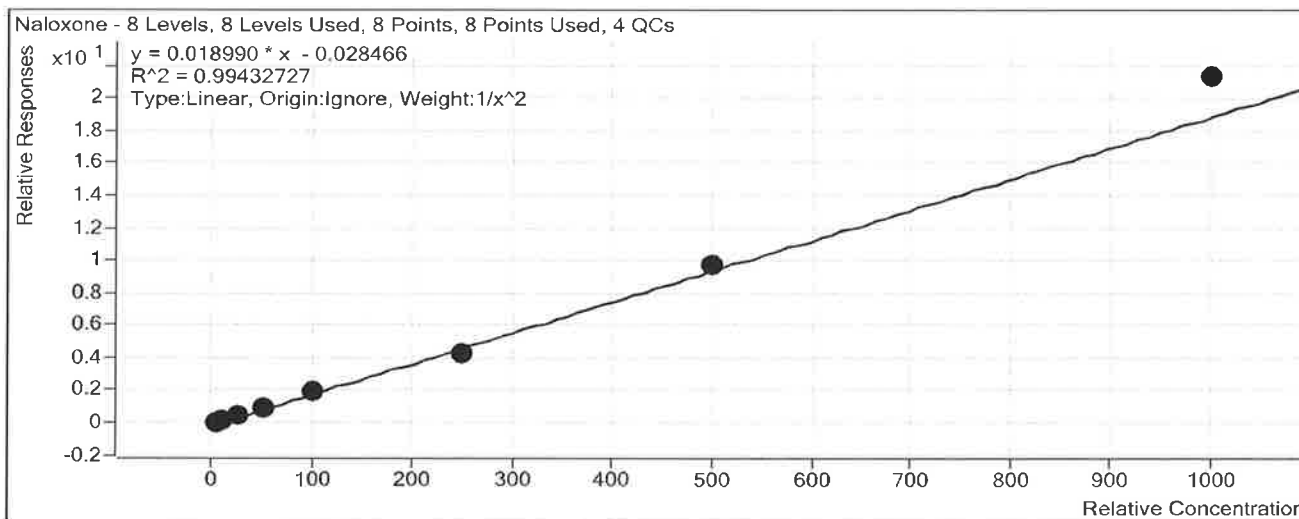
ISP Forensics Calibration Curve Report

D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\033118 MDQ Panel 1 SP worklist
2301\QuantResults\033118 MDQP1b SP worklist 2301.batch.bin

Last Calib Update 4/9/2018 10:20 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	5.1	101.3
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	99.0
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.2	92.3
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.9	99.4
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.5	93.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.0	102.0
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	97.6	97.6
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	226.4	90.6
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	234.8	93.9
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	511.6	102.3
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1123.1	112.3
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1084.9	108.5

Calibration Curve Report

A

Batch Data Path

C:\MassHunter\Data\2018\MD Quant\033118 MDQ Panel 1 SP worklist
2301\QuantResults\033118 MDQP1b SP worklist 2301.batch.bin

Last Calib Update

4/9/2018 10:20 AM

Analyst Name

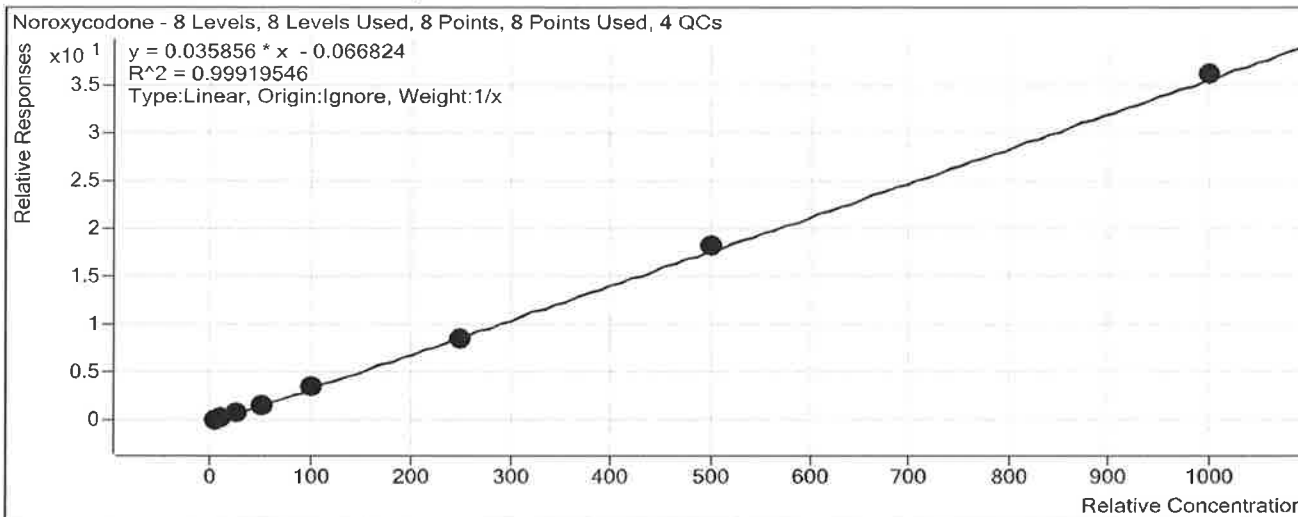
ISP TOX

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	5.8	116.5
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	101.2
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.7	97.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.4	93.4
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.1	92.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.7	98.7
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	92.5	92.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	237.7	95.1
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	231.9	92.8
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	509.6	101.9
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1008.5	100.9
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1001.7	100.2

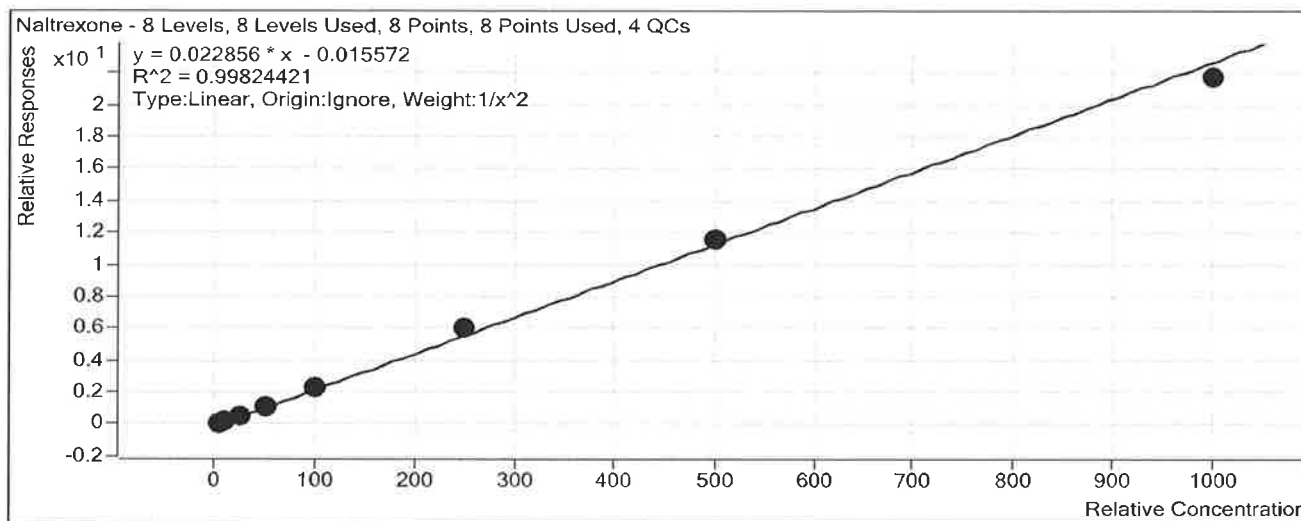
ISP FORENSICS Calibration Curve Report

D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\033118 MDQ Panel 1 SP worklist
2301\QuantResults\033118 MDQP1b SP worklist 2301.batch.bin

Last Calib Update 4/9/2018 10:20 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	101.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	99.1
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.2	92.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.5	98.2
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.0	96.0
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.4	103.4
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	102.4	102.4
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	264.4	105.7
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	245.2	98.1
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	507.9	101.6
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	950.2	95.0
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	979.9	98.0

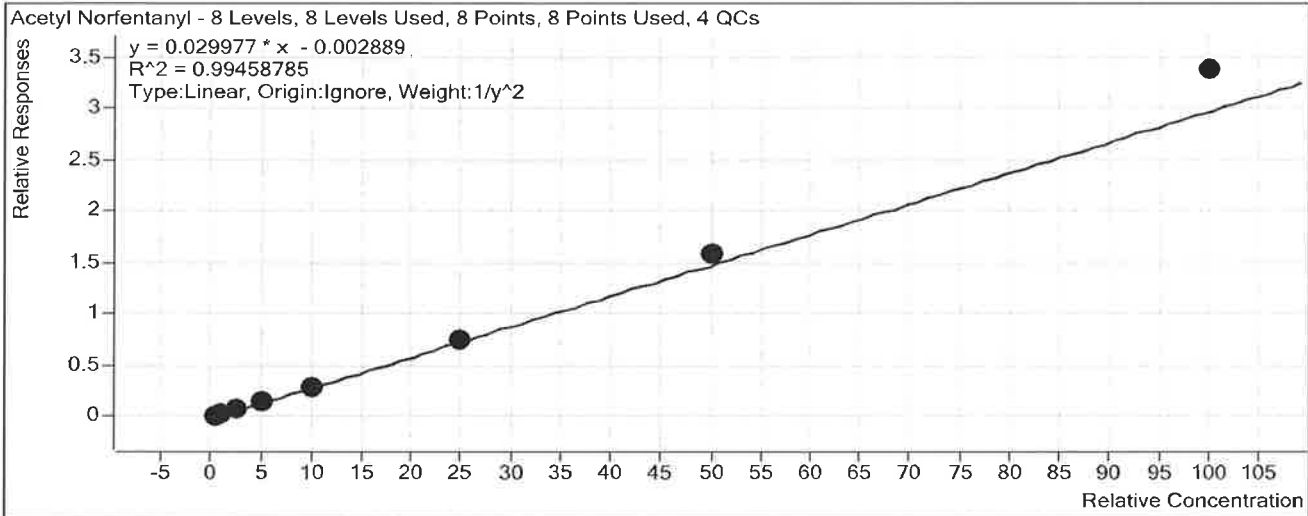
ISP FORENSICS Calibration Curve Report

D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\033118 MDQ Panel 1 SP worklist
2301\QuantResults\033118 MDQP1b SP worklist 2301.batch.bin

Last Calib Update 4/9/2018 10:20 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	101.1
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.0	100.0
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	1	0.9	94.8
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.4	98.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.5	90.6
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.7	97.1
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	10	9.4	94.3
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	24.9	99.7
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	25	24.1	96.3
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	53.4	106.7
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	112.7	112.7
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	100	111.0	111.0

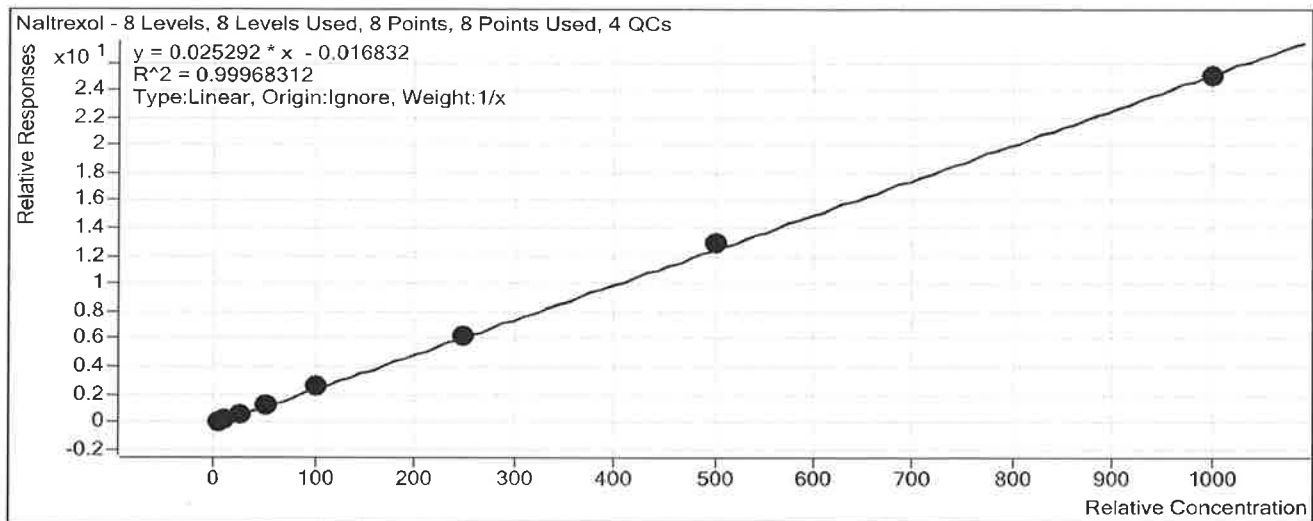
ISP FORENSICS Calibration Curve Report

D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\033118 MDQ Panel 1 SP worklist
2301\QuantResults\033118 MDQP1b SP worklist 2301.batch.bin

