




















**Worklist: 2637**

<u>LAB_CASE</u>	<u>ITEM</u>	<u>TASK_ID</u>	<u>DESCRIPTION</u>	
M2018-3378	1	124322	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-3413	1	124323	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-3443	1	124324	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-3546	3	124325	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-3710	3	124326	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-2002	1	124327	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-2003	1	124328	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-2004	1	124329	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-2005	1	124330	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-2046	1	124331	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-2047	1	124332	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-2048	1	124333	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-2074	1	124334	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-2079	1	124335	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-2081	1	124336	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-2087	1	124337	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-2088	1	124338	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-2089	1	124339	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-2104	1	124340	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	

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

Extraction Date: 08/15/18

Analyst: Sarah Pickle

Plate lot#: 0530563

Plate Expiration: 05/21/19

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: 361331-1

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

LCMS-QQQ ID: 59740

Pre-Analytic:

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

Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Pipette **250µL blood (calibrated pipette) Pipette ID: #3** in wells of analytical (standards) plate.
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. *Shaker ID: 067105*
- 4. Pipette **250µL 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: 081518 P1 P2 SP Batch Name: *081518 MDQ P1a, 081518 MDQ P1b*
- 2. Make necessary changes to integration limits
- 3. Integration linear and R^2 values ≥ 0.98 for each analyte.
- 4. For unknown samples and controls: response ratio within 20% of average of controls and standards, RT within +/- 5% (tramadol RT +/-2%), S/N for primary transition >10 and secondary transitions >5.
- 5. Did all QCs pass for each analyte? Y / N _____ Add Control data to QC tracking spreadsheet.
- 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports.

COMMENTS: *Curve Range Limited: amphetamine 10-1000, lorazepam 10-1000, norhydrocodone 5-250, tramadol 5-500, zolpidem 5-500, cyclobenzaprine 25-1000, fentanyl 2.5-100, fluoxetine 25-1000, mirtazapine 5-500, mitragynine 25-1000, norfentanyl 2.5-100, o-desmethyl-tramadol 5-500, quetiapine 5-500*
Did not evaluate: benzoylcegonine, buprenorphine, norbuprenorphine
QC 100 fentanyl not evaluated due to cut off secondary peak

P



Idaho State Police Forensic Services

R

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

Analyst: Sarah Pickle
Extraction Date: 08/15/18
Worklist Number: 2637

Reagent	Lot Number	Expiration Date	Date in Service	Date Out of Service	Initials
ToxBox Benzo/Opiate Quant Plate	0530563	05/21/19			
Negative Blood	361331-1		05/25/18		
Methanol External Control Solution	121217	12/12/18	12/12/17		
Blood External Control Solution	WS121217	12/12/18	12/12/17		
0.5M Ammonium Hydroxide	032918	09/29/18	03/29/18		
Formic Acid (LCMS Grade)	095180B		11/15/17		
Water (LCMS Grade)	181370		6/21/18		
Methanol (LCMS Grade)	177145		04/11/18		
Ammonium Formate (LCMS Grade)	A0287238		01/30/17		
Ammonium Hydroxide (ACS grade or better)	053200		08/03/07		
Ethyl Acetate (ACS grade or better)	100362		06/26/17		
20% LCMS Methanol in LCMS Water	081518	Make fresh	08/15/18		
5mM Ammonium Formate + 0.01% Formic Acid in Water (Mobile Phase A)	081518		08/15/18		
0.01% Formic Acid in Methanol (Mobile Phase B)	081518		08/15/18		
Needle Rinse--75% LCMS MeOH in LCMS Water	081518		08/15/18		

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

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

Blood External Control Solution (Lot: WS121217)

50 ul of methanol external control solution was added to 9950 ul of blood. Concentration 50ng/mL each

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
Negative Blood	Hemostat	361331-3
Methanol External Control Solution		121217
Prepared:	12/12/17	
Prepared by:	Tamara Salazar	
Expires:	12/12/18	

0.5M Ammonium Hydroxide (Lot: 032918)

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

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

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
MeOH (LCMS Grade)	Fisher	177145
Water (LCMS Grade)	Fisher	181370

5mM Ammonium Formate + 0.01% Formic Acid in Water (Lot: 081518)

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
Ammonium Formate	Arcos Organics	A0287238
LCMS Water	Fisher	181370
Formic Acid	Fisher	095180B
Prepared:	08/15/18	
Prepared By:	Sarah Pickle	

0.01% Formic Acid in LCMS Methanol (Mobile Phase B) (Lot: 081518)

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
Formic Acid	Fisher	095180B
MeOH (LCMS Grade)	Fisher	177145
Prepared:	08/15/18	
Prepared By:	Sarah Pickle	

Needle Rinse (75% LCMS MeOH in LCMS Water) (Lot: 081518)

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
MeOH (LCMS Grade)	Fisher	177145
Water (LCMS Grade)	Fisher	181370
Prepared:	08/15/18	
Prepared By:	Sarah Pickle	

