

Worklist: 2862

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>	
M2018-5597	1	135603	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-6077	3	135604	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-6100	3	135605	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-6182	2	135606	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-6203	2	135607	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-6243	2	135608	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-3281	2	135609	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-3284	1	135610	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-3295	1	135611	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-3296	1	135612	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-3341	1	135613	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-3490	1	135614	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-3492	1	135615	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-3498	1	135616	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-3531	3	135617	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-3566	1	135618	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-3570	1	135619	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	

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

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Extraction Date: 01/02/18
Plate lot#: 0530563

Analyst: Tamara Salazar
Plate Expiration: 05/21/2019

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

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

Blank Blood Lot: 445283-1
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: *C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wklst 2862 2863 TS*
Batch Name: *P1a MDQ TS*
P1b MDQ TS
- 2. Make necessary changes to integration limits
- 3. Integration linear and R² values ≥0.98 for each analyte.
- 4. For unknown samples and controls: response ratio within 20% of average of controls and standards, RT within +/- 5% (tramadol RT +/-2%), S/N for primary transition >10 and secondary transitions >5.
- 5. Did all QCs pass for each analyte? Y / N _____ Add Control data to QC tracking spreadsheet.
- 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports.

COMMENTS:

Curves limited: 6-MAM 1-100

Amphetamine 10-500

Lorazepam 5-500

Metoprolol 5-500

Norhydrocodone 10-1000

Phentermine 10-1000

Tramadol 5-500

Venlafaxine 5-500

Benzoylcegonine 5-500

Buprenorphine 2.5-100

Fentanyl 1-100

Fluoxetine 25-1000

Mirtazapine 25-1000

Norbuprenorphine 2.5-100

Norfentanyl 2.5-100

Noroxycodone 5-500

Not evaluated:

Due to possible interfering peaks in the internal standards dihydrocodeine are not evaluated for this batch.

Sertraline not evaluated due to variable internal standard responses.



Idaho State Police Forensic Services

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

Analyst: Tamara Salazar
Extraction Date: 01/02/18
Worklist Number: 2862

Reagent	Lot Number	Expiration Date	Date in Service	Date Out of Service	Initials
ToxBox Benzo/Opiate Quant Plate	0530563	05/21/19	06/05/18		
Negative Blood	445283-1		10/25/18		
Methanol External Control Solution	121218	12/12/19	12/12/18		
Blood External Control Solution	WS121218	12/12/19	12/12/18		
0.5M Ammonium Hydroxide	082818	02/28/19	08/28/18		
Formic Acid (LCMS Grade)	095180B		11/15/17		
Water (LCMS Grade)	183905		12/01/18	12/14/18	TS
Methanol (LCMS Grade)	184782		12/14/18		
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	082818		08/28/18		
5mM Ammonium Formate + 0.01% Formic Acid in Water (Mobile Phase A)	120618		12/06/18		
0.01% Formic Acid in Methanol (Mobile Phase B)	121418		12/14/18		
Needle Rinse--75% LCMS MeOH in LCMS Water	122618		12/26/18		

Methanol External Control Solution (Lot: 121218)
100 ul each 1 mg/mL stock solution in 9600 ul MeOH

Component	Source	Source Lot Number	Expiration Date
Methanol (LCMS)	Fisher	177145	
Fluoxetine	Cerilliant	FN06281603	07/31/2021
O-desmethyl Tramadol	Cerilliant	FN01241702	04/30/2022
Amphetamine	Cerilliant	FE04061701	06/30/2022
Alprazolam	Cerilliant	FE07061604	07/31/2021
Prepared:	12/12/18		
Prepared By:	Sarah Pickle		
Expires:	12/12/19		

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Blood External Control Solution (Lot: WS121218)

50 ul of methanol external control solution was added to 9950 ul of blood. (Approximately 50ng/mL of each compound)

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
Negative Blood	Hemostat	445283-1
Methanol External Control Solution		121218
Prepared:	12/12/18	
Prepared by:	Sarah Pickle	
Expires:	12/12/19	

0.5M Ammonium Hydroxide (Lot: 082818)

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
Ammonium Hydroxide (ACS grade or better)	Fisher	053200
DI Water	-	-
Prepared:	08/28/18	
Prepared By:	Tamara Salazar	
Expires:	02/28/19	

20% LCMS Methanol in LCMS Water (Lot: 082818)

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
MeOH (LCMS Grade)	Fisher	177145
Water (LCMS Grade)	Fisher	182702
Prepared:	08/28/18	
Prepared By:	Tamara Salazar	

5mM Ammonium Formate + 0.01% Formic Acid in Water (Lot: 120618)

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
Ammonium Formate	Arcos Organics	A0287238
LCMS Water	Fisher	183905
Formic Acid	Fisher	095180B
Prepared:	12/06/18	
Prepared By:	Sarah Pickle	

0.01% Formic Acid in LCMS Methanol (Mobile Phase B) (Lot: 121418)

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
Formic Acid	Fisher	095180B
MeOH (LCMS Grade)	Fisher	184782
Prepared:	12/14/18	
Prepared By:	Tamara Salazar	

Needle Rinse (75% LCMS MeOH in LCMS Water) (Lot: 122618)

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
MeOH (LCMS Grade)	Fisher	177145
Water (LCMS Grade)	Fisher	183905
Prepared:	12/26/18	
Prepared By:	Tamara Salazar	

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ISP FORENSICS - Pocatello Instrument # 59740

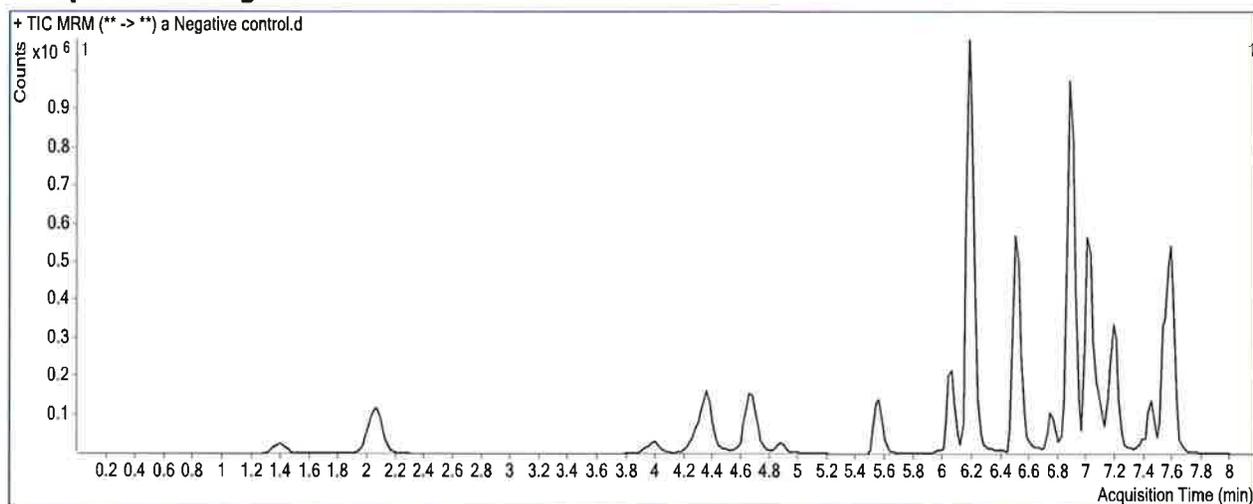
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wk1st 2862 2863 TS\QuantResults\P1a MDQ
Analysis Time 1/7/2019 11:30 AM **Analyst Name** ISPUser
Report Time 1/7/2019 11:39 AM **Reporter Name** ISPUser
Last Calib Update 1/7/2019 11:30 AM **Batch State** Processed

Analysis Info

Acq Time 2019-01-02 20:29 **Data File** a Negative control.d
Sample Type Sample **Sample Name** a Negative control.d
Dilution 1 **Acq Method** MD Quant Panel 1a 7-11-18.m
Position P1-E2 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



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ISP FORENSICS - Pocatello Instrument # 59740

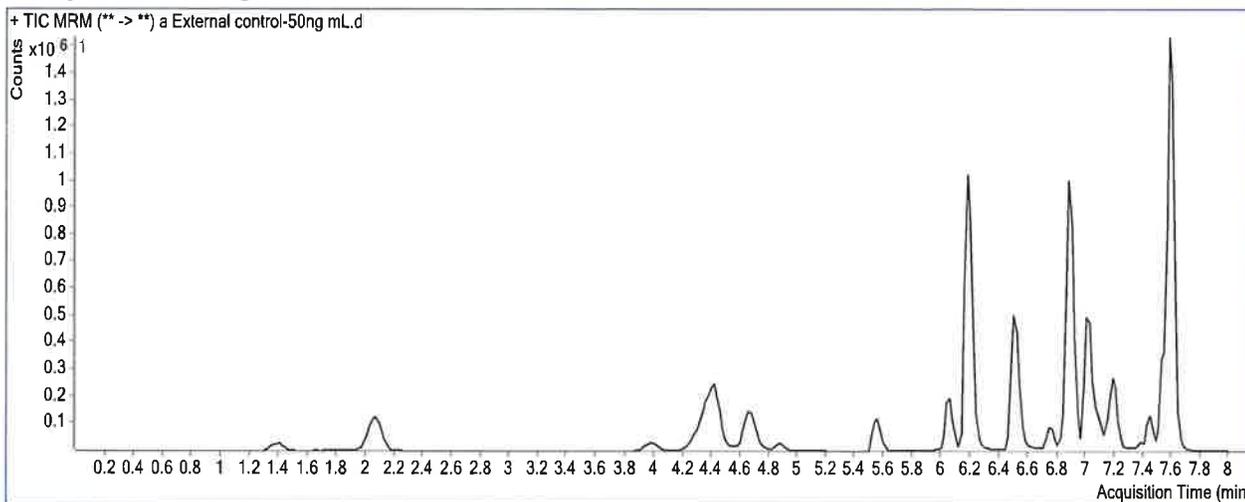
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wklst 2862 2863 TS\QuantResults\P1a MDQ TS.batch.bii
Analysis Time 1/7/2019 11:30 AM **Analyst Name** ISPUser
Report Time 1/7/2019 11:39 AM **Reporter Name** ISPUser
Last Calib Update 1/7/2019 11:30 AM **Batch State** Processed

Analysis Info

Acq Time 2019-01-02 21:01 **Data File** a External control-50ng mL.d
Sample Type Sample **Sample Name** a External control-50ng mL.d
Dilution 1 **Acq Method** MD Quant Panel 1a 7-11-18.m
Position P1-F2 **Sample Info**
Inj Vol -1 **Comment** AM 28; WS121218 50 ng Fluoxetine, O-desmethyl Tramadol, Amphetamir

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
<u>Amphetamine</u>	Amphetamine-D11	4.427	753979	228551	3.2990	<u>54.2916</u>
<u>Alprazolam</u>	Alprazolam-D5	7.592	2281179	1509583	1.5111	<u>47.1719</u>

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ISP FORENSICS - Pocatello Instrument # 59740

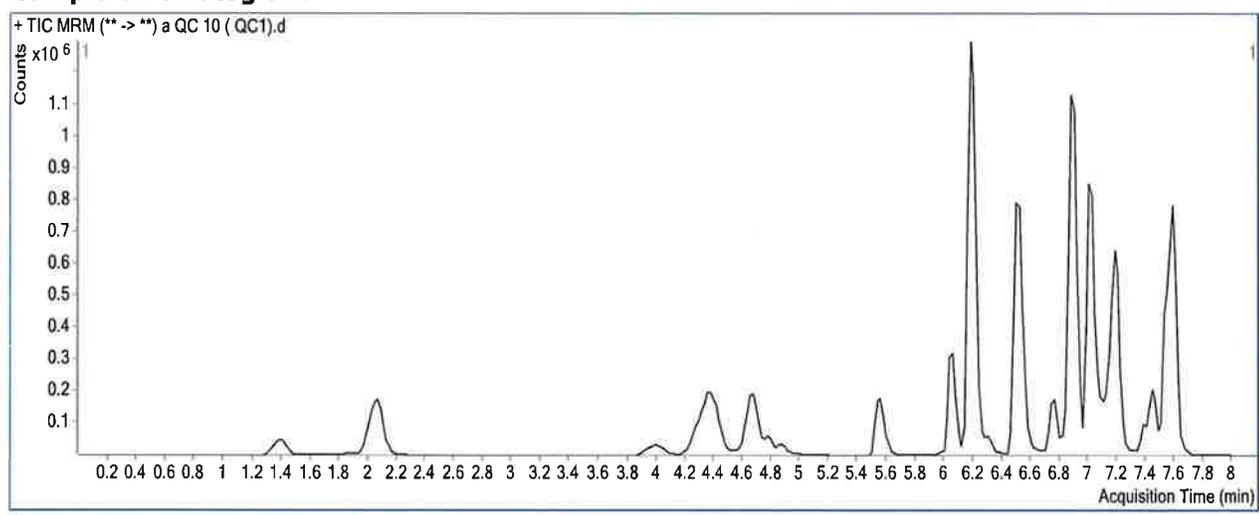
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wklt 2862 2863 TS\QuantResults\P1a MDQ TS.batch.bi
Analysis Time 1/7/2019 11:30 AM **Analyst Name** ISPUser
Report Time 1/7/2019 11:39 AM **Reporter Name** ISPUser
Last Calib Update 1/7/2019 11:30 AM **Batch State** Processed

Analysis Info

Acq Time 2019-01-02 22:04 **Data File** a QC 10 (QC1).d
Sample Type QC **Sample Name** a QC 10 (QC1).d
Dilution 1 **Acq Method** MD Quant Panel 1a 7-11-18.m
Position P1-A2 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.410	50731	113624	0.4465	9.5785
Hydromorphone	Hydromorphone-D6	2.071	173360	762047	0.2275	9.3088
Codeine	Codeine-D6	4.037	25520	117365	0.2174	10.1974
Oxycodone	Oxycodone-D6	4.393	227053	875997	0.2592	9.9469
Amphetamine	Amphetamine-D11	4.447	276224	389703	0.7088	8.7680
Hydrocodone	Hydrocodone-D6	4.678	81458	510021	0.1597	9.9153
Norhydrocodone	Norhydrocodone-D3	4.721	6257	135350	0.0462	13.4348
Methamphetamine	Methamphetamine-D11	4.784	168083	401597	0.4185	10.1275
6-MAM	6-MAM-D6	4.892	2964	101577	0.0292	1.2590
Phentermine	Phentermine-D5	5.610	81883	765968	0.1069	9.5304
Dextrophan	Dextrophan-D3	6.067	112799	935122	0.1206	10.1011
7-aminoclonazepam	7-Aminoclonazepam-D4	6.199	154539	634618	0.2435	9.4504
Tramadol	Tramadol-13C-D3	6.207	658782	34085	19.3276	8.8950
Metoprolol	Tramadol-13C-D3	6.305	62401	34085	1.8308	9.2952
Doxylamine	Doxylamine-D5	6.526	373754	2518978	0.1484	9.6307
Bupropion	Bupropion-D9	6.775	122783	440935	0.2785	9.2473
Meprobamate	Meprobamate-D7	6.897	77589	301451	0.2574	9.9937
Zolpidem	Zolpidem-D6	6.905	605398	3486612	0.1736	9.9627
Venlafaxine	Venlafaxine-D6	7.010	648895	2363625	0.2745	10.3437
Trazodone	Trazodone-D6	7.120	147433	485547	0.3036	10.7927

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ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report a QC 10 (QC1)

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.163	130509	624684	0.2089	10.0140
Dextromethorphan	Dextromethorphan-D3	7.174	39840	150083	0.2655	10.8808
Diphenhydramine	Diphenhydramine-D3	7.218	286418	1307012	0.2191	10.5768
Promethazine	Promethazine-D3	7.413	60936	217884	0.2797	10.2878
Clonazepam	Clonazepam-D4	7.469	226817	217480	1.0429	9.6449
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.525	43516	238366	0.1826	9.5039
Carisoprodol	Carisoprodol-D7	7.558	222701	883044	0.2522	10.8400
Alprazolam	Alprazolam-D5	7.592	442988	1515756	0.2923	10.1101
Lorazepam	Clonazepam-D4	7.587	111385	217480	0.5122	10.5393

TS

ISP FORENSICS - Pocatello Instrument # 59740

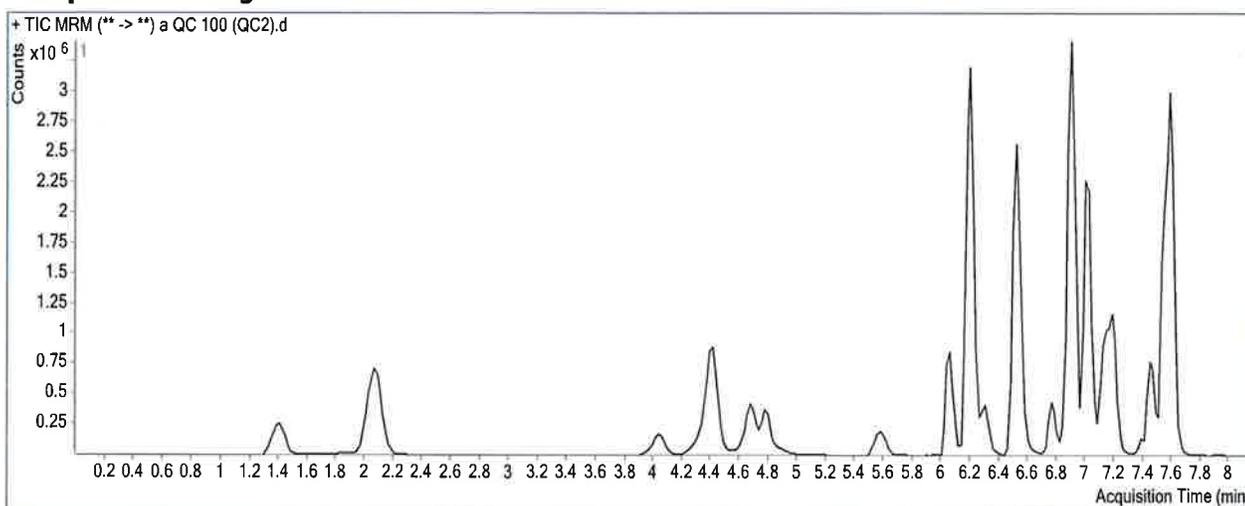
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wklst 2862 2863 TS\QuantResults\P1a MDQ TS.batch.bi		
Analysis Time	1/7/2019 11:30 AM	Analyst Name	ISPUser
Report Time	1/7/2019 11:39 AM	Reporter Name	ISPUser
Last Calib Update	1/7/2019 11:30 AM	Batch State	Processed

Analysis Info

Acq Time	2019-01-03 00:10	Data File	a QC 100 (QC2).d
Sample Type	QC	Sample Name	a QC 100 (QC2).d
Dilution	1	Acq Method	MD Quant Panel 1a 7-11-18.m
Position	P1-B2	Sample Info	
Inj Vol	-1	Comment	AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.410	564642	110434	5.1130	98.8154
Hydromorphone	Hydromorphone-D6	2.091	2044450	723708	2.8250	99.1895
Codeine	Codeine-D6	4.037	254122	110818	2.2931	100.6411
Oxycodone	Oxycodone-D6	4.393	2426786	806097	3.0105	100.9770
Amphetamine	Amphetamine-D11	4.427	1365898	215889	6.3269	107.5089
Hydrocodone	Hydrocodone-D6	4.678	860234	479691	1.7933	101.4210
Norhydrocodone	Norhydrocodone-D3	4.721	56462	109424	0.5160	87.0339
Methamphetamine	Methamphetamine-D11	4.784	1250306	291136	4.2946	97.9930
6-MAM	6-MAM-D6	4.892	25441	98566	0.2581	9.1825
Phentermine	Phentermine-D5	5.610	599115	516575	1.1598	106.1018
Dextrorphan	Dextrorphan-D3	6.067	951454	730122	1.3031	97.7279
7-aminoclonazepam	7-Aminoclonazepam-D4	6.199	1483242	563499	2.6322	107.1189
Tramadol	Tramadol-13C-D3	6.207	6339357	27924	227.0219	99.6973
Metoprolol	Tramadol-13C-D3	6.305	579587	27924	20.7559	99.5208
Doxylamine	Doxylamine-D5	6.526	3261639	2031254	1.6057	98.3292
Bupropion	Bupropion-D9	6.775	696579	215195	3.2370	92.2429
Meprobamate	Meprobamate-D7	6.897	779981	271418	2.8737	104.8157
Zolpidem	Zolpidem-D6	6.905	6560150	3399598	1.9297	101.6914
Venlafaxine	Venlafaxine-D6	7.010	5169161	1834089	2.8184	97.4293
Trazodone	Trazodone-D6	7.120	1267192	393356	3.2215	113.3811

ISP FORENSICS - Pocatello Instrument # 59740

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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.163	758378	336180	2.2559	91.6096
Dextromethorphan	Dextromethorphan-D3	7.174	193905	71697	2.7045	103.6179
Diphenhydramine	Diphenhydramine-D3	7.218	1487703	690946	2.1531	98.9690
Promethazine	Promethazine-D3	7.393	266013	91382	2.9110	92.4503
Clonazepam	Clonazepam-D4	7.449	2085439	171697	12.1460	102.5592
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.525	435706	211339	2.0616	95.5265
Carisoprodol	Carisoprodol-D7	7.558	2171839	795396	2.7305	104.4422
Alprazolam	Alprazolam-D5	7.592	4333000	1411041	3.0708	94.5953
Lorazepam	Clonazepam-D4	7.567	742758	171697	4.3260	96.2533

TS

ISP FORENSICS - Pocatello Instrument # 59740

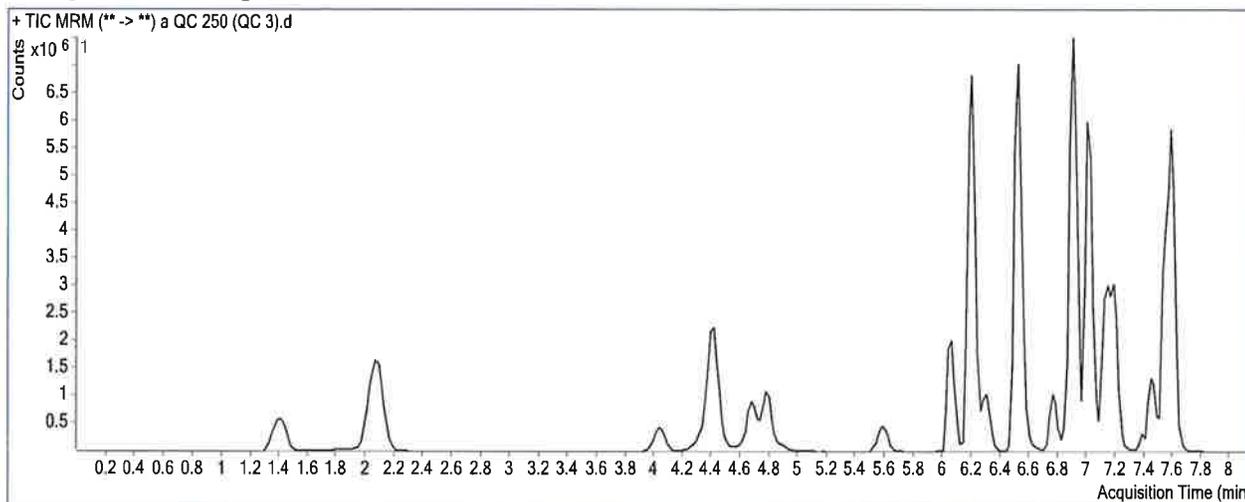
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wklt 2862 2863 TS\QuantResults\P1a MDQ TS.batch.bi
Analysis Time 1/7/2019 11:30 AM **Analyst Name** ISPUser
Report Time 1/7/2019 11:40 AM **Reporter Name** ISPUser
Last Calib Update 1/7/2019 11:30 AM **Batch State** Processed

Analysis Info

Acq Time 2019-01-03 02:31 **Data File** a QC 250 (QC 3).d
Sample Type QC **Sample Name** a QC 250 (QC 3).d
Dilution 1 **Acq Method** MD Quant Panel 1a 7-11-18.m
Position P1-C2 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.410	1474661	108570	13.5826	260.7795
Hydromorphone	Hydromorphone-D6	2.091	5318020	704521	7.5484	262.6359
Codeine	Codeine-D6	4.057	644931	107480	6.0005	262.1785
Oxycodone	Oxycodone-D6	4.393	6449466	803835	8.0234	266.8303
Amphetamine	Amphetamine-D11	4.427	3551102	229014	15.5061	268.8397
Hydrocodone	Hydrocodone-D6	4.678	2310340	490787	4.7074	264.6552
Norhydrocodone	Norhydrocodone-D3	4.721	183860	107831	1.7051	273.3265
Methamphetamine	Methamphetamine-D11	4.784	3819740	340759	11.2095	254.7466
6-MAM	6-MAM-D6	4.892	70233	96971	0.7243	25.3166
Phentermine	Phentermine-D5	5.610	1757269	597412	2.9415	269.5196
Dextrorphan	Dextrorphan-D3	6.067	2662129	768477	3.4642	257.8629
7-aminoclonazepam	7-Aminoclonazepam-D4	6.199	3321081	502331	6.6113	269.8178
Tramadol	Tramadol-13C-D3	6.207	17500715	29463	593.9962	260.1356
Metoprolol	Tramadol-13C-D3	6.305	1567815	29463	53.2136	254.2632
Doxylamine	Doxylamine-D5	6.526	9619945	2278681	4.2217	257.5456
Bupropion	Bupropion-D9	6.775	1808906	238115	7.5968	214.5499
Meprobamate	Meprobamate-D7	6.877	1731691	232727	7.4409	270.3387
Zolpidem	Zolpidem-D6	6.905	17568525	3363011	5.2240	273.7753
Venlafaxine	Venlafaxine-D6	7.010	15538686	2025164	7.6728	263.6149
Trazodone	Trazodone-D6	7.120	3952939	470582	8.4001	295.4566

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ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report a QC 250 (QC3)

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.163	2336520	401098	5.8253	233.8953
Dextromethorphan	Dextromethorphan-D3	7.174	649697	85435	7.6046	289.9259
Diphenhydramine	Diphenhydramine-D3	7.218	4574855	748523	6.1118	279.8988
Promethazine	Promethazine-D3	7.393	745833	85518	8.7214	273.8761
Clonazepam	Clonazepam-D4	7.449	3928675	121932	32.2202	270.5469
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.525	921140	168056	5.4811	252.0676
Carisoprodol	Carisoprodol-D7	7.558	4664672	656286	7.1077	269.7611
Alprazolam	Alprazolam-D5	7.592	9988857	1192382	8.3772	255.9458
Lorazepam	Clonazepam-D4	7.567	1133820	121932	9.2988	208.0157

TS

ISP FORENSICS - Pocatello Instrument # 59740

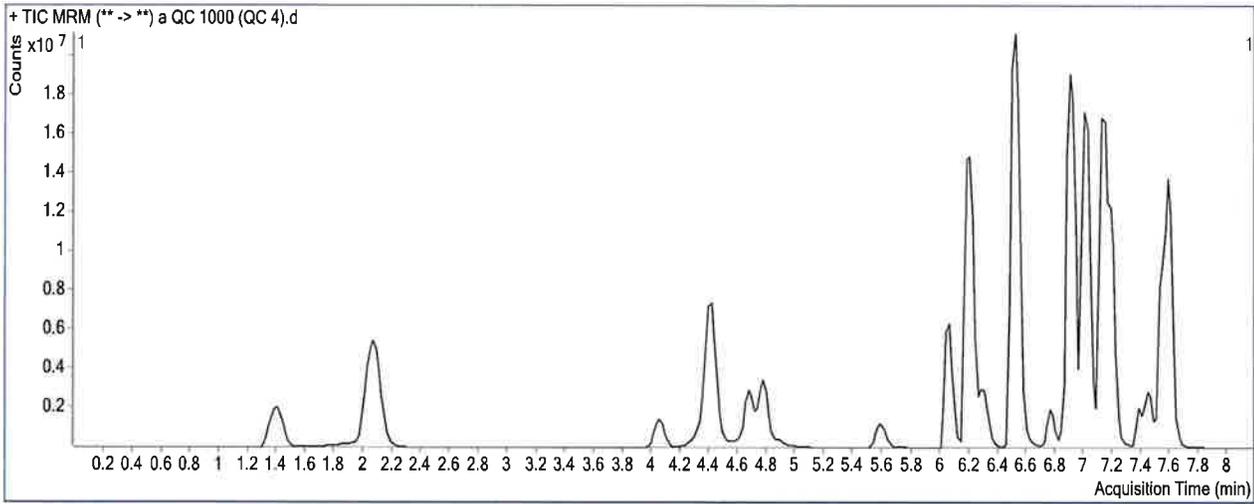
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wk1st 2862 2863 TS\QuantResults\P1a MDQ TS.batch.bi
Analysis Time 1/7/2019 11:30 AM **Analyst Name** ISPUser
Report Time 1/7/2019 11:41 AM **Reporter Name** ISPUser
Last Calib Update 1/7/2019 11:30 AM **Batch State** Processed

Analysis Info

Acq Time 2019-01-03 09:53 **Data File** a QC 1000 (QC 4).d
Sample Type QC **Sample Name** a QC 1000 (QC 4).d
Dilution 1 **Acq Method** MD Quant Panel 1a 7-11-18.m
Position P1-D2 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.410	5091611	87114	58.4479	1118.7375
Hydromorphone	Hydromorphone-D6	2.071	18328754	589749	31.0789	1076.8639
Codeine	Codeine-D6	4.057	2029550	82800	24.5116	1068.7515
Oxycodone	Oxycodone-D6	4.393	24432335	745441	32.7757	1085.7777
Amphetamine	Amphetamine-D11	4.427	9948273	196114	50.7270	887.8710 <i>outside curve range. TS</i>
Hydrocodone	Hydrocodone-D6	4.678	8289934	448672	18.4766	1035.9344
Norhydrocodone	Norhydrocodone-D3	4.721	635908	79089	8.0405	1265.8964
Methamphetamine	Methamphetamine-D11	4.784	11739779	250756	46.8175	1061.9399
6-MAM	6-MAM-D6	4.892	260061	86599	3.0031	104.1871
Phentermine	Phentermine-D5	5.590	5526724	475945	11.6121	1064.7989
Dextropropranolol	Dextropropranolol-D3	6.067	9036389	642957	14.0544	1042.6193
7-aminoclonazepam	7-Aminoclonazepam-D4	6.199	8191757	343313	23.8609	975.1171
Tramadol	Tramadol-13C-D3	6.207	52871462	27439	1926.8588	842.8526 <i>outside curve range. TS</i>
Metoprolol	Metoprolol-13C-D3	6.305	4752512	27439	173.2016	826.3061
Doxylamine	Doxylamine-D5	6.526	38657192	2199232	17.5776	1070.4209
Bupropion	Bupropion-D9	6.775	3554792	114401	31.0731	873.1375
Meprobamate	Meprobamate-D7	6.877	4301189	156054	27.5622	999.5781
Zolpidem	Zolpidem-D6	6.905	55495141	2875512	19.2992	1009.0039
Venlafaxine	Venlafaxine-D6	7.010	53457629	1787843	29.9006	1024.5590 <i>outside curve range. TS</i>
Trazodone	Trazodone-D6	7.120	24774675	757210	32.7183	1150.4614

TS

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

a QC 1000 (QC4)

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.163	9608323	338779	28.3616	1132.2390
Dextromethorphan	Dextromethorphan-D3	7.194	2784406	101144	27.5290	1047.4874
Diphenhydramine	Diphenhydramine-D3	7.218	20489840	843470	24.2923	1110.8249
Promethazine	Promethazine-D3	7.393	5299237	155894	33.9926	1062.9585
Clonazepam	Clonazepam-D4	7.449	8157158	66979	121.7869	1020.0697
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.525	2582230	114561	22.5402	1033.0144
Carisoprodol	Carisoprodol-D7	7.558	11405583	385939	29.5528	1117.4793
Alprazolam	Alprazolam-D5	7.612	26843478	725363	37.0069	1126.4751
Lorazepam	Clonazepam-D4	7.567	2645580	66979	39.4987	886.7467

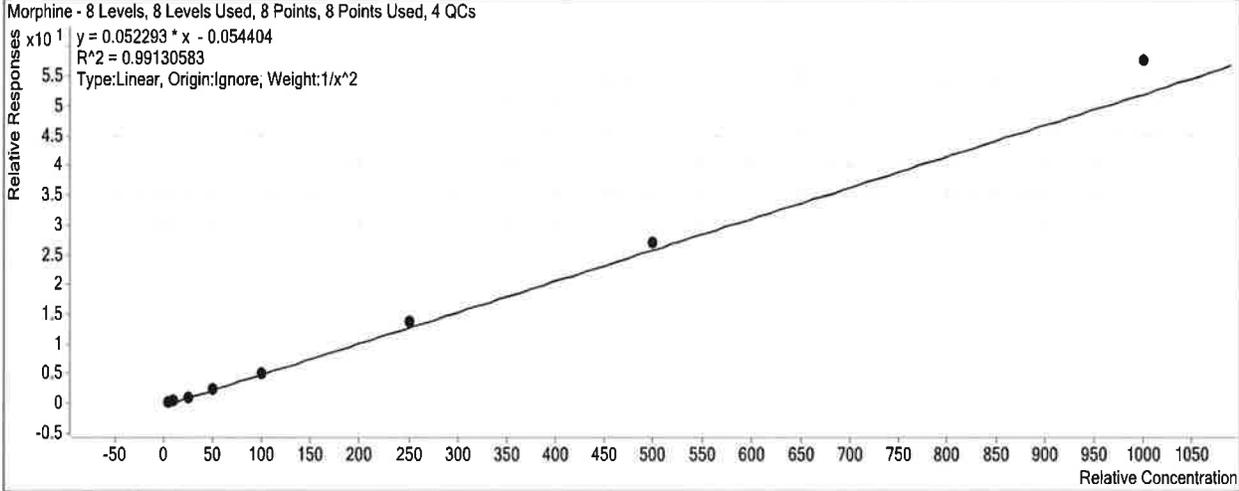
outside conc range. TS

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wk1st 2862 2863 TS\QuantResults\P1a MDQ TS.batch.bin
Last Calib Update 1/7/2019 11:30 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.3	106.1
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.4	94.4
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.6	95.8
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	21.4	85.6
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	47.0	94.0
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	100.2	100.2
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	98.8	98.8
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	262.6	105.0
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	260.8	104.3
a cal 7-500ng_reinject.d	7	<input checked="" type="checkbox"/>	500	520.6	104.1
a cal 8-1000ng_reinject.d	8	<input checked="" type="checkbox"/>	1000	1105.3	110.5
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1118.7	111.9