Last Calib Update 4/9/2018 10:20 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	5.0	99.2
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	99.9
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.7	97.2
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.1	100.3
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.2	96.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.8	103.8
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	98.8	98.8
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	249.0	99.6
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	250.4	100.1
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	510.4	102.1
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	988.6	98.9
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	998.0	99.8

Calibration Curve Report

Batch Data Path

C:\MassHunter\Data\2018\MD Quant\033118 MDQ Panel 1 SP worklist
2301\QuantResults\033118 MDQP1b SP worklist 2301.batch.bin

Last Calib Update

4/9/2018 10:20 AM

Analyst Name

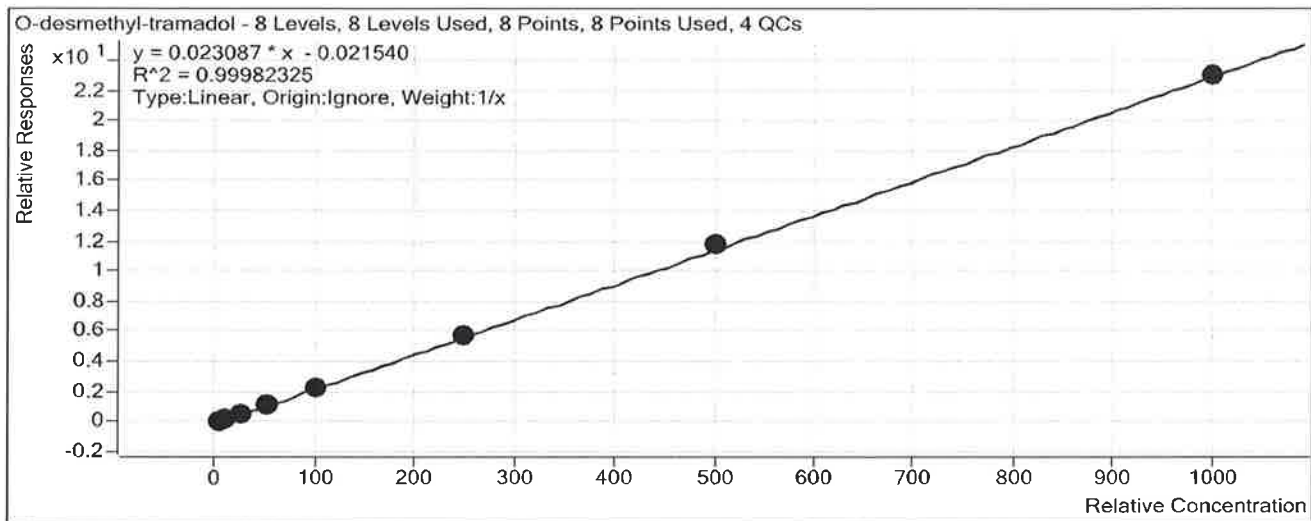
ISP TOX

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	5.2	103.7
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	101.3
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.9	99.3
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.8	99.3
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.4	94.7
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.7	100.7
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	96.8	96.8
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	247.8	99.1
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	507.9	101.6
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	996.2	99.6
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	997.6	99.8

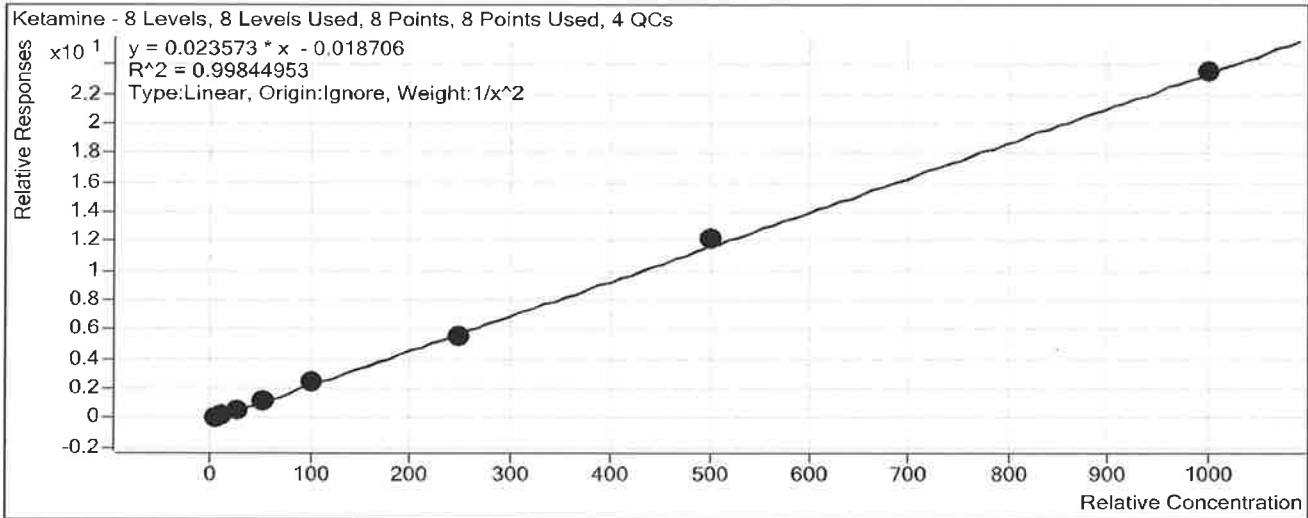
ISP FORENSICS Calibration Curve Report

D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\033118 MDQ Panel 1 SP worklist
2301\QuantResults\033118 MDQP1b SP worklist 2301.batch.bin

Last Calib Update 4/9/2018 10:20 AM **Analyst Name** ISP TOX

Target Compound Ketamine
Internal Standard Ketamine-D4

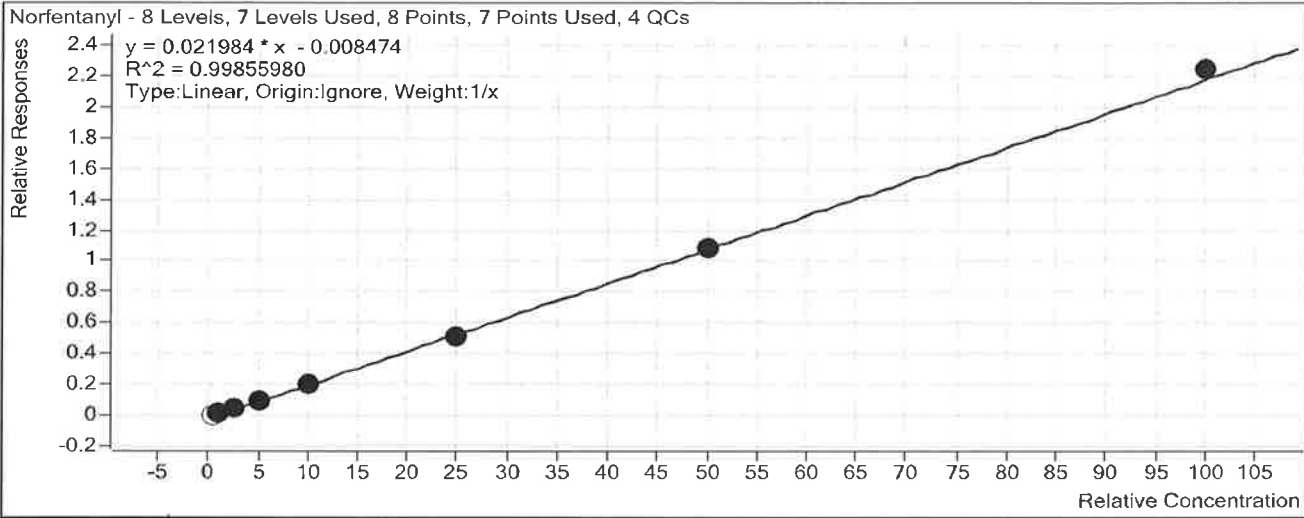


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	99.5
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	100.8
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.2	92.3
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.3	101.1
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.5	97.0
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	104.7	104.7
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	101.0	101.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	234.6	93.8
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	244.9	98.0
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	516.2	103.2
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	997.3	99.7
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1021.5	102.2

Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\033118 MDQ Panel 1 SP worklist
 2301\QuantResults\033118 MDQP1b SP worklist 2301.batch.bin
Last Calib Update 4/9/2018 10:20 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	0.7	144.6
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.2	118.1
b QC 10 (QC1)	2	<input type="checkbox"/>	1	1.1	111.9
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.4	97.7
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.5	90.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.8	98.3
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	10	9.1	91.1
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	23.4	93.5
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	49.9	99.9
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	102.2	102.2
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	100	105.0	105.0

Calibration Curve Report

Batch Data Path

C:\MassHunter\Data\2018\MD Quant\033118 MDQ Panel 1 SP worklist
2301\QuantResults\033118 MDQP1b SP worklist 2301.batch.bin

Last Calib Update

4/9/2018 10:20 AM

Analyst Name

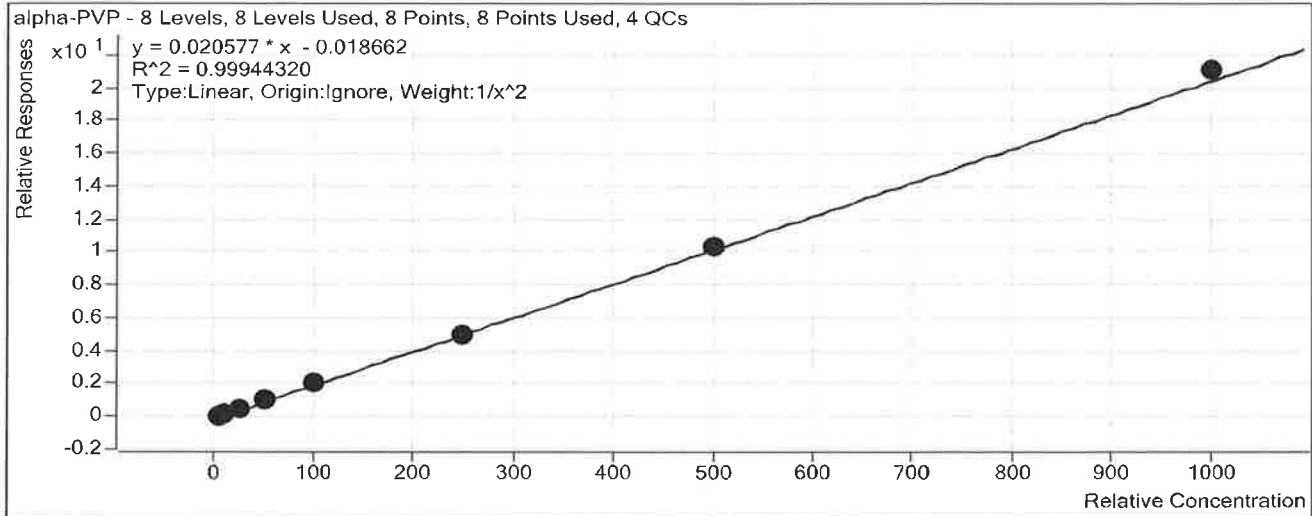
ISP TOX

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	5.1	101.1
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	97.4
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.7	96.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.3	101.1
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.9	99.9
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.4	101.4
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	102.1	102.1
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	239.5	95.8
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	501.4	100.3
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1024.0	102.4
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	968.1	96.8

Calibration Curve Report

Batch Data Path

C:\MassHunter\Data\2018\MD Quant\033118 MDQ Panel 1 SP worklist
2301\QuantResults\033118 MDQP1b SP worklist 2301.batch.bin

Last Calib Update

4/9/2018 10:20 AM

Analyst Name

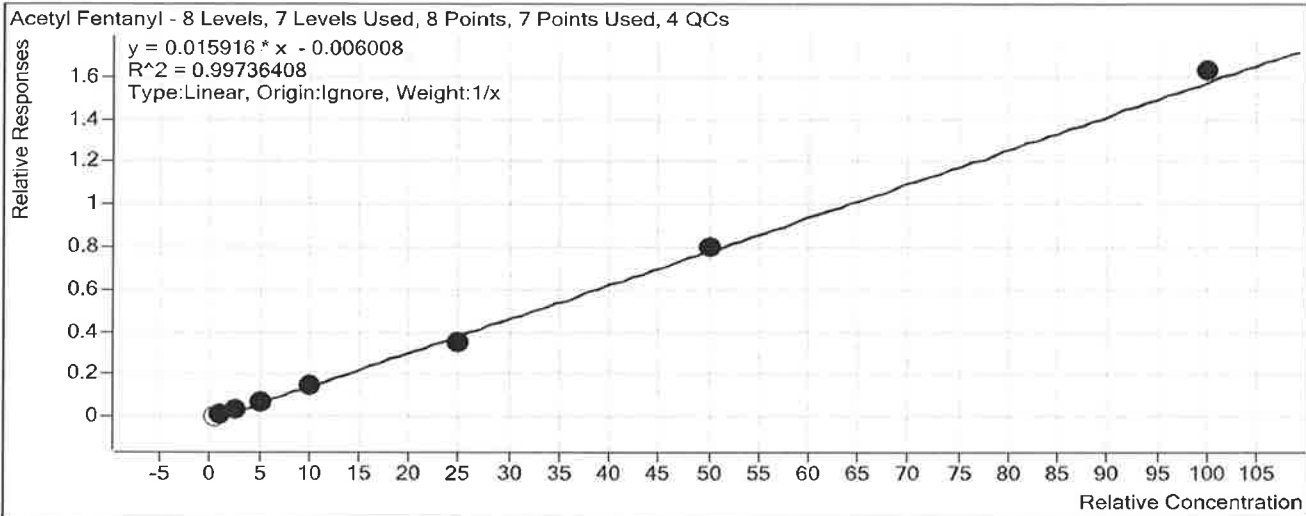
ISP TOX

Target Compound

Acetyl Fentanyl

Internal Standard

Acetyl Fentanyl-D5



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	0.5	0.8	156.8
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.2	119.3
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	1	1.2	115.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.5	100.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.5	91.0
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.6	96.3
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	10	9.1	90.6
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	22.4	89.6
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	25	21.9	87.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	50.6	101.2
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	102.6	102.6
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	100	97.3	97.3