D

ISP FORENSICS - Pocatello Instrument # 59740

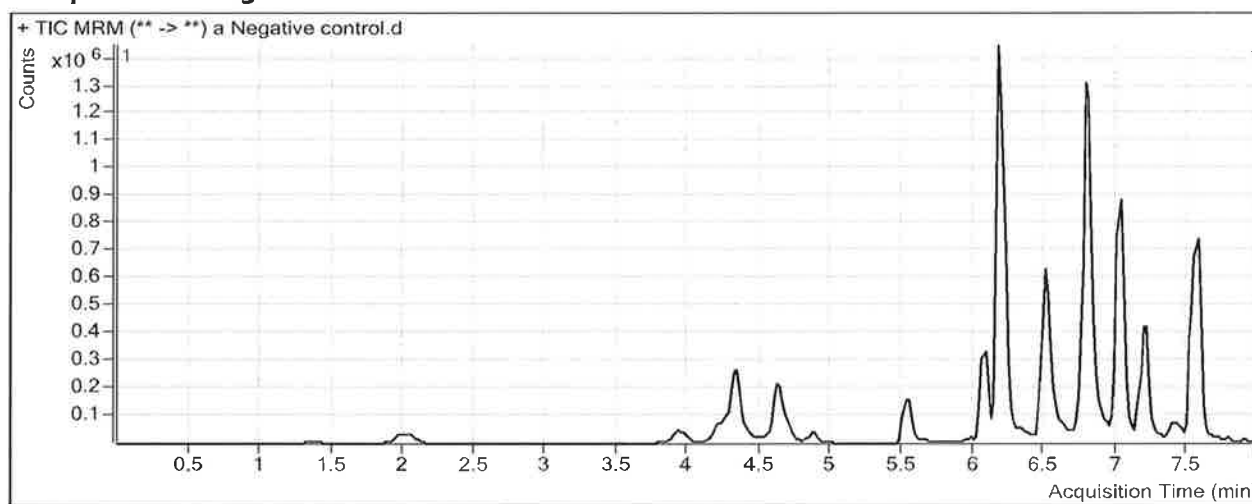
Multi-Drug Confirmatory Analysis Report

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Report Time 8/20/2018 2:00 PM **Reporter Name** ISPUser
Last Calib Update 8/20/2018 1:49 PM **Batch State** Processed

Analysis Info

Acq Time 2018-08-15 18:25 **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-D11 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



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ISP FORENSICS - Pocatello Instrument # 59740

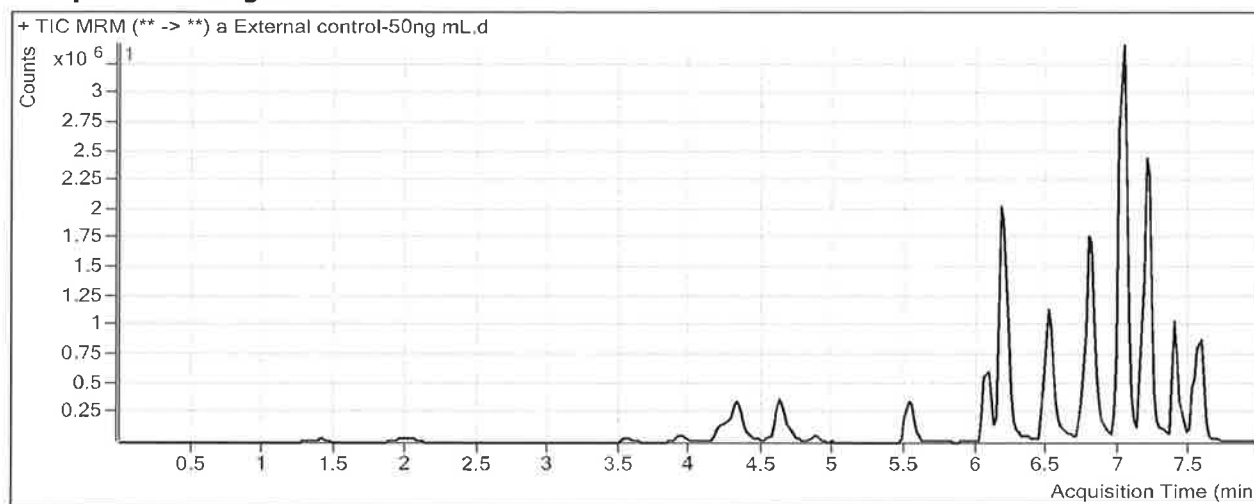
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\081518 P1 P2 SP\QuantResults\081518 MDQ P1a.batch.bin
Analysis Time 8/20/2018 1:50 PM **Analyst Name** ISPUser
Report Time 8/20/2018 2:00 PM **Reporter Name** ISPUser
Last Calib Update 8/20/2018 1:49 PM **Batch State** Processed

Analysis Info

Acq Time 2018-08-15 18:57 **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-C11 **Sample Info**
Inj Vol -1 **Comment** AM 28; WS121217 50 ng trazodone, ketamine, morphine, quetiapine

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.388	153712	56647	2.7135	44.8647
Trazodone	Trazodone-D6	7.016	2868298	1885020	1.5216	44.8756