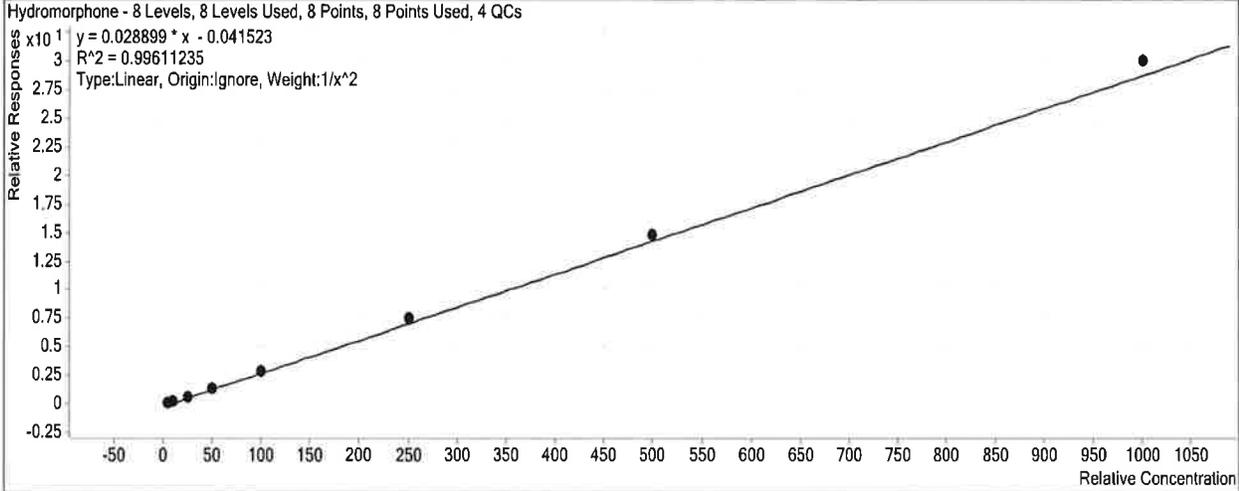
ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wk1st 2862 2863 TS\QuantResults\P1a MDQ TS.batch.bin

Last Calib Update 1/7/2019 11:30 AM **Analyst Name** ISP TOX

Target Compound Hydromorphone
Internal Standard Hydromorphone-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.3	105.2
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.3	93.1
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.3	93.1
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	22.9	91.6
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	48.6	97.3
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	100.4	100.4
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	99.2	99.2
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	262.5	105.0
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	262.6	105.1
a cal 7-500ng_reinject.d	7	<input checked="" type="checkbox"/>	500	516.6	103.3
a cal 8-1000ng_reinject.d	8	<input checked="" type="checkbox"/>	1000	1041.0	104.1
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1076.9	107.7

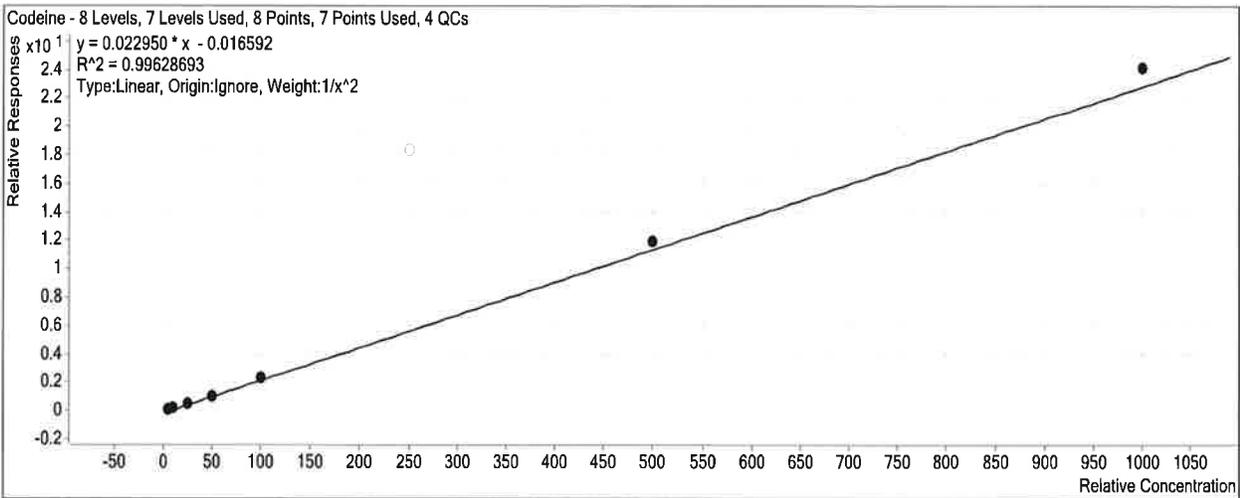
ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wklst 2862 2863 TS\QuantResults\P1a MDQ TS.batch.bin

Last Calib Update 1/7/2019 11:30 AM **Analyst Name** ISP TOX

Target Compound Codeine
Internal Standard Codeine-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.2	103.5
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.7	96.7
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.2	102.0
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.1	92.3
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	47.5	95.0
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	103.3	103.3
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	100.6	100.6
a cal 6-250ng.d	6	<input type="checkbox"/>	250	803.7	321.5
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	262.2	104.9
a cal 7-500ng_reinject.d	7	<input checked="" type="checkbox"/>	500	518.9	103.8
a cal 8-1000ng_reinject.d	8	<input checked="" type="checkbox"/>	1000	1054.3	105.4
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1068.8	106.9

*ITSD peak shape not acceptable. - TS

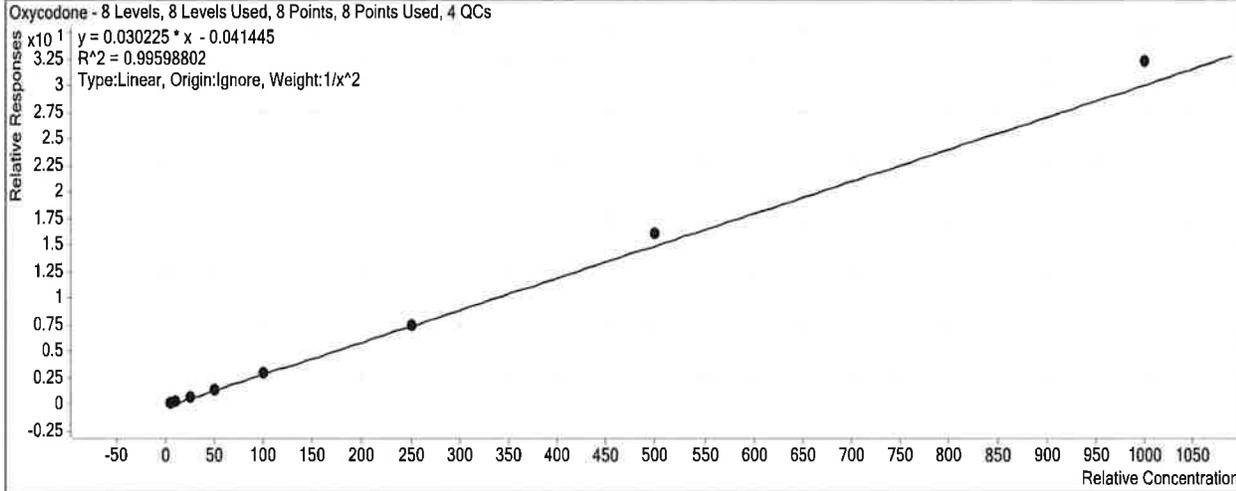
ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wk1st 2862 2863 TS\QuantResults\P1a MDQ TS.batch.bin

Last Calib Update 1/7/2019 11:30 AM **Analyst Name** ISP TOX

Target Compound Oxycodone
Internal Standard Oxycodone-D6



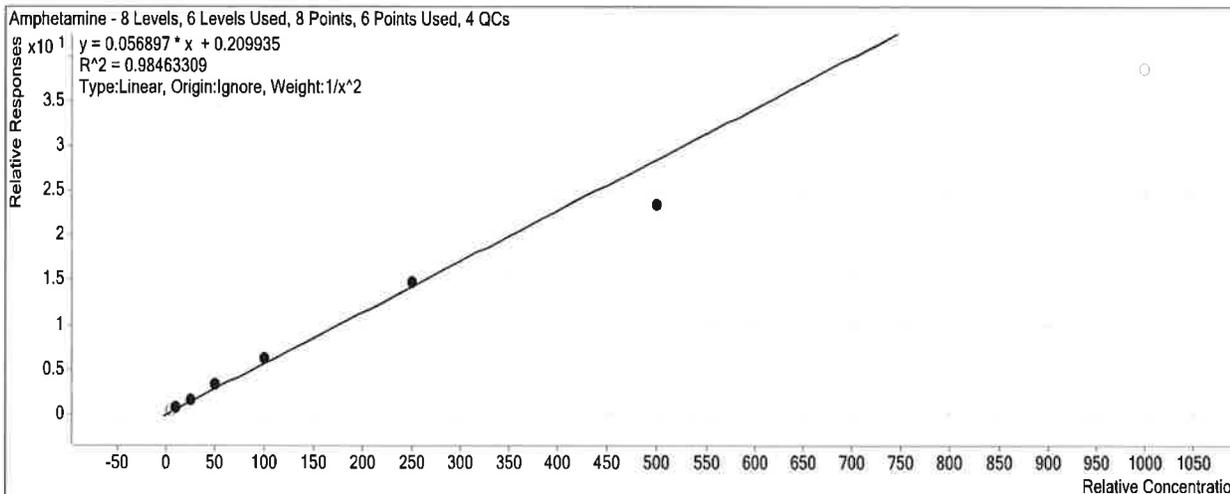
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.2	103.5
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.7	97.0
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.9	99.5
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.2	92.6
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	47.0	93.9
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	99.4	99.4
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	101.0	101.0
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	248.7	99.5
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	266.8	106.7
a cal 7-500ng_reinject.d	7	<input checked="" type="checkbox"/>	500	534.8	107.0
a cal 8-1000ng_reinject.d	8	<input checked="" type="checkbox"/>	1000	1071.2	107.1
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1085.8	108.6

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wk1st 2862 2863 TS\QuantResults\P1a MDQ TS.batch.bin
Last Calib Update 1/7/2019 11:30 AM **Analyst Name** ISP TOX

Target Compound Amphetamine
Internal Standard Amphetamine-D11



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input type="checkbox"/>	5	4.0	79.9
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.7	96.5
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	8.8	87.7
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	25.5	102.1
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	55.7	111.4
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	106.1	106.1
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	107.5	107.5
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	256.2	102.5
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	268.8	107.5
a cal 7-500ng_reinject.d	7	<input checked="" type="checkbox"/>	500	406.8	81.4
a cal 8-1000ng_reinject.d	8	<input type="checkbox"/>	1000	676.1	67.6
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	887.9	88.8

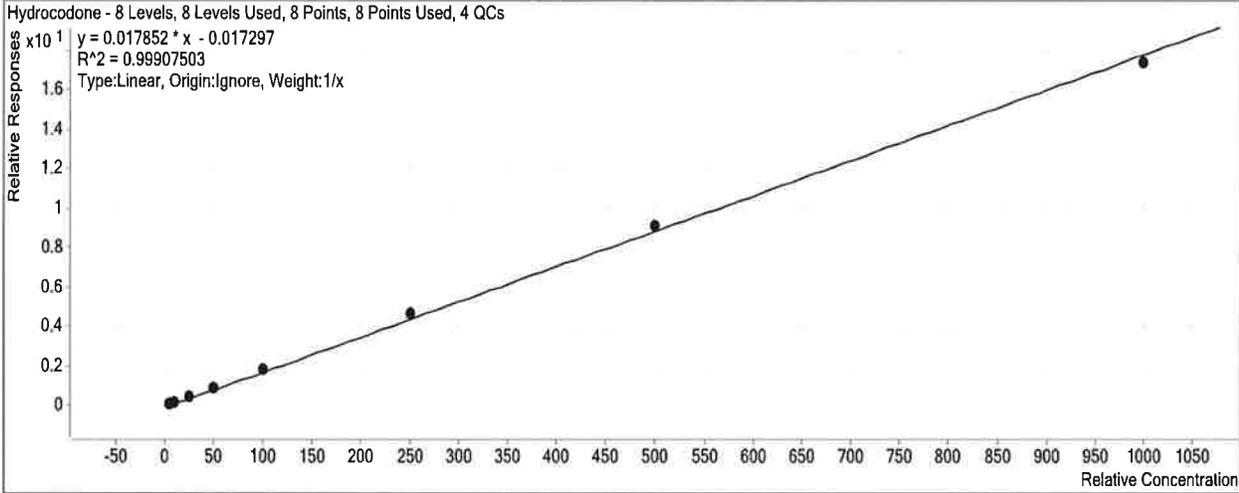
ISP Forensics Calibration Curve Report

B

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wk1st 2862 2863 TS\QuantResults\P1a
MDQ TS.batch.bin

Last Calib Update 1/7/2019 11:30 AM **Analyst Name** ISP TOX

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



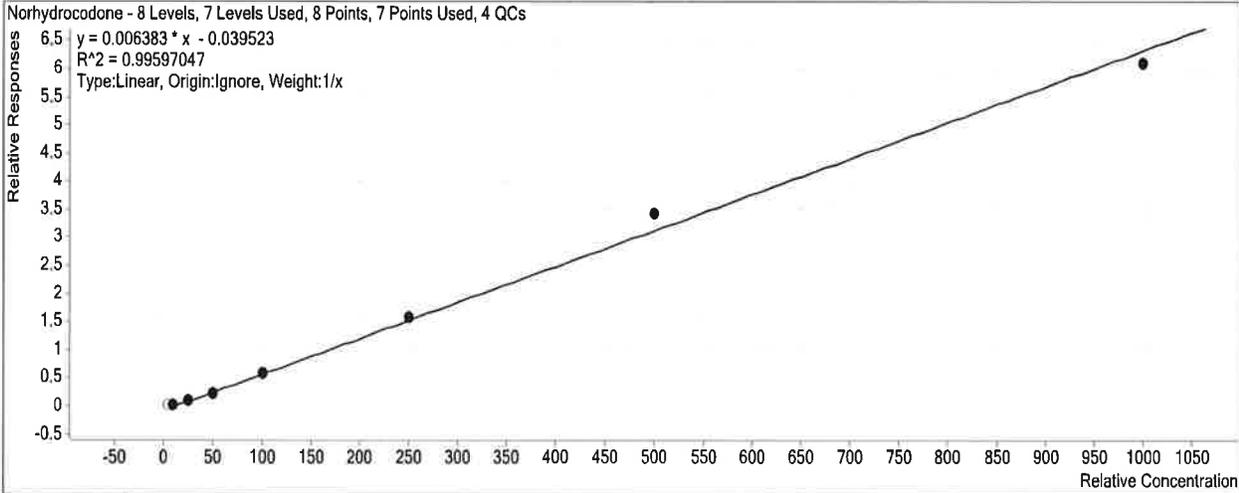
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.1	101.7
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.4	93.6
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.9	99.2
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	24.4	97.7
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	49.8	99.7
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	102.3	102.3
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	101.4	101.4
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	264.0	105.6
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	264.7	105.9
a cal 7-500ng_reinject.d	7	<input checked="" type="checkbox"/>	500	509.1	101.8
a cal 8-1000ng_reinject.d	8	<input checked="" type="checkbox"/>	1000	975.9	97.6
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1035.9	103.6

ISP Forensics Calibration Curve Report

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Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wk1st 2862 2863 TS\QuantResults\P1a MDQ TS.batch.bin
Last Calib Update 1/7/2019 11:30 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input type="checkbox"/>	5	9.6	191.7
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	11.8	118.3
a QC 10 (QC1).d	2	<input type="checkbox"/>	10	13.4	134.3
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.1	92.4
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	42.8	85.7
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	96.7	96.7
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	87.0	87.0
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	255.7	102.3
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	273.3	109.3
a cal 7-500ng_reinject.d	7	<input checked="" type="checkbox"/>	500	542.2	108.4
a cal 8-1000ng_reinject.d	8	<input checked="" type="checkbox"/>	1000	962.6	96.3
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1265.9	126.6

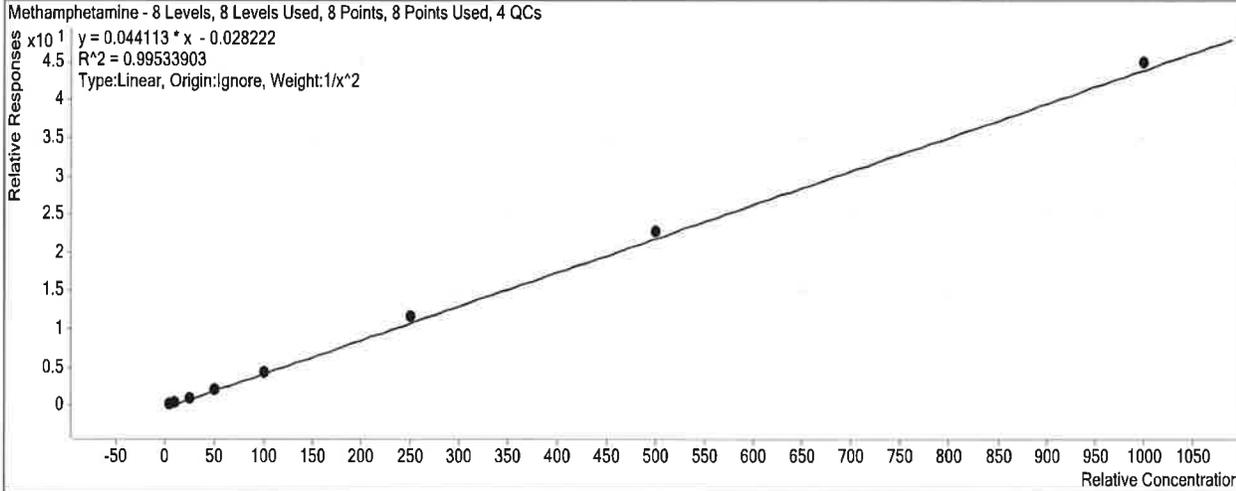
ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wk1st 2862 2863 TS\QuantResults\P1a
MDQ TS.batch.bin

Last Calib Update 1/7/2019 11:30 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.3	106.1
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.1	90.7
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.1	101.3
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.0	92.1
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	50.1	100.2
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	98.8	98.8
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	98.0	98.0
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	266.6	106.6
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	254.7	101.9
a cal 7-500ng_reinject.d	7	<input checked="" type="checkbox"/>	500	516.9	103.4
a cal 8-1000ng_reinject.d	8	<input checked="" type="checkbox"/>	1000	1020.9	102.1
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1061.9	106.2

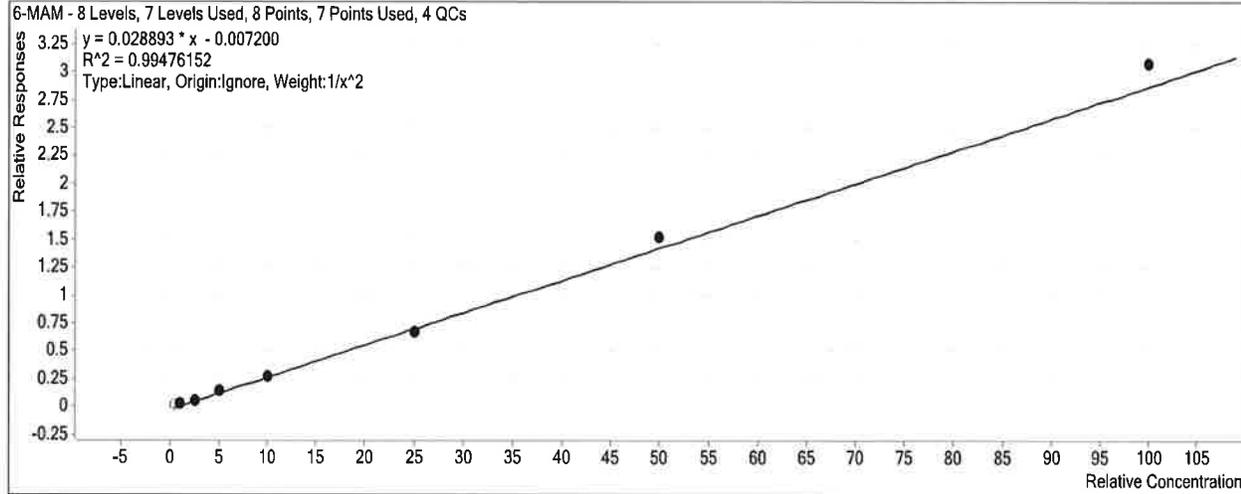
ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wk1st 2862 2863 TS\QuantResults\P1a
MDQ TS.batch.bin

Last Calib Update 1/7/2019 11:30 AM **Analyst Name** ISP TOX

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



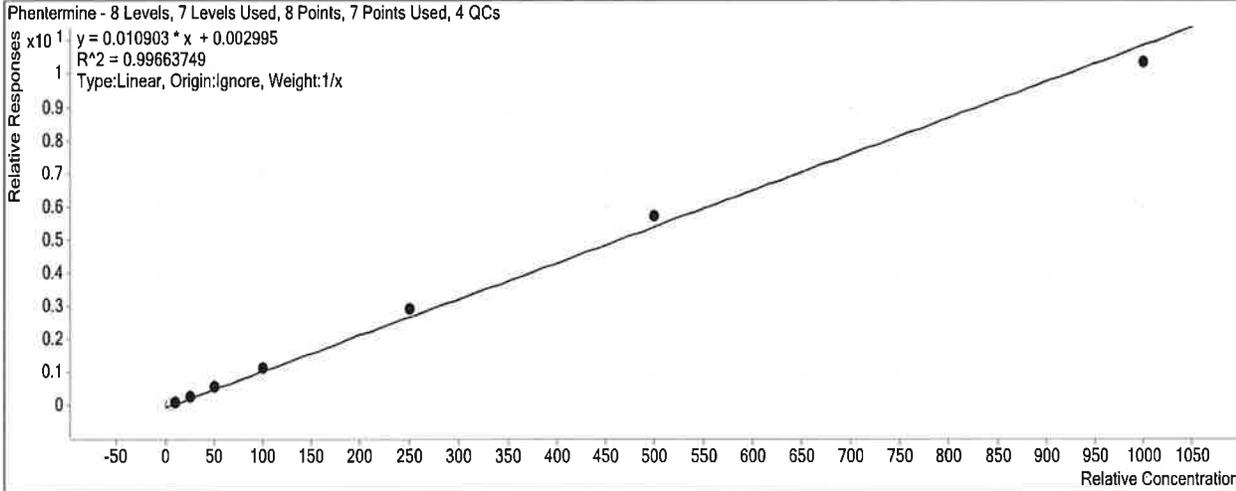
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input type="checkbox"/>	0.5	0.7	144.5
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	1	1.0	103.6
a QC 10 (QC1).d	2	<input type="checkbox"/>	1	1.3	125.9
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	2.5	2.3	90.9
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	5	5.1	102.7
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	10	9.6	95.7
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	10	9.2	91.8
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	25	23.6	94.4
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	25	25.3	101.3
a cal 7-500ng_reinject.d	7	<input checked="" type="checkbox"/>	50	52.9	105.8
a cal 8-1000ng_reinject.d	8	<input checked="" type="checkbox"/>	100	106.9	106.9
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	100	104.2	104.2

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wk1st 2862 2863 TS\QuantResults\P1a MDQ TS.batch.bin
Last Calib Update 1/7/2019 11:30 AM **Analyst Name** ISP TOX

Target Compound Phentermine
Internal Standard Phentermine-D5



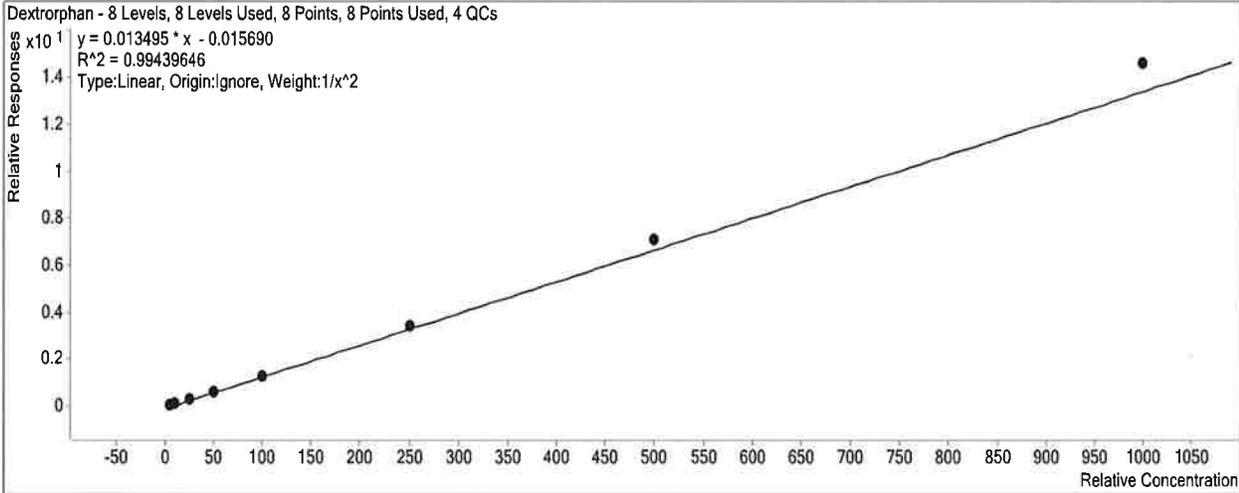
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input type="checkbox"/>	5	4.2	84.6
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	8.6	85.9
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.5	95.3
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.7	94.8
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	53.2	106.4
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	106.1	106.1
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	106.1	106.1
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	265.8	106.3
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	269.5	107.8
a cal 7-500ng_reinject.d	7	<input checked="" type="checkbox"/>	500	526.2	105.2
a cal 8-1000ng_reinject.d	8	<input checked="" type="checkbox"/>	1000	951.3	95.1
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1064.8	106.5

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wklst 2862 2863 TS\QuantResults\P1a MDQ TS.batch.bin
Last Calib Update 1/7/2019 11:30 AM **Analyst Name** ISP TOX

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



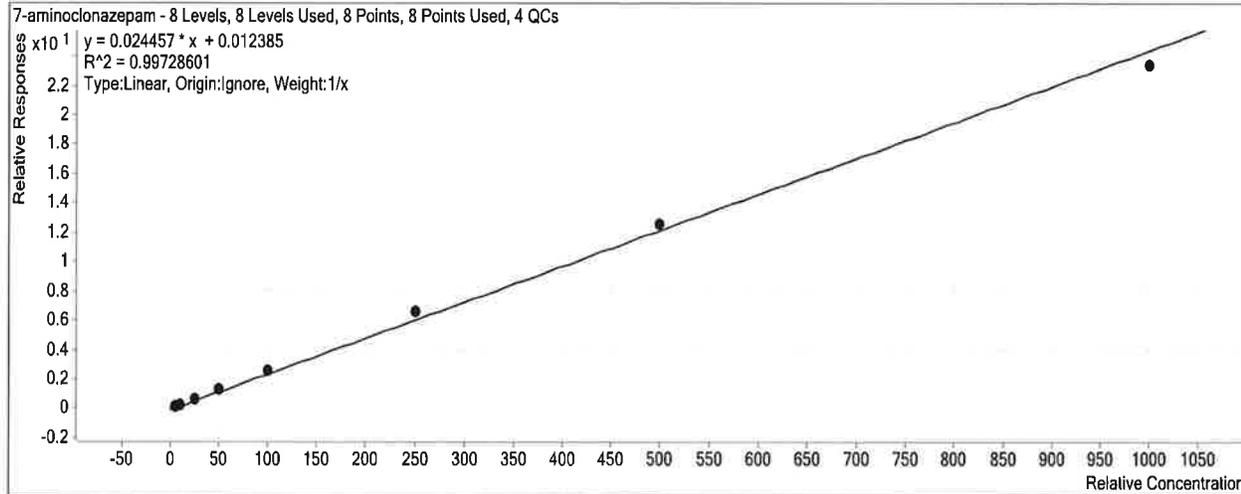
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
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a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.1	90.8
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.1	101.0
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.4	93.6
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	48.2	96.5
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	97.0	97.0
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	97.7	97.7
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	254.0	101.6
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	257.9	103.1
a cal 7-500ng_reinject.d	7	<input checked="" type="checkbox"/>	500	528.1	105.6
a cal 8-1000ng_reinject.d	8	<input checked="" type="checkbox"/>	1000	1087.0	108.7
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1042.6	104.3

ISP Forensics Calibration Curve Report

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Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wk1st 2862 2863 TS\QuantResults\P1a MDQ TS.batch.bin
Last Calib Update 1/7/2019 11:30 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	4.4	88.4
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	8.8	87.9
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.5	94.5
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	25.5	102.2
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	54.2	108.3
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	106.7	106.7
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	107.1	107.1
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	271.0	108.4
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	269.8	107.9
a cal 7-500ng_reinject.d	7	<input checked="" type="checkbox"/>	500	511.5	102.3
a cal 8-1000ng_reinject.d	8	<input checked="" type="checkbox"/>	1000	957.9	95.8
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	975.1	97.5

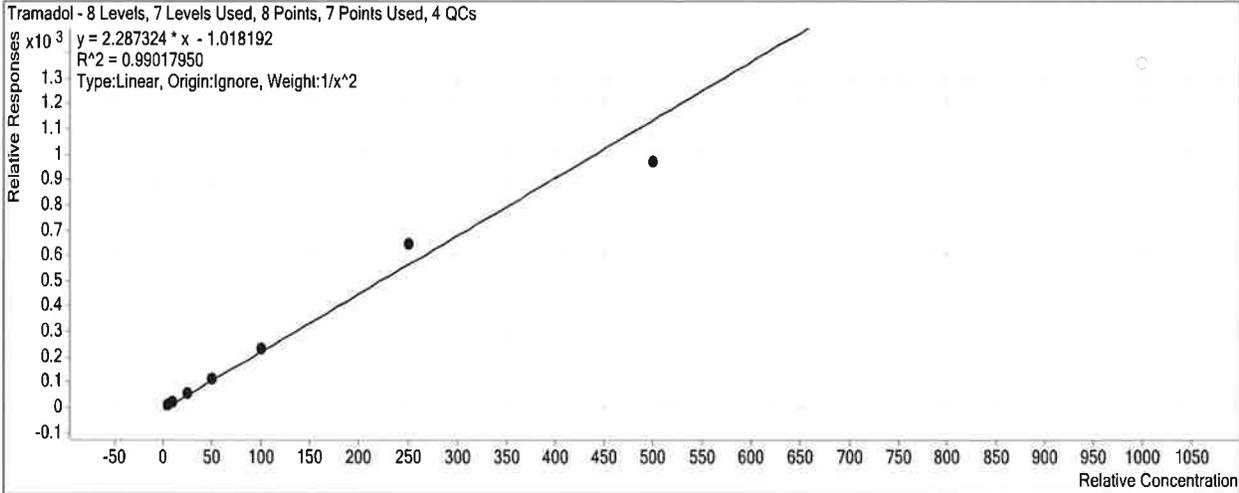
ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wk1st 2862 2863 TS\QuantResults\P1a
MDQ TS.batch.bin

Last Calib Update 1/7/2019 11:30 AM **Analyst Name** ISP TOX

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



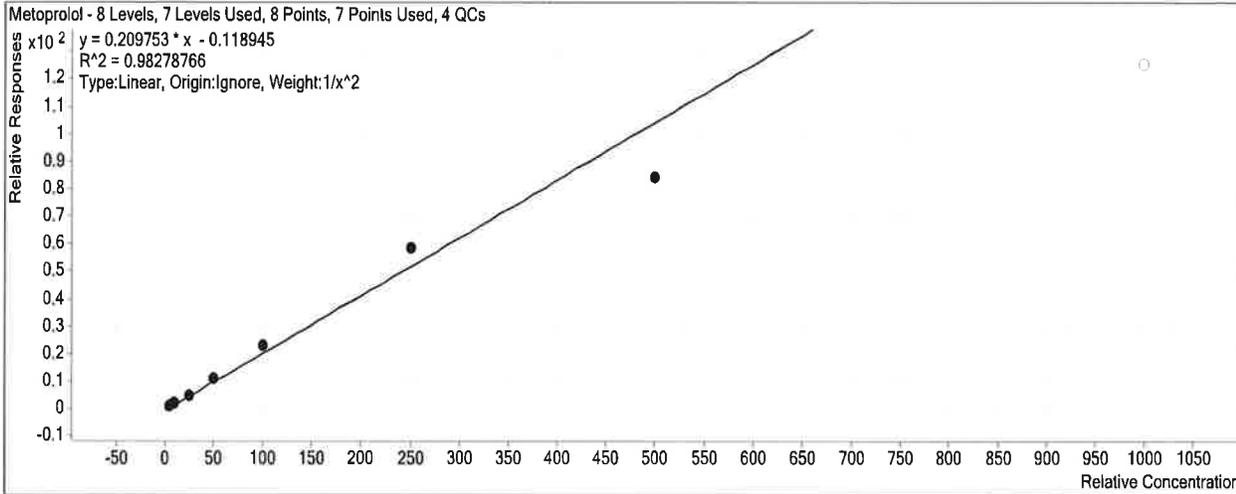
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.0	99.3
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	10.1	101.4
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	8.9	89.0
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	24.9	99.8
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	49.1	98.2
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	103.0	103.0
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	99.7	99.7
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	283.7	113.5
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	260.1	104.1
a cal 7-500ng_reinject.d	7	<input checked="" type="checkbox"/>	500	424.3	84.9
a cal 8-1000ng_reinject.d	8	<input type="checkbox"/>	1000	596.1	59.6
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	842.9	84.3

TS

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wk1st 2862 2863 TS\QuantResults\P1a MDQ TS.batch.bin
Last Calib Update 1/7/2019 11:30 AM **Analyst Name** ISP TOX