Calibration Curve Report

Batch Data Path

C:\MassHunter\Data\2018\MD Quant\033118 MDQ Panel 1 SP worklist
2301\QuantResults\033118 MDQP1b SP worklist 2301.batch.bin

Last Calib Update

4/9/2018 10:20 AM

Analyst Name

ISP TOX

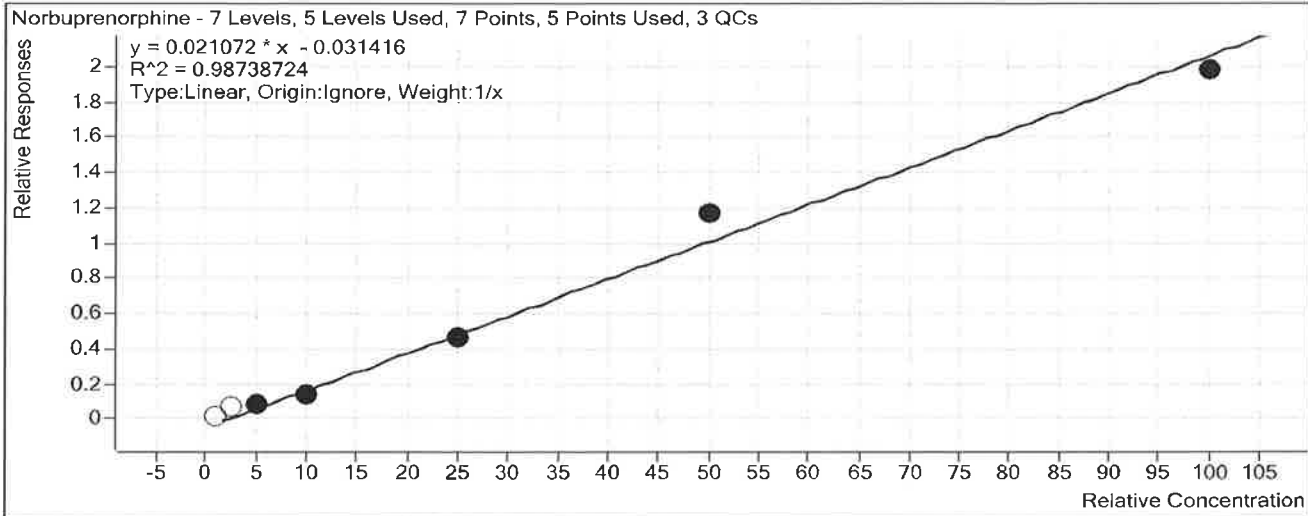
ISP

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	2.7	269.8
b cal 2-10ng	2	<input type="checkbox"/>	1	2.7	269.8
b cal 3-25ng	3	<input type="checkbox"/>	2.5	5.1	204.1
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	5.6	111.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	8.5	84.8
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	10	14.2	142.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	23.6	94.4
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	25	18.0	71.9
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	57.0	114.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	95.4	95.4
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	100	94.3	94.3

Did not evaluate norbuprenorphine *ISP*

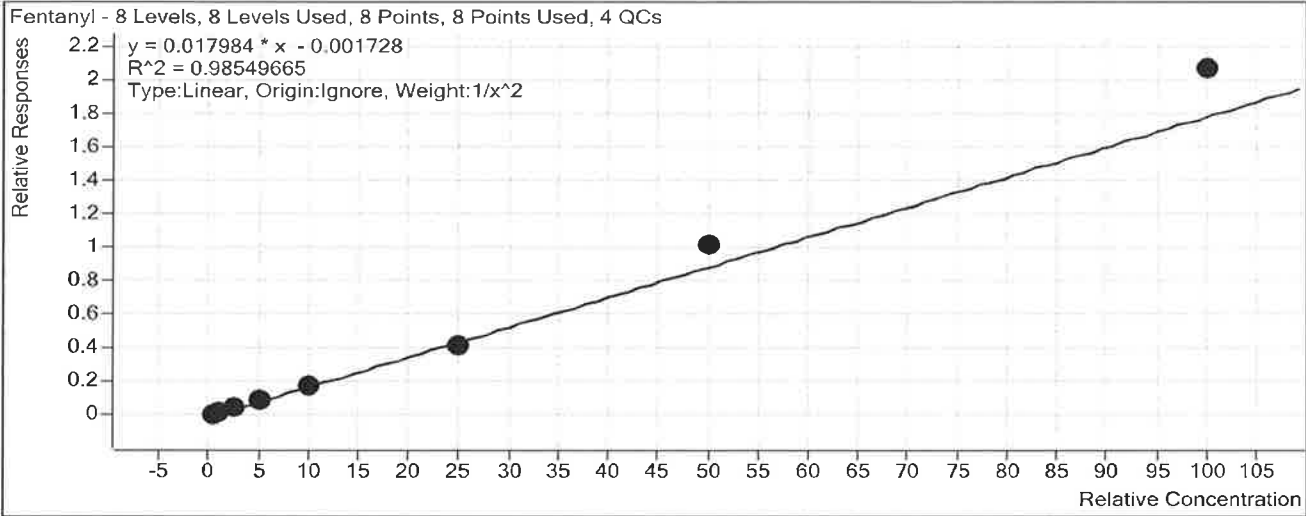
ISP Forensics Calibration Curve Report

P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\033118 MDQ Panel 1 SP worklist
2301\QuantResults\033118 MDQP1b SP worklist 2301.batch.bin

Last Calib Update 4/9/2018 10:20 AM **Analyst Name** ISP TOX

Target Compound Fentanyl
Internal Standard Fentanyl-D5



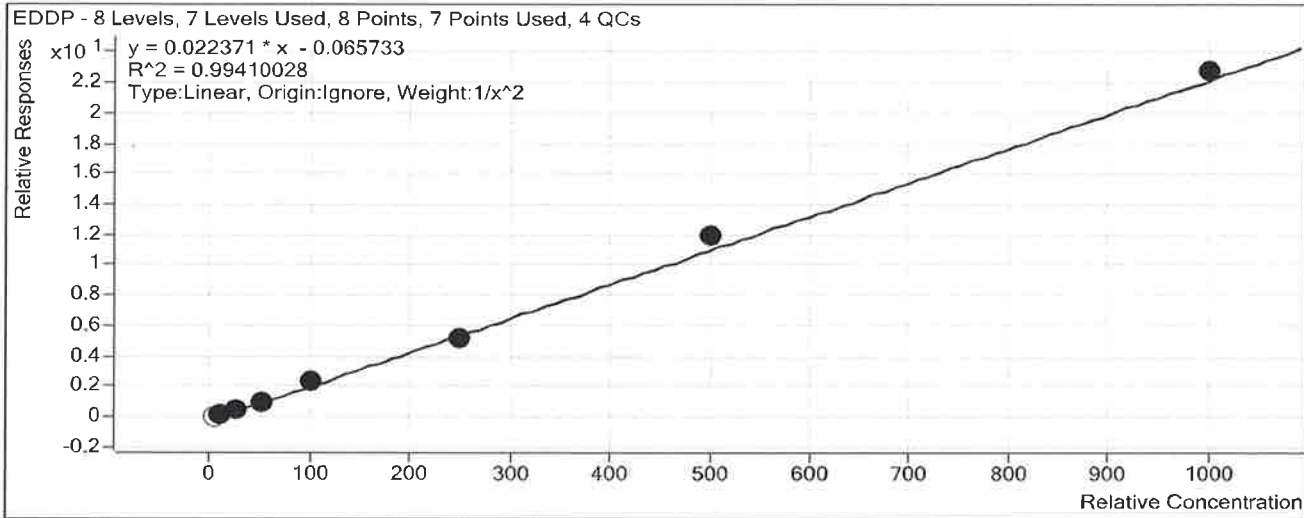
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	0.5	0.5	108.2
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	0.9	88.6
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	1	0.9	93.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.3	90.4
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.8	95.4
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.5	95.1
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	10	8.8	88.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	23.5	93.8
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	25	23.6	94.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	56.7	113.3
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	115.1	115.1
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	100	104.0	104.0

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\033118 MDQ Panel 1 SP worklist
2301\QuantResults\033118 MDQP1b SP worklist 2301.batch.bin

Last Calib Update 4/9/2018 10:20 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 type="checkbox"/>	5	7.1	141.1
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.4	104.1
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	11.7	117.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.7	90.7
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.7	95.4
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	106.7	106.7
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	96.3	96.3
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	235.0	94.0
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	230.1	92.1
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	536.5	107.3
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1018.7	101.9
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	993.1	99.3

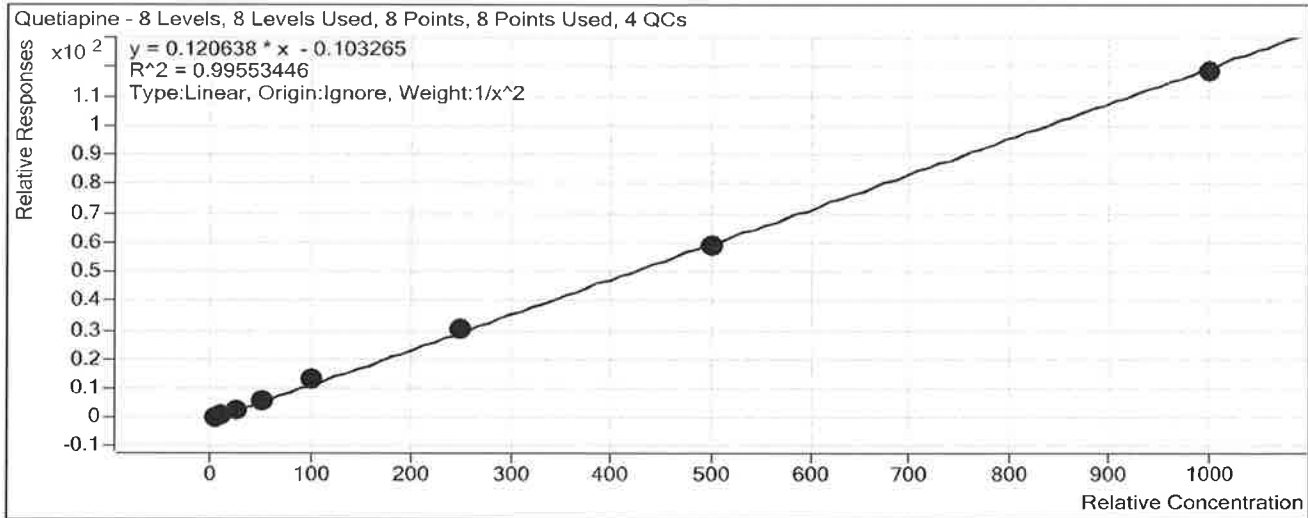
ISP FORENSICS Calibration Curve Report

D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\033118 MDQ Panel 1 SP worklist
2301\QuantResults\033118 MDQP1b SP worklist 2301.batch.bin

Last Calib Update 4/9/2018 10:20 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	5.2	104.6
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.1	91.0
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.4	104.1
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.5	98.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.9	97.8
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	110.8	110.8
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	94.8	94.8
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	254.3	101.7
b QC 250 (QC3)	6	<input checked="" type="checkbox"/>	250	263.0	105.2
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	489.9	98.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	981.8	98.2
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1029.5	103.0