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

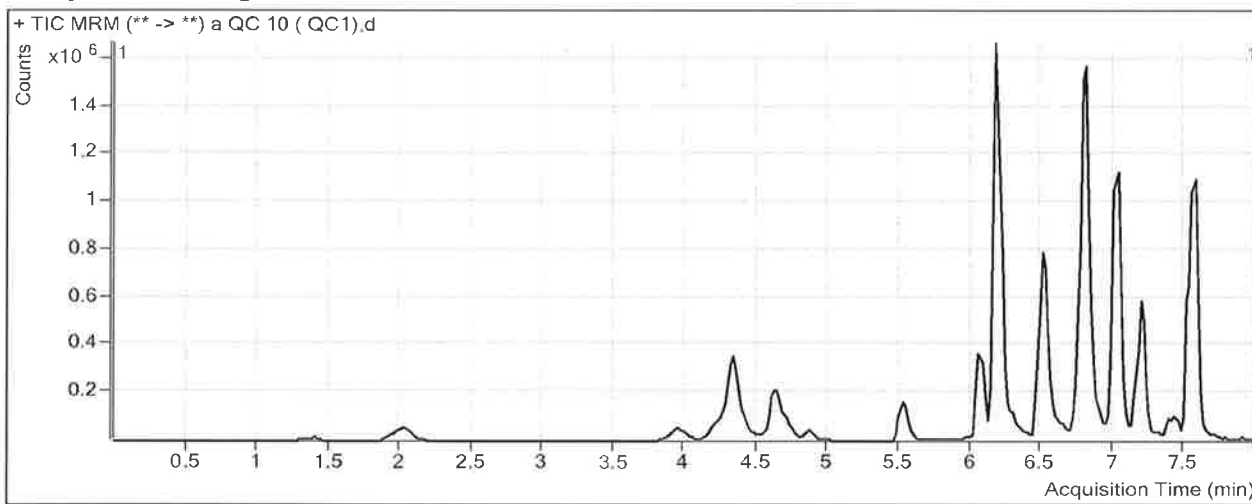
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Batch Data Path C:\MassHunter\Data\2018\MD Quant\081518 P1 P2 SP\QuantResults\081518 MDQ P1a.batch.bin
Analysis Time 8/20/2018 1:50 PM **Analyst Name** ISPUser
Report Time 8/20/2018 2:00 PM **Reporter Name** ISPUser
Last Calib Update 8/20/2018 1:49 PM **Batch State** Processed

Analysis Info

Acq Time 2018-08-15 20:00 **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-H11 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.388	25976	47807	0.5434	9.4123
Hydromorphone	Hydromorphone-D6	2.029	90016	348261	0.2585	9.4469
Codeine	Codeine-D6	3.992	37862	147587	0.2565	9.7008
Amphetamine	Amphetamine-D11	4.343	514669	332220	1.5492	11.5165
Oxycodone	Oxycodone-D6	4.350	325516	1263943	0.2575	10.3038
Hydrocodone	Hydrocodone-D6	4.655	108517	683411	0.1588	10.0161
Norhydrocodone	Norhydrocodone-D3	4.698	6232	171314	0.0364	10.7368
Methamphetamine	Methamphetamine-D11	4.744	151067	372086	0.4060	9.3363
6-MAM	6-MAM-D6	4.849	3458	147016	0.0235	0.8756
Phentermine	Phentermine-D5	5.586	71669	663619	0.1080	9.5184
Dextrophan	Dextrophan-D3	6.063	126803	1092070	0.1161	9.2061
7-aminoclonazepam	7-Aminoclonazepam-D4	6.174	173384	693304	0.2501	9.8468
Tramadol	Tramadol-13C-D3	6.203	1020380	5037655	0.2026	10.0553
Metoprolol	Tramadol-13C-D3	6.302	86811	5037655	0.0172	10.5625
Doxylamine	Doxylamine-D5	6.522	467644	2905243	0.1610	9.4356
Bupropion	Bupropion-D9	6.771	123772	417477	0.2965	10.1733
Zolpidem	Zolpidem-D6	6.801	839081	5569273	0.1507	9.3993
Meprobamate	Meprobamate-D7	6.873	85666	303401	0.2824	9.9993
Trazodone	Trazodone-D6	7.016	132753	399398	0.3324	10.5255
Venlafaxine	Venlafaxine-D6	7.026	680585	2823369	0.2411	9.2876

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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	7.159	122367	550313	0.2224	10.5860
Dextromethorphan	Dextromethorphan-D3	7.191	31639	104626	0.3024	10.6340
Diphenhydramine	Diphenhydramine-D3	7.214	208022	1172329	0.1774	9.0866
Promethazine	Promethazine-D3	7.389	40242	188316	0.2137	9.1170
Clonazepam	Clonazepam-D4	7.425	98144	74643	1.3148	10.7052
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.501	35393	161781	0.2188	9.4300
Carisoprodol	Carisoprodol-D7	7.534	293232	1257983	0.2331	9.8858
Lorazepam	Clonazepam-D4	7.543	33543	74643	0.4494	11.0202
Alprazolam	Alprazolam-D5	7.568	677224	2083608	0.3250	9.6433