Target Compound Metoprolol
Internal Standard Tramadol-13C-D3



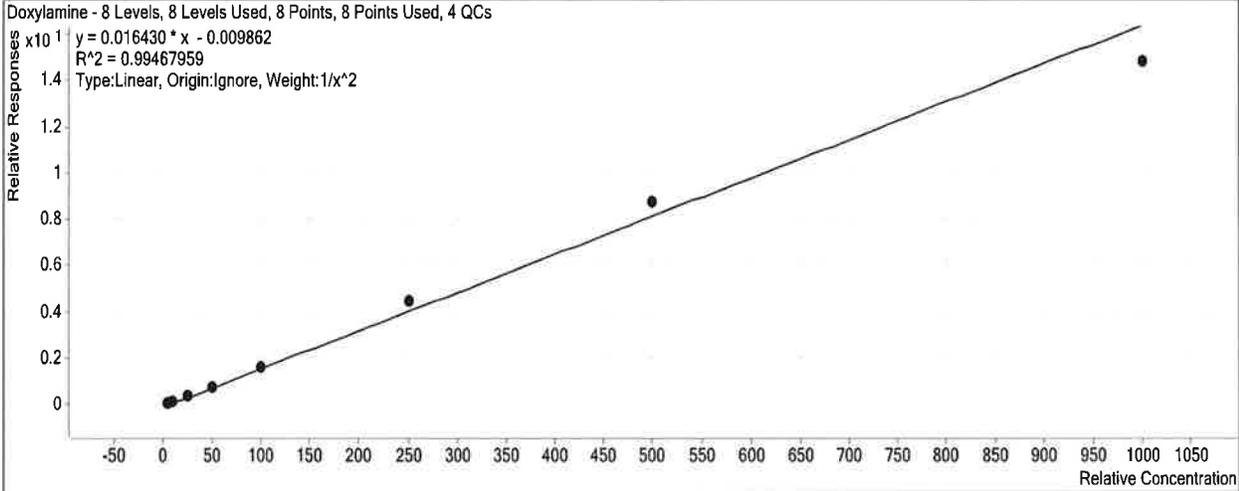
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.2	103.3
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.3	93.5
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.3	93.0
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.6	94.4
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	52.9	105.8
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	110.2	110.2
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	99.5	99.5
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	280.8	112.3
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	254.3	101.7
a cal 7-500ng_reinject.d	7	<input checked="" type="checkbox"/>	500	403.0	80.6
a cal 8-1000ng_reinject.d	8	<input type="checkbox"/>	1000	599.2	59.9
a QC 1000 (QC 4).d	8	<input type="checkbox"/>	1000	826.3	82.6

ISP Forensics Calibration Curve Report

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Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wk1st 2862 2863 TS\QuantResults\P1a MDQ TS.batch.bin
Last Calib Update 1/7/2019 11:30 AM **Analyst Name** ISP TOX

Target Compound Doxylamine
Internal Standard Doxylamine-D5



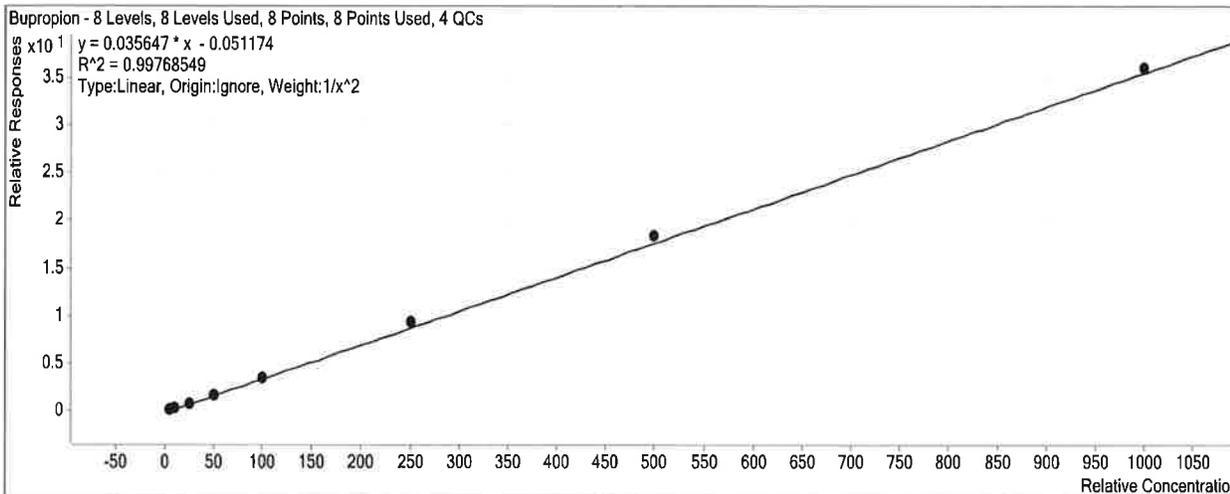
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.2	103.5
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.4	93.9
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.6	96.3
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	24.4	97.8
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	48.8	97.5
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	101.4	101.4
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	98.3	98.3
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	273.0	109.2
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	257.5	103.0
a cal 7-500ng_reinject.d	7	<input checked="" type="checkbox"/>	500	532.0	106.4
a cal 8-1000ng_reinject.d	8	<input checked="" type="checkbox"/>	1000	903.2	90.3
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1070.4	107.0

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wk1st 2862 2863 TS\QuantResults\P1a MDQ TS.batch.bin
Last Calib Update 1/7/2019 11:30 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.1	103.0
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.7	96.8
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.2	92.5
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.7	94.9
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	47.4	94.9
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	99.6	99.6
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	92.2	92.2
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	265.1	106.0
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	214.5	85.8
a cal 7-500ng_reinject.d	7	<input checked="" type="checkbox"/>	500	517.7	103.5
a cal 8-1000ng_reinject.d	8	<input checked="" type="checkbox"/>	1000	1012.8	101.3
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	873.1	87.3

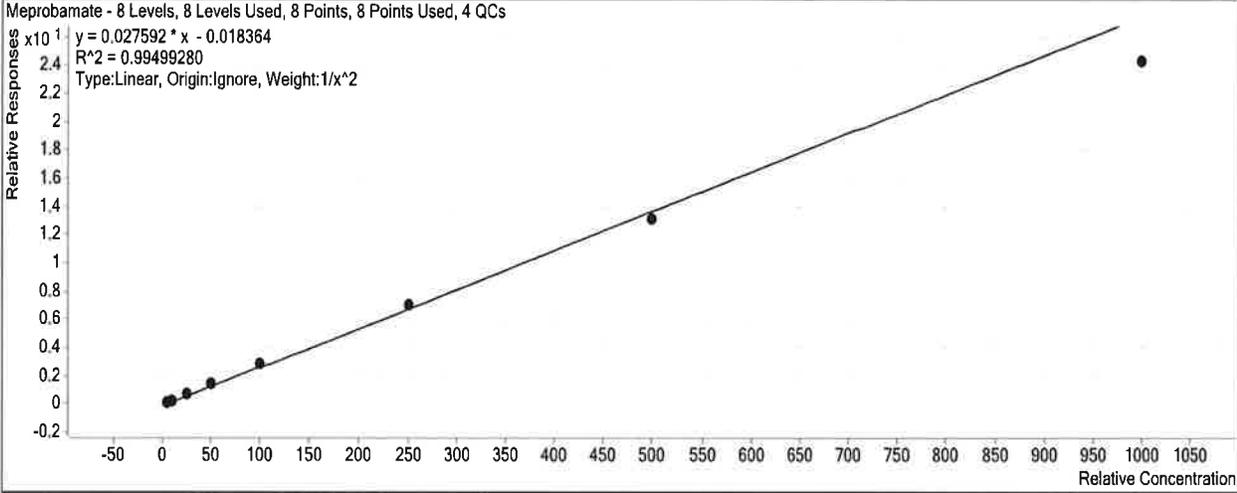
ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wk1st 2862 2863 TS\QuantResults\P1a
MDQ TS.batch.bin

Last Calib Update 1/7/2019 11:30 AM **Analyst Name** ISP TOX

Target Compound Meprobamate
Internal Standard Meprobamate-D7



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	4.9	98.2
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	10.0	99.5
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.0	99.9
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	26.8	107.1
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	52.4	104.8
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	104.9	104.9
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	104.8	104.8
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	255.5	102.2
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	270.3	108.1
a cal 7-500ng_reinject.d	7	<input checked="" type="checkbox"/>	500	475.4	95.1
a cal 8-1000ng_reinject.d	8	<input checked="" type="checkbox"/>	1000	883.2	88.3
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	999.6	100.0

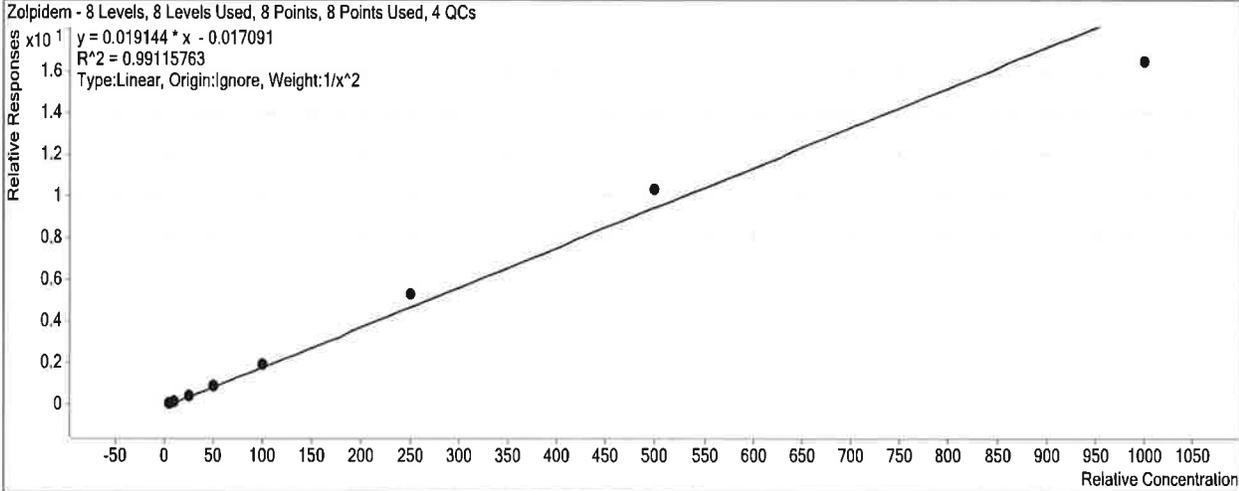
ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wk1st 2862 2863 TS\QuantResults\P1a MDQ TS.batch.bin

Last Calib Update 1/7/2019 11:30 AM **Analyst Name** ISP TOX

Target Compound Zolpidem
Internal Standard Zolpidem-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.1	102.2
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.8	98.1
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.0	99.6
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.2	92.8
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	48.8	97.5
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	102.5	102.5
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	101.7	101.7
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	279.2	111.7
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	273.8	109.5
a cal 7-500ng_reinject.d	7	<input checked="" type="checkbox"/>	500	543.4	108.7
a cal 8-1000ng_reinject.d	8	<input checked="" type="checkbox"/>	1000	863.7	86.4
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1009.0	100.9

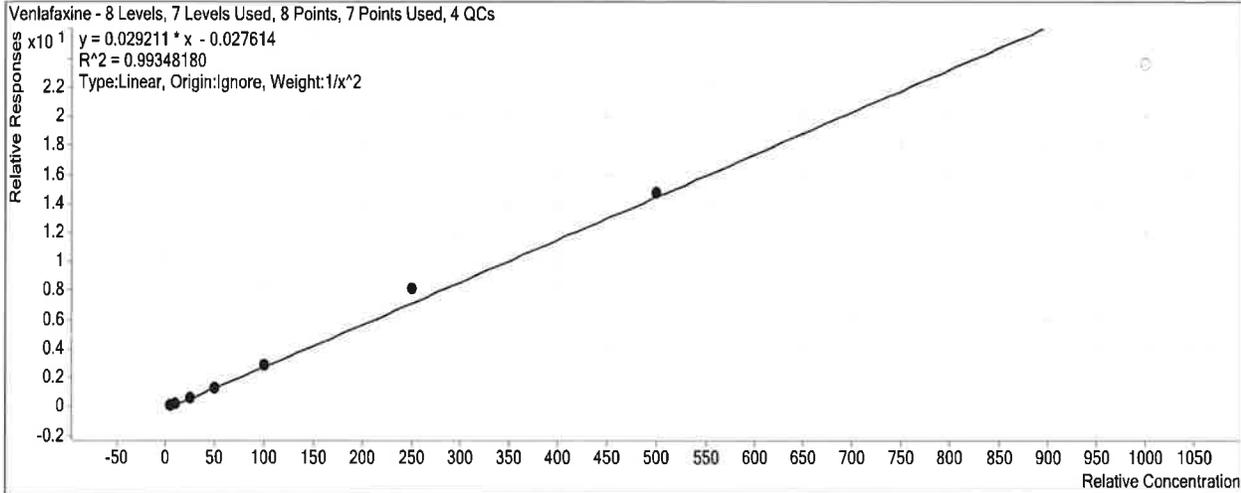
ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wk1st 2862 2863 TS\QuantResults\P1a
MDQ TS.batch.bin

Last Calib Update 1/7/2019 11:30 AM **Analyst Name** ISP TOX

Target Compound Venlafaxine
Internal Standard Venlafaxine-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.2	104.8
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.4	93.8
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.3	103.4
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.2	92.8
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	47.7	95.4
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	99.6	99.6
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	97.4	97.4
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	280.1	112.0
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	263.6	105.4
a cal 7-500ng_reinject.d	7	<input checked="" type="checkbox"/>	500	508.1	101.6
a cal 8-1000ng_reinject.d	8	<input type="checkbox"/>	1000	811.7	81.2
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1024.6	102.5

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wklist 2862 2863 TS\QuantResults\P1a

MDQ TS.batch.bin

Last Calib Update

1/7/2019 11:30 AM

Analyst Name

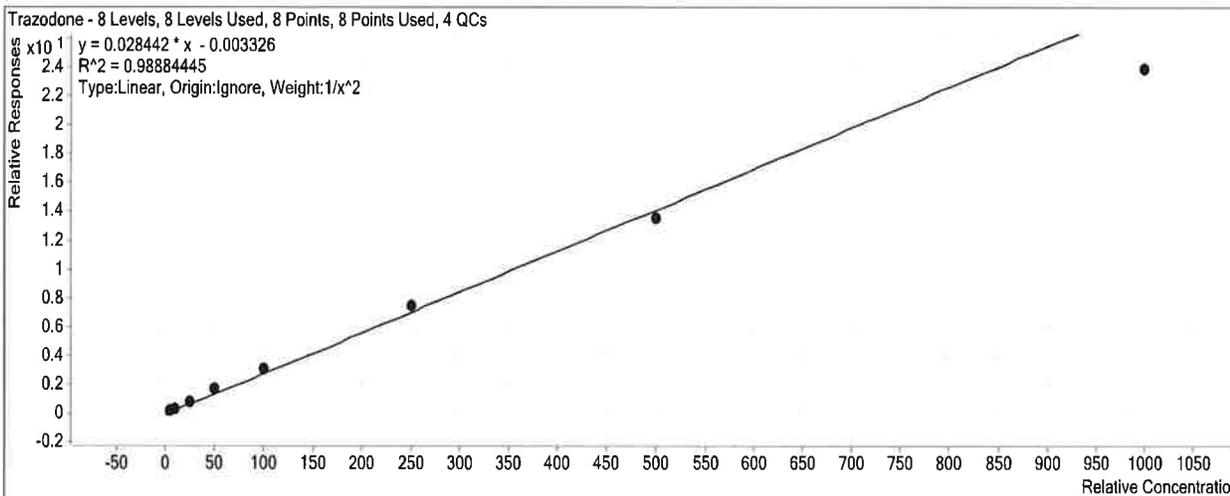
ISP TOX

Target Compound

Trazodone

Internal Standard

Trazodone-D6



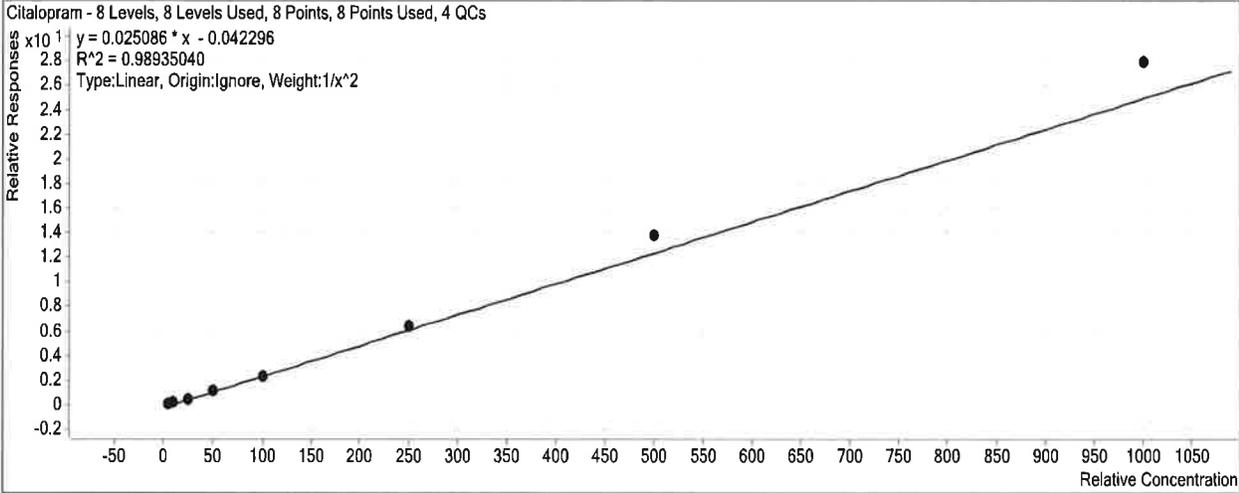
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.1	102.2
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.1	91.5
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.8	107.9
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	25.5	102.2
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	56.7	113.4
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	106.1	106.1
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	113.4	113.4
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	262.6	105.0
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	295.5	118.2
a cal 7-500ng_reinject.d	7	<input checked="" type="checkbox"/>	500	476.6	95.3
a cal 8-1000ng_reinject.d	8	<input checked="" type="checkbox"/>	1000	842.5	84.2
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1150.5	115.0

ISP Forensics Calibration Curve Report

B

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wklst 2862 2863 TS\QuantResults\P1a MDQ TS.batch.bin
Last Calib Update 1/7/2019 11:30 AM **Analyst Name** ISP TOX

Target Compound Citalopram
Internal Standard Citalopram-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.2	105.0
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.7	97.0
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.0	100.1
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	21.7	87.0
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	46.1	92.2
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	93.3	93.3
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	91.6	91.6
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	258.3	103.3
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	233.9	93.6
a cal 7-500ng_reinject.d	7	<input checked="" type="checkbox"/>	500	553.3	110.7
a cal 8-1000ng_reinject.d	8	<input checked="" type="checkbox"/>	1000	1115.5	111.5
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1132.2	113.2

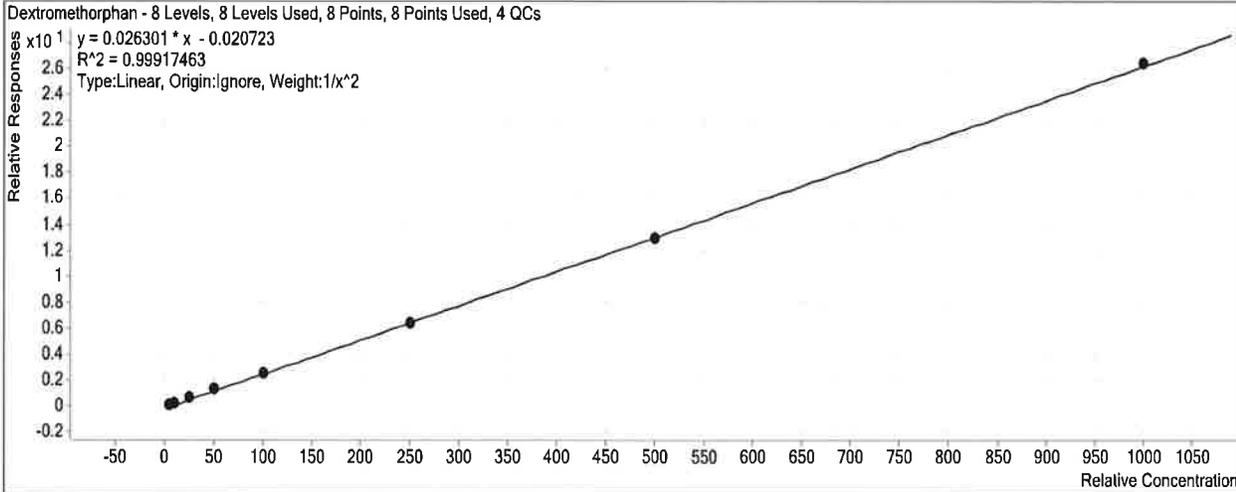
ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wk1st 2862 2863 TS\QuantResults\P1a
MDQ TS.batch.bin

Last Calib Update 1/7/2019 11:30 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	4.9	98.6
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	10.2	102.4
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.9	108.8
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	25.0	99.9
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	52.3	104.6
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	97.0	97.0
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	103.6	103.6
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	246.2	98.5
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	289.9	116.0
a cal 7-500ng_reinject.d	7	<input checked="" type="checkbox"/>	500	491.8	98.4
a cal 8-1000ng_reinject.d	8	<input checked="" type="checkbox"/>	1000	1007.1	100.7
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1047.5	104.7

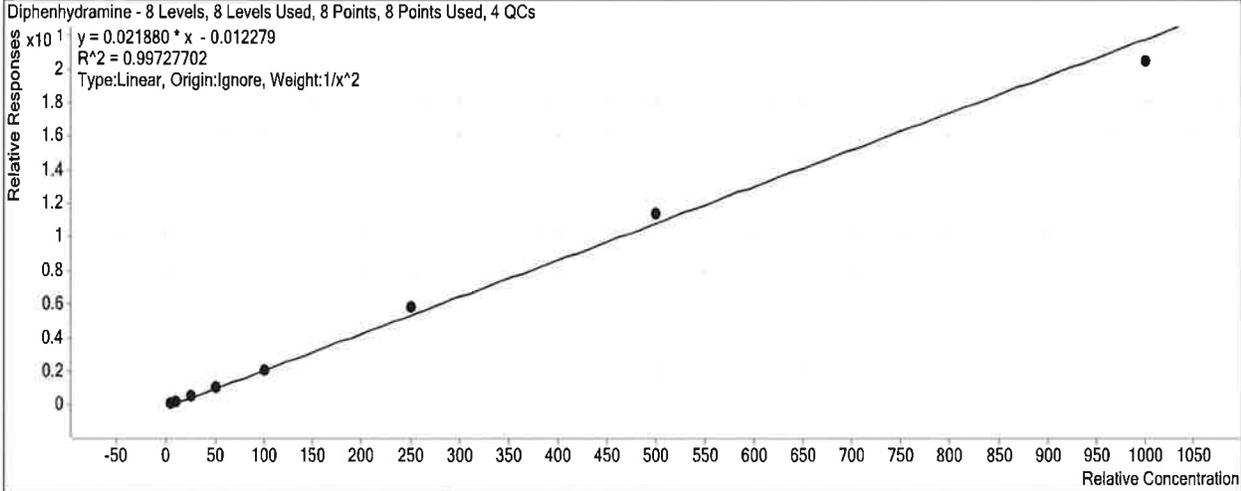
ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wk1st 2862 2863 TS\QuantResults\P1a
MDQ TS.batch.bin

Last Calib Update 1/7/2019 11:30 AM **Analyst Name** ISP TOX

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



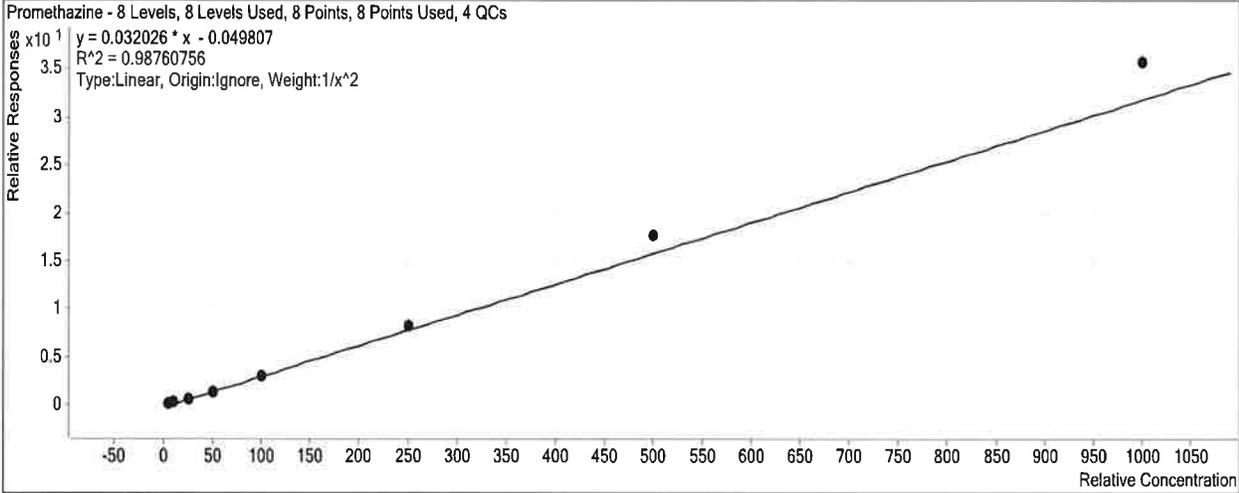
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.0	100.6
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	10.0	100.4
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.6	105.8
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.9	95.7
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	50.4	100.9
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	96.9	96.9
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	99.0	99.0
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	268.7	107.5
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	279.9	112.0
a cal 7-500ng_reinject.d	7	<input checked="" type="checkbox"/>	500	522.0	104.4
a cal 8-1000ng_reinject.d	8	<input checked="" type="checkbox"/>	1000	937.4	93.7
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1110.8	111.1

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wklist 2862 2863 TS\QuantResults\P1a MDQ TS.batch.bin
Last Calib Update 1/7/2019 11:30 AM **Analyst Name** ISP TOX

Target Compound Promethazine
Internal Standard Promethazine-D3



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.3	105.7
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.7	96.6
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.3	102.9
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	21.2	84.9
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	44.9	89.7
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	96.7	96.7
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	92.5	92.5
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	258.6	103.4
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	273.9	109.6
a cal 7-500ng_reinject.d	7	<input checked="" type="checkbox"/>	500	554.1	110.8
a cal 8-1000ng_reinject.d	8	<input checked="" type="checkbox"/>	1000	1120.8	112.1
a QC 1000 (QC 4).d	8	<input type="checkbox"/>	1000	1063.0	106.3

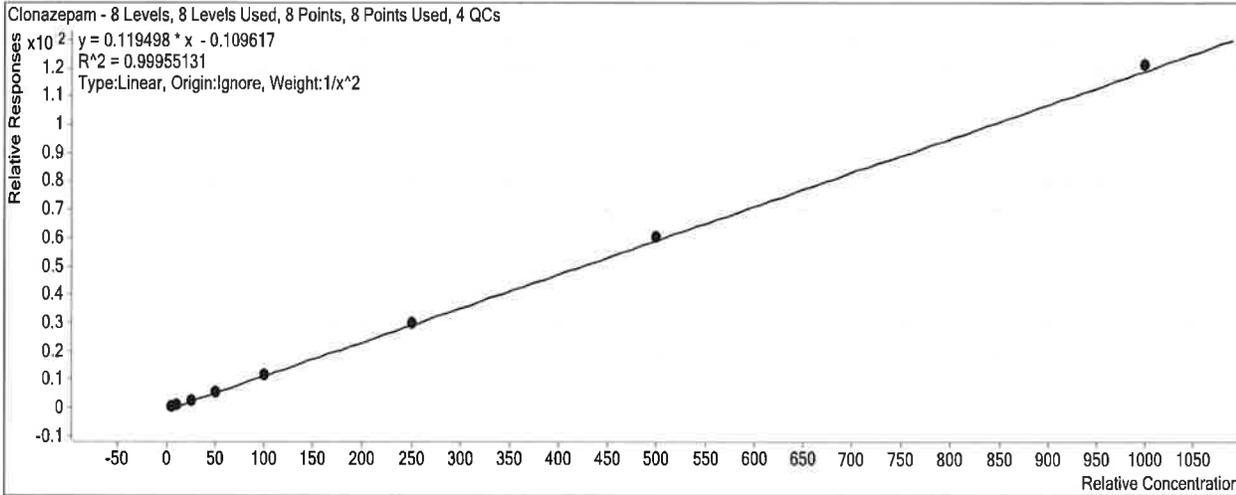
ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wk1st 2862 2863 TS\QuantResults\P1a
MDQ TS.batch.bin

Last Calib Update 1/7/2019 11:30 AM **Analyst Name** ISP TOX

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



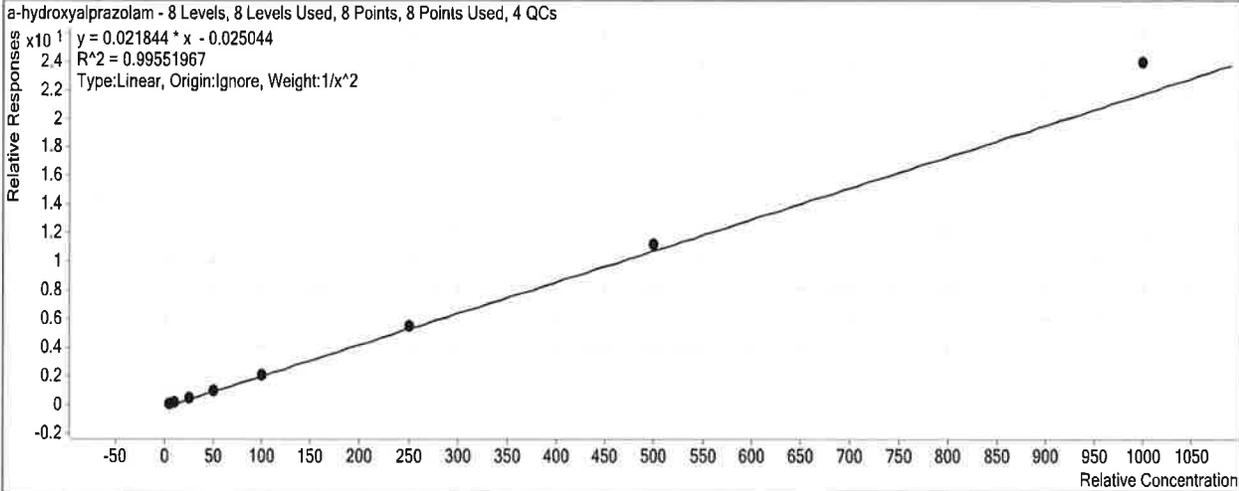
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.0	100.5
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	10.0	100.3
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.6	96.4
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	24.5	98.1
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	48.1	96.3
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	100.9	100.9
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	102.6	102.6
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	252.3	100.9
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	270.5	108.2
a cal 7-500ng_reinject.d	7	<input checked="" type="checkbox"/>	500	506.4	101.3
a cal 8-1000ng_reinject.d	8	<input checked="" type="checkbox"/>	1000	1016.5	101.7
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1020.1	102.0

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wk1st 2862 2863 TS\QuantResults\P1a MDQ TS.batch.bin
Last Calib Update 1/7/2019 11:30 AM **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.d	1	<input checked="" type="checkbox"/>	5	5.2	104.1
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.6	95.9
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.5	95.0
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	22.8	91.1
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	49.2	98.5
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	96.2	96.2
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	95.5	95.5
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	254.0	101.6
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	252.1	100.8
a cal 7-500ng_reinject.d	7	<input checked="" type="checkbox"/>	500	513.8	102.8
a cal 8-1000ng_reinject.d	8	<input checked="" type="checkbox"/>	1000	1098.8	109.9
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1033.0	103.3

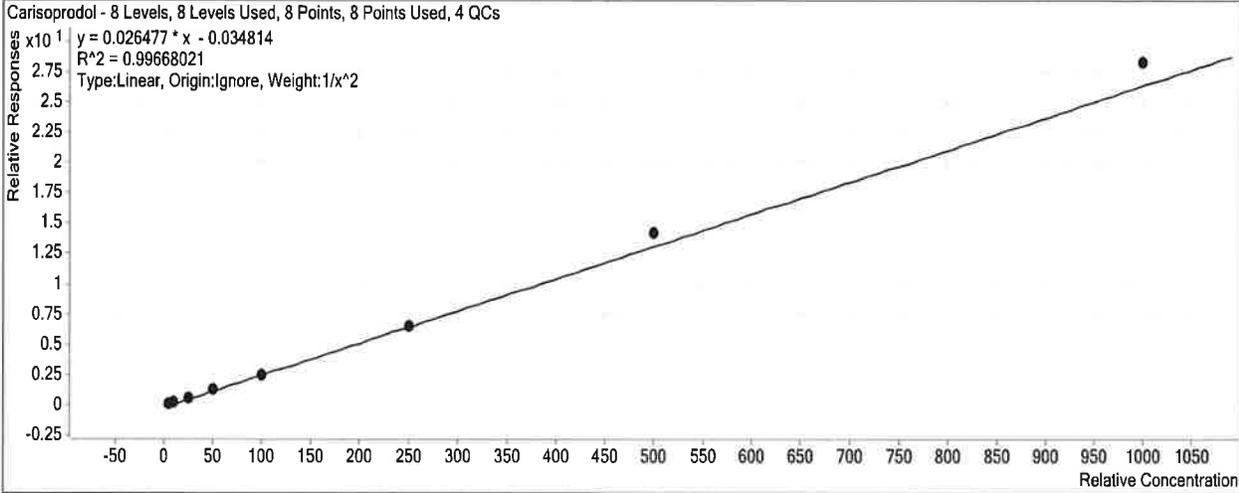
ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wk1st 2862 2863 TS\QuantResults\P1a MDQ TS.batch.bin