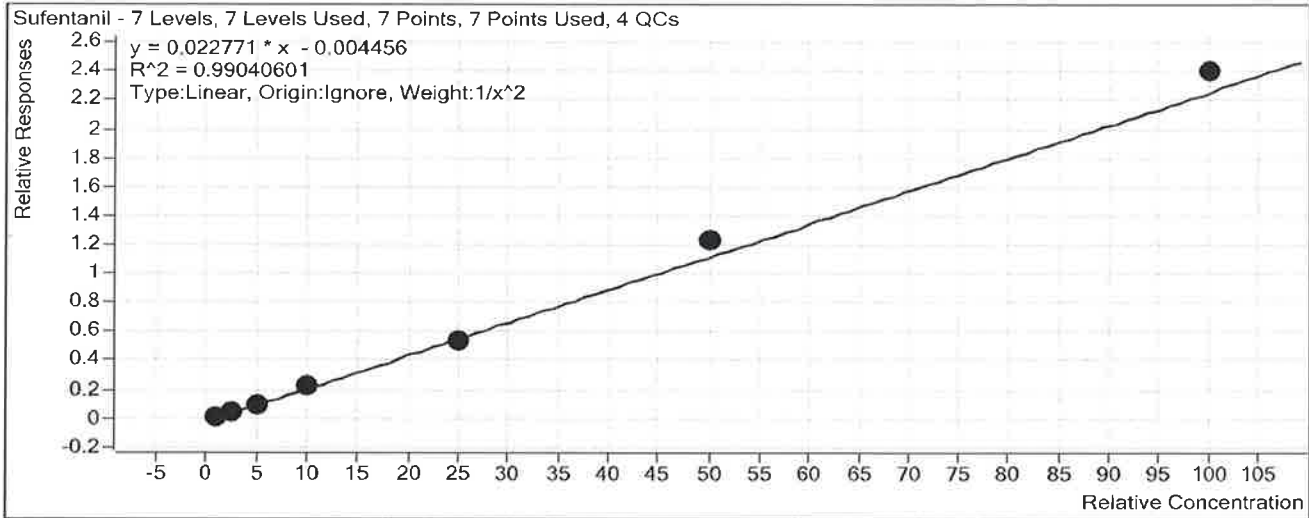
ISP Forensics Calibration Curve Report

A

Batch Data Path C:\MassHunter\Data\2018\MD Quant\033118 MDQ Panel 1 SP worklist
2301\QuantResults\033118 MDQP1b SP worklist 2301.batch.bin

Last Calib Update 4/9/2018 10:20 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 type="checkbox"/>	0.5	0.0	0.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.0	102.9
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	1	1.3	127.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.5	99.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.2	83.7
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	10.4	104.2
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	10	10.6	105.8
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	23.7	94.9
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	25	24.1	96.3
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	54.5	108.9
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	105.5	105.5
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	100	98.3	98.3

ISP Forensics Calibration Curve Report

Batch Data Path

C:\MassHunter\Data\2018\MD Quant\033118 MDQ Panel 1 SP worklist
2301\QuantResults\033118 MDQP1b SP worklist 2301.batch.bin

Last Calib Update

4/9/2018 10:20 AM

Analyst Name

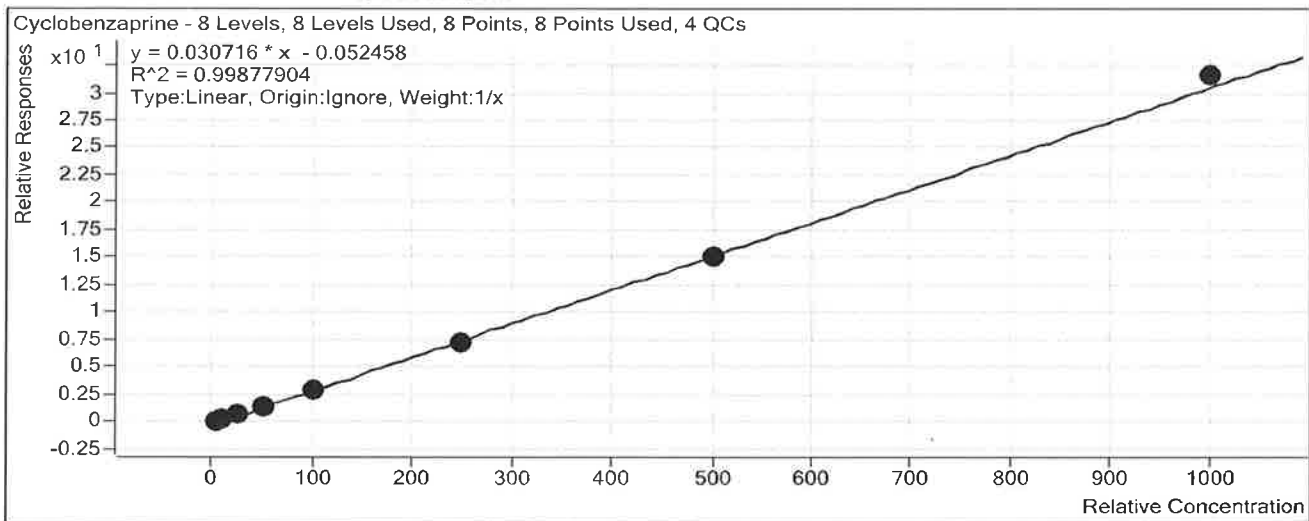
ISP TOX

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	5.8	115.2
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.5	105.2
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.7	96.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.5	94.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.3	92.6
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	96.7	96.7
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	98.8	98.8
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	238.8	95.5
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	229.6	91.8
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	489.6	97.9
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1028.8	102.9
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1081.7	108.2

ISP Forensics Calibration Curve Report

Batch Data Path

C:\MassHunter\Data\2018\MD Quant\033118 MDQ Panel 1 SP worklist
2301\QuantResults\033118 MDQP1b SP worklist 2301.batch.bin

Last Calib Update

4/9/2018 10:20 AM

Analyst Name

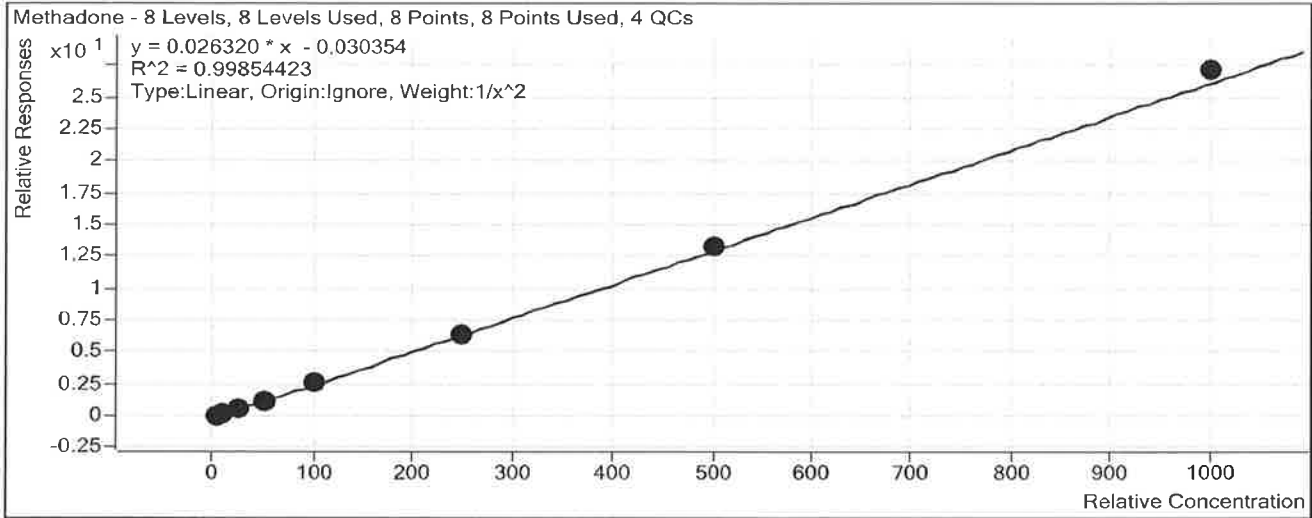
ISP TOX

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	5.0	99.9
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	100.2
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.8	97.6
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.6	102.5
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.8	93.6
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.0	103.0
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	100.8	100.8
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	242.1	96.9
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	235.8	94.3
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	504.5	100.9
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1030.3	103.0
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	979.3	97.9

Calibration Curve Report

Batch Data Path

C:\MassHunter\Data\2018\MD Quant\033118 MDQ Panel 1 SP worklist
2301\QuantResults\033118 MDQP1b SP worklist 2301.batch.bin

Last Calib Update

4/9/2018 10:20 AM

Analyst Name

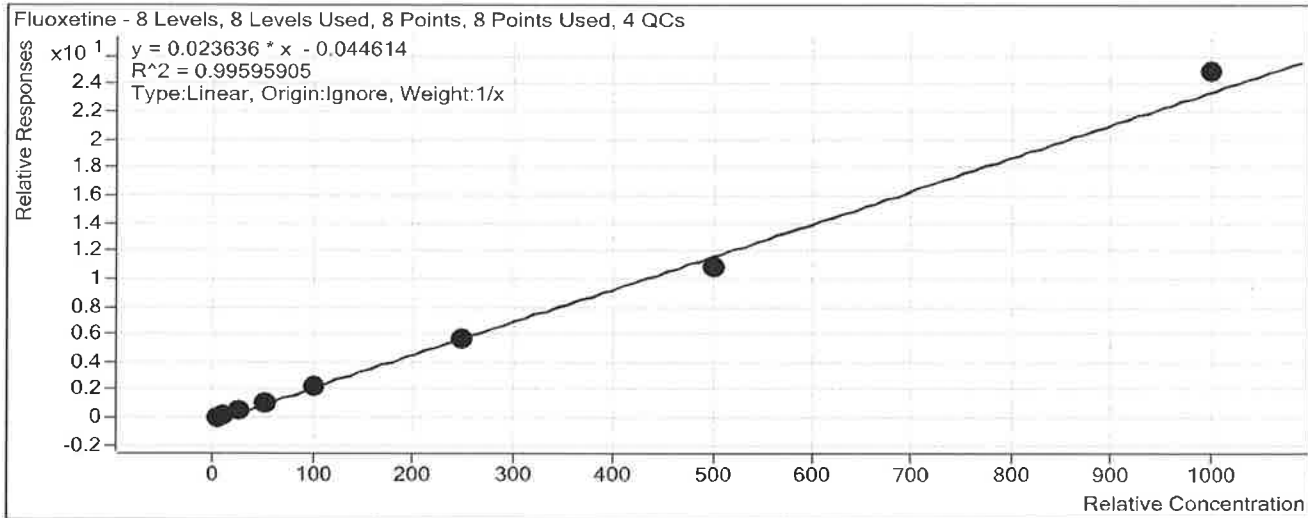
ISP TOX

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	5.6	112.4
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	11.1	110.6
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	11.2	112.2
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.2	92.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	45.7	91.4
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.1	98.1
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	102.1	102.1
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	243.8	97.5
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	224.0	89.6
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	458.7	91.7
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1053.8	105.4
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	930.1	93.0

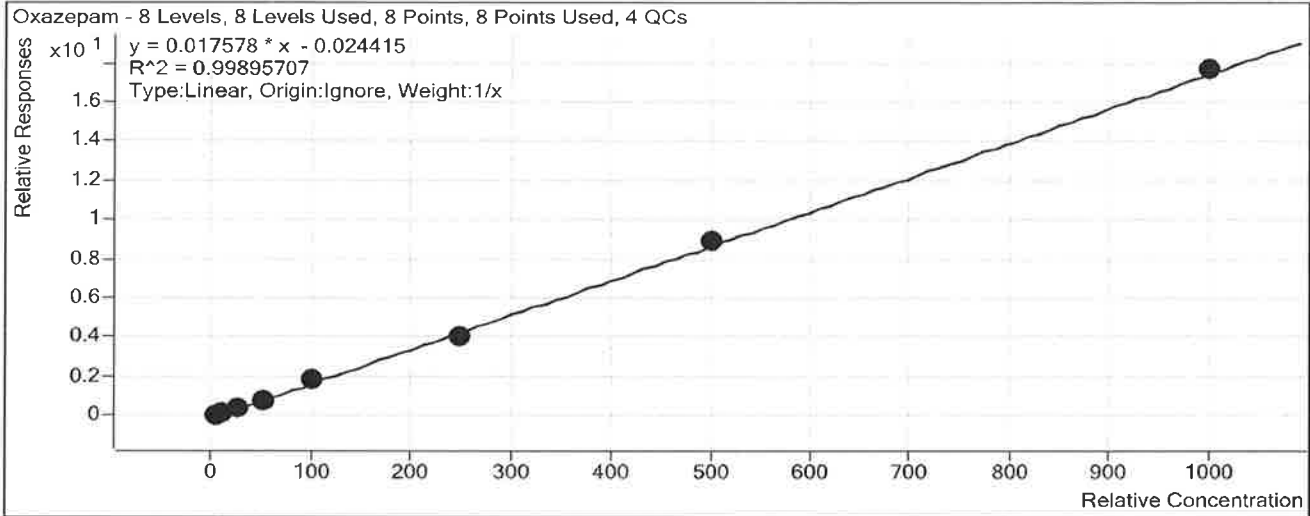
ISP Forensics Calibration Curve Report

JS

Batch Data Path C:\MassHunter\Data\2018\MD Quant\033118 MDQ Panel 1 SP worklist
2301\QuantResults\033118 MDQP1b SP worklist 2301.batch.bin

Last Calib Update 4/9/2018 10:20 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	109.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	100.6
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.9	99.3
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.9	95.8
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.1	94.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	104.8	104.8
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	102.4	102.4
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	233.0	93.2
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	236.8	94.7
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	509.2	101.8
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1006.4	100.6
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1006.8	100.7