B

ISP FORENSICS - Pocatello Instrument # 59740

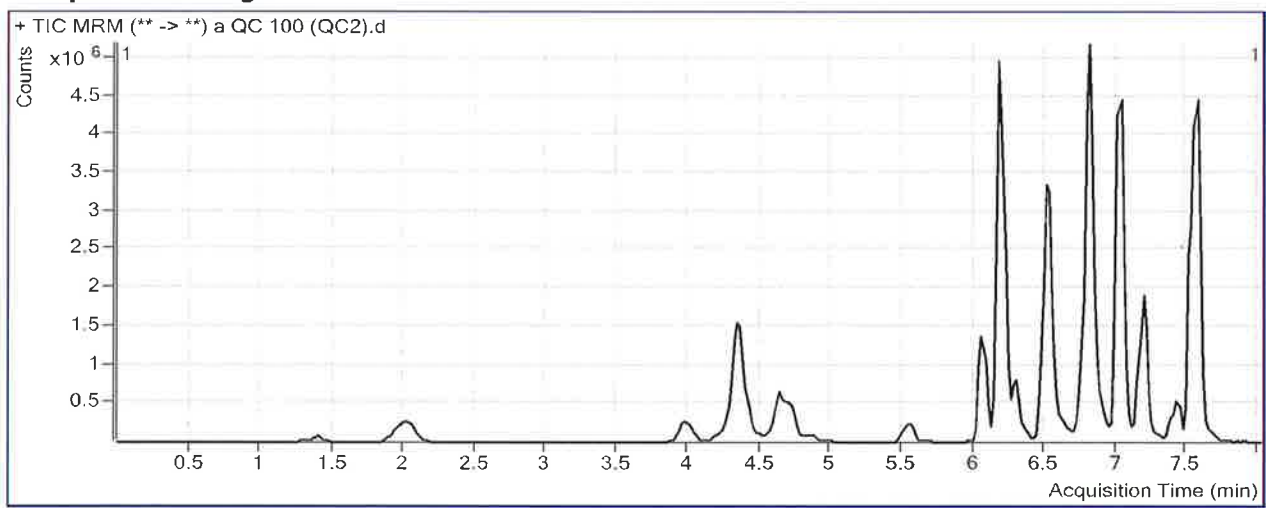
Multi-Drug Confirmatory Analysis Report

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Analysis Time 8/20/2018 1:50 PM **Analyst Name** ISPUser
Report Time 8/20/2018 2:00 PM **Reporter Name** ISPUser
Last Calib Update 8/20/2018 1:49 PM **Batch State** Processed

Analysis Info

Acq Time 2018-08-15 22:06 **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-G11 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.388	263601	37537	7.0225	115.2587
Hydromorphone	Hydromorphone-D6	2.029	1105347	351792	3.1420	99.6347
Codeine	Codeine-D6	3.972	426187	159411	2.6735	93.5796
Amphetamine	Amphetamine-D11	4.343	2718040	300972	9.0309	100.1195
Oxycodone	Oxycodone-D6	4.350	3964811	1354104	2.9280	99.0763
Hydrocodone	Hydrocodone-D6	4.635	1329196	728383	1.8249	99.9819
Norhydrocodone	Norhydrocodone-D3	4.678	61963	167314	0.3703	104.6914
Methamphetamine	Methamphetamine-D11	4.724	1586540	336376	4.7166	102.4426
6-MAM	6-MAM-D6	4.869	38985	148977	0.2617	9.0746
Phentermine	Phentermine-D5	5.566	797556	653370	1.2207	101.8423
Dextrorphan	Dextrorphan-D3	6.063	1591929	1111762	1.4319	102.0955
7-aminoclonazepam	7-Aminoclonazepam-D4	6.174	1962110	689246	2.8467	106.0851
Tramadol	Tramadol-13C-D3	6.203	11474270	5347789	2.1456	104.8384
Metoprolol	Tramadol-13C-D3	6.302	964989	5347789	0.1804	101.6143
Doxylamine	Doxylamine-D5	6.522	5879139	3113554	1.8882	102.5652
Bupropion	Bupropion-D9	6.771	1073656	370206	2.9002	89.2487
Zolpidem	Zolpidem-D6	6.801	10474409	5705696	1.8358	104.5558
Meprobamate	Meprobamate-D7	6.873	979790	267860	3.6578	113.2689
Trazodone	Trazodone-D6	7.016	1830463	485321	3.7717	109.8653
Venlafaxine	Venlafaxine-D6	7.006	8016559	2739318	2.9265	110.3742

ISP FORENSICS - Pocatello Instrument # 59740

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

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Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.159	1288226	518077	2.4866	100.6130
Dextromethorphan	Dextromethorphan-D3	7.191	293449	105958	2.7695	87.8951
Diphenhydramine	Diphenhydramine-D3	7.194	2349489	1138915	2.0629	93.8033
Promethazine	Promethazine-D3	7.389	562799	193443	2.9094	93.8315
Clonazepam	Clonazepam-D4	7.425	1157595	89038	13.0012	93.1338
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.501	417495	159916	2.6107	98.1398
Carisoprodol	Carisoprodol-D7	7.534	3135678	1153584	2.7182	104.2933
Lorazepam	Clonazepam-D4	7.543	387303	89038	4.3499	79.7958
Alprazolam	Alprazolam-D5	7.568	7189804	1896927	3.7902	104.9992