Last Calib Update 1/7/2019 11:30 AM **Analyst Name** ISP TOX

Target Compound Carisoprodol
Internal Standard Carisoprodol-D7



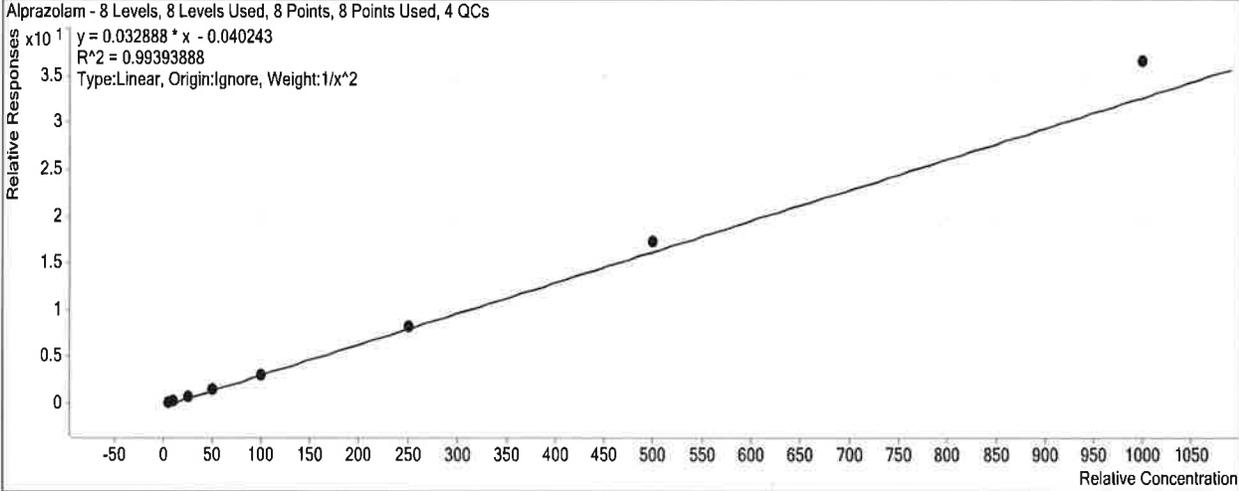
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.1	102.9
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.7	97.0
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.8	108.4
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.8	95.4
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	48.4	96.8
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	95.5	95.5
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	104.4	104.4
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	245.4	98.2
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	269.8	107.9
a cal 7-500ng_reinject.d	7	<input checked="" type="checkbox"/>	500	536.3	107.3
a cal 8-1000ng_reinject.d	8	<input checked="" type="checkbox"/>	1000	1070.6	107.1
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1117.5	111.7

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wk1st 2862 2863 TS\QuantResults\P1a MDQ TS.batch.bin
Last Calib Update 1/7/2019 11:30 AM **Analyst Name** ISP TOX

Target Compound Alprazolam
Internal Standard Alprazolam-D5



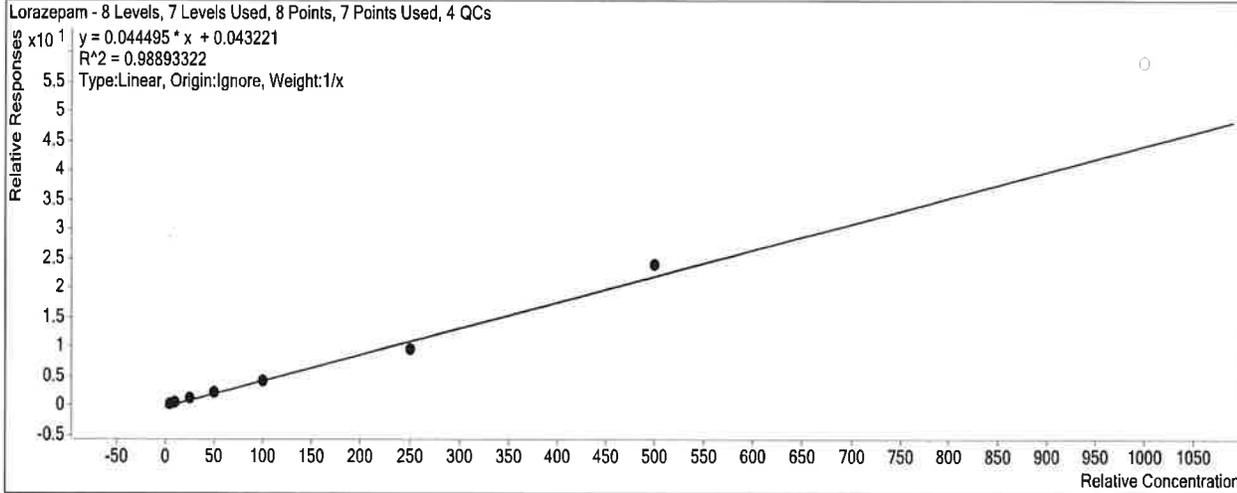
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.2	104.3
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.6	95.5
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.1	101.1
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.4	93.7
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	46.0	91.9
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	96.3	96.3
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	94.6	94.6
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	253.1	101.3
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	255.9	102.4
a cal 7-500ng_reinject.d	7	<input checked="" type="checkbox"/>	500	526.4	105.3
a cal 8-1000ng_reinject.d	8	<input checked="" type="checkbox"/>	1000	1116.3	111.6
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1126.5	112.6

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wk1st 2862 2863 TS\QuantResults\P1a MDQ TS.batch.bin
Last Calib Update 1/7/2019 11:30 AM **Analyst Name** ISP TOX

Target Compound Lorazepam
Internal Standard Clonazepam-D4



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	4.8	96.8
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	11.2	111.6
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.5	105.4
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	25.6	102.4
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	52.0	104.0
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	90.9	90.9
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	96.3	96.3
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	215.4	86.2
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	208.0	83.2
a cal 7-500ng_reinject.d	7	<input checked="" type="checkbox"/>	500	540.1	108.0
a cal 8-1000ng_reinject.d	8	<input type="checkbox"/>	1000	1312.5	131.2
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	886.7	88.7

TS

ISP FORENSICS - Pocatello Instrument # 59740

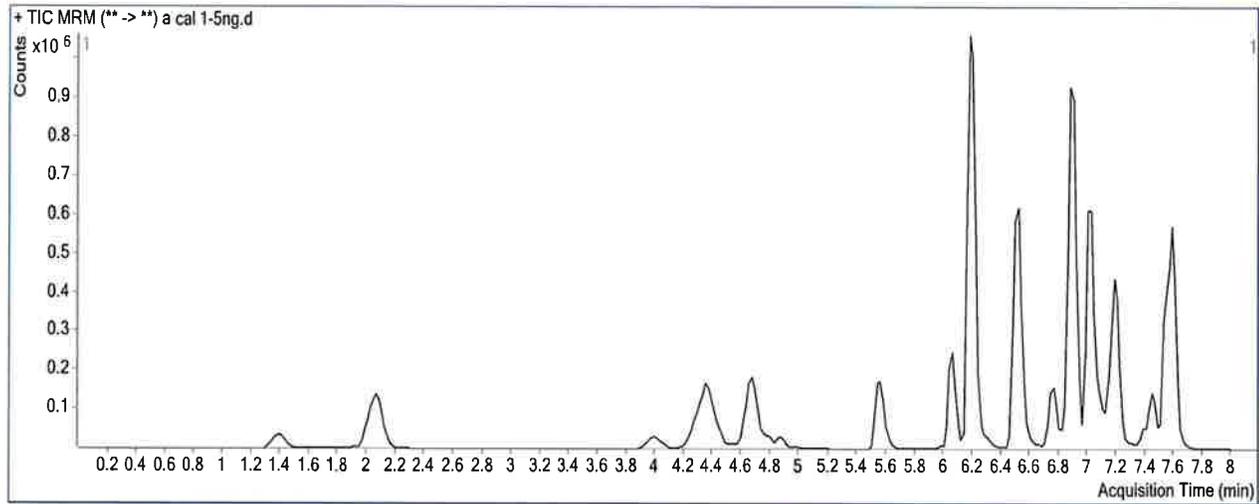
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wklst 2862 2863 TS\QuantResults\P1a MDQ TS.batch.bi
Analysis Time 1/7/2019 11:30 AM **Analyst Name** ISPUser
Report Time 1/7/2019 11:38 AM **Reporter Name** ISPUser
Last Calib Update 1/7/2019 11:30 AM **Batch State** Processed

Analysis Info

Acq Time 2019-01-02 15:15 **Data File** a cal 1-5ng.d
Sample Type Calibration **Sample Name** a cal 1-5ng.d
Dilution 1 **Acq Method** MD Quant Panel 1a 7-11-18.m
Position P1-A1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.389	24521	110018	0.2229	5.3025
Hydromorphone	Hydromorphone-D6	2.071	78471	709933	0.1105	5.2616
Codeine	Codeine-D6	4.037	10967	107368	0.1021	5.1736
Oxycodone	Oxycodone-D6	4.393	93881	816393	0.1150	5.1760
Amphetamine	Amphetamine-D11	4.447	145058	331775	0.4372	3.9946
Hydrocodone	Hydrocodone-D6	4.698	33142	451155	0.0735	5.0838
Norhydrocodone	Norhydrocodone-D3	4.701	2636	121717	0.0217	9.5857
Methamphetamine	Methamphetamine-D11	4.804	95355	463394	0.2058	5.3044
6-MAM	6-MAM-D6	4.892	1237	90403	0.0137	0.7226
Phentermine	Phentermine-D5	5.610	37260	758897	0.0491	4.2286
Dextrophan	Dextrophan-D3	6.067	44968	802774	0.0560	5.3135
7-aminoclonazepam	7-Aminoclonazepam-D4	6.199	66973	555816	0.1205	4.4204
Tramadol	Tramadol-13C-D3	6.207	300137	29043	10.3344	4.9632
Metoprolol	Tramadol-13C-D3	6.305	27995	29043	0.9639	5.1626
Doxylamine	Doxylamine-D5	6.526	165754	2205340	0.0752	5.1747
Bupropion	Bupropion-D9	6.795	62949	475443	0.1324	5.1498
Meprobamate	Meprobamate-D7	6.897	33418	285412	0.1171	4.9090
Zolpidem	Zolpidem-D6	6.905	253505	3138553	0.0808	5.1119
Venlafaxine	Venlafaxine-D6	7.030	253485	2021543	0.1254	5.2380
Trazodone	Trazodone-D6	7.120	48128	338875	0.1420	5.1103

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

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a cal 1-5ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.163	43981	492052	0.0894	5.2489
Dextromethorphan	Dextromethorphan-D3	7.194	12039	110568	0.1089	4.9279
Diphenhydramine	Diphenhydramine-D3	7.218	94555	967328	0.0977	5.0288
Promethazine	Promethazine-D3	7.413	16215	135822	0.1194	5.2828
Clonazepam	Clonazepam-D4	7.449	96955	197549	0.4908	5.0244
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.525	17102	192960	0.0886	5.2039
Carisoprodol	Carisoprodol-D7	7.558	84828	836619	0.1014	5.1444
Alprazolam	Alprazolam-D5	7.592	172129	1310620	0.1313	5.2170
Lorazepam	Clonazepam-D4	7.587	51097	197549	0.2587	4.8418

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ISP FORENSICS - Pocatello Instrument # 59740

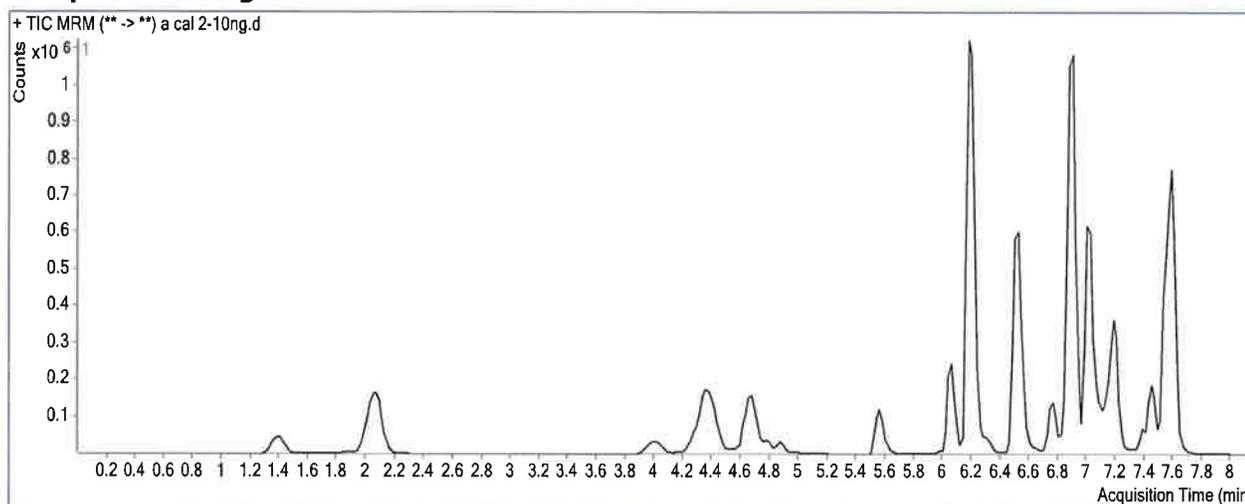
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wklst 2862 2863 TS\QuantResults\P1a MDQ TS.batch.bi
Analysis Time 1/7/2019 11:30 AM **Analyst Name** ISPUser
Report Time 1/7/2019 11:38 AM **Reporter Name** ISPUser
Last Calib Update 1/7/2019 11:30 AM **Batch State** Processed

Analysis Info

Acq Time 2019-01-02 15:46 **Data File** a cal 2-10ng.d
Sample Type Calibration **Sample Name** a cal 2-10ng.d
Dilution 1 **Acq Method** MD Quant Panel 1a 7-11-18.m
Position P1-B1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.410	49729	113175	0.4394	9.4430
Hydromorphone	Hydromorphone-D6	2.091	166102	730140	0.2275	9.3088
Codeine	Codeine-D6	4.037	22730	110747	0.2052	9.6658
Oxycodone	Oxycodone-D6	4.393	212861	845655	0.2517	9.6993
Amphetamine	Amphetamine-D11	4.427	155454	204759	0.7592	9.6538
Hydrocodone	Hydrocodone-D6	4.698	71600	477983	0.1498	9.3597
Norhydrocodone	Norhydrocodone-D3	4.721	4017	111638	0.0360	11.8299
Methamphetamine	Methamphetamine-D11	4.804	97149	261231	0.3719	9.0701
6-MAM	6-MAM-D6	4.892	2278	100258	0.0227	1.0356
Phentermine	Phentermine-D5	5.610	47034	486503	0.0967	8.5926
Dextrorphan	Dextrorphan-D3	6.067	76235	713733	0.1068	9.0775
7-aminoclonazepam	7-Aminoclonazepam-D4	6.199	130693	574794	0.2274	8.7904
Tramadol	Tramadol-13C-D3	6.207	585278	26398	22.1715	10.1384
Metoprolol	Tramadol-13C-D3	6.305	48608	26398	1.8414	9.3458
Doxylamine	Doxylamine-D5	6.526	278163	1927010	0.1443	9.3857
Bupropion	Bupropion-D9	6.795	97514	331878	0.2938	9.6783
Meprobamate	Meprobamate-D7	6.897	76292	297792	0.2562	9.9505
Zolpidem	Zolpidem-D6	6.905	577639	3382518	0.1708	9.8132
Venlafaxine	Venlafaxine-D6	7.030	431437	1750809	0.2464	9.3813
Trazodone	Trazodone-D6	7.120	93336	363388	0.2568	9.1475

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Multi-Drug Confirmatory Analysis Report

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a cal 2-10ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.163	74216	369048	0.2011	9.7023
Dextromethorphan	Dextromethorphan-D3	7.194	19868	79921	0.2486	10.2398
Diphenhydramine	Diphenhydramine-D3	7.218	147757	712514	0.2074	10.0391
Promethazine	Promethazine-D3	7.393	39540	152287	0.2596	9.6623
Clonazepam	Clonazepam-D4	7.449	221946	203706	1.0895	10.0350
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.525	42155	228639	0.1844	9.5869
Carisoprodol	Carisoprodol-D7	7.558	205199	923861	0.2221	9.7037
Alprazolam	Alprazolam-D5	7.592	411565	1502160	0.2740	9.5545
Lorazepam	Clonazepam-D4	7.567	109948	203706	0.5397	11.1591

B

ISP FORENSICS - Pocatello Instrument # 59740

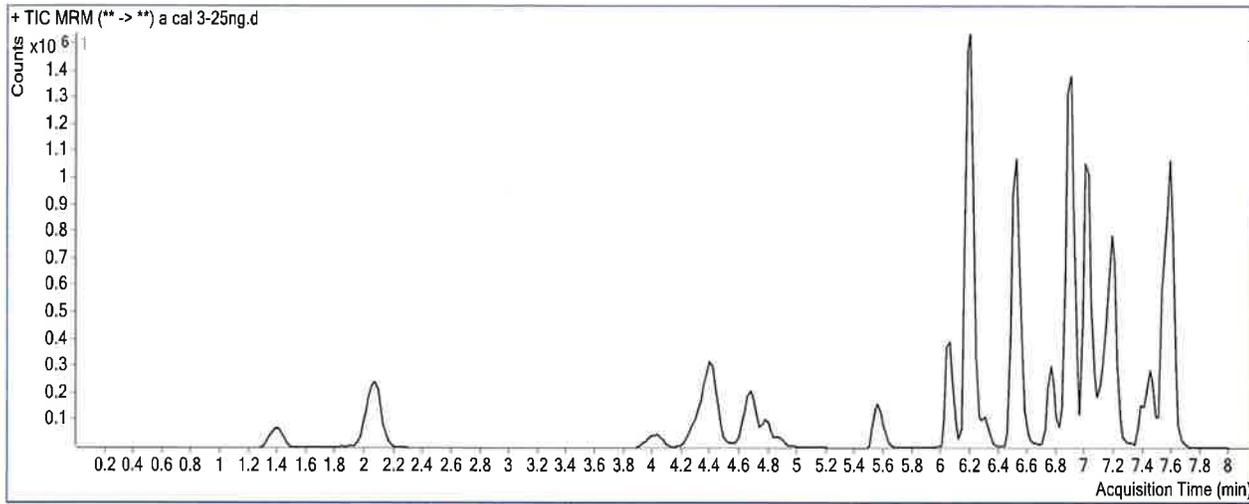
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wklist 2862 2863 TS\QuantResults\P1a MDQ TS.batch.bi
Analysis Time 1/7/2019 11:30 AM **Analyst Name** ISPUser
Report Time 1/7/2019 11:38 AM **Reporter Name** ISPUser
Last Calib Update 1/7/2019 11:30 AM **Batch State** Processed

Analysis Info

Acq Time 2019-01-02 16:18 **Data File** a cal 3-25ng.d
Sample Type Calibration **Sample Name** a cal 3-25ng.d
Dilution 1 **Acq Method** MD Quant Panel 1a 7-11-18.m
Position P1-C1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.410	121352	113918	1.0653	21.4111
Hydromorphone	Hydromorphone-D6	2.071	441062	710939	0.6204	22.9044
Codeine	Codeine-D6	4.037	58914	114819	0.5131	23.0802
Oxycodone	Oxycodone-D6	4.393	552009	838131	0.6586	23.1621
Amphetamine	Amphetamine-D11	4.427	584964	351881	1.6624	25.5279
Hydrocodone	Hydrocodone-D6	4.698	202573	483586	0.4189	24.4334
Norhydrocodone	Norhydrocodone-D3	4.721	12192	113015	0.1079	23.0933
Methamphetamine	Methamphetamine-D11	4.784	342605	346810	0.9879	23.0338
6-MAM	6-MAM-D6	4.912	5879	100534	0.0585	2.2732
Phentermine	Phentermine-D5	5.610	171971	657607	0.2615	23.7113
Dextroprhan	Dextroprhan-D3	6.067	258949	863229	0.3000	23.3914
7-aminoclonazepam	7-Aminoclonazepam-D4	6.199	396731	622563	0.6373	25.5497
Tramadol	Tramadol-13C-D3	6.207	1636331	29208	56.0235	24.9382
Metoprolol	Tramadol-13C-D3	6.305	141074	29208	4.8300	23.5940
Doxylamine	Doxylamine-D5	6.526	905174	2310747	0.3917	24.4416
Bupropion	Bupropion-D9	6.775	353490	444807	0.7947	23.7296
Meprobamate	Meprobamate-D7	6.897	201141	279331	0.7201	26.7627
Zolpidem	Zolpidem-D6	6.905	1418141	3320363	0.4271	23.2029
Venlafaxine	Venlafaxine-D6	7.010	1394169	2145215	0.6499	23.1938
Trazodone	Trazodone-D6	7.120	330357	456790	0.7232	25.5445

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

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a cal 3-25ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.163	286845	570024	0.5032	21.7452
Dextromethorphan	Dextromethorphan-D3	7.195	87910	138238	0.6359	24.9672
Diphenhydramine	Diphenhydramine-D3	7.218	570693	1116647	0.5111	23.9197
Promethazine	Promethazine-D3	7.393	180415	286308	0.6301	21.2310
Clonazepam	Clonazepam-D4	7.449	519214	184027	2.8214	24.5277
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.525	91075	192787	0.4724	22.7729
Carisoprodol	Carisoprodol-D7	7.558	495496	830706	0.5965	23.8429
Alprazolam	Alprazolam-D5	7.592	987904	1352786	0.7303	23.4287
Lorazepam	Clonazepam-D4	7.567	217650	184027	1.1827	25.6095

15

ISP FORENSICS - Pocatello Instrument # 59740

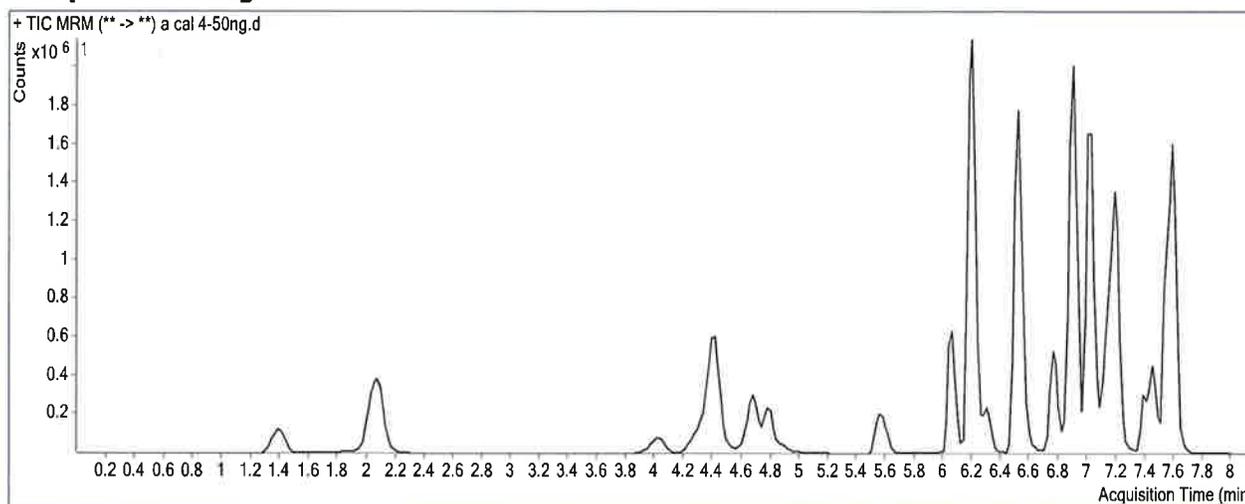
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wklst 2862 2863 TS\QuantResults\P1a MDQ TS.batch.bi
Analysis Time 1/7/2019 11:30 AM **Analyst Name** ISPUser
Report Time 1/7/2019 11:38 AM **Reporter Name** ISPUser
Last Calib Update 1/7/2019 11:30 AM **Batch State** Processed

Analysis Info

Acq Time 2019-01-02 16:49 **Data File** a cal 4-50ng.d
Sample Type Calibration **Sample Name** a cal 4-50ng.d
Dilution 1 **Acq Method** MD Quant Panel 1a 7-11-18.m
Position P1-D1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.410	248674	103432	2.4042	47.0165
Hydromorphone	Hydromorphone-D6	2.071	944368	692252	1.3642	48.6423
Codeine	Codeine-D6	4.037	120043	111765	1.0741	47.5227
Oxycodone	Oxycodone-D6	4.393	1127446	818316	1.3778	46.9555
Amphetamine	Amphetamine-D11	4.427	1316303	389582	3.3788	55.6942
Hydrocodone	Hydrocodone-D6	4.678	418216	479392	0.8724	49.8357
Norhydrocodone	Norhydrocodone-D3	4.721	28725	122805	0.2339	42.8391
Methamphetamine	Methamphetamine-D11	4.784	829300	380182	2.1813	50.0879
6-MAM	6-MAM-D6	4.892	13312	94305	0.1412	5.1349
Phentermine	Phentermine-D5	5.610	405421	695541	0.5829	53.1883
Dextrophan	Dextrophan-D3	6.067	568809	895223	0.6354	48.2455
7-aminoclonazepam	7-Aminoclonazepam-D4	6.199	810856	606591	1.3367	54.1502
Tramadol	Tramadol-13C-D3	6.207	3319535	29817	111.3309	49.1181
Metoprolol	Tramadol-13C-D3	6.305	327446	29817	10.9819	52.9234
Doxylamine	Doxylamine-D5	6.526	1923816	2430970	0.7914	48.7657
Bupropion	Bupropion-D9	6.775	813589	496206	1.6396	47.4322
Meprobamate	Meprobamate-D7	6.897	371987	260666	1.4271	52.3853
Zolpidem	Zolpidem-D6	6.905	2948142	3216419	0.9166	48.7717
Venlafaxine	Venlafaxine-D6	7.010	3120409	2283706	1.3664	47.7218
Trazodone	Trazodone-D6	7.120	741027	460489	1.6092	56.6954

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a cal 4-50ng

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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.163	727917	653513	1.1139	46.0865
Dextromethorphan	Dextromethorphan-D3	7.194	230744	170289	1.3550	52.3080
Diphenhydramine	Diphenhydramine-D3	7.218	1455524	1333769	1.0913	50.4377
Promethazine	Promethazine-D3	7.393	489123	352617	1.3871	44.8675
Clonazepam	Clonazepam-D4	7.449	988060	175063	5.6440	48.1483
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.525	197341	187856	1.0505	49.2368
Carisoprodol	Carisoprodol-D7	7.558	960408	770698	1.2462	48.3802
Alprazolam	Alprazolam-D5	7.592	1910272	1298468	1.4712	45.9569
Lorazepam	Clonazepam-D4	7.567	412742	175063	2.3577	52.0164

TS

ISP FORENSICS - Pocatello Instrument # 59740

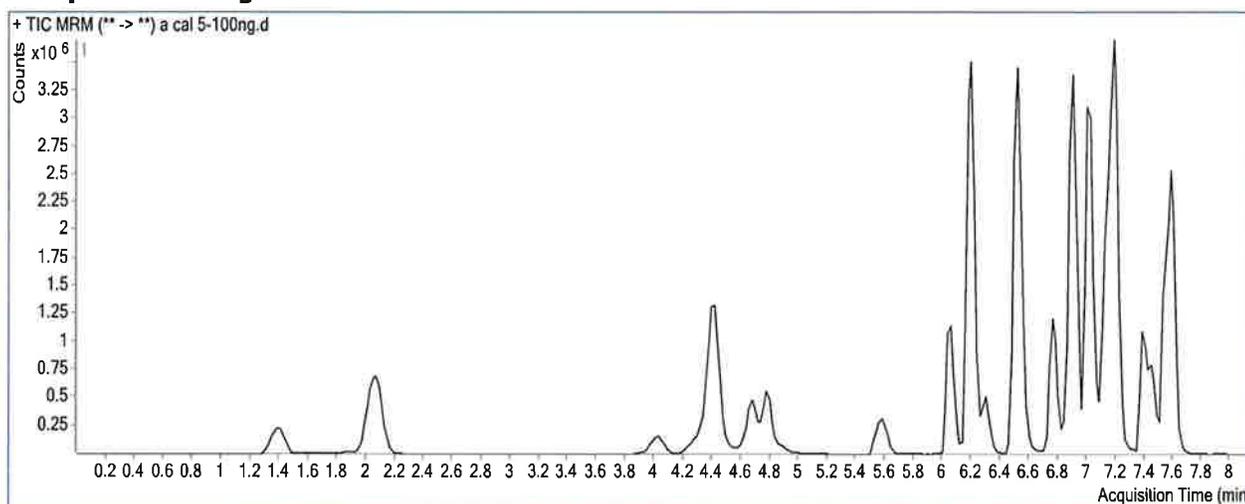
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wklst 2862 2863 TS\QuantResults\P1a MDQ TS.batch.bi
Analysis Time 1/7/2019 11:30 AM **Analyst Name** ISPUser
Report Time 1/7/2019 11:38 AM **Reporter Name** ISPUser
Last Calib Update 1/7/2019 11:30 AM **Batch State** Processed

Analysis Info

Acq Time 2019-01-02 17:21 **Data File** a cal 5-100ng.d
Sample Type Calibration **Sample Name** a cal 5-100ng.d
Dilution 1 **Acq Method** MD Quant Panel 1a 7-11-18.m
Position P1-E1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.410	530695	102387	5.1832	100.1592
Hydromorphone	Hydromorphone-D6	2.071	2008076	702469	2.8586	100.3532
Codeine	Codeine-D6	4.037	263148	111794	2.3539	103.2865
Oxycodone	Oxycodone-D6	4.393	2511895	847927	2.9624	99.3842
Amphetamine	Amphetamine-D11	4.427	3086418	493910	6.2490	106.1398
Hydrocodone	Hydrocodone-D6	4.678	910399	503179	1.8093	102.3164
Norhydrocodone	Norhydrocodone-D3	4.721	71099	123133	0.5774	96.6560
Methamphetamine	Methamphetamine-D11	4.784	1870869	432151	4.3292	98.7780
6-MAM	6-MAM-D6	4.892	26777	99414	0.2694	9.5716
Phentermine	Phentermine-D5	5.610	960813	828114	1.1602	106.1439
Dextrophan	Dextrophan-D3	6.067	1310922	1013972	1.2929	96.9656
7-aminoclonazepam	7-Aminoclonazepam-D4	6.199	1616479	616451	2.6222	106.7115
Tramadol	Tramadol-13C-D3	6.207	7304330	31132	234.6228	103.0204
Metoprolol	Tramadol-13C-D3	6.305	715631	31132	22.9868	110.1568
Doxylamine	Doxylamine-D5	6.526	4454588	2688459	1.6569	101.4456
Bupropion	Bupropion-D9	6.775	2103377	601221	3.4985	99.5801
Meprobamate	Meprobamate-D7	6.897	711535	247445	2.8755	104.8809
Zolpidem	Zolpidem-D6	6.905	6561937	3372721	1.9456	102.5224
Venlafaxine	Venlafaxine-D6	7.010	7214848	2504456	2.8808	99.5663
Trazodone	Trazodone-D6	7.120	2411108	799495	3.0158	106.1491

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

TS

a cal 5-100ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.163	2389834	1039889	2.2982	93.2956
Dextromethorphan	Dextromethorphan-D3	7.194	812853	321123	2.5313	97.0315
Diphenhydramine	Diphenhydramine-D3	7.218	4527160	2148343	2.1073	96.8730
Promethazine	Promethazine-D3	7.393	2364668	775868	3.0478	96.7204
Clonazepam	Clonazepam-D4	7.449	1859831	155627	11.9506	100.9239
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.525	378414	182171	2.0772	96.2406
Carisoprodol	Carisoprodol-D7	7.558	1756505	704675	2.4926	95.4583
Alprazolam	Alprazolam-D5	7.612	3715908	1187970	3.1279	96.3336
Lorazepam	Clonazepam-D4	7.567	636451	155627	4.0896	90.9410

TS

ISP FORENSICS - Pocatello Instrument # 59740

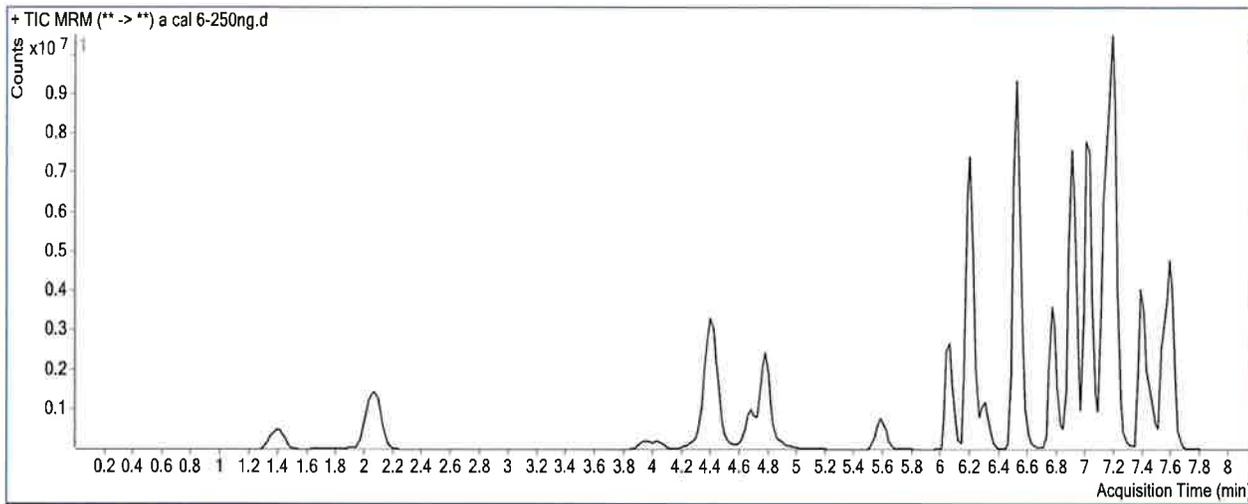
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wklst 2862 2863 TS\QuantResults\P1a MDQ TS.batch.bi
Analysis Time 1/7/2019 11:30 AM **Analyst Name** ISPUser
Report Time 1/7/2019 11:38 AM **Reporter Name** ISPUser
Last Calib Update 1/7/2019 11:30 AM **Batch State** Processed