ISP FORENSICS Calibration Curve Report

Batch Data Path

C:\MassHunter\Data\2018\MD Quant\033118 MDQ Panel 1 SP worklist
2301\QuantResults\033118 MDQP1b SP worklist 2301.batch.bin

Last Calib Update

4/9/2018 10:20 AM

Analyst Name

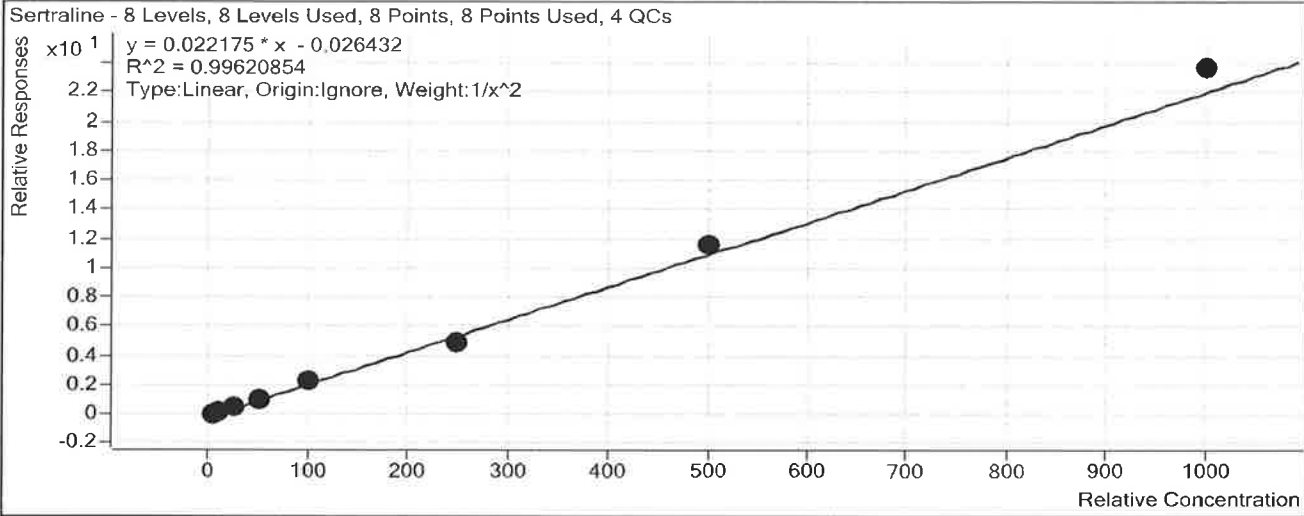
ISP TOX

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	5.1	101.2
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	98.2
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.6	105.6
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.2	100.8
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.5	95.0
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.9	102.9
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	102.5	102.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	225.8	90.3
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	524.5	104.9
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1066.6	106.7
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1008.5	100.8

Calibration Curve Report

P

Batch Data Path

C:\MassHunter\Data\2018\MD Quant\033118 MDQ Panel 1 SP worklist
2301\QuantResults\033118 MDQP1b SP worklist 2301.batch.bin

Last Calib Update

4/9/2018 10:20 AM

Analyst Name

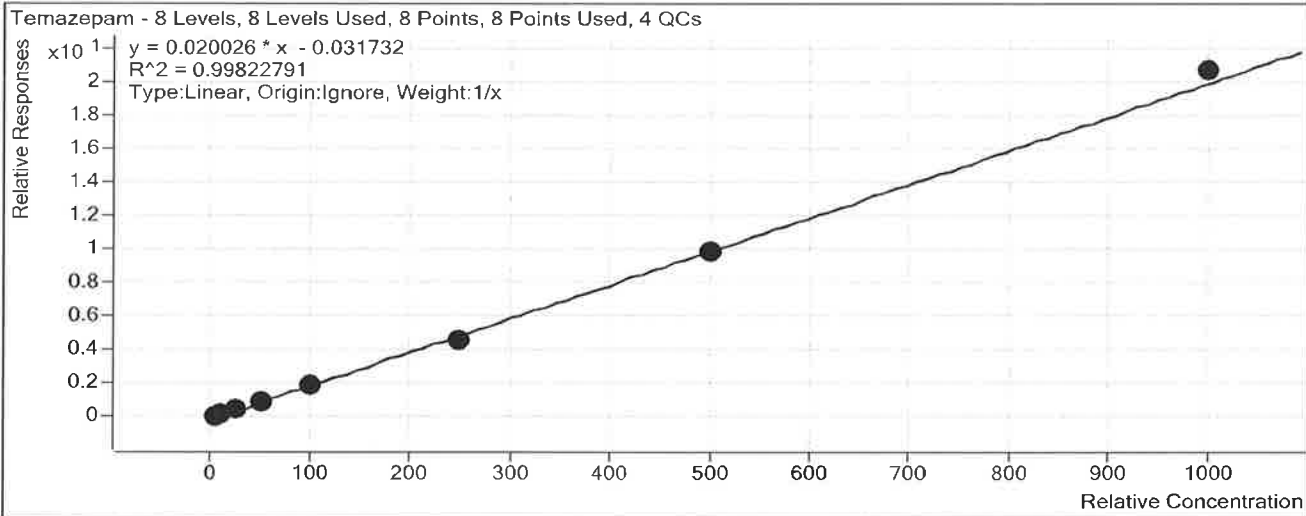
ISP TOX

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	114.4
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.3	103.3
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.2	102.4
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.7	98.8
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.3	92.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	96.9	96.9
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	93.0	93.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	229.4	91.8
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	232.0	92.8
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	496.2	99.2
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1030.5	103.0
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	996.6	99.7

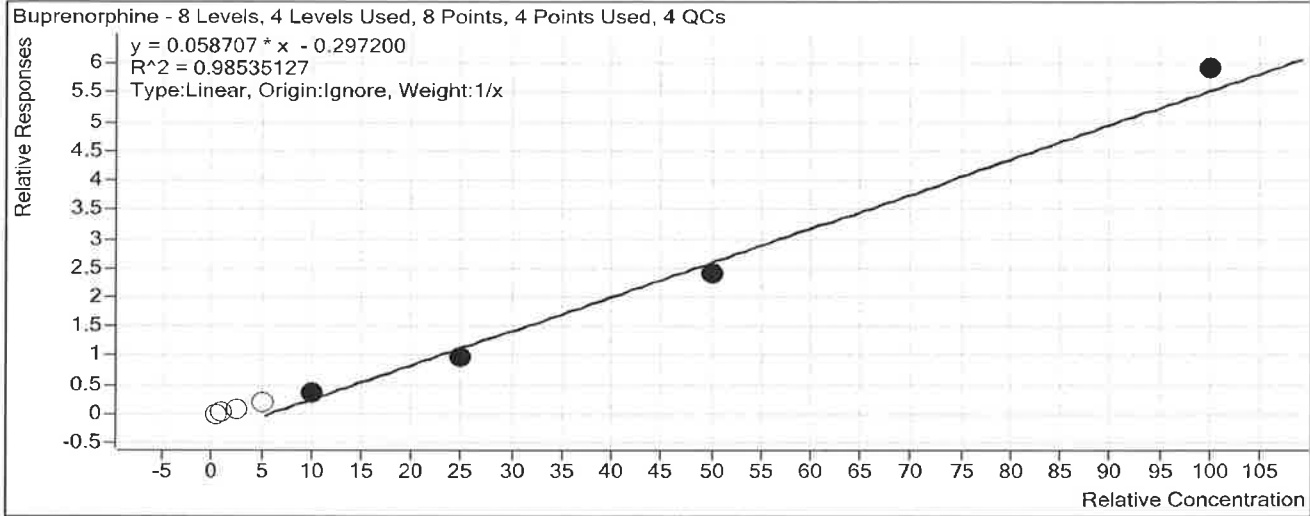
ISP FORENSICS Calibration Curve Report

S

Batch Data Path C:\MassHunter\Data\2018\MD Quant\033118 MDQ Panel 1 SP worklist
2301\QuantResults\033118 MDQP1b SP worklist 2301.batch.bin

Last Calib Update 4/9/2018 10:20 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	5.3	1051.9
b cal 2-10ng	2	<input type="checkbox"/>	1	5.7	566.5
b QC 10 (QC1)	2	<input type="checkbox"/>	1	5.7	566.1
b cal 3-25ng	3	<input type="checkbox"/>	2.5	6.5	260.0
b cal 4-50ng	4	<input type="checkbox"/>	5	8.4	168.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	11.6	115.9
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	10	11.7	117.1
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	21.5	86.0
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	25	21.8	87.1
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	46.2	92.5
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	105.7	105.7
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	100	99.7	99.7

Did not evaluate Buprenorphine S

ISP FORENSICS Calibration Curve Report

P

Batch Data Path

C:\MassHunter\Data\2018\MD Quant\033118 MDQ Panel 1 SP worklist
2301\QuantResults\033118 MDQP1b SP worklist 2301.batch.bin

Last Calib Update

4/9/2018 10:20 AM

Analyst Name

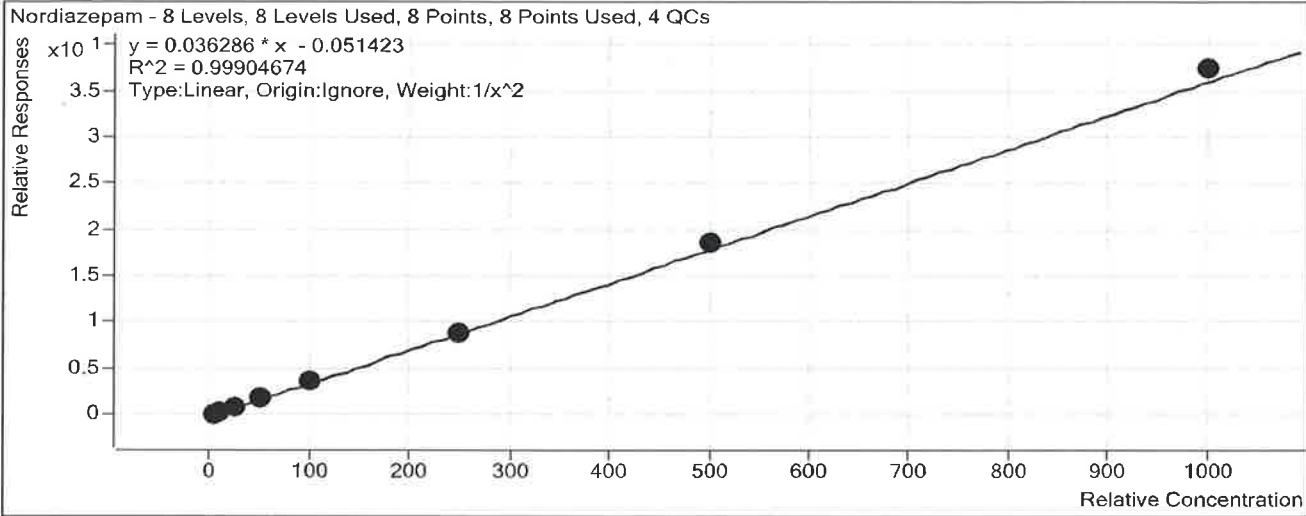
ISP TOX

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	99.4
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.3	102.8
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	10.2	102.1
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.4	97.5
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.8	97.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.0	100.0
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	97.1	97.1
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	241.7	96.7
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	227.5	91.0
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	514.5	102.9
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1032.2	103.2
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1013.6	101.4

ISP FORENSICS Calibration Curve Report

D

Batch Data Path

C:\MassHunter\Data\2018\MD Quant\033118 MDQ Panel 1 SP worklist
2301\QuantResults\033118 MDQP1b SP worklist 2301.batch.bin

Last Calib Update

4/9/2018 10:20 AM

Analyst Name

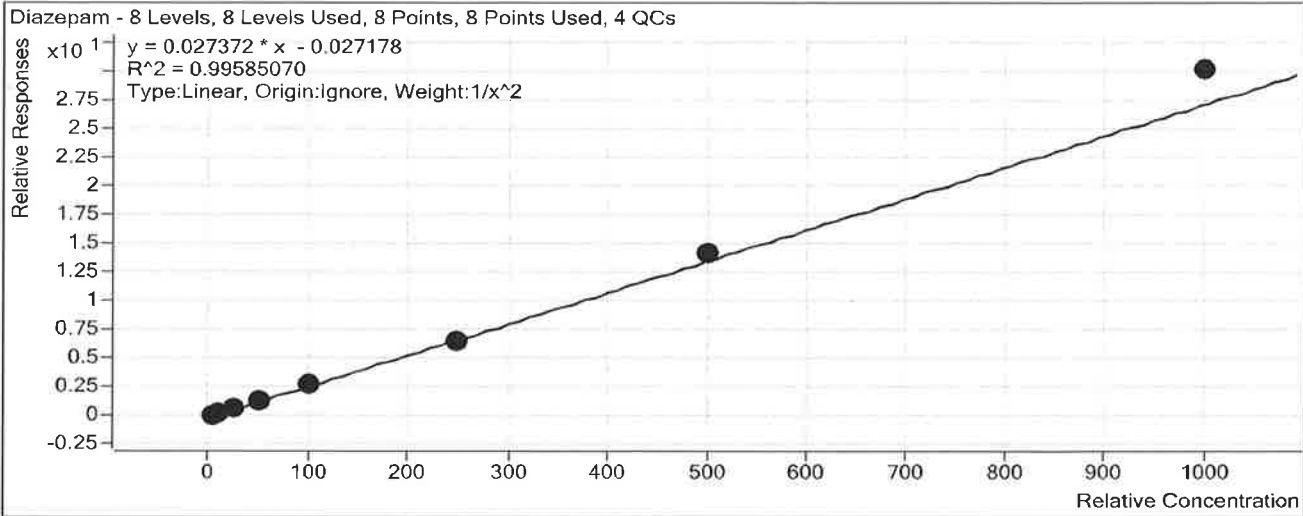
ISP TOX

Target Compound

Diazepam

Internal Standard

Diazepam-D5



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b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	101.5
b QC 10 (QC1)	2	<input checked="" type="checkbox"/>	10	9.4	94.4
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.6	94.4
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.1	94.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.1	101.1
b QC 100 (QC2)	5	<input checked="" type="checkbox"/>	100	96.0	96.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	235.9	94.4
b QC 250 (QC 3)	6	<input checked="" type="checkbox"/>	250	236.5	94.6
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	516.3	103.3
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1103.5	110.3
b QC 1000 (QC4)	8	<input checked="" type="checkbox"/>	1000	1015.8	101.6