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

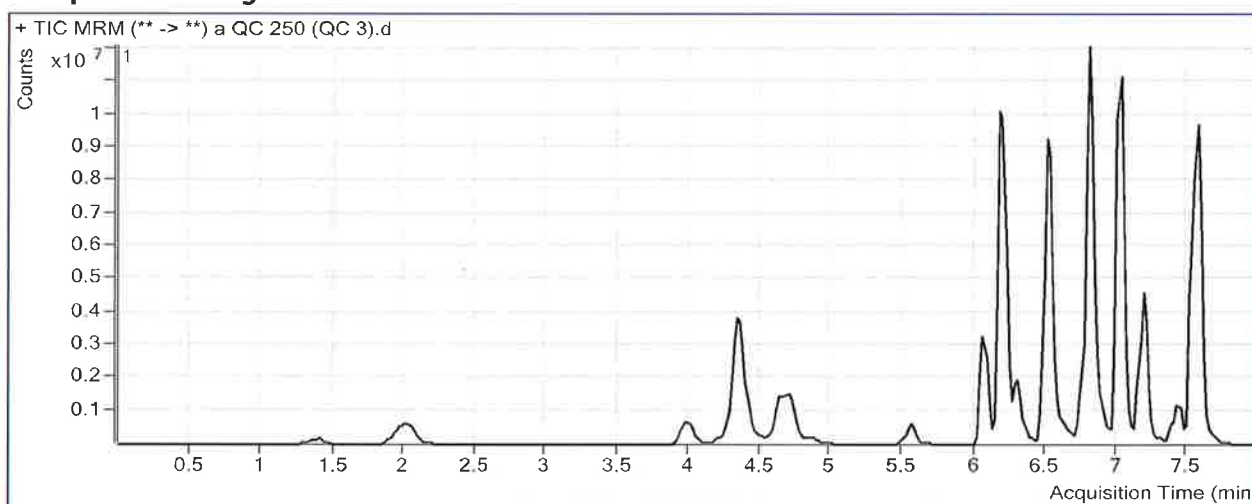
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Report Time 8/20/2018 2:01 PM **Reporter Name** ISPUser
Last Calib Update 8/20/2018 1:49 PM **Batch State** Processed

Analysis Info

Acq Time 2018-08-16 00:27 **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-F11 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.388	699139	41475	16.8570	275.9184
Hydromorphone	Hydromorphone-D6	2.029	2997126	348066	8.6108	270.6780
Codeine	Codeine-D6	3.992	1166469	152396	7.6542	266.4300
Amphetamine	Amphetamine-D11	4.343	7125206	320106	22.2589	256.7742
Oxycodone	Oxycodone-D6	4.350	10716582	1343302	7.9778	266.9442
Hydrocodone	Hydrocodone-D6	4.635	3632434	769544	4.7202	256.3289
Norhydrocodone	Norhydrocodone-D3	4.678	168163	152100	1.1056	311.5471
Methamphetamine	Methamphetamine-D11	4.724	4998796	388410	12.8699	278.5508
6-MAM	6-MAM-D6	4.869	105913	150550	0.7035	24.2847
Phentermine	Phentermine-D5	5.566	2398736	702375	3.4152	283.9286
Dextrophan	Dextrophan-D3	6.063	4396483	1151772	3.8171	270.4850
7-aminoclonazepam	7-Aminoclonazepam-D4	6.174	4997262	651941	7.6652	284.6682
Tramadol	Tramadol-13C-D3	6.203	29672154	5654505	5.2475	256.1508
Metoprolol	Tramadol-13C-D3	6.302	2601659	5654505	0.4601	257.6263
Doxylamine	Doxylamine-D5	6.502	17531075	3413241	5.1362	277.6855
Bupropion	Bupropion-D9	6.771	2941620	352947	8.3345	254.2912
Zolpidem	Zolpidem-D6	6.801	27663978	5753844	4.8079	272.3884
Meprobamate	Meprobamate-D7	6.873	2381715	275380	8.6488	265.9632
Trazodone	Trazodone-D6	7.016	5229878	550424	9.5015	275.3672
Venlafaxine	Venlafaxine-D6	7.026	21910081	2945915	7.4374	280.1791

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ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report a QC 250 (QC 3)

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.159	3535230	570024	6.2019	248.3392
Dextromethorphan	Dextromethorphan-D3	7.191	876915	111782	7.8449	246.8404
Diphenhydramine	Diphenhydramine-D3	7.214	7031321	1227792	5.7268	258.4258
Promethazine	Promethazine-D3	7.389	1405981	176802	7.9523	252.3103
Clonazepam	Clonazepam-D4	7.445	2685421	75305	35.6608	252.9612
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.501	1118601	162821	6.8701	256.1089
Carisoprodol	Carisoprodol-D7	7.534	7390104	1036638	7.1289	271.8532
Lorazepam	Clonazepam-D4	7.543	1028924	75305	13.6635	244.0176
Alprazolam	Alprazolam-D5	7.568	17045395	1756467	9.7044	267.7444