Analysis Info

Acq Time 2019-01-02 17:52 **Data File** a cal 6-250ng.d
Sample Type Calibration **Sample Name** a cal 6-250ng.d
Dilution 1 **Acq Method** MD Quant Panel 1a 7-11-18.m
Position P1-F1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.410	1323412	96765	13.6766	262.5769
Hydromorphone	Hydromorphone-D6	2.071	4972832	659071	7.5452	262.5250
Codeine	Codeine-D6	3.958	647493	35137	18.4275	803.6527
Oxycodone	Oxycodone-D6	4.393	6550393	876435	7.4739	248.6508
Amphetamine	Amphetamine-D11	4.407	8937904	604525	14.7850	256.1667
Hydrocodone	Hydrocodone-D6	4.678	2303462	490527	4.6959	264.0091
Norhydrocodone	Norhydrocodone-D3	4.721	182397	114526	1.5926	255.7099
Methamphetamine	Methamphetamine-D11	4.784	8775276	747908	11.7331	266.6161
6-MAM	6-MAM-D6	4.892	64941	96222	0.6749	23.6083
Phentermine	Phentermine-D5	5.590	2989941	1030574	2.9012	265.8298
Dextrophan	Dextrophan-D3	6.067	3570843	1046346	3.4127	254.0479
7-aminoclonazepam	7-Aminoclonazepam-D4	6.199	3512365	529042	6.6391	270.9530
Tramadol	Tramadol-13C-D3	6.207	19295079	29783	647.8572	283.6832
Metoprolol	Tramadol-13C-D3	6.305	1750656	29783	58.7806	280.8036
Doxylamine	Doxylamine-D5	6.526	12661537	2829269	4.4752	272.9732
Bupropion	Bupropion-D9	6.775	6781212	721521	9.3985	265.0938
Meprobamate	Meprobamate-D7	6.897	1518108	215877	7.0323	255.5308
Zolpidem	Zolpidem-D6	6.905	17616970	3306016	5.3288	279.2451
Venlafaxine	Venlafaxine-D6	7.010	20886408	2561722	8.1533	280.0631
Trazodone	Trazodone-D6	7.120	8197416	1098044	7.4655	262.5954

TS

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

a cal 6-250ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.163	7846470	1218706	6.4384	258.3327
Dextromethorphan	Dextromethorphan-D3	7.174	2865035	443956	6.4534	246.1578
Diphenhydramine	Diphenhydramine-D3	7.218	16105582	2745677	5.8658	268.6536
Promethazine	Promethazine-D3	7.393	10054432	1221365	8.2321	258.5995
Clonazepam	Clonazepam-D4	7.449	3464586	115351	30.0351	252.2605
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.525	775391	140371	5.5239	254.0236
Carisoprodol	Carisoprodol-D7	7.558	3641768	563495	6.4628	245.4061
Alprazolam	Alprazolam-D5	7.612	8136825	982128	8.2849	253.1383
Lorazepam	Clonazepam-D4	7.567	1110402	115351	9.6263	215.3752

TS

ISP FORENSICS - Pocatello Instrument # 59740

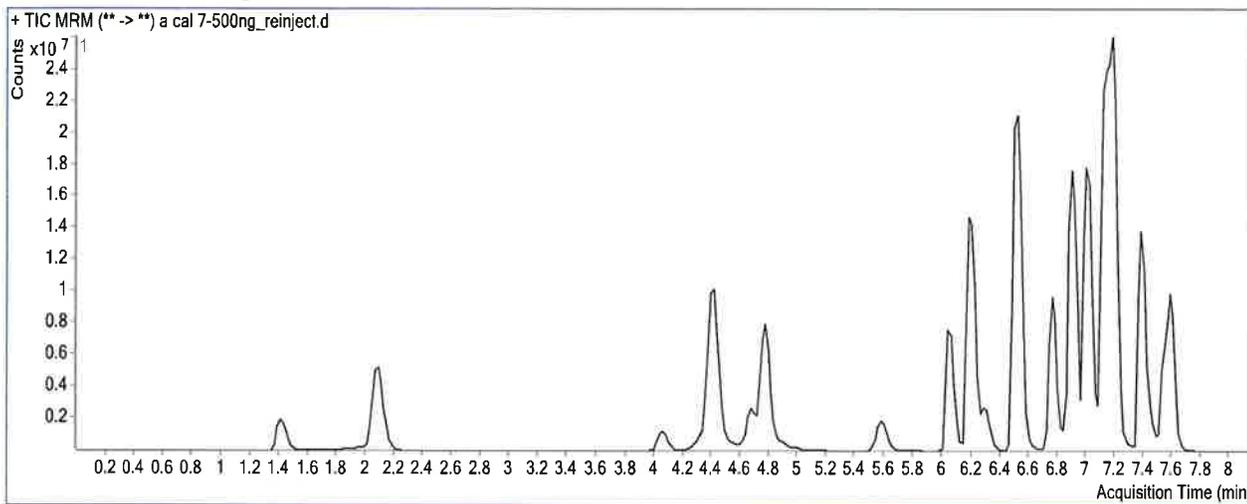
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wklst 2862 2863 TS\QuantResults\P1a MDQ TS.batch.bi
Analysis Time 1/7/2019 11:30 AM **Analyst Name** ISPUser
Report Time 1/7/2019 11:41 AM **Reporter Name** ISPUser
Last Calib Update 1/7/2019 11:30 AM **Batch State** Processed

Analysis Info

Acq Time 2019-01-03 08:51 **Data File** a cal 7-500ng_reinject.d
Sample Type Calibration **Sample Name** a cal 7-500ng_reinject.d
Dilution 1 **Acq Method** MD Quant Panel 1a 7-11-18.m
Position P1-G1 **Sample Info**
Inj Vol -1 **Comment** AM 28 *Calibrator was re injected due to poor ISTD response in initial injection. TS

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.410	3541793	130351	27.1711	520.6333
Hydromorphone	Hydromorphone-D6	2.091	13762581	924478	14.8869	516.5690
Codeine	Codeine-D6	4.057	1632820	137290	11.8932	518.9380
Oxycodone	Oxycodone-D6	4.393	20705150	1284141	16.1237	534.8365
Amphetamine	Amphetamine-D11	4.427	22399192	959102	23.3543	406.7784
Hydrocodone	Hydrocodone-D6	4.678	6528030	719696	9.0705	509.0550
Norhydrocodone	Norhydrocodone-D3	4.721	501815	146670	3.4214	542.2225
Methamphetamine	Methamphetamine-D11	4.784	28515490	1252019	22.7756	516.9374
6-MAM	6-MAM-D6	4.892	219199	144156	1.5206	52.8769
Phentermine	Phentermine-D5	5.590	8420988	1467005	5.7403	526.2275
Dextrophan	Dextrophan-D3	6.047	10719578	1507542	7.1106	528.0727
7-aminoclonazepam	7-Aminoclonazepam-D4	6.199	6818846	544492	12.5233	511.5464
Tramadol	Tramadol-13C-D3	6.184	48653075	50179	969.5952	424.3445
Metoprolol	Tramadol-13C-D3	6.305	4235160	50179	84.4015	402.9514
Doxylamine	Doxylamine-D5	6.526	38233869	4379328	8.7305	531.9648
Bupropion	Bupropion-D9	6.775	17948322	975270	18.4034	517.7114
Meprobamate	Meprobamate-D7	6.877	3260473	248910	13.0990	475.4009
Zolpidem	Zolpidem-D6	6.905	48033860	4624987	10.3857	543.4001
Venlafaxine	Venlafaxine-D6	7.010	55080248	3718101	14.8141	508.0883
Trazodone	Trazodone-D6	7.120	27072136	1997682	13.5518	476.5839

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

TS

a cal 7-500ng-reinject

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.142	22062959	1594272	13.8389	553.3337
Dextromethorphan	Dextromethorphan-D3	7.174	9270035	717893	12.9128	491.7556
Diphenhydramine	Diphenhydramine-D3	7.218	47206179	4137434	11.4095	522.0262
Promethazine	Promethazine-D3	7.393	37566563	2122831	17.6964	554.1184
Clonazepam	Clonazepam-D4	7.449	5271122	87269	60.4009	506.3722
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.525	1598434	142741	11.1981	513.7863
Carisoprodol	Carisoprodol-D7	7.558	7473700	527627	14.1647	536.2958
Alprazolam	Alprazolam-D5	7.592	18602167	1077120	17.2703	526.3522
Lorazepam	Clonazepam-D4	7.567	2100810	87269	24.0728	540.0571

TS

ISP FORENSICS - Pocatello Instrument # 59740

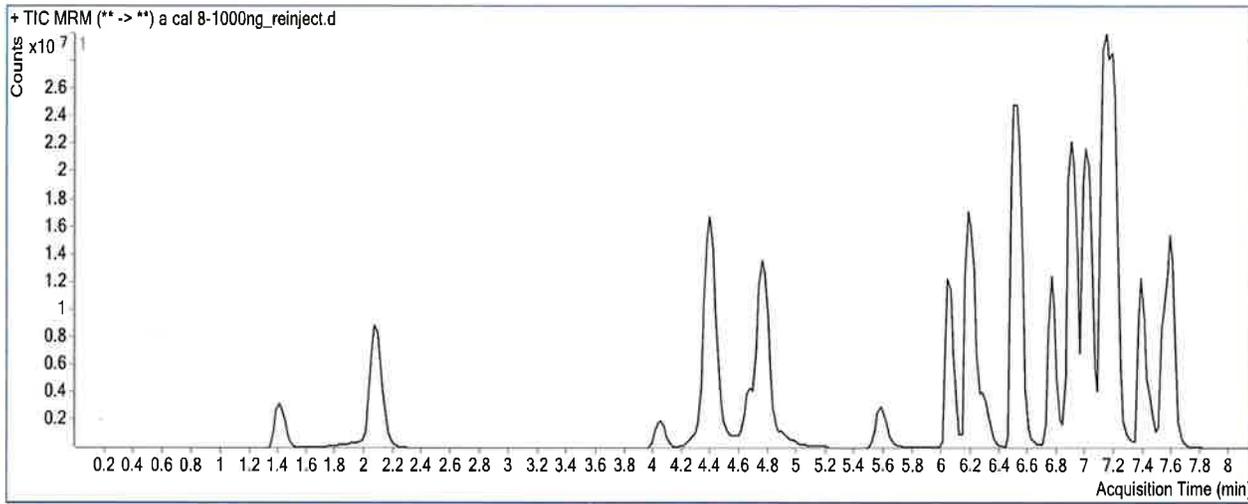
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wkst 2862 2863 TS\QuantResults\P1a MDQ TS.batch.bi
Analysis Time 1/7/2019 11:30 AM **Analyst Name** ISPUser
Report Time 1/7/2019 11:41 AM **Reporter Name** ISPUser
Last Calib Update 1/7/2019 11:30 AM **Batch State** Processed

Analysis Info

Acq Time 2019-01-03 09:06 **Data File** a cal 8-1000ng_reinject.d
Sample Type Calibration **Sample Name** a cal 8-1000ng_reinject.d
Dilution 1 **Acq Method** MD Quant Panel 1a 7-11-18.m
Position P1-H1 **Sample Info** AM 28 ** Calibrator was reinjected due to poor ITSD response in initial injection. -D*
Inj Vol -1 **Comment**

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.410	6248075	108205	57.7429	1105.2567
Hydromorphone	Hydromorphone-D6	2.071	24167854	804457	30.0425	1040.9999
Codeine	Codeine-D6	4.057	2706295	111925	24.1796	1054.2883
Oxycodone	Oxycodone-D6	4.393	39791135	1230626	32.3341	1071.1666
Amphetamine	Amphetamine-D11	4.407	35500126	917833	38.6782	676.1053
Hydrocodone	Hydrocodone-D6	4.678	11380714	653878	17.4049	975.9068
Norhydrocodone	Norhydrocodone-D3	4.721	672497	110157	6.1049	962.6493
Methamphetamine	Methamphetamine-D11	4.764	57169347	1270265	45.0058	1020.8725
6-MAM	6-MAM-D6	4.892	396332	128600	3.0819	106.9157
Phentermine	Phentermine-D5	5.590	14273051	1375750	10.3747	951.3067
Dextrophan	Dextrophan-D3	6.047	17918212	1222819	14.6532	1086.9894
7-aminoclonazepam	7-Aminoclonazepam-D4	6.199	8686323	370588	23.4393	957.8785
Tramadol	Tramadol-13C-D3	6.184	65756915	48267	1362.3502	596.0539
Metoprolol	Tramadol-13C-D3	6.285	6060800	48267	125.5675	599.2106
Doxylamine	Doxylamine-D5	6.526	57580912	3882541	14.8307	903.2397
Bupropion	Bupropion-D9	6.775	22637027	627923	36.0506	1012.7725
Meprobamate	Meprobamate-D7	6.877	4795365	196925	24.3512	883.2062
Zolpidem	Zolpidem-D6	6.905	66005422	3995899	16.5183	863.7396
Venlafaxine	Venlafaxine-D6	7.010	71054116	3000376	23.6817	811.6624
Trazodone	Trazodone-D6	7.120	35418105	1478312	23.9585	842.4729

TS

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report *a cal 8-1000ng - reinject*

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.142	27332897	978228	27.9412	1115.4826
Dextromethorphan	Dextromethorphan-D3	7.174	10494347	396496	26.4677	1007.1354
Diphenhydramine	Diphenhydramine-D3	7.218	57261770	2793575	20.4977	937.3934
Promethazine	Promethazine-D3	7.393	33411033	932117	35.8442	1120.7746
Clonazepam	Clonazepam-D4	7.449	7358034	60628	121.3631	1016.5239
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.525	2793416	116503	23.9771	1098.7954
Carisoprodol	Carisoprodol-D7	7.558	11859580	418879	28.3127	1070.6428
Alprazolam	Alprazolam-D5	7.612	30249076	824873	36.6712	1116.2667
Lorazepam	Clonazepam-D4	7.567	3543179	60628	58.4411	1312.4702

TS

ISP FORENSICS - Pocatello Instrument # 59740

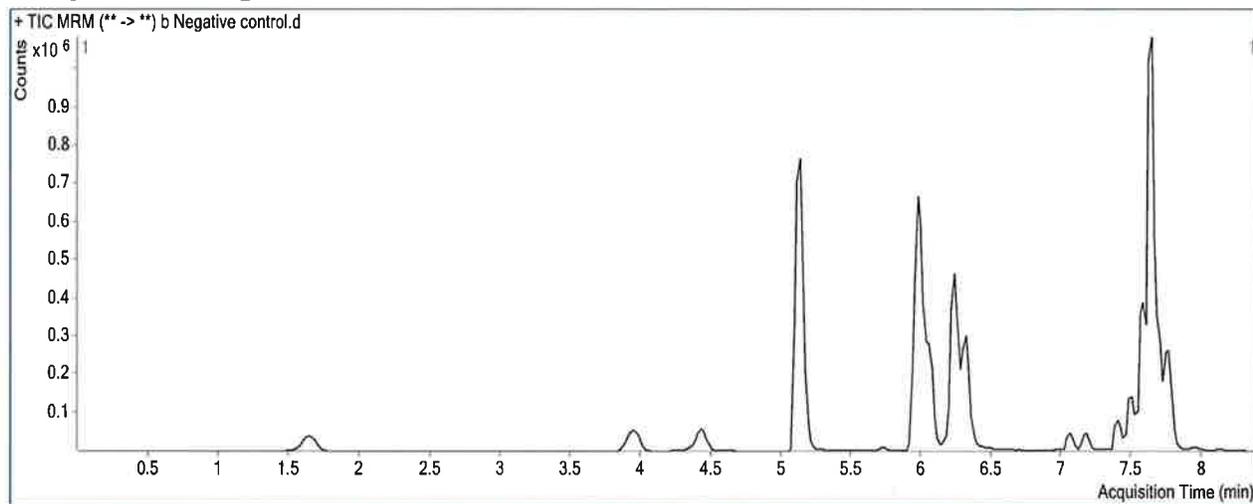
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wk1st 2862 2863 TS\QuantResults\P1b MDQ
Analysis Time 1/7/2019 11:59 AM **Analyst Name** ISPUser
Report Time 1/7/2019 12:02 PM **Reporter Name** ISPUser
Last Calib Update 1/7/2019 11:59 AM **Batch State** Processed

Analysis Info

Acq Time 2019-01-02 20:45 **Data File** b Negative control.d
Sample Type Sample **Sample Name** b Negative control.d
Dilution 1 **Acq Method** MD Quant Panel 1b 7-11-18.m
Position P1-E2 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



TS

ISP FORENSICS - Pocatello Instrument # 59740

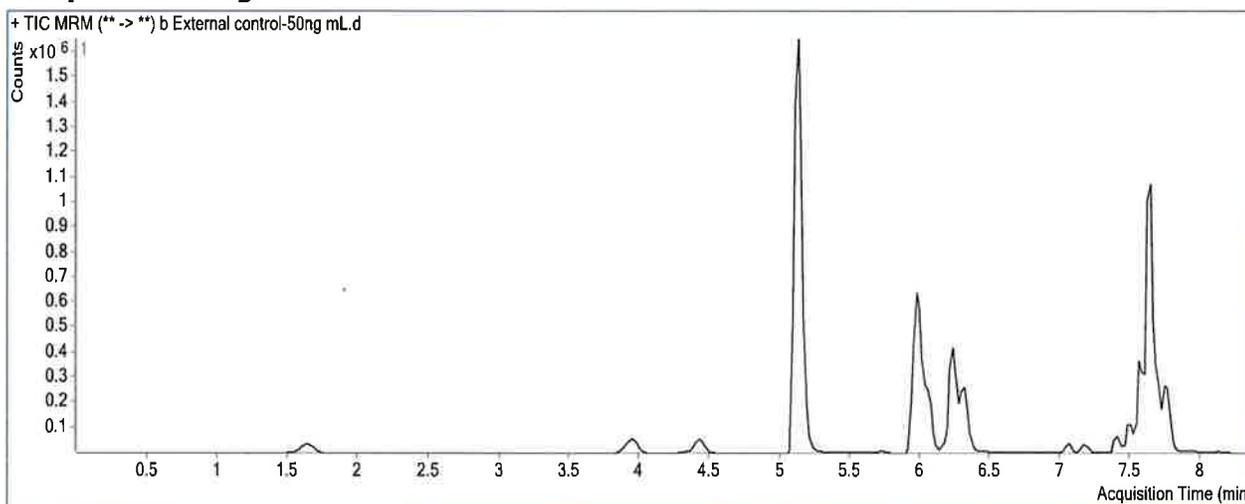
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wklist 2862 2863 TS\QuantResults\P1b MDQ TS.batch.bi
Analysis Time 1/7/2019 11:59 AM **Analyst Name** ISPUser
Report Time 1/7/2019 12:02 PM **Reporter Name** ISPUser
Last Calib Update 1/7/2019 11:59 AM **Batch State** Processed

Analysis Info

Acq Time 2019-01-02 21:17 **Data File** b External control-50ng mL.d
Sample Type Sample **Sample Name** b External control-50ng mL.d
Dilution 1 **Acq Method** MD Quant Panel 1b 7-11-18.m
Position P1-F2 **Sample Info**
Inj Vol -1 **Comment** AM 28; WS121218 50 ng Fluoxetine, O-desmethyl Tramadol, Amphetamir

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
<u>O-desmethyl-tramadol</u>	O-desmethyl-tramadol-D6	5.140	3523717	3239599	1.0877	<u>49.2715</u>
<u>Fluoxetine</u>	Fluoxetine-D6	7.542	62820	40971	1.5333	<u>61.0207</u>

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

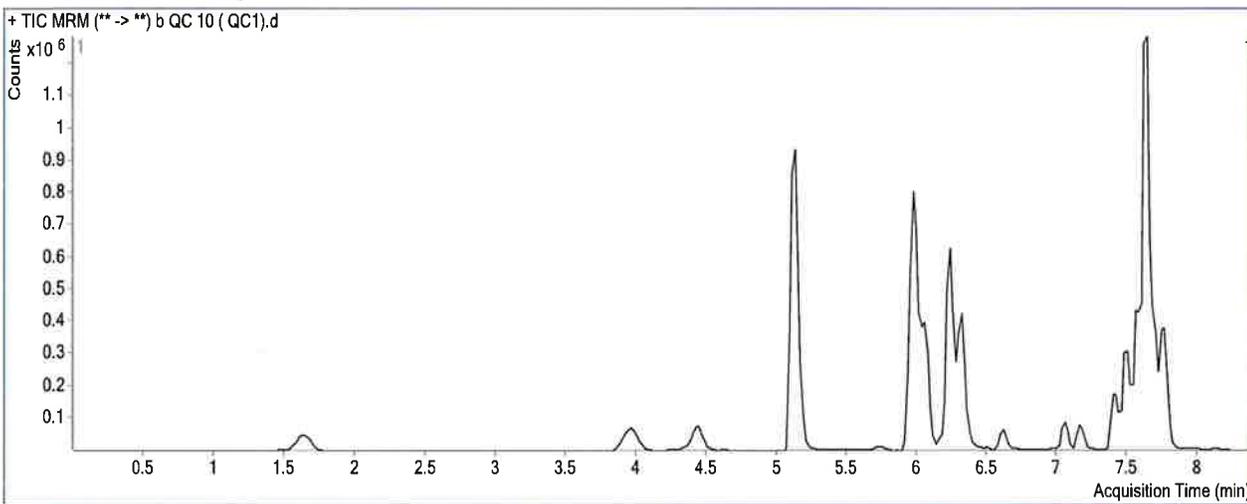
TS

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wkst 2862 2863 TS\QuantResults\P1b MDQ TS.batch.bi
Analysis Time 1/7/2019 11:59 AM **Analyst Name** ISPUser
Report Time 1/7/2019 12:02 PM **Reporter Name** ISPUser
Last Calib Update 1/7/2019 11:59 AM **Batch State** Processed

Analysis Info

Acq Time 2019-01-02 22:20 **Data File** b QC 10 (QC1).d
Sample Type QC **Sample Name** b QC 10 (QC1).d
Dilution 1 **Acq Method** MD Quant Panel 1b 7-11-18.m
Position P1-A2 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.648	72702	309308	0.2350	9.1878
Dihydrocodeine	Dihydrocodeine-D6	4.010	67101	377174	0.1779	11.1779 <i>Not evaluated TS</i>
Noroxycodone	Noroxycodone-D3	4.458	95621	350034	0.2732	9.9228
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.140	681665	3290268	0.2072	10.1200
Benzoylcegonine	Benzoylcegonine-d8	5.751	7451	33883	0.2199	13.4545
Ketamine	Ketamine-D4	5.982	341719	1417542	0.2411	9.9791
Norfentanyl	Norfentanyl-D5	6.024	29300	1701565	0.0172	1.3265 <i>outside curve range. TS</i>
Cocaine	Cocaine-d3	6.232	150755	1850604	0.0815	9.8372
alpha-PVP	alpha-PVP-d8	6.328	220495	1169925	0.1885	9.8264
Mirtazapine	alpha-PVP-d8	6.624	139112	1169925	0.1189	21.2733 <i>outside curve range. TS</i>
Fentanyl	Fentanyl-D5	7.079	5578	296565	0.0188	0.9700
Mitragynine	Methadone-D9	7.156	26085	712358	0.0366	9.6482
EDDP	EDDP-D3	7.188	31407	187150	0.1678	10.0629
Quetiapine	Quetiapine-D8	7.418	261498	278517	0.9389	10.8497
Cyclobenzaprine	Cyclobenzaprine-D3	7.472	20115	76672	0.2624	10.6434
Methadone	Methadone-D9	7.502	197777	712358	0.2776	10.3291
Fluoxetine	Fluoxetine-D6	7.542	61675	190358	0.3240	16.3531 <i>outside curve range. TS</i>
Oxazepam	Oxazepam-D5	7.588	172575	984250	0.1753	10.0290
Sertraline	Sertraline-D3	7.604	17866	80856	0.2210	11.1046 <i>Not evaluated TS</i>

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

TS

b QC10 (QC1)

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Temazepam	Temazepam-D5	7.647	627858	3114577	0.2016	10.0719
Buprenorphine	Buprenorphine-D4	7.677	5549	178487	0.0311	1.9645 <i>outside curve range. TS</i>
Nordiazepam	Nordiazepam-D5	7.715	284393	760252	0.3741	10.3904
Diazepam	Diazepam-D5	7.771	182025	776271	0.2345	10.7484

TS

ISP FORENSICS - Pocatello Instrument # 59740

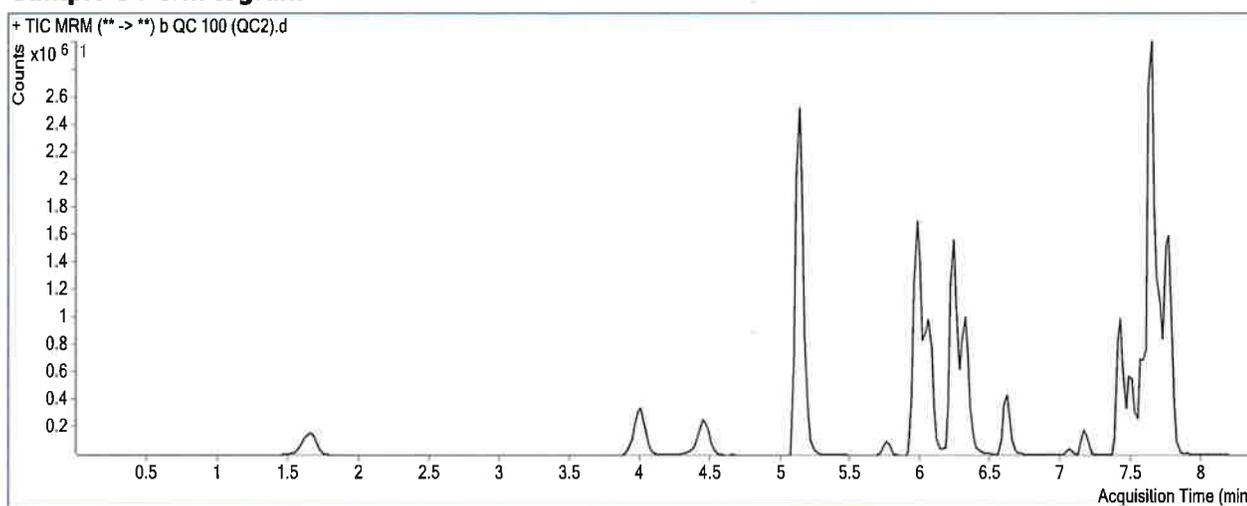
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wkst 2862 2863 TS\QuantResults\P1b MDQ TS.batch.bi
Analysis Time 1/7/2019 11:59 AM **Analyst Name** ISPUser
Report Time 1/7/2019 12:02 PM **Reporter Name** ISPUser
Last Calib Update 1/7/2019 11:59 AM **Batch State** Processed

Analysis Info

Acq Time 2019-01-03 00:25 **Data File** b QC 100 (QC2).d
Sample Type QC **Sample Name** b QC 100 (QC2).d
Dilution 1 **Acq Method** MD Quant Panel 1b 7-11-18.m
Position P1-B2 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.668	795530	291199	2.7319	94.2562
Dihydrocodeine	Dihydrocodeine-D6	4.010	749706	375312	1.9976	84.9729 <i>Not evaluated.</i>
Noroxycodone	Noroxycodone-D3	4.458	967953	315332	3.0696	101.8802
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.140	6997217	3193182	2.1913	98.3417
Benzoylcegonine	Benzoylcegonine-d8	5.751	118648	32136	3.6921	223.5206
Ketamine	Ketamine-D4	5.982	3450600	1337766	2.5794	99.3152
Norfentanyl	Norfentanyl-D5	6.024	323443	1532440	0.2111	9.4935
Cocaine	Cocaine-d3	6.232	1289034	1571672	0.8202	93.7841
alpha-PVP	alpha-PVP-d8	6.328	1655906	929289	1.7819	93.6021
Mirtazapine	alpha-PVP-d8	6.624	957075	929289	1.0299	61.2946
Norbuprenorphine	Norbuprenorphine-D3	6.974	1679	10925	0.1536	7.5411
Fentanyl	Fentanyl-D5	7.059	19557	120650	0.1621	8.2709
Mitragynine	Methadone-D9	7.156	126528	317575	0.3984	92.4224
EDDP	EDDP-D3	7.168	251794	108546	2.3197	97.3695
Quetiapine	Quetiapine-D8	7.418	2193701	218953	10.0191	109.4477
Cyclobenzaprine	Cyclobenzaprine-D3	7.472	80761	29134	2.7721	104.2751
Methadone	Methadone-D9	7.502	999710	317575	3.1480	100.5480
Fluoxetine	Fluoxetine-D6	7.542	152740	64092	2.3832	92.4117
Oxazepam	Oxazepam-D5	7.588	1024245	527372	1.9422	99.6238

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

TS

b QC 100 (QC2)

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.604	43298	22352	1.9371	89.5358 Not evaluated TS
Temazepam	Temazepam-D5	7.647	5397315	2655421	2.0326	90.3361
Buprenorphine	Buprenorphine-D4	7.677	28343	80385	0.3526	8.6493
Nordiazepam	Nordiazepam-D5	7.715	2364250	616150	3.8371	96.4543
Diazepam	Diazepam-D5	7.771	1877169	761178	2.4661	93.4265

TS

ISP FORENSICS - Pocatello Instrument # 59740

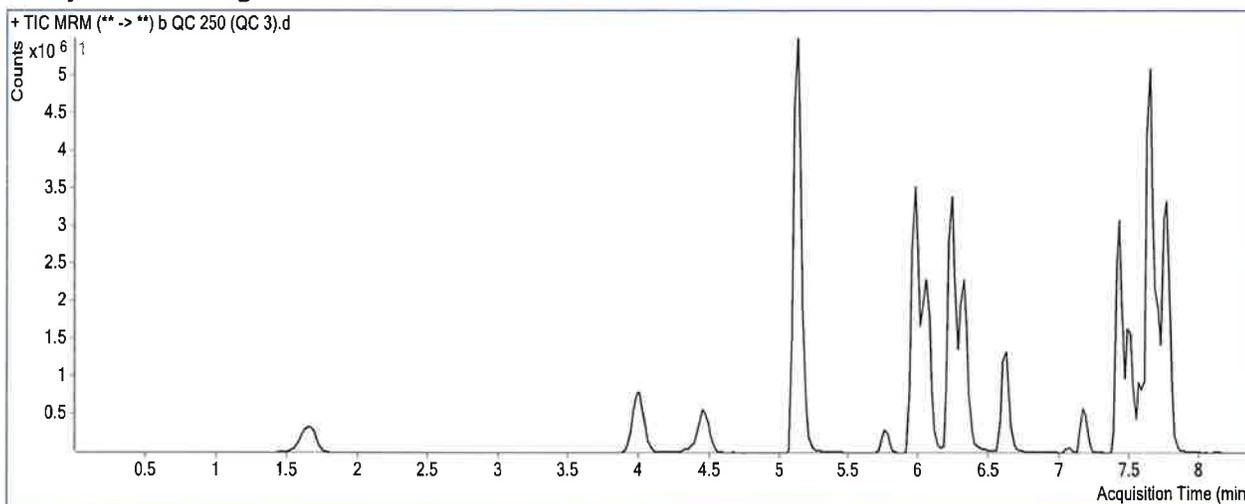
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wklist 2862 2863 TS\QuantResults\P1b MDQ TS.batch.bi
Analysis Time 1/7/2019 11:59 AM **Analyst Name** ISUser
Report Time 1/7/2019 12:02 PM **Reporter Name** ISUser
Last Calib Update 1/7/2019 11:59 AM **Batch State** Processed

Analysis Info

Acq Time 2019-01-03 02:47 **Data File** b QC 250 (QC 3).d
Sample Type QC **Sample Name** b QC 250 (QC 3).d
Dilution 1 **Acq Method** MD Quant Panel 1b 7-11-18.m
Position P1-C2 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.668	2036746	279335	7.2914	249.5984
Dihydrocodeine	Dihydrocodeine-D6	4.010	1923375	372400	5.1648	213.4201 <i>Not evaluated TS</i>
Noroxycodone	Noroxycodone-D3	4.458	2404269	291046	8.2608	272.5835
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.140	18759187	3175892	5.9067	263.5446
Benzoylcegonine	Benzoylcegonine-d8	5.751	368851	32443	11.3691	687.9767
Ketamine	Ketamine-D4	5.982	9140901	1363958	6.7017	256.8118
Norfentanyl	Norfentanyl-D5	6.024	916789	1572187	0.5831	25.1692
Cocaine	Cocaine-d3	6.232	3419599	1588686	2.1525	245.1880
alpha-PVP	alpha-PVP-d8	6.328	4555848	988740	4.6077	242.1712
Mirtazapine	alpha-PVP-d8	6.624	2997835	988740	3.0320	149.2491
Norbuprenorphine	Norbuprenorphine-D3	6.974	4893	11166	0.4382	20.3307
Fentanyl	Fentanyl-D5	7.059	63207	151679	0.4167	21.2439
Mitragynine	Methadone-D9	7.156	430902	393600	1.0948	251.7360
EDDP	EDDP-D3	7.168	904437	139553	6.4809	266.1997
Quetiapine	Quetiapine-D8	7.418	7010752	268979	26.0643	283.6774
Cyclobenzaprine	Cyclobenzaprine-D3	7.472	234889	29000	8.0995	303.0286
Methadone	Methadone-D9	7.502	3246443	393600	8.2481	260.8536
Fluoxetine	Fluoxetine-D6	7.542	340424	52281	6.5114	244.8973
Oxazepam	Oxazepam-D5	7.568	1468062	296300	4.9546	252.3843

TS

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report *b GC 250 (QC3)*

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc	
Sertraline	Sertraline-D3	7.604	70014	14919	4.6928	215.4728	<i>Not evaluated TS</i>
Temazepam	Temazepam-D5	7.647	10918739	1913184	5.7071	251.4159	
Buprenorphine	Buprenorphine-D4	7.677	89233	89873	0.9929	21.9623	
Nordiazepam	Nordiazepam-D5	7.715	4397187	438083	10.0373	250.5420	
Diazepam	Diazepam-D5	7.771	4445817	667241	6.6630	248.9109	