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

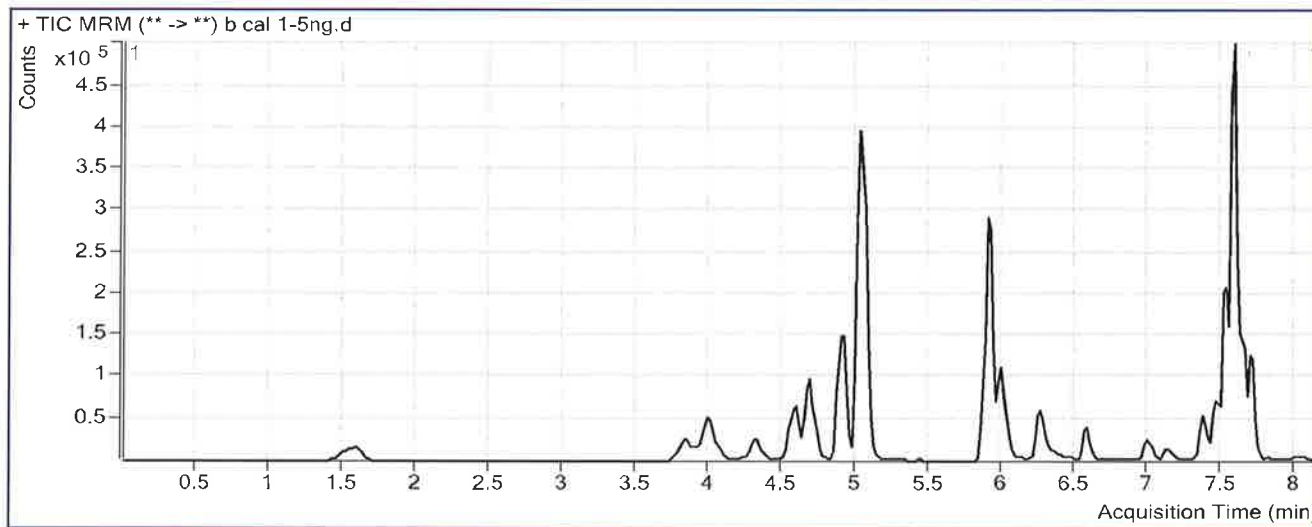
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Report Time 4/10/2018 8:21 AM **Reporter Name** ISPUser
Last Calib Update 4/9/2018 10:20 AM **Batch State** Processed

Analysis Info

Acq Time 2018-03-31 14:15 **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 worklist 2301

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.588	17351	134123	0.1294	5.2868
Dihydrocodeine	Dihydrocodeine-D6	3.895	11475	137080	0.0837	4.9702
Naloxone	Naloxone-D5	4.050	21622	319263	0.0677	5.0653
Noroxycodone	Noroxycodone-D3	4.359	18248	128431	0.1421	5.8264
Naltrexone	Naltrexone-D3	4.591	24822	248732	0.0998	5.0475
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.744	5050	411497	0.0123	0.5057
Naltrexol	Naltrexol-D3	4.910	58392	537422	0.1087	4.9614
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.036	138490	1410260	0.0982	5.1865
Ketamine	Ketamine-D4	5.901	54072	548468	0.0986	4.9757
Norfentanyl	Norfentanyl-D5	5.944	4566	615298	0.0074	0.7230
alpha-PVP	alpha-PVP-d8	6.268	24749	290004	0.0853	5.0542
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.601	986	152374	0.0065	0.7842
Fentanyl	Fentanyl-D5	7.019	635	79355	0.0080	0.5410
EDDP	EDDP-D3	7.150	4333	47049	0.0921	7.0550
Quetiapine	Quetiapine-D8	7.360	41131	77981	0.5274	5.2282
Cyclobenzaprine	Cyclobenzaprine-D3	7.433	4507	36208	0.1245	5.7602
Methadone	Methadone-D9	7.463	17286	170900	0.1011	4.9963
Fluoxetine	Fluoxetine-D6	7.504	13440	152319	0.0882	5.6207
Oxazepam	Oxazepam-D5	7.529	31567	442231	0.0714	5.4497

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report *b cal 1*

S

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.565	5166	60229	0.0858	5.0597
Temazepam	Temazepam-D5	7.587	103780	1252956	0.0828	5.7206
Buprenorphine	Buprenorphine-D4	7.597	498	43035	0.0116	5.2596
Nordiazepam	Nordiazepam-D5	7.655	40541	314561	0.1289	4.9690
Diazepam	Diazepam-D5	7.712	29426	265162	0.1110	5.0472

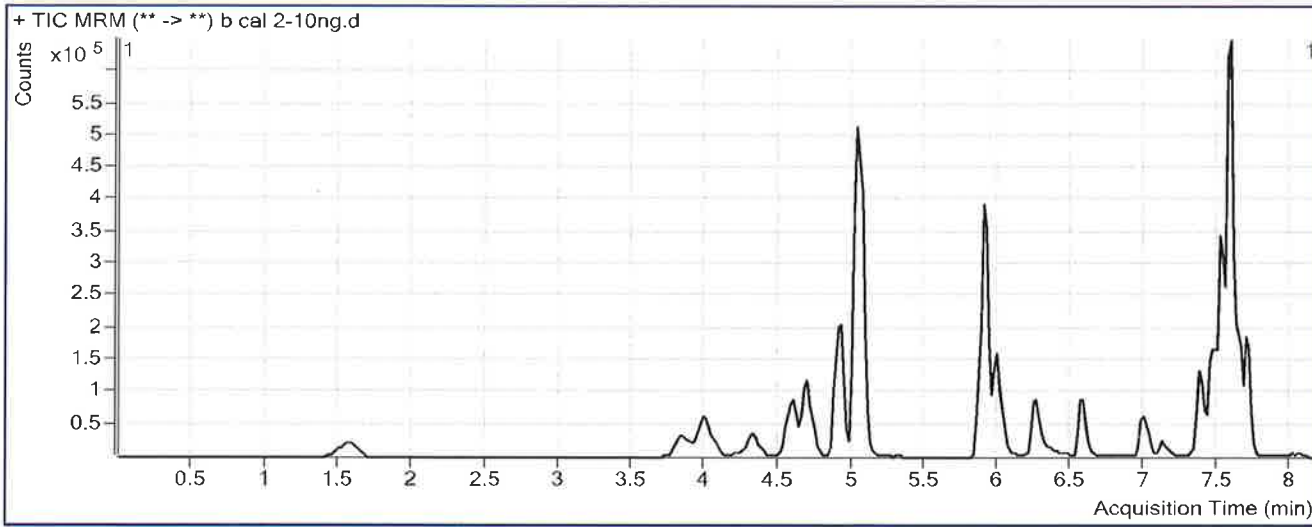
ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

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Report Time 4/10/2018 8:21 AM **Reporter Name** ISPUser
Last Calib Update 4/9/2018 10:20 AM **Batch State** Processed

Analysis Info

Acq Time 2018-03-31 14:47 **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 worklist 2301

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.588	43103	155589	0.2770	9.9656
Dihydrocodeine	Dihydrocodeine-D6	3.895	29725	165376	0.1797	9.9176
Naloxone	Naloxone-D5	4.050	60657	380179	0.1595	9.9006
Noroxycodone	Noroxycodone-D3	4.359	46459	156916	0.2961	10.1212
Naltrexone	Naltrexone-D3	4.611	62774	297703	0.2109	9.9071
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.744	13653	504103	0.0271	0.9999
Naltrexol	Naltrexol-D3	4.910	152143	645196	0.2358	9.9888
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.036	361219	1701759	0.2123	10.1270
Ketamine	Ketamine-D4	5.901	145114	662617	0.2190	10.0838
Norfentanyl	Norfentanyl-D5	5.924	13803	789331	0.0175	1.1808
alpha-PVP	alpha-PVP-d8	6.268	65822	362199	0.1817	9.7384
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.579	4653	358469	0.0130	1.1931
Norbuprenorphine	Norbuprenorphine-D3	6.914	229	9010	0.0254	2.6976
Fentanyl	Fentanyl-D5	7.019	3241	228041	0.0142	0.8865
EDDP	EDDP-D3	7.130	11133	66648	0.1670	10.4051
Quetiapine	Quetiapine-D8	7.360	130959	131619	0.9950	9.1037
Sufentanil	Sufentanil-D5	7.399	2628	138579	0.0190	1.0286
Cyclobenzaprine	Cyclobenzaprine-D3	7.433	26578	98215	0.2706	10.5177
Methadone	Methadone-D9	7.463	87049	372985	0.2334	10.0205

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

b cal 2 D

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.504	91430	421885	0.2167	11.0564
Oxazepam	Oxazepam-D5	7.529	65077	427169	0.1523	10.0557
Sertraline	Sertraline-D3	7.565	34780	181727	0.1914	9.8226
Temazepam	Temazepam-D5	7.587	241300	1377962	0.1751	10.3290
Buprenorphine	Buprenorphine-D4	7.597	3396	95974	0.0354	5.6651
Nordiazepam	Nordiazepam-D5	7.655	113262	352274	0.3215	10.2779
Diazepam	Diazepam-D5	7.712	75736	302232	0.2506	10.1478

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report *b cal 3*

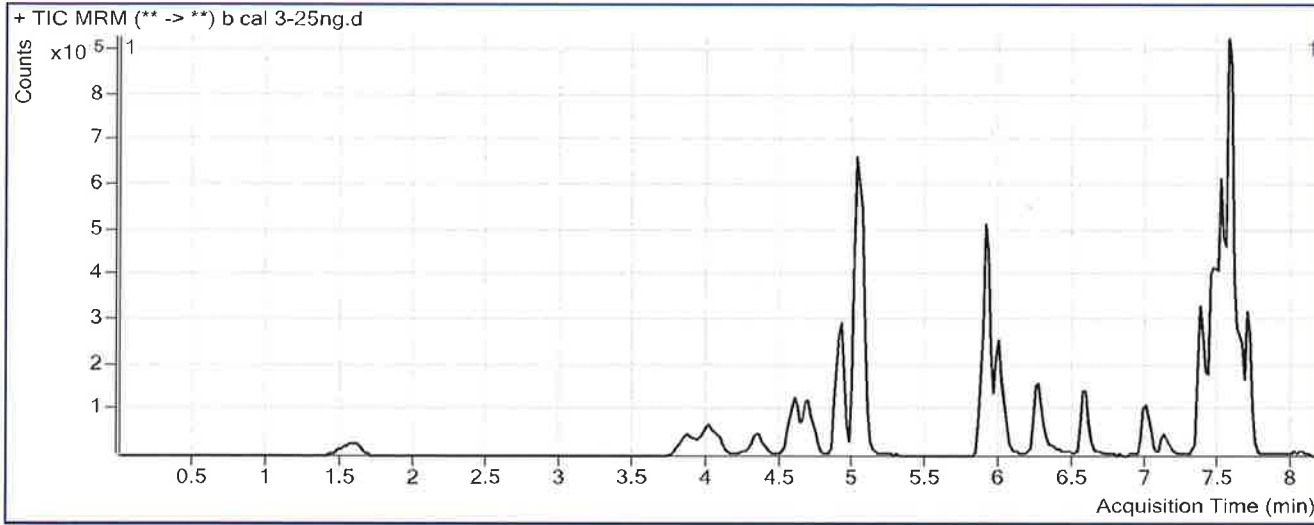
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Report Time 4/10/2018 8:21 AM **Reporter Name** ISPUser
Last Calib Update 4/9/2018 10:20 AM **Batch State** Processed

Analysis Info

Acq Time 2018-03-31 15:18 **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 worklist 2301