D

ISP FORENSICS - Pocatello Instrument # 59740

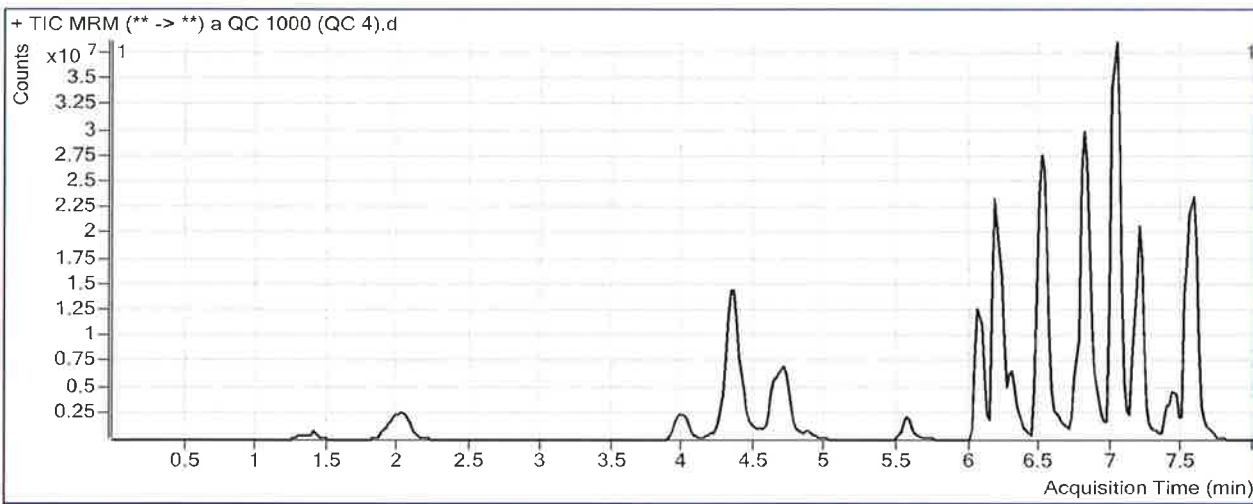
Multi-Drug Confirmatory Analysis Report

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Analysis Time	8/20/2018 1:50 PM	Analyst Name	ISPUser
Report Time	8/20/2018 2:01 PM	Reporter Name	ISPUser
Last Calib Update	8/20/2018 1:49 PM	Batch State	Processed

Analysis Info

Acq Time	2018-08-16 03:36	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-E11	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	1.368	3288616	48471	67.8475	1108.9207
Hydromorphone	Hydromorphone-D6	2.029	13481217	388175	34.7297	1087.5859
Codeine	Codeine-D6	3.992	4759855	170704	27.8836	968.4729
Amphetamine	Amphetamine-D11	4.343	26883236	403386	66.6439	782.4095
Oxycodone	Oxycodone-D6	4.350	47553063	1593304	29.8456	993.8834
Hydrocodone	Hydrocodone-D6	4.635	15585442	863691	18.0452	975.8581
Norhydrocodone	Norhydrocodone-D3	4.698	856288	148610	5.7620	1621.5496 *
Methamphetamine	Methamphetamine-D11	4.724	24312460	505749	48.0722	1038.9054
6-MAM	6-MAM-D6	4.869	515749	180592	2.8559	98.3816
Phentermine	Phentermine-D5	5.566	9876452	834302	11.8380	982.8034
Dextrophan	Dextrophan-D3	6.063	19005295	1313001	14.4747	1022.8679
7-aminoclonazepam	7-Aminoclonazepam-D4	6.174	16620946	666545	24.9360	924.7620
Tramadol	Tramadol-13C-D3	6.203	80536423	5854462	13.7564	671.2174 *
Metoprolol	Tramadol-13C-D3	6.302	9564186	5854462	1.6337	912.3149
Doxylamine	Doxylamine-D5	6.502	64868009	4384369	14.7953	798.4755
Bupropion	Bupropion-D9	6.771	11853171	390854	30.3263	922.1959
Zolpidem	Zolpidem-D6	6.801	82291013	6327122	13.0061	735.3284 *
Meprobamate	Meprobamate-D7	6.873	10010536	269779	37.1065	1136.5937
Trazodone	Trazodone-D6	7.016	30429396	915873	33.2245	960.5805
Venlafaxine	Venlafaxine-D6	7.026	73813540	3479148	21.2160	798.8402

*outside curve range. P

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report a QC 1000 (QC4)