TS

ISP FORENSICS - Pocatello Instrument # 59740

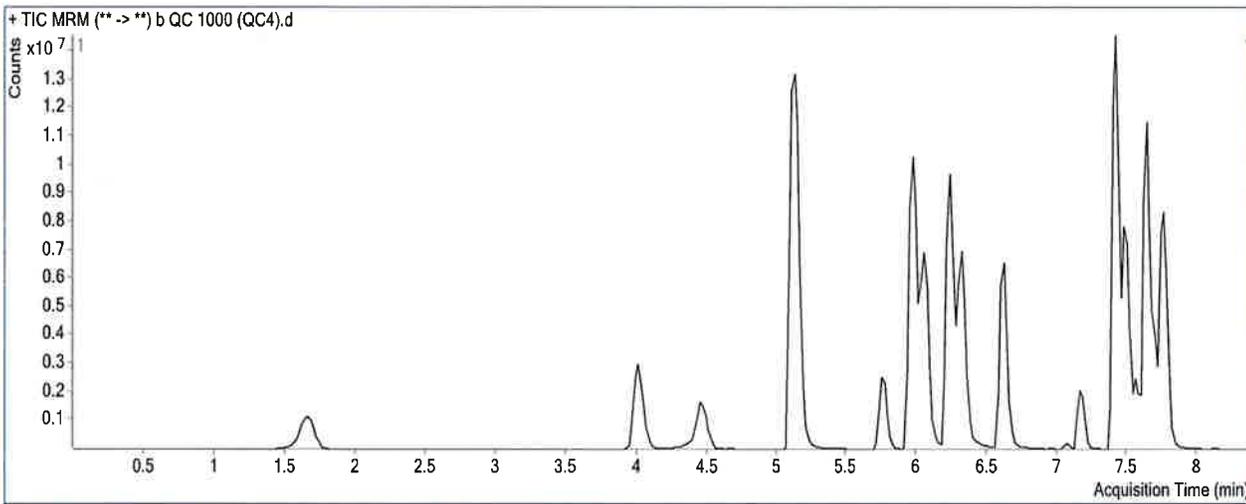
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wklst 2862 2863 TS\QuantResults\P1b MDQ TS.batch.bi
Analysis Time 1/7/2019 11:59 AM **Analyst Name** ISPUser
Report Time 1/7/2019 12:04 PM **Reporter Name** ISPUser
Last Calib Update 1/7/2019 11:59 AM **Batch State** Processed

Analysis Info

Acq Time 2019-01-03 10:09 **Data File** b QC 1000 (QC4).d
Sample Type QC **Sample Name** b QC 1000 (QC4).d
Dilution 1 **Acq Method** MD Quant Panel 1b 7-11-18.m
Position P1-D2 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.668	6955753	242924	28.6335	976.7239
Dihydrocodeine	Dihydrocodeine-D6	4.010	6282432	351103	17.8934	729.6245 <i>Not evaluated.</i>
Noroxycodone	Noroxycodone-D3	4.458	7419563	218264	33.9936	1118.7669 <i>outside TS curve range.</i>
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.140	60851247	2699496	22.5417	1003.1984
Benzoylcegonine	Benzoylcegonine-d8	5.751	3232337	31473	102.7012	6213.5490 <i>outside curve range. TS</i>
Ketamine	Ketamine-D4	5.982	33532524	1170805	28.6406	1094.9927
Norfentanyl	Norfentanyl-D5	6.024	3200940	1293918	2.4738	104.8274
Cocaine	Cocaine-d3	6.232	10774301	1205625	8.9367	1016.1521
alpha-PVP	alpha-PVP-d8	6.328	15356483	790158	19.4347	1021.7070
Mirtazapine	alpha-PVP-d8	6.624	14525229	790158	18.3827	823.6316
Norbuprenorphine	Norbuprenorphine-D3	6.974	14367	7194	1.9970	90.4012
Fentanyl	Fentanyl-D5	7.079	360771	175696	2.0534	104.6339
Mitragynine	Methadone-D9	7.156	1434517	472389	3.0367	696.0241
EDDP	EDDP-D3	7.168	3702284	148953	24.8553	1011.6882
Quetiapine	Quetiapine-D8	7.418	34227310	348039	98.3432	1068.5268
Cyclobenzaprine	Cyclobenzaprine-D3	7.472	1569115	53665	29.2390	1091.6902
Methadone	Methadone-D9	7.502	15876732	472389	33.6094	1058.0053
Fluoxetine	Fluoxetine-D6	7.542	2656792	100323	26.4825	982.5614
Oxazepam	Oxazepam-D5	7.568	2845556	127811	22.2638	1130.1201

TS

ISP FORENSICS - Pocatello Instrument # 59740

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

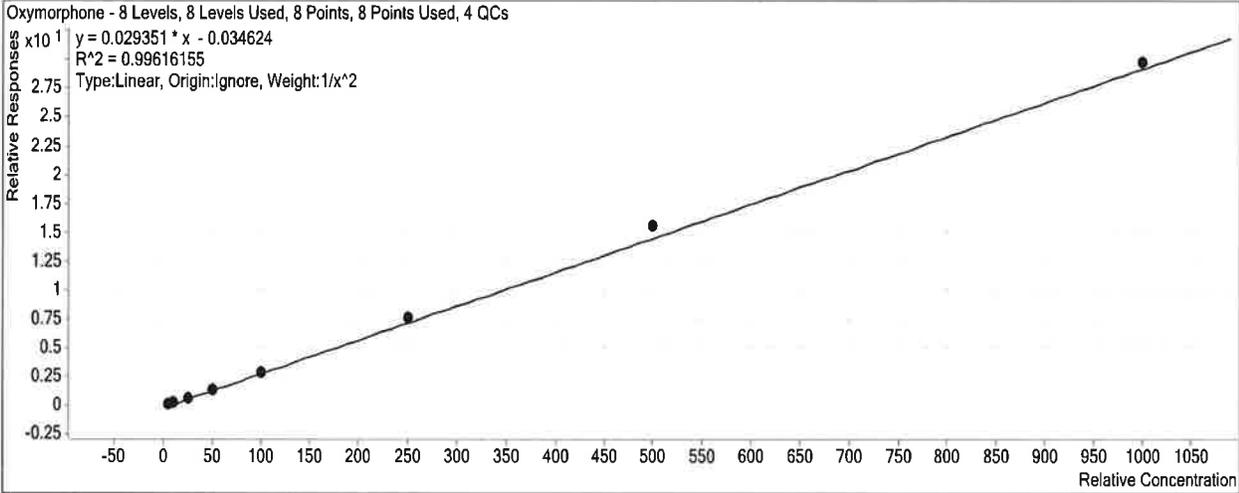
Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.604	739006	34267	21.5664	986.6053 <i>Not evaluated</i>
Temazepam	Temazepam-D5	7.647	27061547	1056313	25.6189	1124.2837
Buprenorphine	Buprenorphine-D4	7.677	276665	58008	4.7694	100.4853
Nordiazepam	Nordiazepam-D5	7.715	9009891	217056	41.5095	1032.6899
Diazepam	Diazepam-D5	7.771	12409811	447551	27.7283	1029.3367

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wk1st 2862 2863 TS\QuantResults\P1b MDQ TS.batch.bin
Last Calib Update 1/7/2019 11:59 AM **Analyst Name** ISP TOX

Target Compound Oxymorphone
Internal Standard Oxymorphone-D3



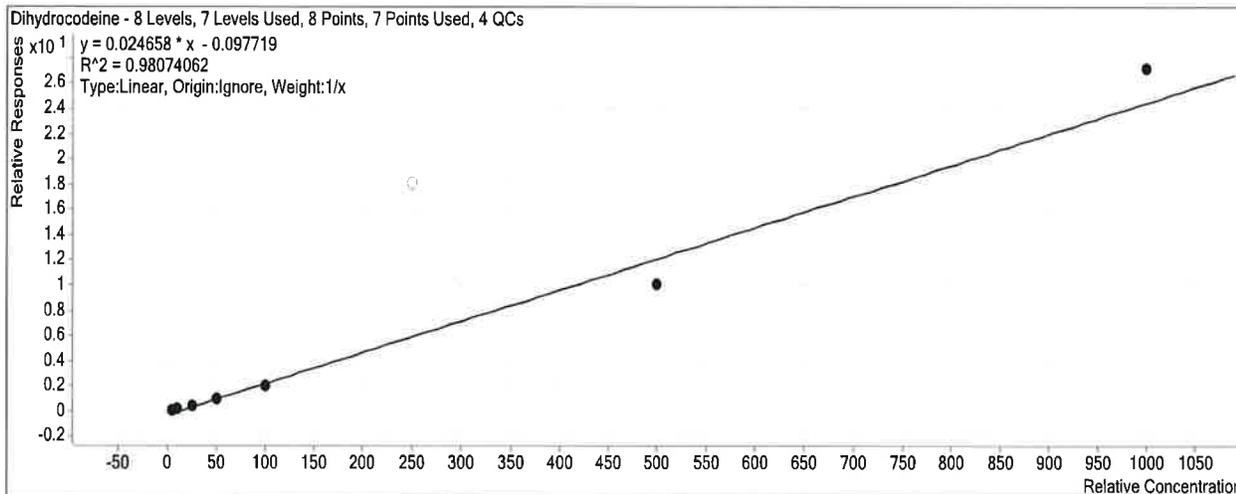
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.2	104.4
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.5	95.0
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.2	91.9
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.1	92.2
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	47.5	95.1
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	99.8	99.8
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	94.3	94.3
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	262.6	105.0
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	249.6	99.8
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	534.1	106.8
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1017.0	101.7
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	976.7	97.7

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wk1st 2862 2863 TS\QuantResults\P1b MDQ TS.batch.bin
Last Calib Update 1/7/2019 11:59 AM **Analyst Name** ISP TOX

Target Compound Dihydrocodeine
Internal Standard Dihydrocodeine-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	7.3	145.1
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	10.4	103.5
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	11.2	111.8
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	21.9	87.6
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	42.7	85.4
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	84.4	84.4
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	85.0	85.0
b cal 6-250ng.d	6	<input type="checkbox"/>	250	739.5	295.8
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	213.4	85.4
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	415.9	83.2
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1107.5	110.7
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	729.6	73.0

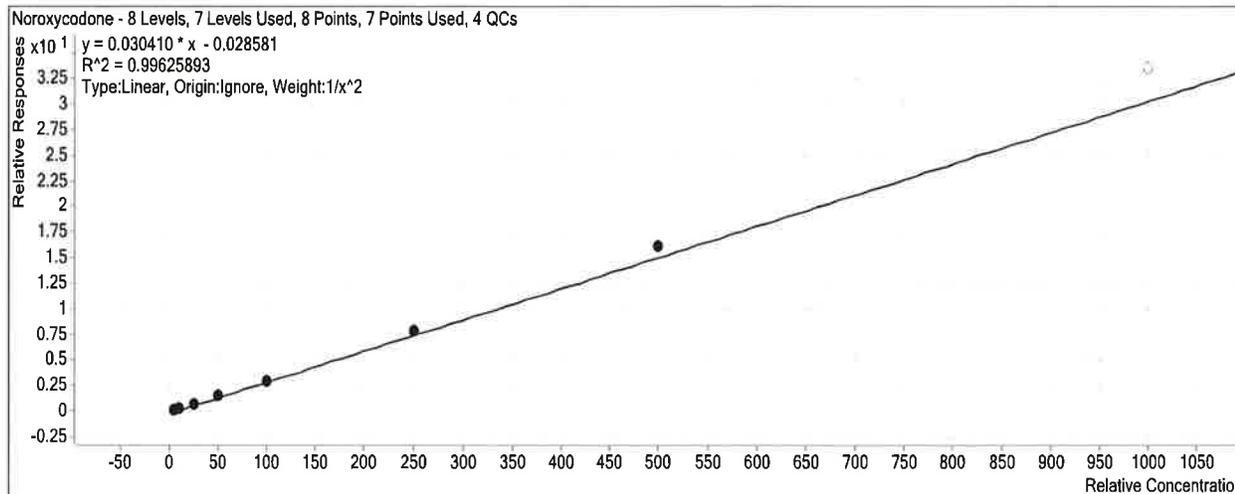
*Compound not evaluated due to poor peak shapes in the internal standards. - TS

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wk1st 2862 2863 TS\QuantResults\P1b MDQ TS.batch.bin
Last Calib Update 1/7/2019 11:59 AM **Analyst Name** ISP TOX

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



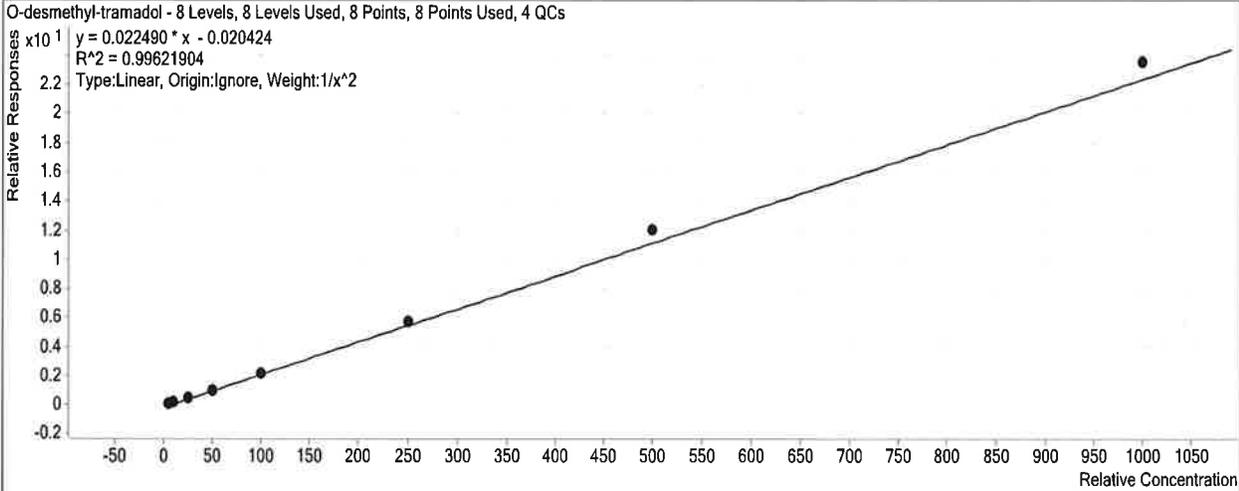
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.2	104.5
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.3	93.5
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.9	99.2
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.4	93.4
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	50.1	100.1
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	98.4	98.4
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	101.9	101.9
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	260.2	104.1
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	272.6	109.0
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	530.0	106.0
b cal 8-1000ng.d	8	<input type="checkbox"/>	1000	1104.4	110.4
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	1118.8	111.9

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wklst 2862 2863 TS\QuantResults\P1b MDQ TS.batch.bin
Last Calib Update 1/7/2019 11:59 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.d	1	<input checked="" type="checkbox"/>	5	5.2	103.5
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.7	96.7
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.1	101.2
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.4	93.5
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	47.3	94.5
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	96.3	96.3
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	98.3	98.3
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	257.2	102.9
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	263.5	105.4
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	537.5	107.5
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1051.0	105.1
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	1003.2	100.3

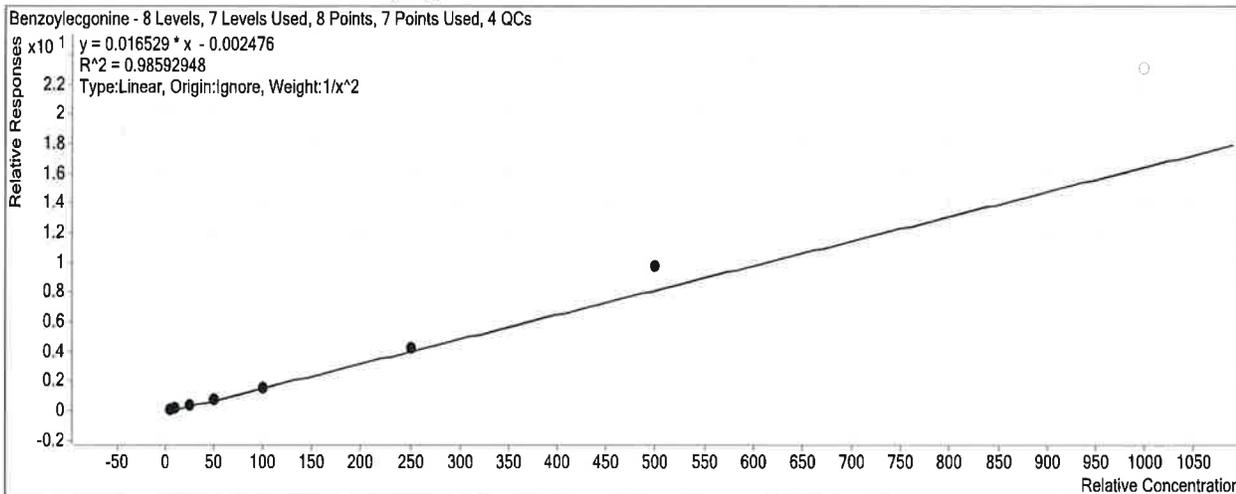
ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wk1st 2862 2863 TS\QuantResults\P1b MDQ TS.batch.bin

Last Calib Update 1/7/2019 11:59 AM **Analyst Name** ISP TOX

Target Compound *Benzoylecgonine*
Internal Standard *Benzoylecgonine-d8*



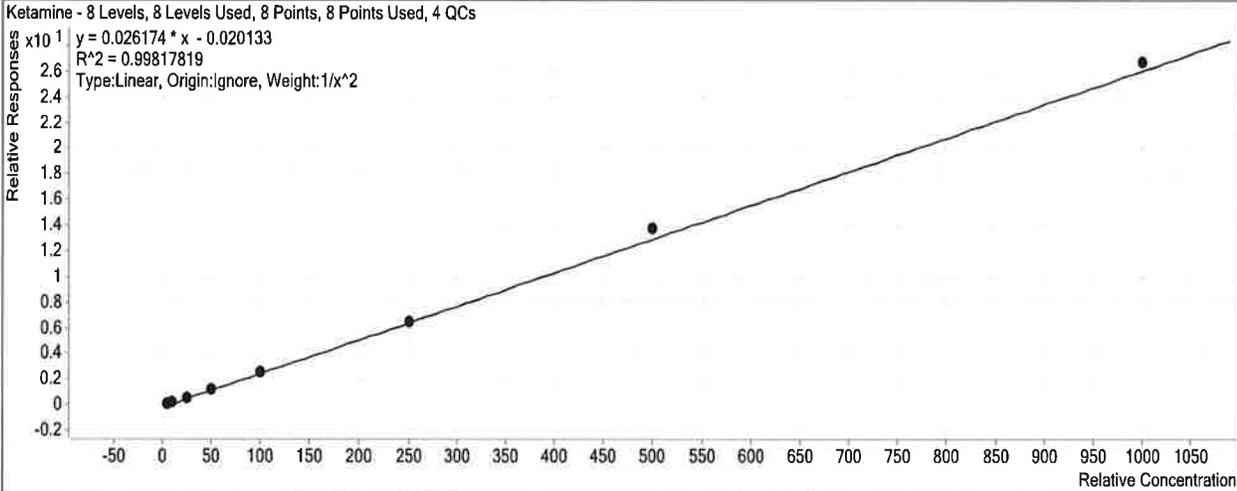
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.1	102.8
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	10.1	101.0
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	13.5	134.5
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	21.7	87.0
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	46.4	92.8
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	95.3	95.3
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	223.5	223.5
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	255.5	102.2
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	688.0	275.2
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	594.2	118.8
b cal 8-1000ng.d	8	<input type="checkbox"/>	1000	1401.2	140.1
b QC 1000 (QC4).d	8	<input type="checkbox"/>	1000	6213.5	621.4

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wklst 2862 2863 TS\QuantResults\P1b MDQ TS.batch.bin
Last Calib Update 1/7/2019 11:59 AM **Analyst Name** ISP TOX

Target Compound Ketamine
Internal Standard Ketamine-D4



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.2	103.4
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.5	95.3
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.0	99.8
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.9	95.4
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	48.7	97.5
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	101.2	101.2
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	99.3	99.3
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	248.8	99.5
b QC 250 (QC3).d	6	<input checked="" type="checkbox"/>	250	256.8	102.7
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	526.3	105.3
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1023.8	102.4
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	1095.0	109.5

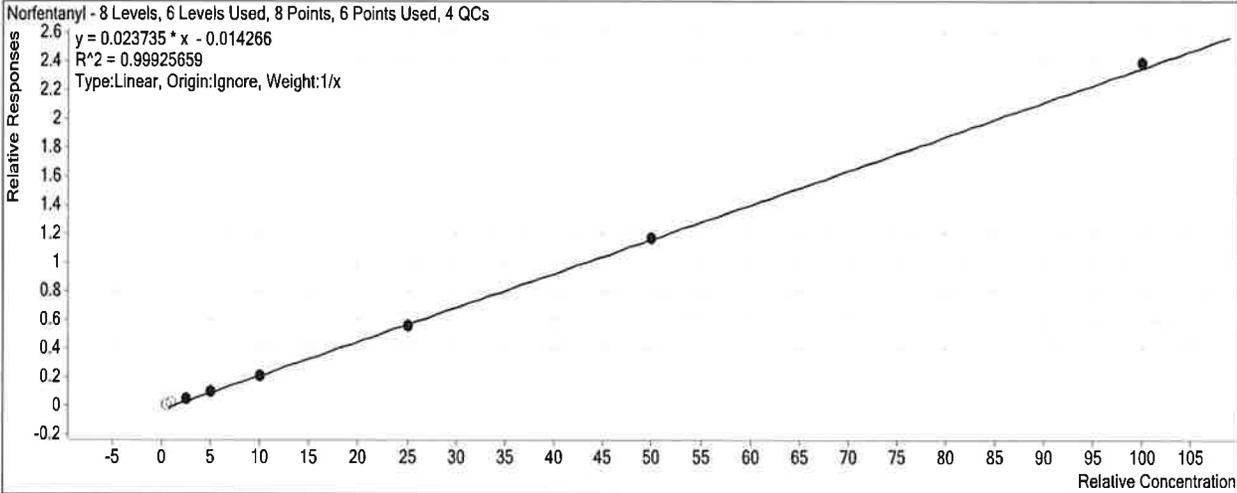
ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wk1st 2862 2863 TS\QuantResults\P1b
MDQ TS.batch.bin

Last Calib Update 1/7/2019 11:59 AM **Analyst Name** ISP TOX

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



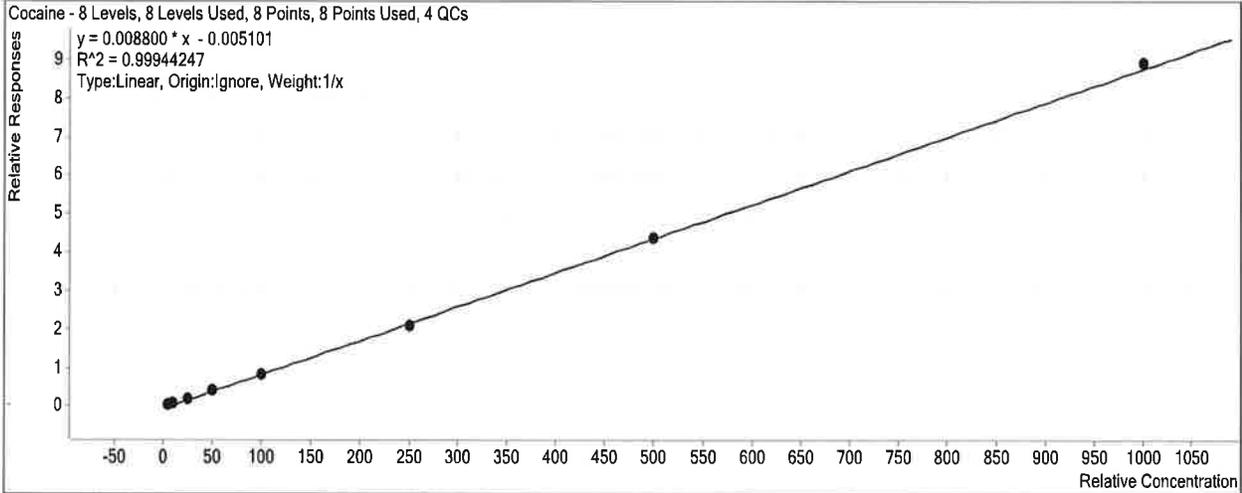
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input type="checkbox"/>	0.5	1.0	192.0
b cal 2-10ng.d	2	<input type="checkbox"/>	1	1.3	132.3
b QC 10 (QC1).d	2	<input type="checkbox"/>	1	1.3	132.7
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	2.5	2.8	111.0
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	5	4.8	96.8
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	10	9.4	93.8
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	10	9.5	94.9
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	25	24.4	97.4
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	25	25.2	100.7
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	50	49.8	99.7
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	100	101.3	101.3
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	100	104.8	104.8

ISP Forensics Calibration Curve Report

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Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wk1st 2862 2863 TS\QuantResults\P1b MDQ TS.batch.bin
Last Calib Update 1/7/2019 11:59 AM **Analyst Name** ISP TOX

Target Compound Cocaine
Internal Standard Cocaine-d3



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.8	117.0
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.8	97.9
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.8	98.4
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.7	94.6
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	47.8	95.7
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	97.1	97.1
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	93.8	93.8
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	240.6	96.2
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	245.2	98.1
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	499.9	100.0
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1015.3	101.5
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	1016.2	101.6

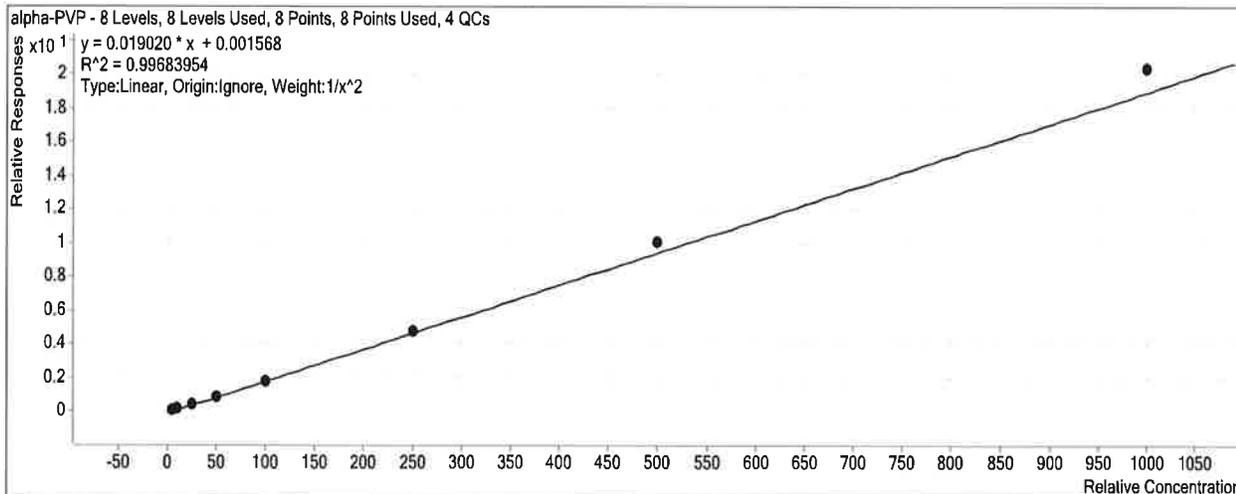
ISP Forensics Calibration Curve Report

B

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wklist 2862 2863 TS\QuantResults\P1b MDQ TS.batch.bin

Last Calib Update 1/7/2019 11:59 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.d	1	<input checked="" type="checkbox"/>	5	5.2	103.1
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.7	97.0
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.8	98.3
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.7	94.8
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	48.0	96.0
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	95.3	95.3
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	93.6	93.6
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	253.3	101.3
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	242.2	96.9
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	527.3	105.5
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1071.4	107.1
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	1021.7	102.2

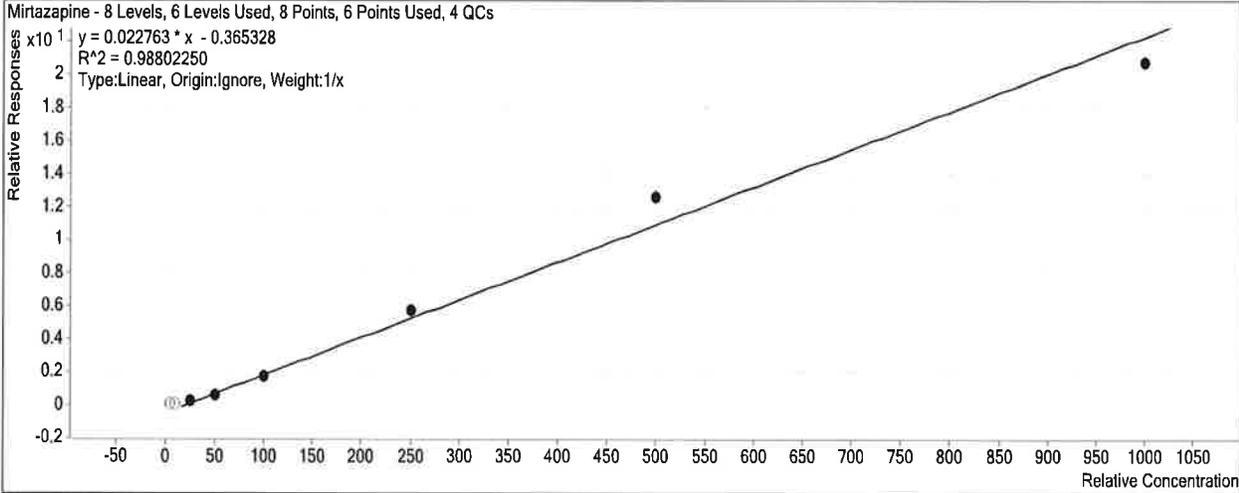
ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wk1st 2862 2863 TS\QuantResults\P1b
MDQ TS.batch.bin

Last Calib Update 1/7/2019 11:59 AM **Analyst Name** ISP TOX

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



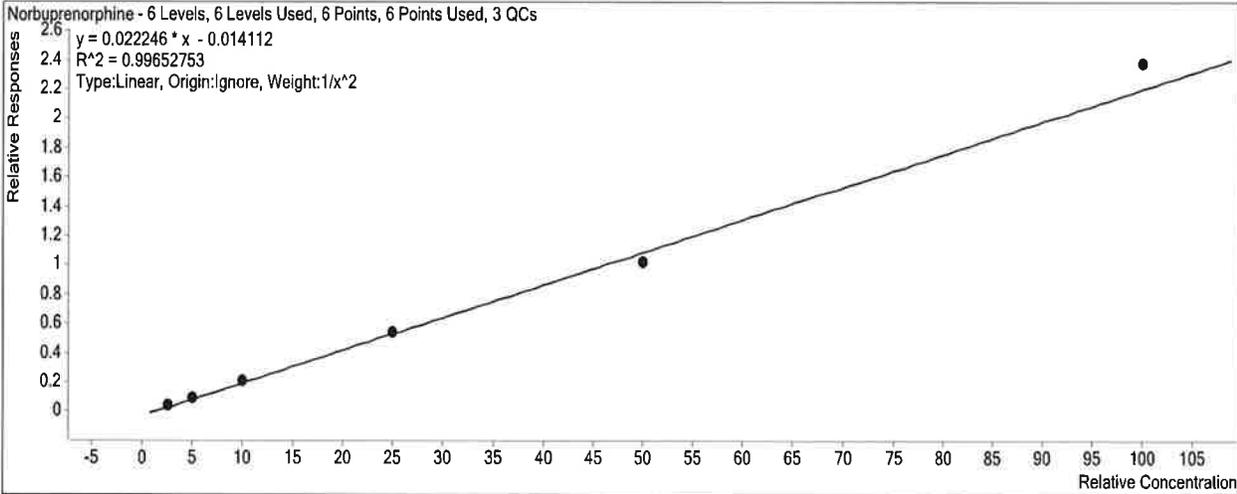
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input type="checkbox"/>	5	17.9	358.9
b cal 2-10ng.d	2	<input type="checkbox"/>	10	19.5	195.2
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	21.3	212.7
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	27.6	110.4
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	43.0	86.1
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	90.6	90.6
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	61.3	61.3
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	265.5	106.2
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	149.2	59.7
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	569.1	113.8
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	929.1	92.9
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	823.6	82.4

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wk1st 2862 2863 TS\QuantResults\P1b MDQ TS.batch.bin
Last Calib Update 1/7/2019 11:59 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input type="checkbox"/>	0.5	0.0	0.0
b cal 2-10ng.d	2	<input type="checkbox"/>	1	0.0	0.0
b cal 2-10ng.d	2	<input type="checkbox"/>	1	0.0	0.0
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	2.5	2.5	101.4
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	5	4.9	97.5
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	10	10.0	99.6
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	10	7.5	75.4
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	25	25.2	100.6
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	25	20.3	81.3
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	50	46.6	93.3
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	100	107.6	107.6
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	100	90.4	90.4

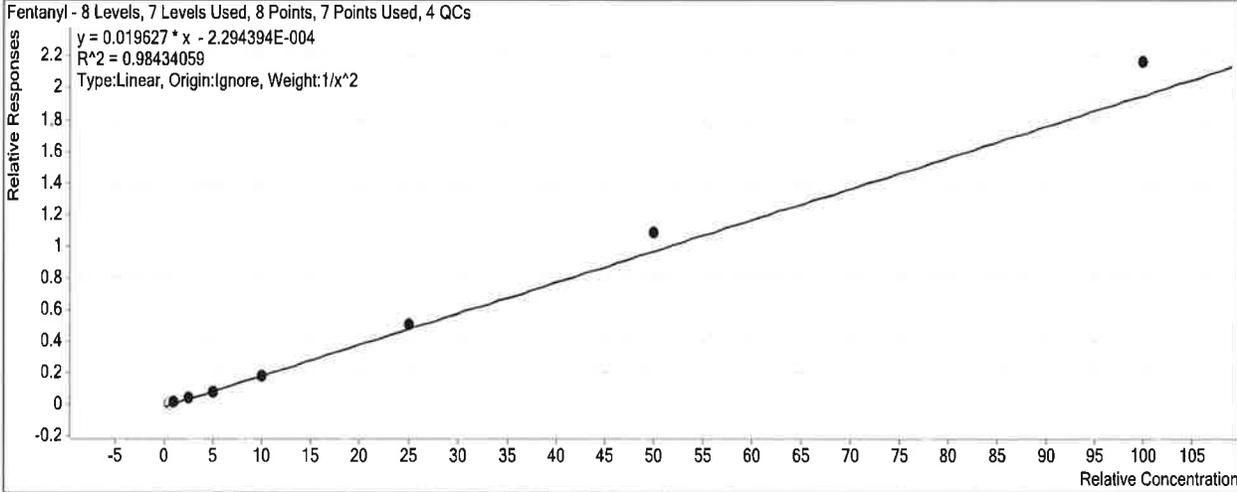
ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wk1st 2862 2863 TS\QuantResults\P1b
MDQ TS.batch.bin