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.588	102907	142275	0.7233	24.1063
Dihydrocodeine	Dihydrocodeine-D6	3.895	76260	160655	0.4747	25.1121
Naloxone	Naloxone-D5	4.070	159870	360349	0.4437	24.8615
Noroxycodone	Noroxycodone-D3	4.359	117615	152596	0.7708	23.3598
Naltrexone	Naltrexone-D3	4.611	163898	300550	0.5453	24.5408
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.744	36337	515174	0.0705	2.4493
Naltrexol	Naltrexol-D3	4.910	394734	639631	0.6171	25.0653
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.036	932110	1689718	0.5516	24.8267
Ketamine	Ketamine-D4	5.901	419463	726835	0.5771	25.2751
Norfentanyl	Norfentanyl-D5	5.944	39038	863540	0.0452	2.4418
alpha-PVP	alpha-PVP-d8	6.268	220524	439755	0.5015	25.2769
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.579	18681	552758	0.0338	2.5008
Norbuprenorphine	Norbuprenorphine-D3	6.914	1075	14117	0.0761	5.1030
Fentanyl	Fentanyl-D5	6.999	15036	386187	0.0389	2.2611
EDDP	EDDP-D3	7.130	45386	102789	0.4415	22.6754
Quetiapine	Quetiapine-D8	7.360	494316	173313	2.8522	24.4983
Sufentanil	Sufentanil-D5	7.379	11791	225048	0.0524	2.4965
Cyclobenzaprine	Cyclobenzaprine-D3	7.433	120585	180063	0.6697	23.5100
Methadone	Methadone-D9	7.463	407312	632188	0.6443	25.6327

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Multi-Drug Confirmatory Analysis Report

6 cal 3 P

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.504	361447	716677	0.5043	23.2250
Oxazepam	Oxazepam-D5	7.529	149511	377162	0.3964	23.9404
Sertraline	Sertraline-D3	7.565	159762	300165	0.5322	25.1940
Temazepam	Temazepam-D5	7.587	600645	1297176	0.4630	24.7067
Buprenorphine	Buprenorphine-D4	7.597	14070	166820	0.0843	6.4991
Nordiazepam	Nordiazepam-D5	7.655	297767	357486	0.8329	24.3724
Diazepam	Diazepam-D5	7.692	209590	338721	0.6188	23.5989

ISP FORENSICS - Pocatello Instrument # 59740

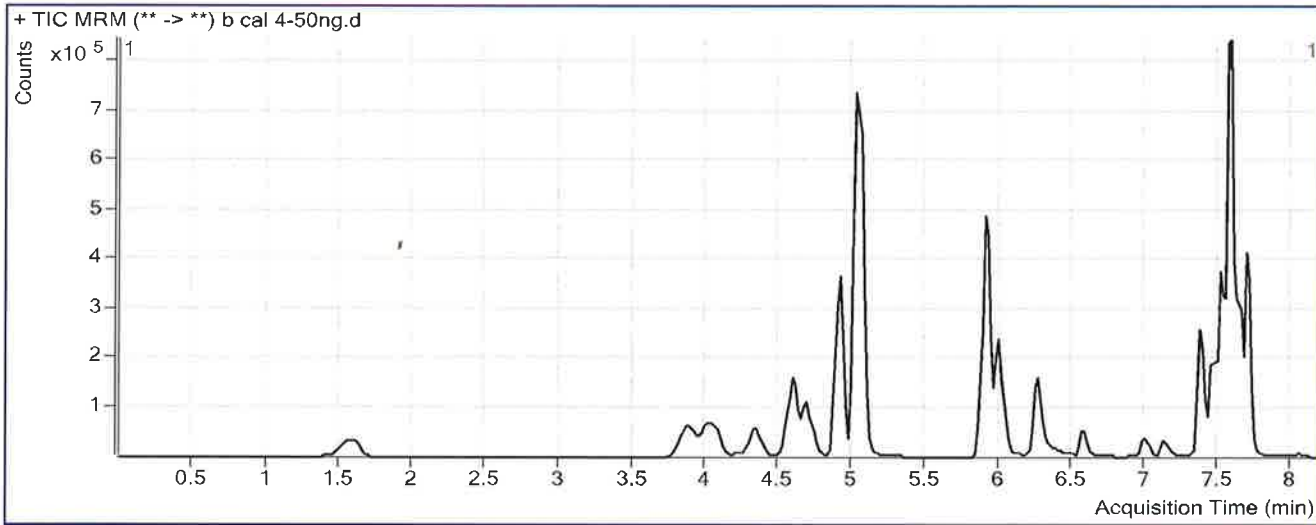
Multi-Drug Confirmatory Analysis Report

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Report Time 4/10/2018 8:21 AM **Reporter Name** ISPUser
Last Calib Update 4/9/2018 10:20 AM **Batch State** Processed

Analysis Info

Acq Time 2018-03-31 15:50 **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 worklist 2301

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.588	176905	124096	1.4256	46.3583
Dihydrocodeine	Dihydrocodeine-D6	3.877	124092	138020	0.8991	46.9765
Naloxone	Naloxone-D5	4.070	253284	296141	0.8553	46.5375
Noroxycodone	Noroxycodone-D3	4.359	185347	116836	1.5864	46.1071
Naltrexone	Naltrexone-D3	4.611	267284	247011	1.0821	48.0247
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.744	56248	423060	0.1330	4.5316
Naltrexol	Naltrexol-D3	4.910	639786	532653	1.2011	48.1554
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.036	1522987	1420696	1.0720	47.3659
Ketamine	Ketamine-D4	5.901	662743	589095	1.1250	48.5179
Norfentanyl	Norfentanyl-D5	5.944	59218	652110	0.0908	4.5161
alpha-PVP	alpha-PVP-d8	6.268	306917	304158	1.0091	49.9449
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.579	12545	188994	0.0664	4.5478
Norbuprenorphine	Norbuprenorphine-D3	6.914	475	5524	0.0860	5.5727
Fentanyl	Fentanyl-D5	6.999	9341	111119	0.0841	4.7703
EDDP	EDDP-D3	7.130	47750	47705	1.0009	47.6811
Quetiapine	Quetiapine-D8	7.360	502454	86728	5.7934	48.8794
Sufentanil	Sufentanil-D5	7.379	6044	66524	0.0909	4.1857
Cyclobenzaprine	Cyclobenzaprine-D3	7.433	71037	51873	1.3694	46.2916
Methadone	Methadone-D9	7.463	249312	207628	1.2008	46.7756

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Multi-Drug Confirmatory Analysis Report b cal 4

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Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.504	213191	205813	1.0358	45.7119
Oxazepam	Oxazepam-D5	7.529	230172	286517	0.8033	47.0903
Sertraline	Sertraline-D3	7.565	92852	90394	1.0272	47.5142
Temazepam	Temazepam-D5	7.587	941441	1052435	0.8945	46.2537
Buprenorphine	Buprenorphine-D4	7.597	10783	54979	0.1961	8.4032
Nordiazepam	Nordiazepam-D5	7.655	470789	273985	1.7183	48.7720
Diazepam	Diazepam-D5	7.692	345940	274406	1.2607	47.0507

ISP FORENSICS - Pocatello Instrument # 59740

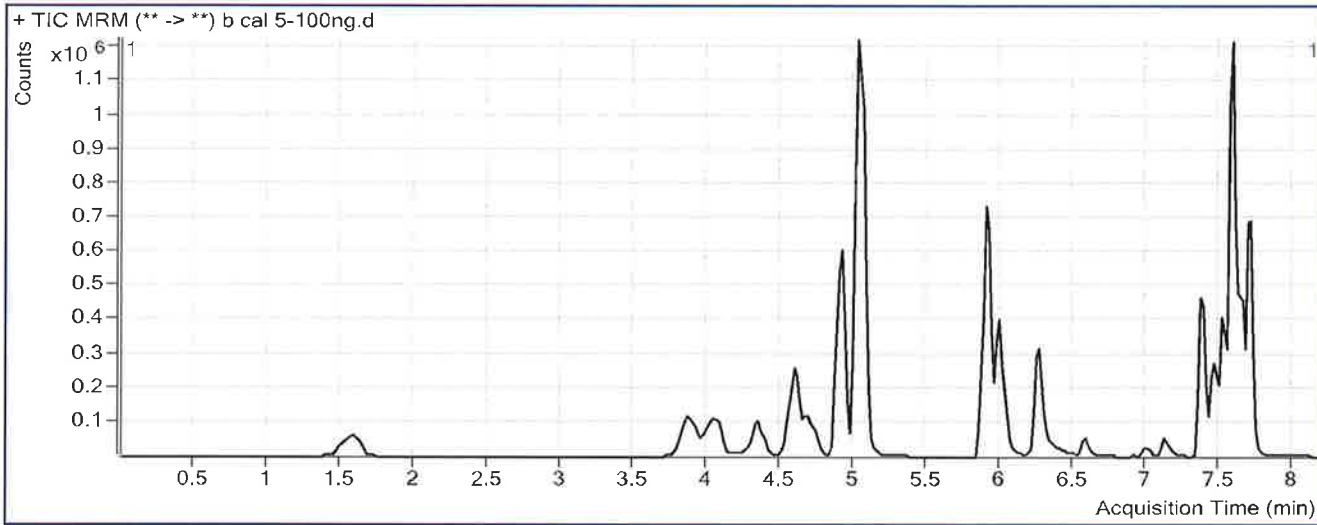
Multi-Drug Confirmatory Analysis Report

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Report Time 4/10/2018 8:21 AM **Reporter Name** ISPUser
Last Calib Update 4/9/2018 10:20 AM **Batch State** Processed

Analysis Info

Acq Time 2018-03-31 16:21 **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 worklist 2301

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.588	378996	118561	3.1966	102.4776
Dihydrocodeine	Dihydrocodeine-D6	3.877	274236	139623	1.9641	101.8448
Naloxone	Naloxone-D5	4.070	527268	276339	1.9080	101.9754
Noroxycodone	Noroxycodone-D3	4.359	389375	112089	3.4738	98.7459
Naltrexone	Naltrexone-D3	4.591	533330	227122	2.3482	103.4214
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.744	123068	427082	0.2882	9.7090
Naltrexol	Naltrexol-D3	4.910	1370543	525663	2.6073	103.7506
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.036	3310433	1437906	2.3023	100.6537
Ketamine	Ketamine-D4	5.901	1472171	600979	2.4496	104.7090
Norfentanyl	Norfentanyl-D5	5.944	139355	670828	0.2077	9.8348
alpha-PVP	alpha-PVP-d8	6.268	693470	335427	2.0674	101.3775
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.579	22383	152046	0.1472	9.6269
Norbuprenorphine	Norbuprenorphine-D3	6.894	741	5030	0.1474	8.4848
Fentanyl	Fentanyl-D5	7.019	13086	77308	0.1693	9.5086
EDDP	EDDP-D3	7.130	101945	43915	2.3214	106.7055
Quetiapine	Quetiapine-D8	7.360	1043443	78692	13.2598	110.7701
Sufentanil	Sufentanil-D5	7.379	9509	40825	0.2329	10.4244
Cyclobenzaprine	Cyclobenzaprine-D3	7.433	103822	35596	2.9167	96.6626
Methadone	Methadone-D9	7.463	428763	159968	2.6803	102.9895

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report *b cal 5*

P

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.504	290025	127592	2.2731	98.0561
Oxazepam	Oxazepam-D5	7.529	351706	193467	1.8179	104.8082
Sertraline	Sertraline-D3	7.565	117291	51999	2.2556	102.9119
Temazepam	Temazepam-D5	7.587	1800829	943399	1.9089	96.9053
Buprenorphine	Buprenorphine-D4	7.597	15744	41104	0.3830	11.5869
Nordiazepam	Nordiazepam-D5	7.655	880072	246029	3.5771	99.9990
Diazepam	Diazepam-D5	7.712	726581	265156	2.7402	101.1027

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

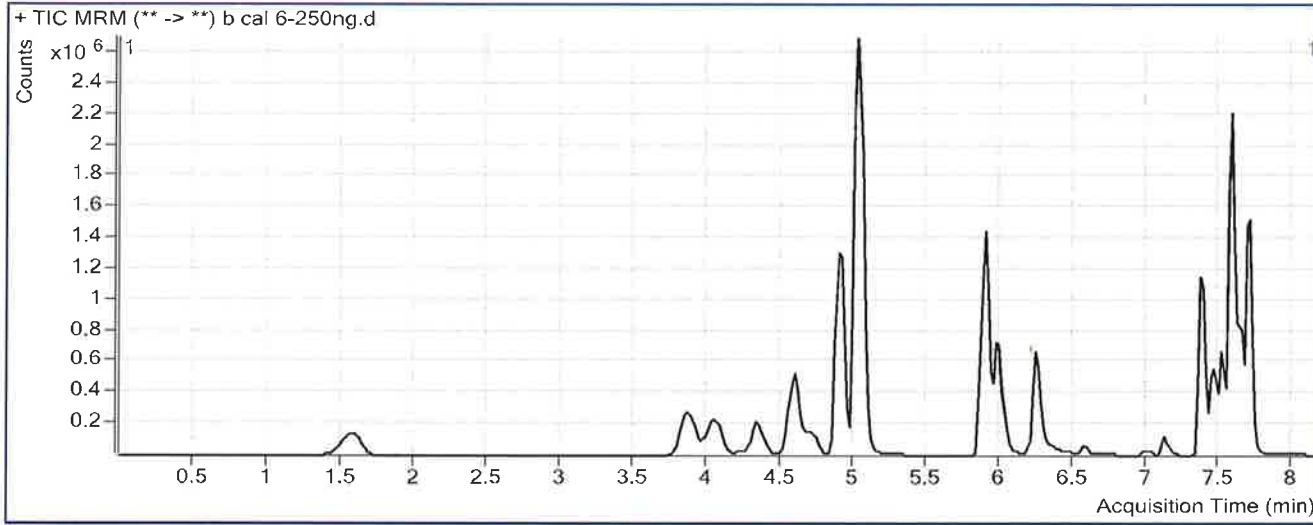
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Report Time 4/10/2018 8:22 AM **Reporter Name** ISPUser
Last Calib Update 4/9/2018 10:20 AM **Batch State** Processed