D

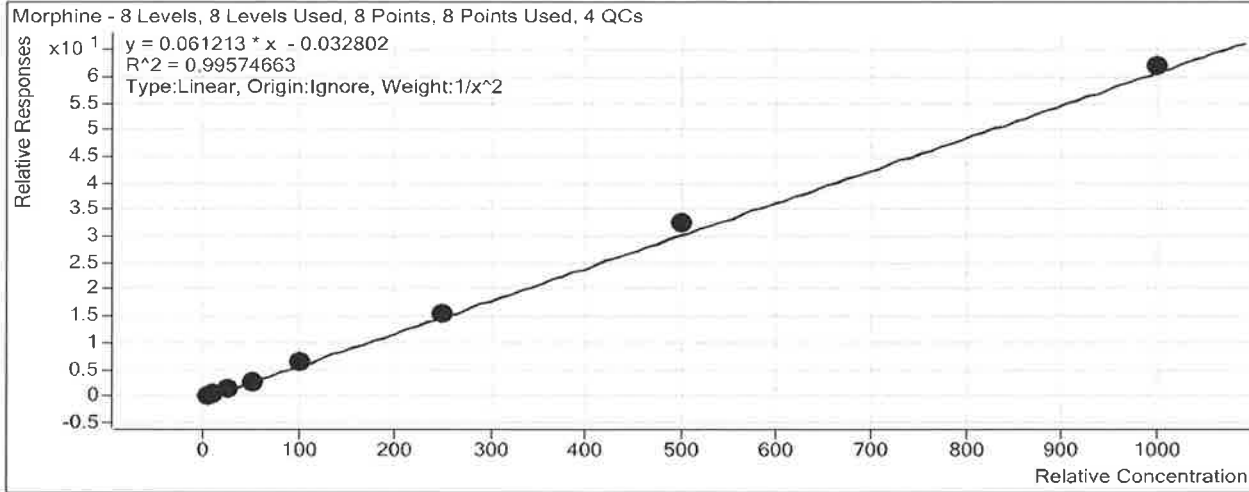
Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.159	17990955	688952	26.1135	1040.0477
Dextromethorphan	Dextromethorphan-D3	7.191	4732178	156005	30.3335	951.1127
Diphenhydramine	Diphenhydramine-D3	7.214	33506974	1480256	22.6359	1018.1733
Promethazine	Promethazine-D3	7.389	8006878	244968	32.6853	1029.5706
Clonazepam	Clonazepam-D4	7.445	10616469	80054	132.6161	936.8263
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.501	4467049	166064	26.8996	998.9388
Carisoprodol	Carisoprodol-D7	7.534	21690452	794094	27.3147	1038.6977
Lorazepam	Clonazepam-D4	7.543	4601534	80054	57.4803	1016.6140
Alprazolam	Alprazolam-D5	7.568	47047345	1317160	35.7188	983.6104

ISP Forensics Calibration Curve Report

B

Batch Data Path C:\MassHunter\Data\2018\MD Quant\081518 P1 P2 SP\QuantResults\081518 MDQ
P1a.batch.bin
Last Calib Update 8/20/2018 1:49 PM **Analyst Name** ISP TOX

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



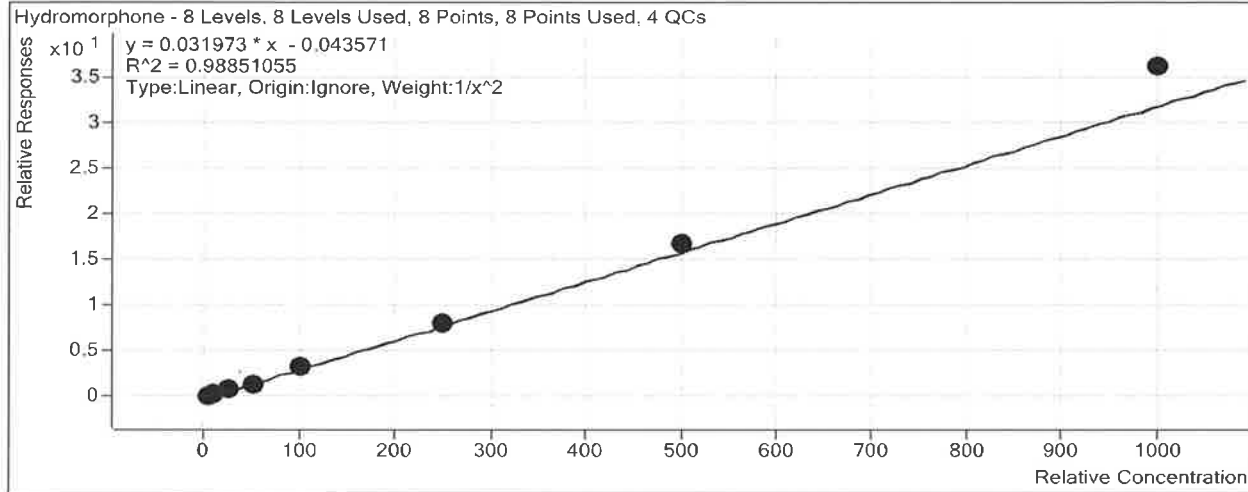
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a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.2	105.0
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.3	93.5
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.4	94.1
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.1	92.5
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	47.2	94.5
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	104.5	104.5
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	115.3	115.3
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	255.9	102.3
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	275.9	110.4
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	532.6	106.5
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1012.6	101.3
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1108.9	110.9