Last Calib Update 1/7/2019 11:59 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input type="checkbox"/>	0.5	0.5	93.7
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	1	1.1	107.0
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	1	1.0	97.0
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	2.5	2.3	91.4
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	5	4.2	83.7
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	10	9.2	92.0
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	10	8.3	82.7
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	25	26.1	104.3
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	25	21.2	85.0
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	50	55.5	111.1
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	100	110.5	110.5
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	100	104.6	104.6

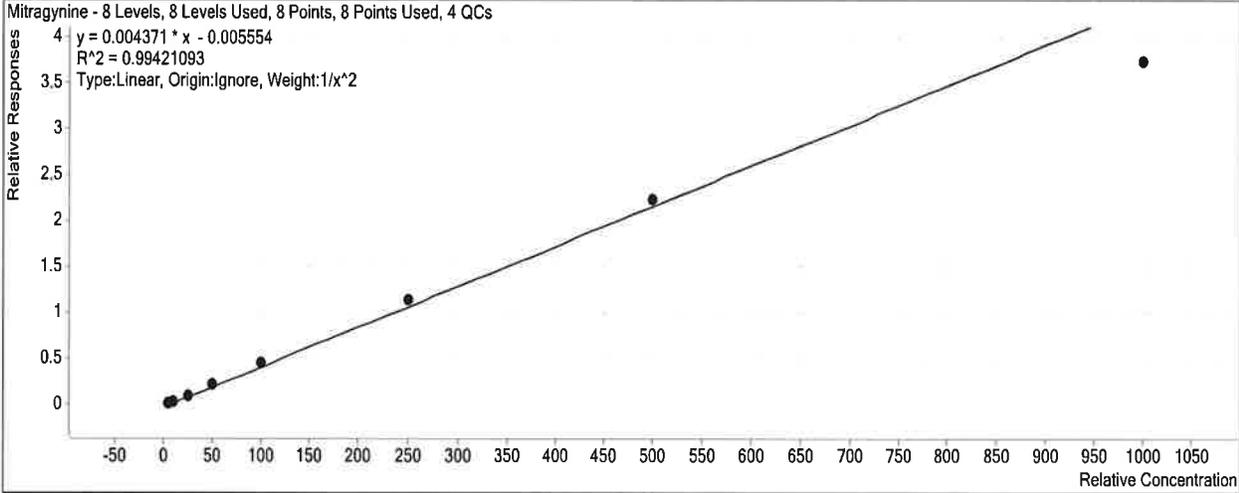
ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wklist 2862 2863 TS\QuantResults\P1b
MDQ TS.batch.bin

Last Calib Update 1/7/2019 11:59 AM **Analyst Name** ISP TOX

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



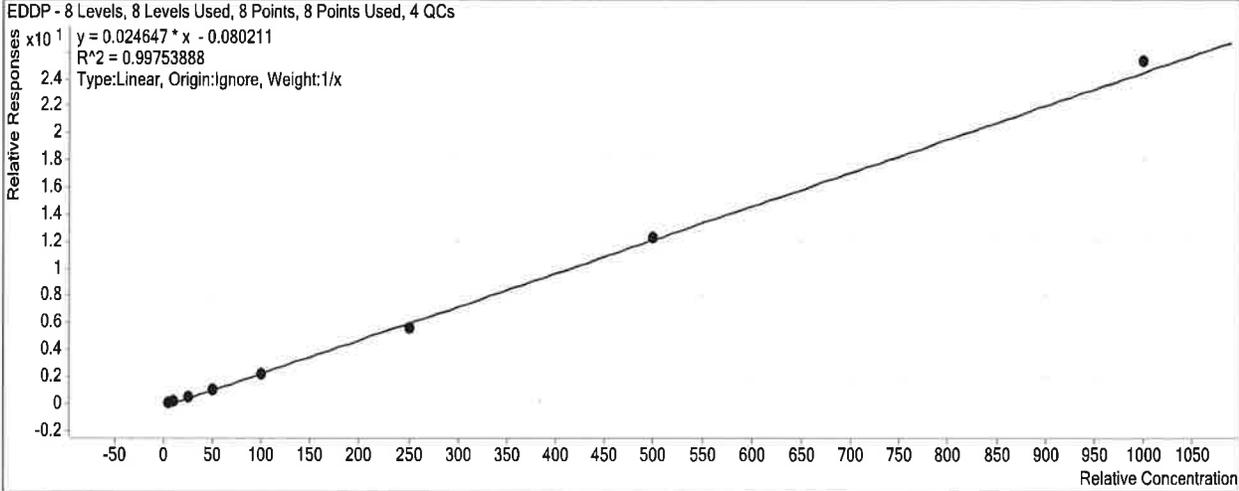
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.0	100.9
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.7	97.4
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.6	96.5
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	24.7	98.9
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	50.7	101.5
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	107.2	107.2
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	92.4	92.4
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	264.6	105.8
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	251.7	100.7
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	512.7	102.5
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	857.1	85.7
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	696.0	69.6

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wk1st 2862 2863 TS\QuantResults\P1b MDQ TS.batch.bin
Last Calib Update 1/7/2019 11:59 AM **Analyst Name** ISP TOX

Target Compound EDDP
Internal Standard EDDP-D3



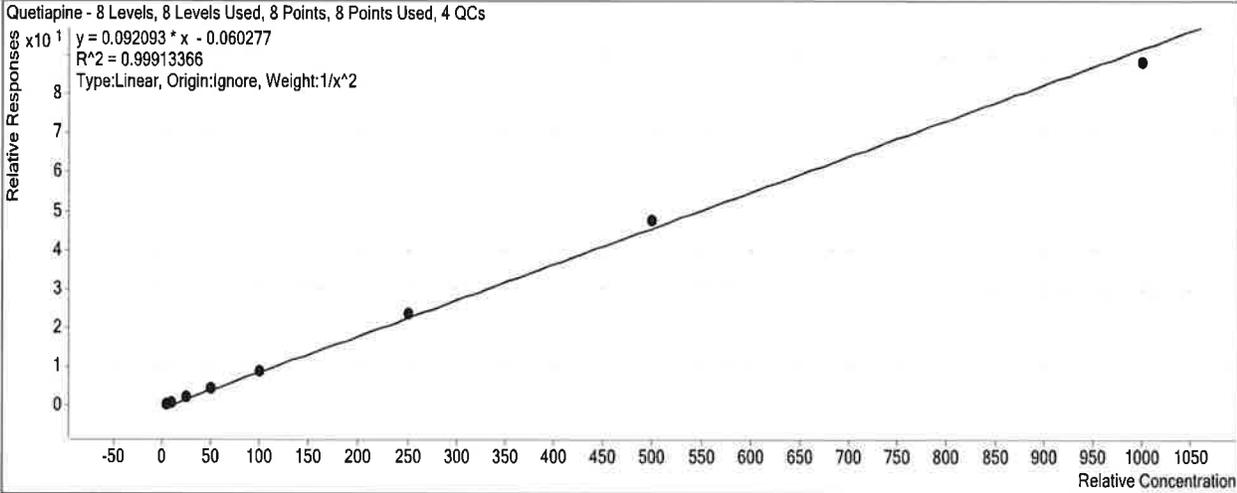
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	6.4	128.6
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	10.3	103.1
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.1	100.6
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.2	92.8
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	44.0	87.9
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	91.6	91.6
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	97.4	97.4
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	231.4	92.6
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	266.2	106.5
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	501.4	100.3
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1031.7	103.2
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	1011.7	101.2

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wklst 2862 2863 TS\QuantResults\P1b MDQ TS.batch.bin
Last Calib Update 1/7/2019 11:59 AM **Analyst Name** ISP TOX

Target Compound Quetiapine
Internal Standard Quetiapine-D8



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.0	100.8
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.8	98.4
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.8	108.5
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	25.2	100.9
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	49.1	98.1
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	99.7	99.7
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	109.4	109.4
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	256.5	102.6
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	283.7	113.5
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	518.8	103.8
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	958.4	95.8
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	1068.5	106.9

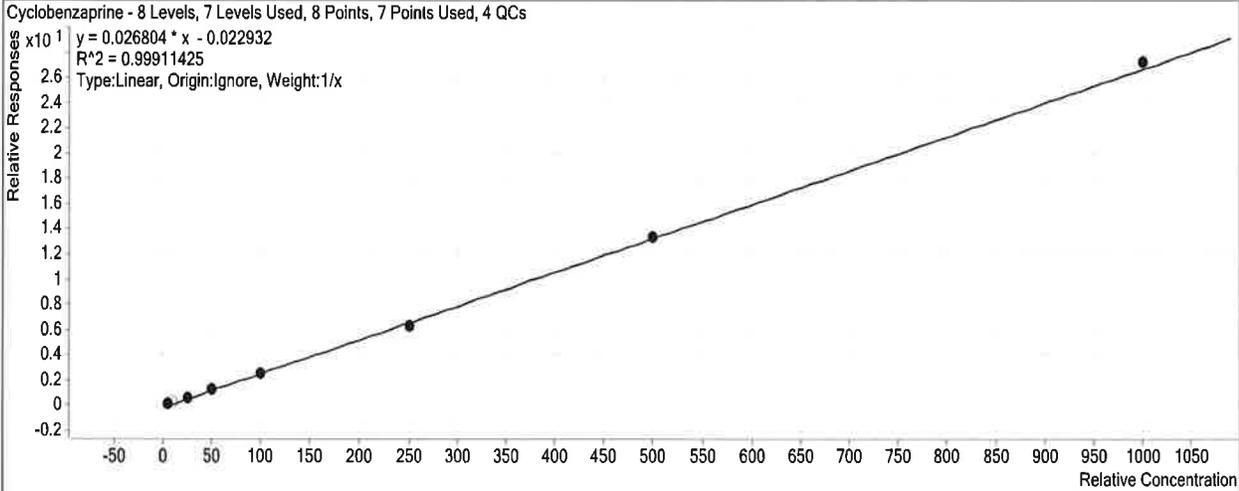
ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wk1st 2862 2863 TS\QuantResults\P1b
MDQ TS.batch.bin

Last Calib Update 1/7/2019 11:59 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.8	115.6
b cal 2-10ng.d	2	<input type="checkbox"/>	10	9.9	99.3
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.6	106.4
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	24.3	97.0
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	47.7	95.3
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	95.1	95.1
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	104.3	104.3
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	236.8	94.7
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	303.0	121.2
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	501.5	100.3
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1018.9	101.9
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	1091.7	109.2

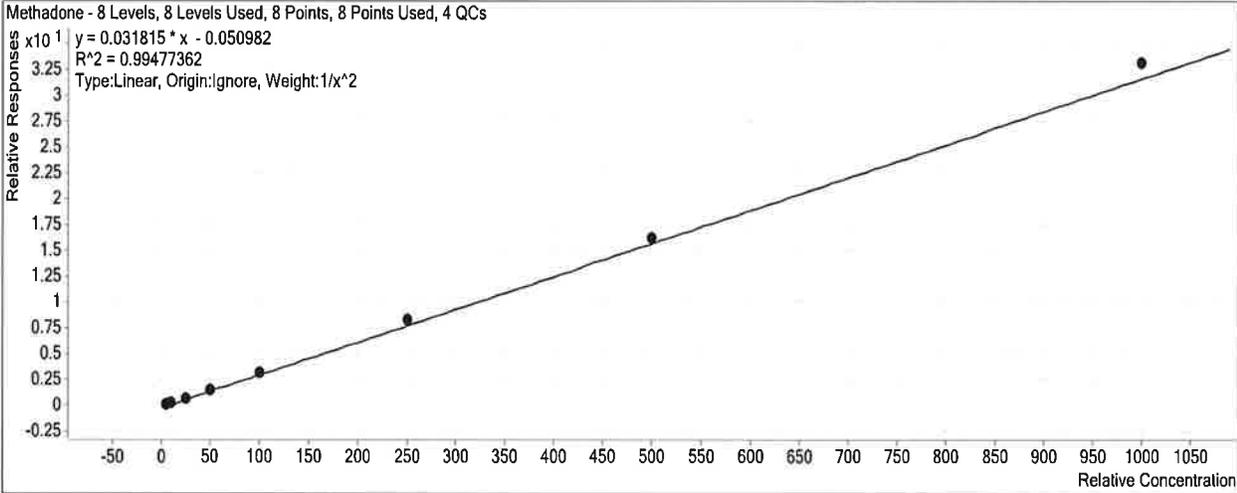
* Point dropped due to poor qualitative peak shape - TS

ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wk1st 2862 2863 TS\QuantResults\P1b MDQ TS.batch.bin
Last Calib Update 1/7/2019 11:59 AM **Analyst Name** ISP TOX

Target Compound Methadone
Internal Standard Methadone-D9



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.3	106.5
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.0	90.4
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.3	103.3
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	22.9	91.7
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	48.3	96.6
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	102.6	102.6
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	100.5	100.5
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	263.1	105.2
b QC 250 (QC3).d	6	<input checked="" type="checkbox"/>	250	260.9	104.3
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	511.8	102.4
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1046.4	104.6
b QC 1000 (QC4).d	8	<input type="checkbox"/>	1000	1058.0	105.8

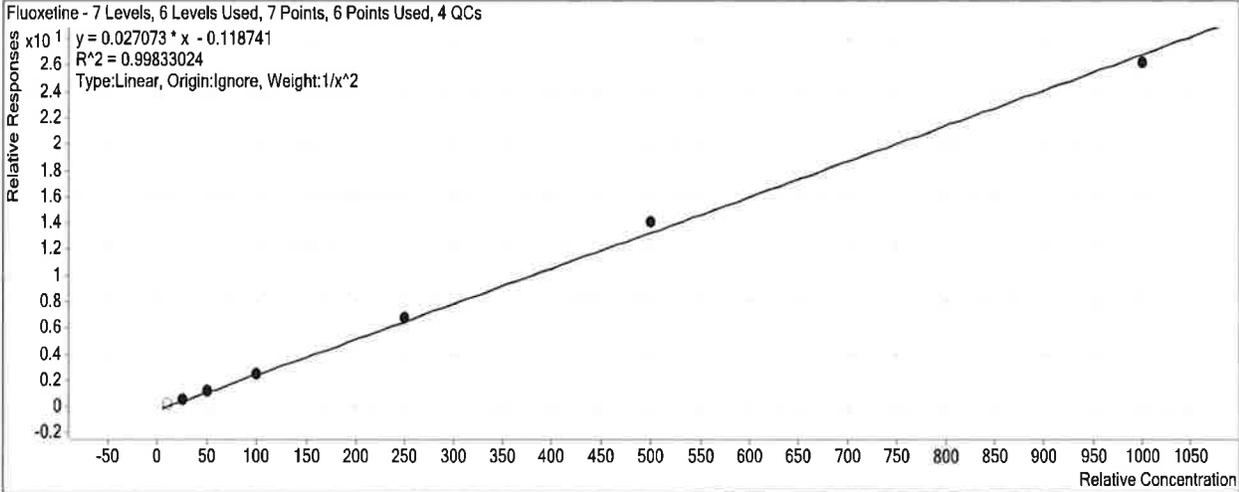
ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wklist 2862 2863 TS\QuantResults\P1b
MDQ TS.batch.bin

Last Calib Update 1/7/2019 11:59 AM **Analyst Name** ISP TOX

Target Compound Fluoxetine
Internal Standard Fluoxetine-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input type="checkbox"/>	5	0.0	0.0
b cal 2-10ng.d	2	<input type="checkbox"/>	10	12.3	123.4
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	16.4	163.5
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	25.4	101.6
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	49.0	98.0
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	96.4	96.4
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	92.4	92.4
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	253.6	101.4
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	244.9	98.0
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	525.4	105.1
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	975.4	97.5
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	982.6	98.3

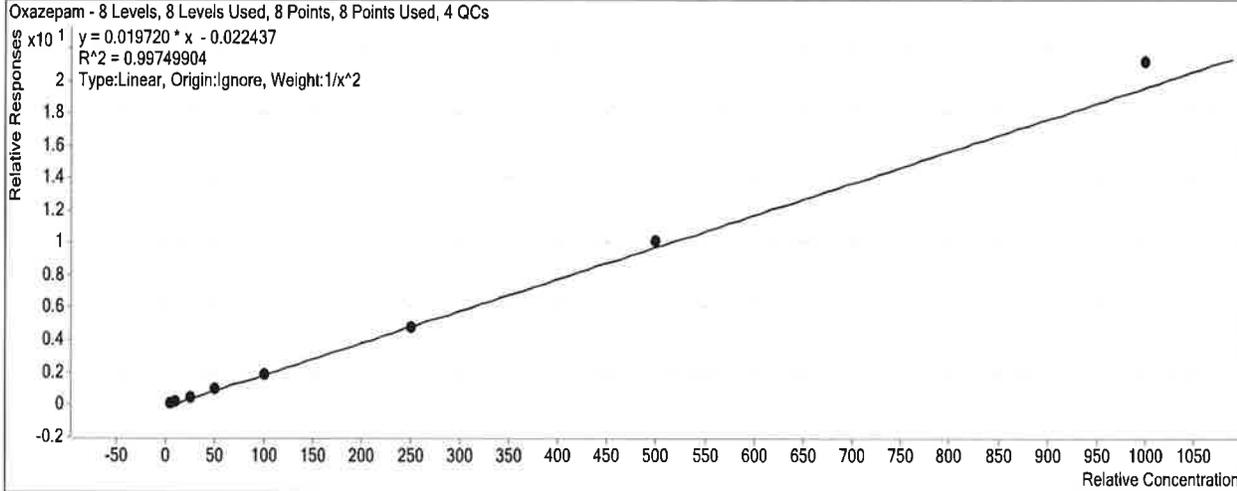
ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wklist 2862 2863 TS\QuantResults\P1b
MDQ TS.batch.bin

Last Calib Update 1/7/2019 11:59 AM **Analyst Name** ISP TOX

Target Compound Oxazepam
Internal Standard Oxazepam-D5



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.0	100.6
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	10.2	101.9
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.0	100.3
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.6	94.3
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	48.9	97.9
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	96.0	96.0
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	99.6	99.6
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	245.9	98.3
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	252.4	101.0
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	516.1	103.2
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1078.4	107.8
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	1130.1	113.0

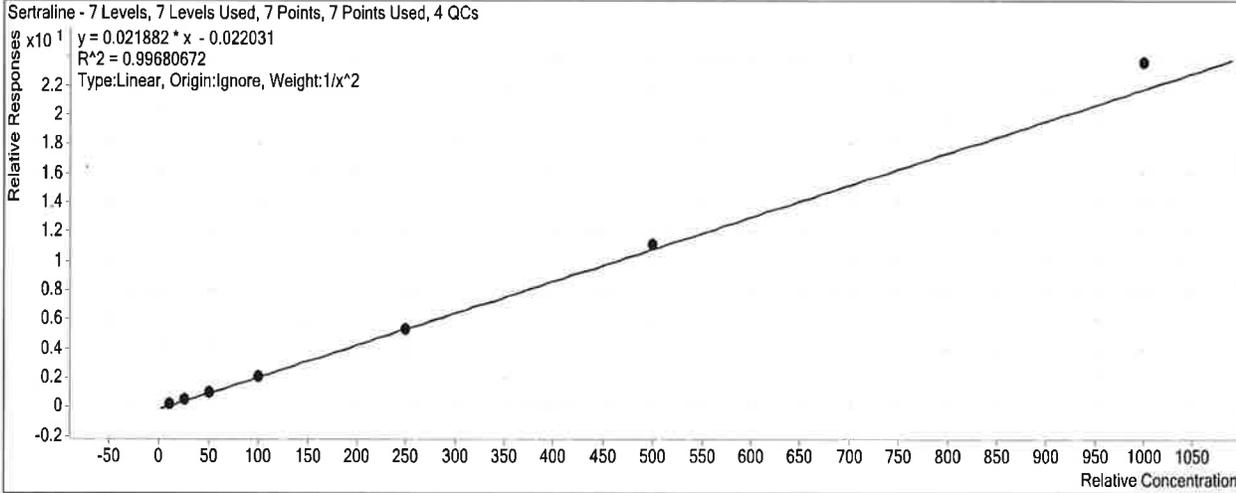
ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wk1st 2862 2863 TS\QuantResults\P1b
MDQ TS.batch.bin

Last Calib Update 1/7/2019 11:59 AM **Analyst Name** ISP TOX

Target Compound Sertraline
Internal Standard Sertraline-D3



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	0.0	0.0
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	10.3	103.1
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	11.1	111.0
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.5	94.0
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	49.2	98.4
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	95.7	95.7
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	89.5	89.5
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	245.9	98.4
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	215.5	86.2
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	511.5	102.3
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1081.5	108.2
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	986.6	98.7

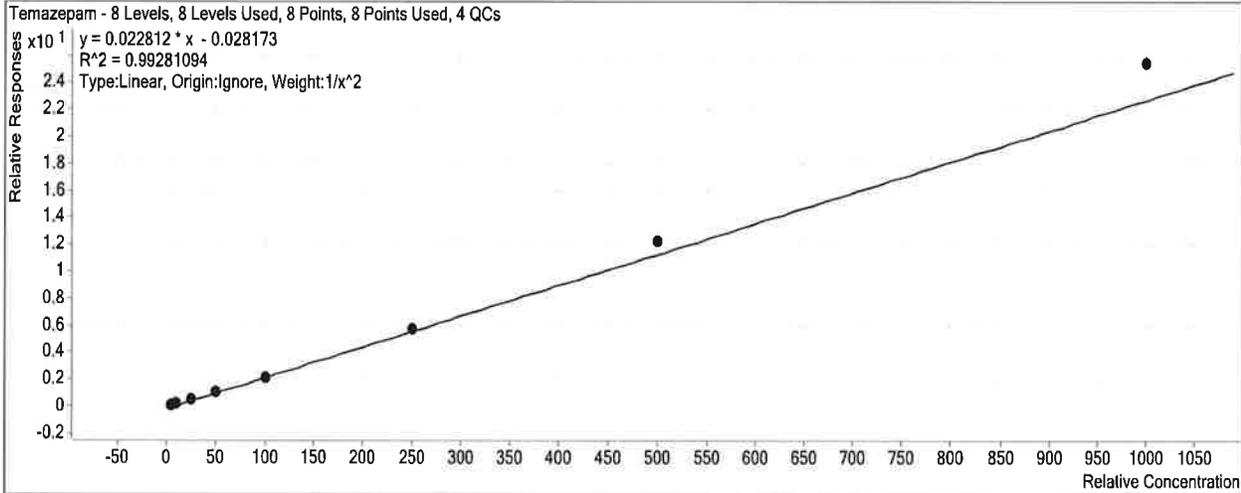
*Compound not evaluated due to variable ITSD
response among samples. - TS

ISP Forensics Calibration Curve Report

B

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wk1st 2862 2863 TS\QuantResults\P1b MDQ TS.batch.bin
Last Calib Update 1/7/2019 11:59 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.3	105.3
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.4	94.5
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.1	100.7
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	22.6	90.3
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	47.5	95.0
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	95.7	95.7
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	90.3	90.3
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	251.0	100.4
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	251.4	100.6
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	535.6	107.1
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1116.6	111.7
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	1124.3	112.4

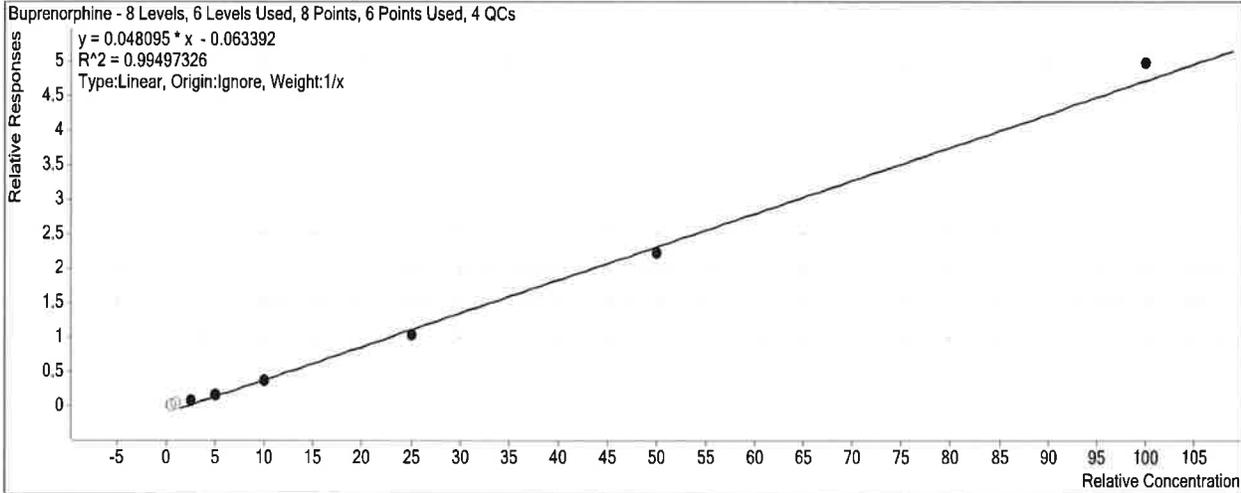
ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wk1st 2862 2863 TS\QuantResults\P1b
MDQ TS.batch.bin

Last Calib Update 1/7/2019 11:59 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input type="checkbox"/>	0.5	1.7	349.9
b cal 2-10ng.d	2	<input type="checkbox"/>	1	2.1	208.3
b QC 10 (QC1).d	2	<input type="checkbox"/>	1	2.0	196.5
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	2.5	3.1	122.2
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	5	4.7	94.4
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	10	9.1	91.1
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	10	8.6	86.5
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	25	23.0	92.2
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	25	22.0	87.8
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	50	47.6	95.2
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	100	105.0	105.0
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	100	100.5	100.5

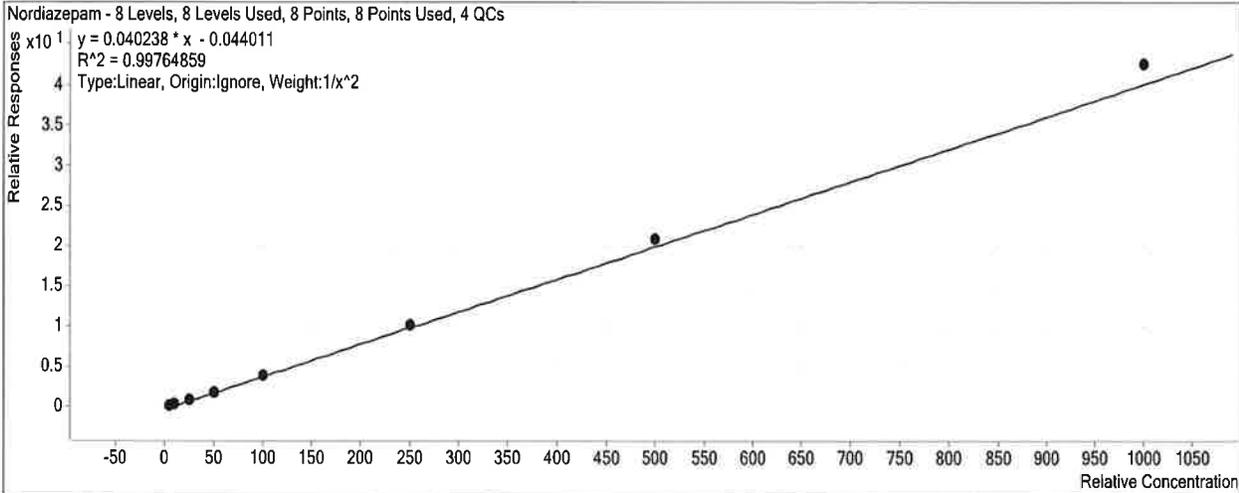
ISP Forensics Calibration Curve Report

TS

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wk1st 2862 2863 TS\QuantResults\P1b
MDQ TS.batch.bin

Last Calib Update 1/7/2019 11:59 AM **Analyst Name** ISP TOX

Target Compound Nordiazepam
Internal Standard Nordiazepam-D5



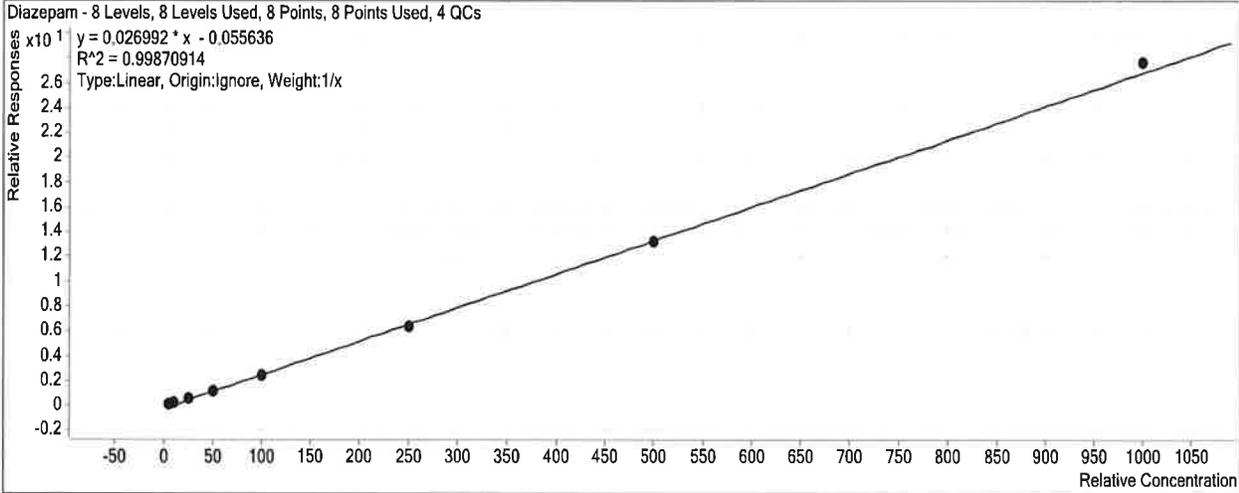
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b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.1	102.5
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.8	98.3
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.4	103.9
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.4	93.6
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	47.9	95.8
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	98.7	98.7
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	96.5	96.5
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	251.9	100.7
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	250.5	100.2
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	521.4	104.3
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1060.2	106.0
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	1032.7	103.3

ISP Forensics Calibration Curve Report

AS

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wk1st 2862 2863 TS\QuantResults\P1b MDQ TS.batch.bin
Last Calib Update 1/7/2019 11:59 AM **Analyst Name** ISP TOX

Target Compound Diazepam
Internal Standard Diazepam-D5



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	6.0	119.9
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	10.3	102.7
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.7	107.5
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.2	92.9
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	46.7	93.4
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	94.1	94.1
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	93.4	93.4
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	240.1	96.0
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	248.9	99.6
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	490.9	98.2
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1028.8	102.9
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	1029.3	102.9

TS

ISP FORENSICS - Pocatello Instrument # 59740

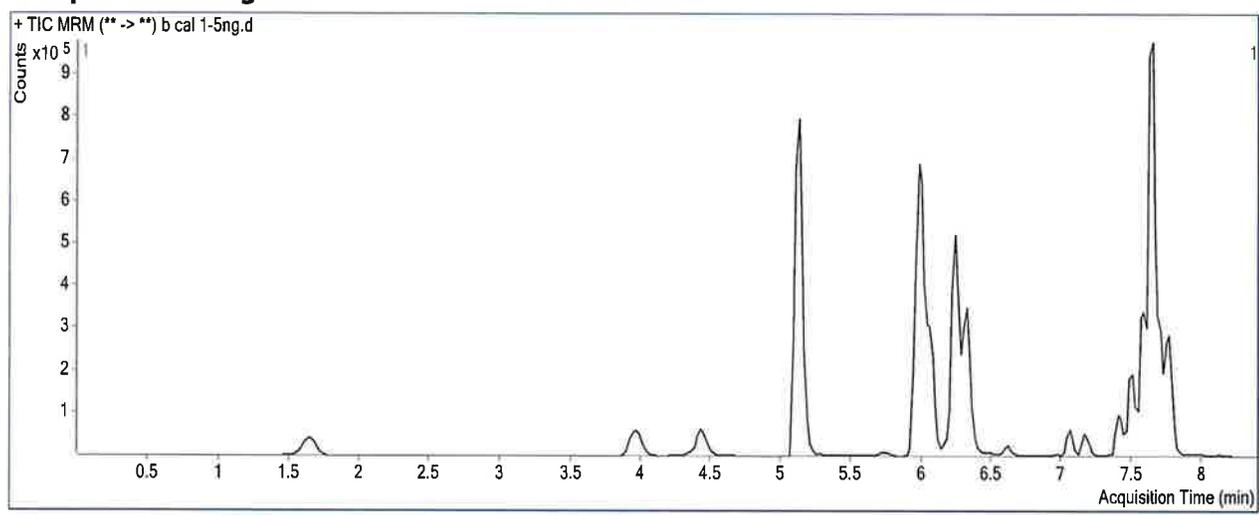
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wklist 2862 2863 TS\QuantResults\P1b MDQ TS.batch.bi		
Analysis Time	1/7/2019 11:59 AM	Analyst Name	ISPUser
Report Time	1/7/2019 12:01 PM	Reporter Name	ISPUser
Last Calib Update	1/7/2019 11:59 AM	Batch State	Processed

Analysis Info

Acq Time	2019-01-02 15:30	Data File	b cal 1-5ng.d
Sample Type	Calibration	Sample Name	b cal 1-5ng.d
Dilution	1	Acq Method	MD Quant Panel 1b 7-11-18.m
Position	P1-A1	Sample Info	
Inj Vol	-1	Comment	AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.668	34109	287730	0.1185	5.2185
Dihydrocodeine	Dihydrocodeine-D6	4.010	28256	347849	0.0812	7.2572
Noroxycodone	Noroxycodone-D3	4.478	41960	322011	0.1303	5.2248
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.140	291878	3040660	0.0960	5.1763
Benzoylcegonine	Benzoylcegonine-d8	5.751	2736	33164	0.0825	5.1404
Ketamine	Ketamine-D4	5.982	155243	1347674	0.1152	5.1702
Norfentanyl	Norfentanyl-D5	6.024	13892	1630498	0.0085	0.9600
Cocaine	Cocaine-d3	6.232	79789	1720866	0.0464	5.8487
alpha-PVP	alpha-PVP-d8	6.328	107629	1080623	0.0996	5.1540
Mirtazapine	alpha-PVP-d8	6.624	46639	1080623	0.0432	17.9455
Fentanyl	Fentanyl-D5	7.059	1828	204016	0.0090	0.4683
Mitragynine	Methadone-D9	7.156	8604	521249	0.0165	5.0472
EDDP	EDDP-D3	7.168	11797	150803	0.0782	6.4282
Quetiapine	Quetiapine-D8	7.418	86658	214643	0.4037	5.0385
Cyclobenzaprine	Cyclobenzaprine-D3	7.472	5728	43376	0.1321	5.7823
Methadone	Methadone-D9	7.502	61752	521249	0.1185	5.3261
Oxazepam	Oxazepam-D5	7.588	71781	935491	0.0767	5.0287
Temazepam	Temazepam-D5	7.647	256552	2791459	0.0919	5.2639
Buprenorphine	Buprenorphine-D4	7.677	2735	131856	0.0207	1.7494