Analysis Info

Acq Time 2018-03-31 16:53 **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 worklist 2301

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.588	982678	124581	7.8879	251.1272
Dihydrocodeine	Dihydrocodeine-D6	3.877	729342	146051	4.9938	257.9251
Naloxone	Naloxone-D5	4.050	1135874	265959	4.2709	226.3996
Noroxycodone	Noroxycodone-D3	4.339	906725	107220	8.4567	237.7166
Naltrexone	Naltrexone-D3	4.591	1265918	210057	6.0265	264.3579
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.744	309473	415696	0.7445	24.9311
Naltrexol	Naltrexol-D3	4.910	3514457	559474	6.2817	249.0300
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.036	8799869	1544178	5.6987	247.7699
Ketamine	Ketamine-D4	5.901	3598898	653090	5.5106	234.5574
Norfentanyl	Norfentanyl-D5	5.924	319286	631809	0.5054	23.3724
alpha-PVP	alpha-PVP-d8	6.247	1585010	320554	4.9446	241.1994
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.579	48161	137380	0.3506	22.4032
Norbuprenorphine	Norbuprenorphine-D3	6.894	1594	3423	0.4657	23.5913
Fentanyl	Fentanyl-D5	6.999	30018	71468	0.4200	23.4519
EDDP	EDDP-D3	7.130	230362	44369	5.1920	235.0213
Quetiapine	Quetiapine-D8	7.360	2706433	88522	30.5736	254.2893
Sufentanil	Sufentanil-D5	7.379	22397	41810	0.5357	23.7202
Cyclobenzaprine	Cyclobenzaprine-D3	7.433	255305	35054	7.2832	238.8188
Methadone	Methadone-D9	7.463	1029462	162304	6.3428	242.1436

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

b cal 6

P

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.504	689014	120504	5.7178	243.7948
Oxazepam	Oxazepam-D5	7.529	516371	126812	4.0719	233.0375
Sertraline	Sertraline-D3	7.565	264744	53163	4.9799	225.7633
Temazepam	Temazepam-D5	7.587	3830047	839385	4.5629	229.4366
Buprenorphine	Buprenorphine-D4	7.597	35157	36439	0.9648	21.4969
Nordiazepam	Nordiazepam-D5	7.655	1685843	193360	8.7187	241.6961
Diazepam	Diazepam-D5	7.712	1761445	273893	6.4311	235.9473

ISP FORENSICS - Pocatello Instrument # 59740

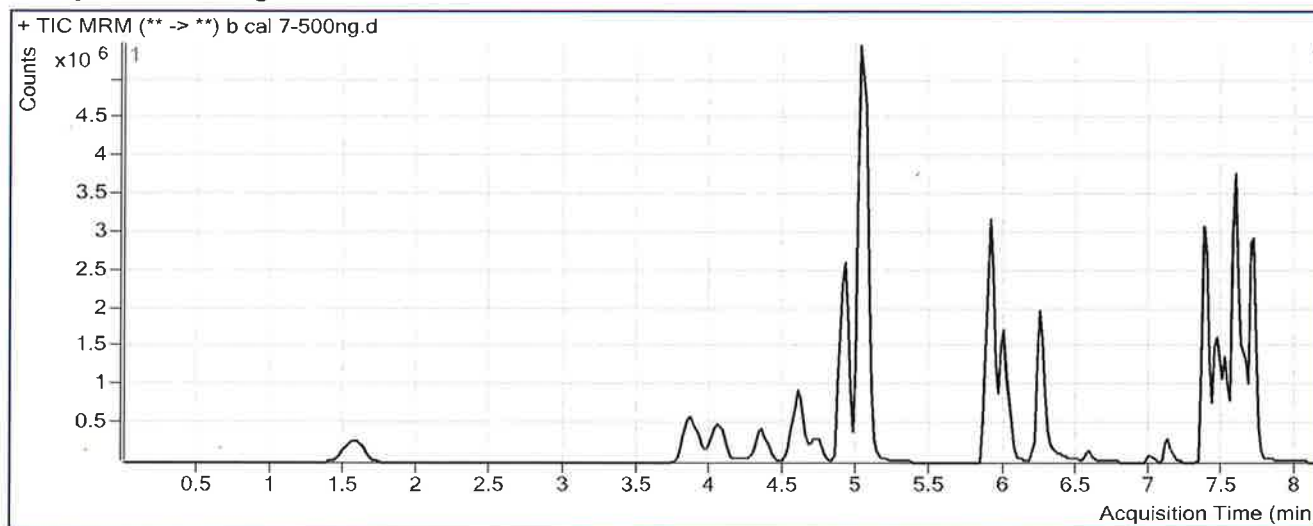
Multi-Drug Confirmatory Analysis Report

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Analysis Time 4/9/2018 10:20 AM **Analyst Name** ISPUser
Report Time 4/10/2018 8:22 AM **Reporter Name** ISPUser
Last Calib Update 4/9/2018 10:20 AM **Batch State** Processed

Analysis Info

Acq Time 2018-03-31 17:24 **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 worklist 2301

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.588	2186741	132357	16.5215	524.6961
Dihydrocodeine	Dihydrocodeine-D6	3.877	1693497	165824	10.2126	526.7886
Naloxone	Naloxone-D5	4.050	2634070	271909	9.6873	511.6260
Noroxycodone	Noroxycodone-D3	4.359	1998450	109769	18.2060	509.6181
Naltrexone	Naltrexone-D3	4.591	2426082	209268	11.5932	507.9122
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.744	786106	492203	1.5971	53.3745
Naltrexol	Naltrexol-D3	4.910	7588712	588566	12.8936	510.4464
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.036	19859768	1696716	11.7048	507.9192
Ketamine	Ketamine-D4	5.901	9335461	768306	12.1507	516.2390
Norfentanyl	Norfentanyl-D5	5.944	772836	709547	1.0892	49.9298
alpha-PVP	alpha-PVP-d8	6.247	4618775	448481	10.2987	501.3927
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.579	169240	211743	0.7993	50.5951
Norbuprenorphine	Norbuprenorphine-D3	6.914	5304	4536	1.1693	56.9819
Fentanyl	Fentanyl-D5	6.999	108993	107124	1.0174	56.6724
EDDP	EDDP-D3	7.130	699972	58642	11.9364	536.5020
Quetiapine	Quetiapine-D8	7.360	6587241	111657	58.9956	489.8869
Sufentanil	Sufentanil-D5	7.379	83216	67344	1.2357	54.4608
Cyclobenzaprine	Cyclobenzaprine-D3	7.433	838347	55939	14.9868	489.6169
Methadone	Methadone-D9	7.463	3142192	237166	13.2489	504.5368

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Multi-Drug Confirmatory Analysis Report *b cal 7*

B

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.504	1653303	153120	10.7975	458.7050
Oxazepam	Oxazepam-D5	7.529	827141	92658	8.9268	509.2250
Sertraline	Sertraline-D3	7.565	778485	67086	11.6042	524.4945
Temazepam	Temazepam-D5	7.587	7006428	707370	9.9049	496.1916
Buprenorphine	Buprenorphine-D4	7.597	105857	43803	2.4166	46.2270
Nordiazepam	Nordiazepam-D5	7.655	2893087	155382	18.6192	514.5445
Diazepam	Diazepam-D5	7.712	3666003	259927	14.1039	516.2637

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

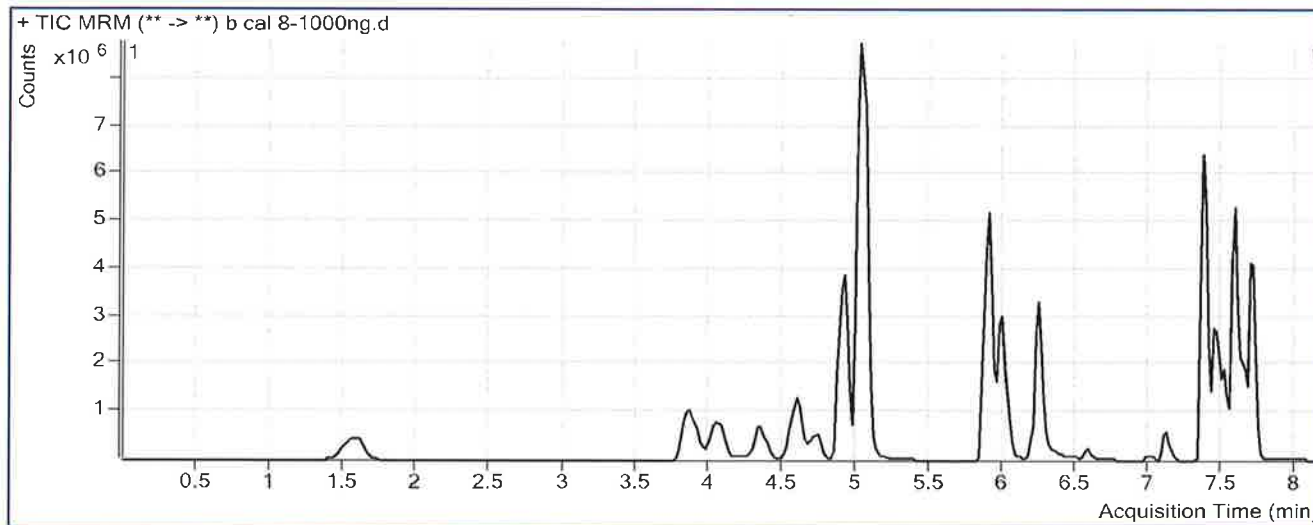
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Batch Data Path C:\MassHunter\Data\2018\MD Quant\033118 MDQ Panel 1 SP worklist 2301\QuantResults\033118 MDQP1b SI
Analysis Time 4/9/2018 10:20 AM **Analyst Name** ISPUser
Report Time 4/10/2018 8:22 AM **Reporter Name** ISPUser
Last Calib Update 4/9/2018 10:20 AM **Batch State** Processed

Analysis Info

Acq Time 2018-03-31 17:56 **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 worklist 2301

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.588	3688328	119892	30.7637	975.9821
Dihydrocodeine	Dihydrocodeine-D6	3.877	2860843	152602	18.7471	966.4651
Naloxone	Naloxone-D5	4.050	4278297	200872	21.2986	1123.0677
Noroxycodone	Noroxycodone-D3	4.359	3285550	91028	36.0940	1008.5049
Naltrexone	Naltrexone-D3	4.591	3513754	161910	21.7019	950.1948
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.744	1509436	447363	3.3741	112.6519
Naltrexol	Naltrexol-D3	4.910	12143036	485970	24.9872	988.6021
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.036	35149443	1529788	22.9767	996.1510
Ketamine	Ketamine-D4	5.901	16529115	703626	23.4913	997.3197
Norfentanyl	Norfentanyl-D5	5.944	1393076	622228	2.2389	102.2243
alpha-PVP	alpha-PVP-d8	6.247	7977927	378958	21.0523	1023.9848
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.579	352314	216474	1.6275	102.6331
Norbuprenorphine	Norbuprenorphine-D3	6.894	8783	4440	1.9782	95.3693
Fentanyl	Fentanyl-D5	6.999	178348	86266	2.0674	115.0574
EDDP	EDDP-D3	7.130	1397116	61482	22.7239	1018.7048
Quetiapine	Quetiapine-D8	7.360	14949817	126326	118.3436	981.8390
Sufentanil	Sufentanil-D5	7.379	122087	50905	2.3983	105.5192
Cyclobenzaprine	Cyclobenzaprine-D3	7.433	1327265	42070	31.5492	1028.8222
Methadone	Methadone-D9	7.463	5462946	201676	27.0877	1030.3329

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Multi-Drug Confirmatory Analysis Report *bcal 8*

D

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Fluoxetine	Fluoxetine-D6	7.504	2310111	92910	24.8640	1053.8301
Oxazepam	Oxazepam-D5	7.529	1239841	70182	17.6661	1006.3934
Sertraline	Sertraline-D3	7.565	1005769	42572	23.6250	1066.5816
Temazepam	Temazepam-D5	7.587	10259073	497917	20.6040	1030.4565
Buprenorphine	Buprenorphine-D4	7.597	174901	29607	5.9075	105.6892
Nordiazepam	Nordiazepam-D5	7.655	3956639	105783	37.4032	1032.2149
Diazepam	Diazepam-D5	7.712	5553448	184032	30.1766	1103.4577