TS

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report *b cal 1-5ng*

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Nordiazepam	Nordiazepam-D5	7.715	116852	720311	0.1622	5.1254
Diazepam	Diazepam-D5	7.771	76768	723410	0.1061	5.9927

TS

ISP FORENSICS - Pocatello Instrument # 59740

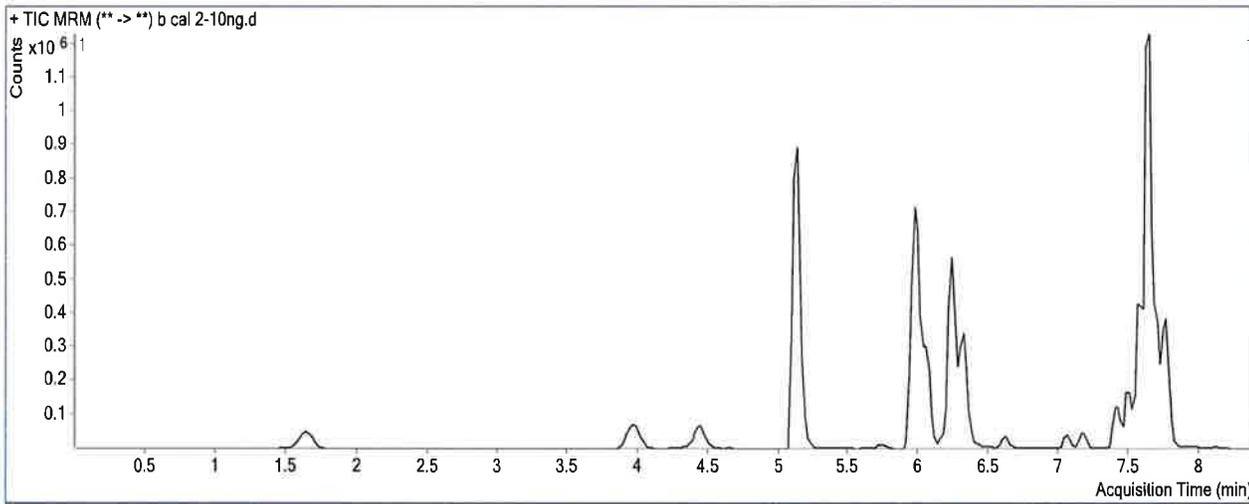
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wklst 2862 2863 TS\QuantResults\P1b MDQ TS.batch.bi
Analysis Time 1/7/2019 11:59 AM **Analyst Name** ISPUser
Report Time 1/7/2019 12:01 PM **Reporter Name** ISPUser
Last Calib Update 1/7/2019 11:59 AM **Batch State** Processed

Analysis Info

Acq Time 2019-01-02 16:02 **Data File** b cal 2-10ng.d
Sample Type Calibration **Sample Name** b cal 2-10ng.d
Dilution 1 **Acq Method** MD Quant Panel 1b 7-11-18.m
Position P1-B1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.648	74745	305965	0.2443	9.5027
Dihydrocodeine	Dihydrocodeine-D6	4.010	58304	369995	0.1576	10.3536
Noroxycodone	Noroxycodone-D3	4.458	79508	310885	0.2557	9.3497
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.140	626094	3176896	0.1971	9.6710
Benzoylcegonine	Benzoylcegonine-d8	5.751	6094	37043	0.1645	10.1026
Ketamine	Ketamine-D4	5.982	308244	1344237	0.2293	9.5300
Norfentanyl	Norfentanyl-D5	6.024	25612	1494351	0.0171	1.3232
Cocaine	Cocaine-d3	6.232	134809	1663536	0.0810	9.7889
alpha-PVP	alpha-PVP-d8	6.328	176468	948614	0.1860	9.6980
Mirtazapine	alpha-PVP-d8	6.624	75034	948614	0.0791	19.5244
Fentanyl	Fentanyl-D5	7.059	2845	136973	0.0208	1.0699
Mitragynine	Methadone-D9	7.156	14451	390464	0.0370	9.7382
EDDP	EDDP-D3	7.168	19702	113332	0.1738	10.3076
Quetiapine	Quetiapine-D8	7.418	175566	207570	0.8458	9.8389
Cyclobenzaprine	Cyclobenzaprine-D3	7.472	11814	48571	0.2432	9.9297
Methadone	Methadone-D9	7.502	92413	390464	0.2367	9.0416
Fluoxetine	Fluoxetine-D6	7.542	34366	159608	0.2153	12.3389
Oxazepam	Oxazepam-D5	7.588	176735	990029	0.1785	10.1901
Sertraline	Sertraline-D3	7.604	14657	71996	0.2036	10.3107

TS

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

b cal 2-10ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Temazepam	Temazepam-D5	7.647	593706	3169441	0.1873	9.4466
Buprenorphine	Buprenorphine-D4	7.677	3498	95058	0.0368	2.0832
Nordiazepam	Nordiazepam-D5	7.715	278829	792913	0.3517	9.8330
Diazepam	Diazepam-D5	7.771	173003	780490	0.2217	10.2732

TS

ISP FORENSICS - Pocatello Instrument # 59740

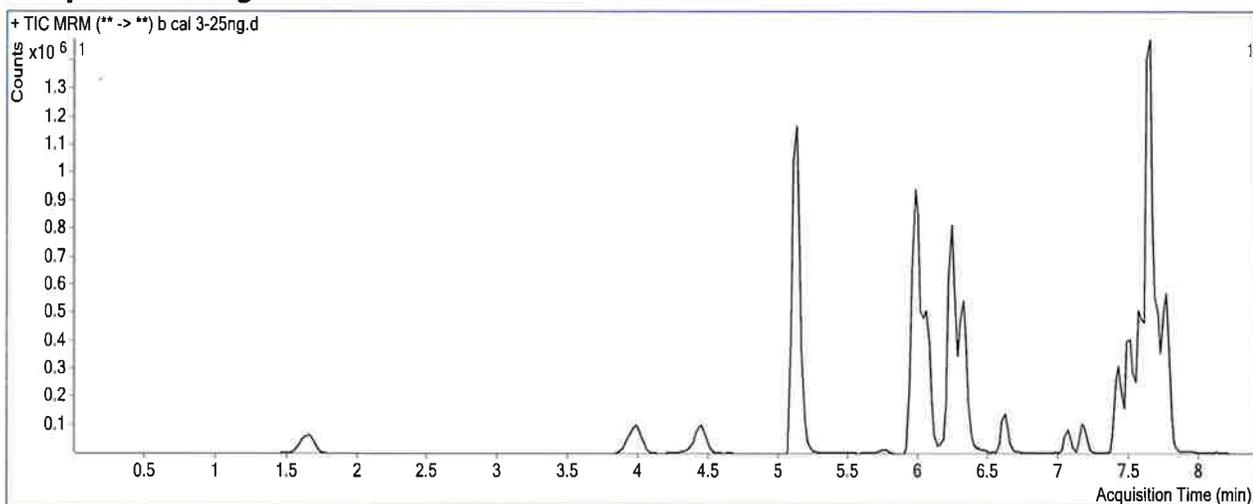
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wkst 2862 2863 TS\QuantResults\P1b MDQ TS.batch.bi
Analysis Time 1/7/2019 11:59 AM **Analyst Name** ISPUser
Report Time 1/7/2019 12:01 PM **Reporter Name** ISPUser
Last Calib Update 1/7/2019 11:59 AM **Batch State** Processed

Analysis Info

Acq Time 2019-01-02 16:33 **Data File** b cal 3-25ng.d
Sample Type Calibration **Sample Name** b cal 3-25ng.d
Dilution 1 **Acq Method** MD Quant Panel 1b 7-11-18.m
Position P1-C1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.648	189116	294563	0.6420	23.0535
Dihydrocodeine	Dihydrocodeine-D6	4.010	162095	366738	0.4420	21.8878
Noroxycodone	Noroxycodone-D3	4.458	229237	336329	0.6816	23.3528
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.140	1641262	3249040	0.5052	23.3692
Benzoylcegonine	Benzoylcegonine-d8	5.751	11441	32051	0.3570	21.7465
Ketamine	Ketamine-D4	5.982	873912	1446431	0.6042	23.8523
Norfentanyl	Norfentanyl-D5	6.024	86416	1674083	0.0516	2.7759
Cocaine	Cocaine-d3	6.232	374281	1843569	0.2030	23.6510
alpha-PVP	alpha-PVP-d8	6.328	519873	1149803	0.4521	23.6891
Mirtazapine	alpha-PVP-d8	6.624	302236	1149803	0.2629	27.5973
Norbuprenorphine	Norbuprenorphine-D3	6.974	760	17970	0.0423	2.5358
Fentanyl	Fentanyl-D5	7.059	11906	266768	0.0446	2.2856
Mitragynine	Methadone-D9	7.156	66570	649103	0.1026	24.7341
EDDP	EDDP-D3	7.188	78370	159392	0.4917	23.2028
Quetiapine	Quetiapine-D8	7.418	583869	258155	2.2617	25.2134
Cyclobenzaprine	Cyclobenzaprine-D3	7.472	56058	89376	0.6272	24.2552
Methadone	Methadone-D9	7.502	440125	649103	0.6781	22.9148
Fluoxetine	Fluoxetine-D6	7.542	155962	274189	0.5688	25.3959
Oxazepam	Oxazepam-D5	7.588	343974	777809	0.4422	23.5632

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

TS

b cal 3-25ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.604	57940	117771	0.4920	23.4902
Temazepam	Temazepam-D5	7.647	1380696	2835545	0.4869	22.5802
Buprenorphine	Buprenorphine-D4	7.677	13161	157507	0.0836	3.0554
Nordiazepam	Nordiazepam-D5	7.715	640307	713077	0.8979	23.4096
Diazepam	Diazepam-D5	7.771	434357	760589	0.5711	23.2185

TS

ISP FORENSICS - Pocatello Instrument # 59740

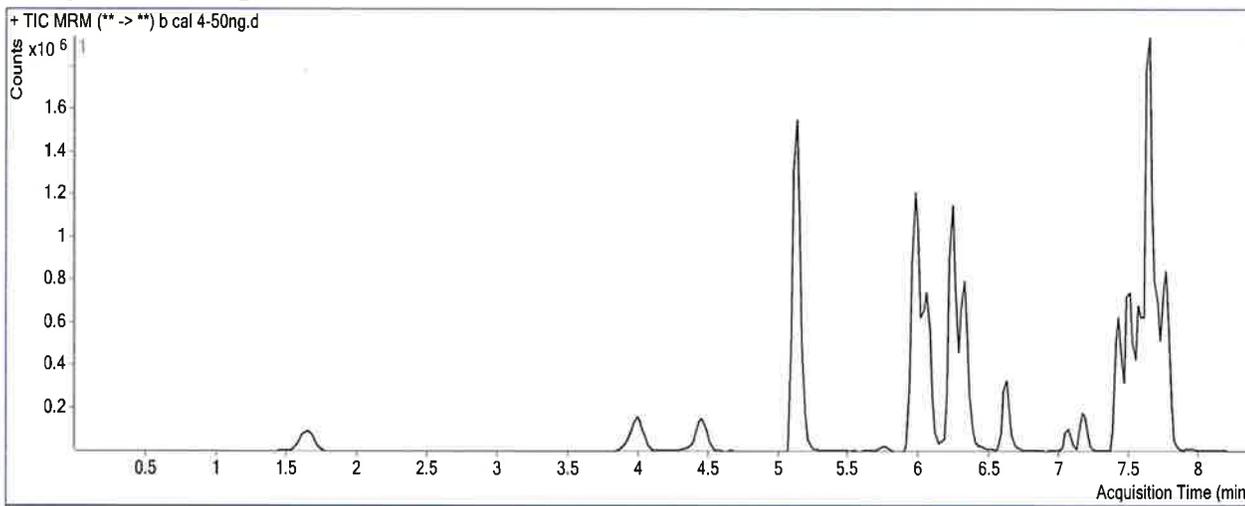
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wklt 2862 2863 TS\QuantResults\P1b MDQ TS.batch.bi
Analysis Time 1/7/2019 11:59 AM **Analyst Name** ISPUser
Report Time 1/7/2019 12:02 PM **Reporter Name** ISPUser
Last Calib Update 1/7/2019 11:59 AM **Batch State** Processed

Analysis Info

Acq Time 2019-01-02 17:05 **Data File** b cal 4-50ng.d
Sample Type Calibration **Sample Name** b cal 4-50ng.d
Dilution 1 **Acq Method** MD Quant Panel 1b 7-11-18.m
Position P1-D1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.648	383901	282091	1.3609	47.5460
Dihydrocodeine	Dihydrocodeine-D6	4.010	335374	351041	0.9554	42.7077
Noroxycodone	Noroxycodone-D3	4.458	474690	317786	1.4937	50.0593
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.140	3276349	3143406	1.0423	47.2525
Benzoylcegonine	Benzoylcegonine-d8	5.751	24166	31596	0.7648	46.4221
Ketamine	Ketamine-D4	5.982	1727287	1375711	1.2556	48.7383
Norfentanyl	Norfentanyl-D5	6.024	168805	1678391	0.1006	4.8385
Cocaine	Cocaine-d3	6.232	744504	1789983	0.4159	47.8461
alpha-PVP	alpha-PVP-d8	6.328	1044911	1142872	0.9143	47.9865
Mirtazapine	alpha-PVP-d8	6.624	701981	1142872	0.6142	43.0334
Norbuprenorphine	Norbuprenorphine-D3	6.974	1758	18627	0.0944	4.8759
Fentanyl	Fentanyl-D5	7.079	26427	322556	0.0819	4.1861
Mitragynine	Methadone-D9	7.156	159022	735464	0.2162	50.7384
EDDP	EDDP-D3	7.188	174410	173878	1.0031	43.9507
Quetiapine	Quetiapine-D8	7.418	1317127	295442	4.4582	49.0639
Cyclobenzaprine	Cyclobenzaprine-D3	7.472	144755	115351	1.2549	47.6731
Methadone	Methadone-D9	7.502	1092313	735464	1.4852	48.2850
Fluoxetine	Fluoxetine-D6	7.542	431963	357779	1.2073	48.9812
Oxazepam	Oxazepam-D5	7.588	593410	629681	0.9424	48.9261

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

TS

b cal 4-50ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.604	139859	132681	1.0541	49.1799
Temazepam	Temazepam-D5	7.647	2635618	2497122	1.0555	47.5031
Buprenorphine	Buprenorphine-D4	7.677	30498	186434	0.1636	4.7194
Nordiazepam	Nordiazepam-D5	7.715	1206813	641075	1.8825	47.8773
Diazepam	Diazepam-D5	7.771	848478	704580	1.2042	46.6755

TS

ISP FORENSICS - Pocatello Instrument # 59740

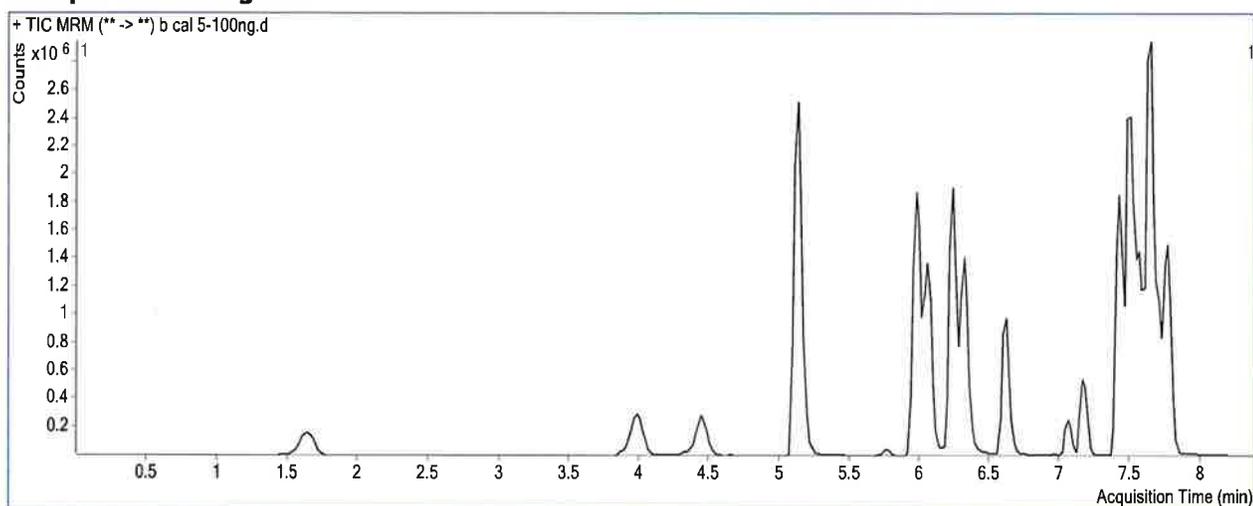
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wklist 2862 2863 TS\QuantResults\P1b MDQ TS.batch.bi
Analysis Time 1/7/2019 11:59 AM **Analyst Name** ISPUser
Report Time 1/7/2019 12:02 PM **Reporter Name** ISPUser
Last Calib Update 1/7/2019 11:59 AM **Batch State** Processed

Analysis Info

Acq Time 2019-01-02 17:36 **Data File** b cal 5-100ng.d
Sample Type Calibration **Sample Name** b cal 5-100ng.d
Dilution 1 **Acq Method** MD Quant Panel 1b 7-11-18.m
Position P1-E1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.648	822449	284251	2.8934	99.7577
Dihydrocodeine	Dihydrocodeine-D6	3.990	714254	359986	1.9841	84.4280
Noroxycodone	Noroxycodone-D3	4.458	996159	336077	2.9641	98.4093
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.140	6901749	3216530	2.1457	96.3147
Benzoylcegonine	Benzoylcegonine-d8	5.751	48971	31145	1.5723	95.2766
Ketamine	Ketamine-D4	5.982	3770596	1433824	2.6297	101.2396
Norfentanyl	Norfentanyl-D5	6.024	377616	1813076	0.2083	9.3759
Cocaine	Cocaine-d3	6.232	1586113	1867380	0.8494	97.1037
alpha-PVP	alpha-PVP-d8	6.328	2295832	1265696	1.8139	95.2836
Mirtazapine	alpha-PVP-d8	6.624	2147853	1265696	1.6970	90.6003
Norbuprenorphine	Norbuprenorphine-D3	6.994	6862	33084	0.2074	9.9575
Fentanyl	Fentanyl-D5	7.079	125553	696071	0.1804	9.2020
Mitragynine	Methadone-D9	7.156	643236	1389754	0.4628	107.1612
EDDP	EDDP-D3	7.188	547101	251142	2.1784	91.6386
Quetiapine	Quetiapine-D8	7.418	4017027	440561	9.1180	99.6633
Cyclobenzaprine	Cyclobenzaprine-D3	7.472	737208	291909	2.5255	95.0745
Methadone	Methadone-D9	7.502	4464801	1389754	3.2127	102.5818
Fluoxetine	Fluoxetine-D6	7.542	2167163	869999	2.4910	96.3951
Oxazepam	Oxazepam-D5	7.588	917325	490343	1.8708	96.0039

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

TS

b cal 5-100ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.604	719168	346931	2.0729	95.7416
Temazepam	Temazepam-D5	7.647	4946707	2294404	2.1560	95.7465
Buprenorphine	Buprenorphine-D4	7.677	124872	333400	0.3745	9.1056
Nordiazepam	Nordiazepam-D5	7.715	2207831	562002	3.9285	98.7253
Diazepam	Diazepam-D5	7.771	1774530	714304	2.4843	94.0986

TS

ISP FORENSICS - Pocatello Instrument # 59740

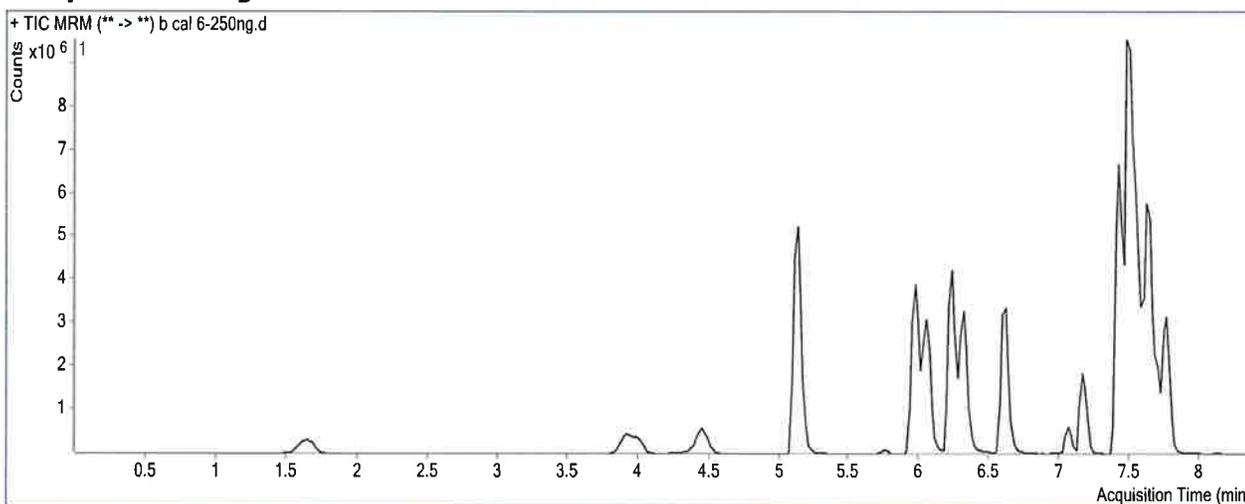
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wkst 2862 2863 TS\QuantResults\P1b MDQ TS.batch.bi
Analysis Time 1/7/2019 11:59 AM **Analyst Name** ISPUser
Report Time 1/7/2019 12:02 PM **Reporter Name** ISPUser
Last Calib Update 1/7/2019 11:59 AM **Batch State** Processed

Analysis Info

Acq Time 2019-01-02 18:08 **Data File** b cal 6-250ng.d
Sample Type Calibration **Sample Name** b cal 6-250ng.d
Dilution 1 **Acq Method** MD Quant Panel 1b 7-11-18.m
Position P1-F1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.648	1963513	255938	7.6718	262.5592
Dihydrocodeine	Dihydrocodeine-D6	3.930	1807536	99655	18.1379	739.5365
Noroxycodone	Noroxycodone-D3	4.458	2515928	319134	7.8836	260.1807
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.140	18017529	3126310	5.7632	257.1617
Benzoylcegonine	Benzoylcegonine-d8	5.751	130648	30950	4.2212	255.5303
Ketamine	Ketamine-D4	5.982	9980890	1537279	6.4926	248.8202
Norfentanyl	Norfentanyl-D5	6.024	1031345	1828955	0.5639	24.3589
Cocaine	Cocaine-d3	6.232	4083390	1933586	2.1118	240.5688
alpha-PVP	alpha-PVP-d8	6.328	6493381	1347352	4.8194	253.2981
Mirtazapine	alpha-PVP-d8	6.624	7650831	1347352	5.6784	265.5118
Norbuprenorphine	Norbuprenorphine-D3	6.974	23893	43790	0.5456	25.1612
Fentanyl	Fentanyl-D5	7.059	609082	1191178	0.5113	26.0644
Mitragynine	Methadone-D9	7.156	2744340	2384115	1.1511	264.6220
EDDP	EDDP-D3	7.168	1761527	313243	5.6235	231.4119
Quetiapine	Quetiapine-D8	7.418	14429959	612500	23.5591	256.4740
Cyclobenzaprine	Cyclobenzaprine-D3	7.472	3769427	596019	6.3243	236.8009
Methadone	Methadone-D9	7.502	19835158	2384115	8.3197	263.1055
Fluoxetine	Fluoxetine-D6	7.542	12211148	1809886	6.7469	253.5950
Oxazepam	Oxazepam-D5	7.568	1304664	270341	4.8260	245.8607

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

TS

b cal 6-250ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.604	3894284	726682	5.3590	245.9163
Temazepam	Temazepam-D5	7.647	9633102	1690473	5.6985	251.0373
Buprenorphine	Buprenorphine-D4	7.677	512834	490830	1.0448	23.0424
Nordiazepam	Nordiazepam-D5	7.715	4067724	403128	10.0904	251.8609
Diazepam	Diazepam-D5	7.771	4128431	642551	6.4251	240.0967

TS

ISP FORENSICS - Pocatello Instrument # 59740

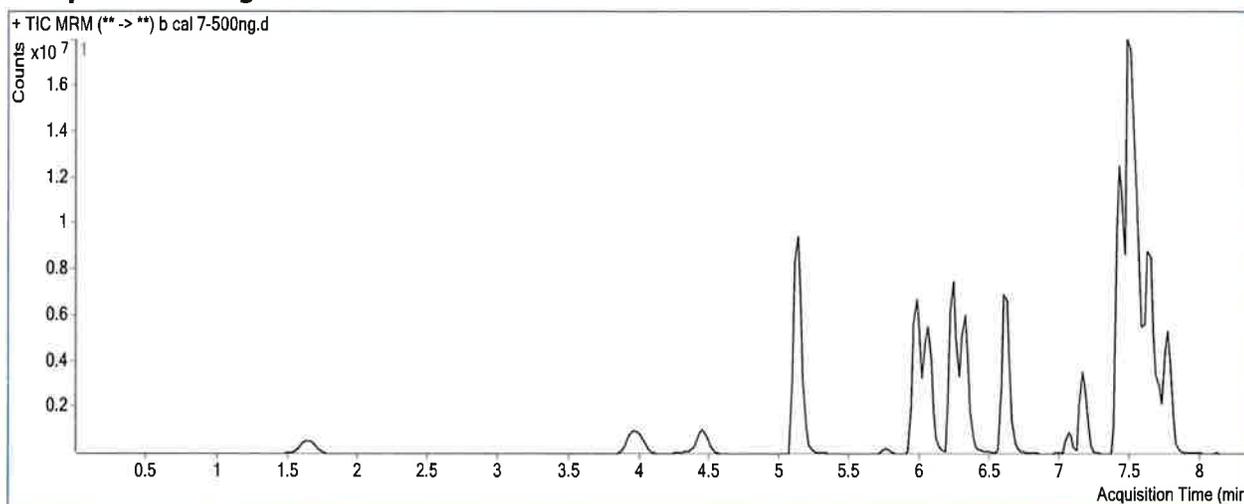
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wklist 2862 2863 TS\QuantResults\P1b MDQ TS.batch.bi
Analysis Time 1/7/2019 11:59 AM **Analyst Name** ISPUser
Report Time 1/7/2019 12:02 PM **Reporter Name** ISPUser
Last Calib Update 1/7/2019 11:59 AM **Batch State** Processed

Analysis Info

Acq Time 2019-01-02 18:39 **Data File** b cal 7-500ng.d
Sample Type Calibration **Sample Name** b cal 7-500ng.d
Dilution 1 **Acq Method** MD Quant Panel 1b 7-11-18.m
Position P1-G1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.648	3779063	241608	15.6413	534.0789
Dihydrocodeine	Dihydrocodeine-D6	3.970	3493497	343939	10.1573	415.8893
Noroxycodone	Noroxycodone-D3	4.458	4792947	297914	16.0884	529.9819
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.140	36084663	2989892	12.0689	537.5369
Benzoylcegonine	Benzoylcegonine-d8	5.751	297286	30275	9.8195	594.2299
Ketamine	Ketamine-D4	5.982	19964587	1451357	13.7558	526.3147
Norfentanyl	Norfentanyl-D5	6.024	1890154	1617003	1.1689	49.8496
Cocaine	Cocaine-d3	6.232	7778419	1770283	4.3939	499.9042
alpha-PVP	alpha-PVP-d8	6.328	12827899	1278771	10.0314	527.3249
Mirtazapine	alpha-PVP-d8	6.604	16099249	1278771	12.5896	569.1325
Norbuprenorphine	Norbuprenorphine-D3	6.974	43206	42227	1.0232	46.6279
Fentanyl	Fentanyl-D5	7.059	1321589	1212801	1.0897	55.5332
Mitragynine	Methadone-D9	7.156	5184896	2319538	2.2353	512.6739
EDDP	EDDP-D3	7.168	3719517	302957	12.2774	501.3735
Quetiapine	Quetiapine-D8	7.418	27800252	582570	47.7200	518.8285
Cyclobenzaprine	Cyclobenzaprine-D3	7.472	8110848	604398	13.4197	501.5119
Methadone	Methadone-D9	7.502	37652145	2319538	16.2326	511.8213
Fluoxetine	Fluoxetine-D6	7.542	24608131	1744543	14.1058	525.4073
Oxazepam	Oxazepam-D5	7.568	1821584	179358	10.1561	516.1486

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

TS

b cal 7-500ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.604	7008696	627377	11.1714	511.5484
Temazepam	Temazepam-D5	7.647	15855869	1300857	12.1888	535.5518
Buprenorphine	Buprenorphine-D4	7.677	1030770	463126	2.2257	47.5949
Nordiazepam	Nordiazepam-D5	7.715	5888879	281270	20.9368	521.4151
Diazepam	Diazepam-D5	7.771	7385596	559775	13.1939	490.8671

TS

ISP FORENSICS - Pocatello Instrument # 59740

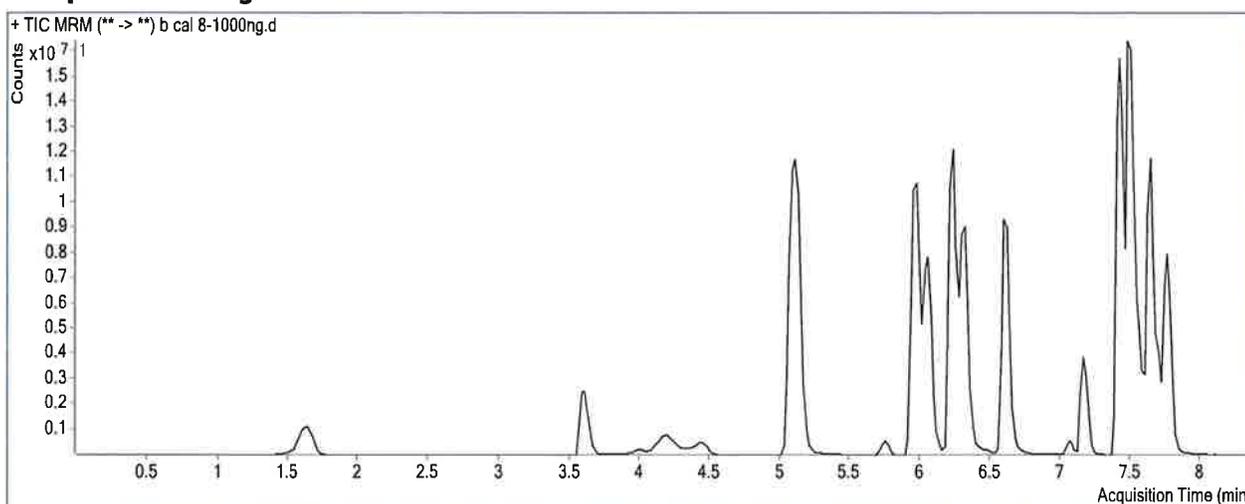
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\010219 MDQ P1 P2 wkst 2862 2863 TS\QuantResults\P1b MDQ TS.batch.bi
Analysis Time 1/7/2019 11:59 AM **Analyst Name** ISPUser
Report Time 1/7/2019 12:02 PM **Reporter Name** ISPUser
Last Calib Update 1/7/2019 11:59 AM **Batch State** Processed

Analysis Info

Acq Time 2019-01-02 19:11 **Data File** b cal 8-1000ng.d
Sample Type Calibration **Sample Name** b cal 8-1000ng.d
Dilution 1 **Acq Method** MD Quant Panel 1b 7-11-18.m
Position P1-H1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.648	6886818	230979	29.8158	1017.0075
Dihydrocodeine	Dihydrocodeine-D6	4.010	416266	15298	27.2106	1107.4765
Noroxycodone	Noroxycodone-D3	4.458	3011721	89749	33.5570	1104.4119
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.120	65325942	2766179	23.6159	1050.9633
Benzoylcegonine	Benzoylcegonine-d8	5.751	727849	31429	23.1585	1401.2338
Ketamine	Ketamine-D4	5.962	36197136	1351790	26.7772	1023.8015
Norfentanyl	Norfentanyl-D5	6.024	3200050	1338856	2.3901	101.3012
Cocaine	Cocaine-d3	6.232	13687222	1532880	8.9291	1015.2886
alpha-PVP	alpha-PVP-d8	6.328	21159917	1038254	20.3803	1071.4219
Mirtazapine	alpha-PVP-d8	6.604	21579061	1038254	20.7840	929.1247
Norbuprenorphine	Norbuprenorphine-D3	6.974	35578	14955	2.3790	107.5753
Fentanyl	Fentanyl-D5	7.059	944527	435469	2.1690	110.5240
Mitragynine	Methadone-D9	7.156	3945238	1054596	3.7410	857.1485
EDDP	EDDP-D3	7.168	5853506	230923	25.3483	1031.6867
Quetiapine	Quetiapine-D8	7.418	36798041	417203	88.2018	958.4049
Cyclobenzaprine	Cyclobenzaprine-D3	7.472	4997617	183144	27.2880	1018.9021
Methadone	Methadone-D9	7.502	35056495	1054596	33.2416	1046.4441
Fluoxetine	Fluoxetine-D6	7.542	10900596	414654	26.2884	975.3938
Oxazepam	Oxazepam-D5	7.568	2894008	136227	21.2440	1078.4079

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

TS

b cal 8-1000ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.604	2948781	124717	23.6438	1081.5440
Temazepam	Temazepam-D5	7.647	26314429	1034244	25.4432	1116.5804
Buprenorphine	Buprenorphine-D4	7.677	738064	148035	4.9857	104.9824
Nordiazepam	Nordiazepam-D5	7.715	8317246	195172	42.6149	1060.1617
Diazepam	Diazepam-D5	7.771	11922297	430203	27.7132	1028.7776