ISP Forensics Calibration Curve Report

P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\081518 P1 P2 SP\QuantResults\081518 MDQ
P1a.batch.bin
Last Calib Update 8/20/2018 1:49 PM **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	5.4	108.5
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	8.8	88.3
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.4	94.5
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	22.6	90.2
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	44.9	89.8
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	103.9	103.9
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	99.6	99.6
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	253.8	101.5
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	270.7	108.3
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	524.2	104.8
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1128.7	112.9
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1087.6	108.8

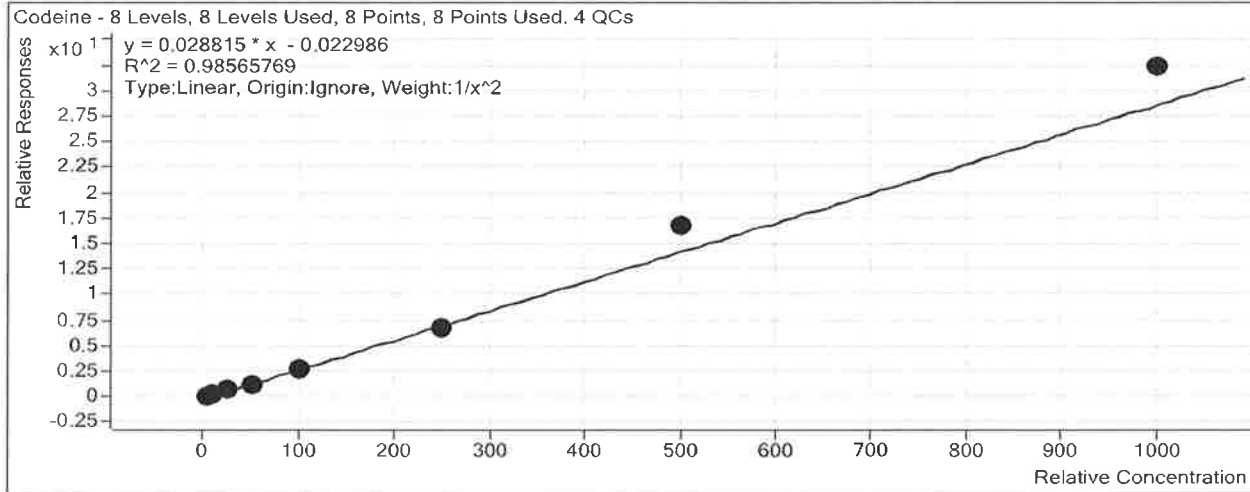
ISP Forensics Calibration Curve Report

D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\081518 P1 P2 SP\QuantResults\081518 MDQ
P1a.batch.bin

Last Calib Update 8/20/2018 1:49 PM **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	103.7
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.8	98.3
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.7	97.0
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.5	94.0
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	41.8	83.5
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	97.8	97.8
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	93.6	93.6
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	236.1	94.4
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	266.4	106.6
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	580.2	116.0
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1122.6	112.3
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	968.5	96.8

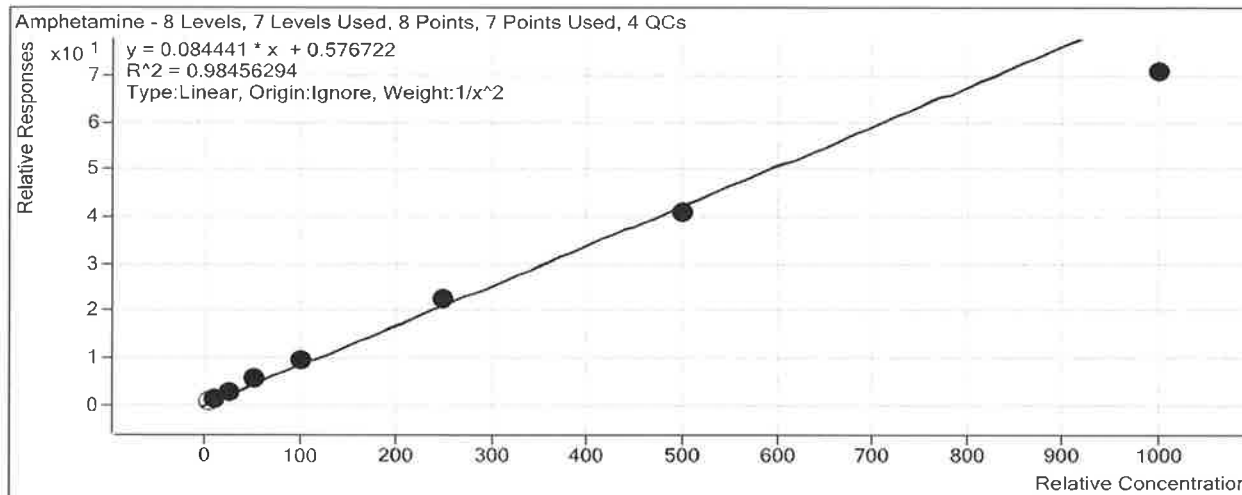
ISP Forensics Calibration Curve Report

P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\081518 P1 P2 SP\QuantResults\081518 MDQ
P1a.batch.bin

Last Calib Update 8/20/2018 1:49 PM **Analyst Name** ISP TOX

Target Compound Amphetamine
Internal Standard Amphetamine-D11

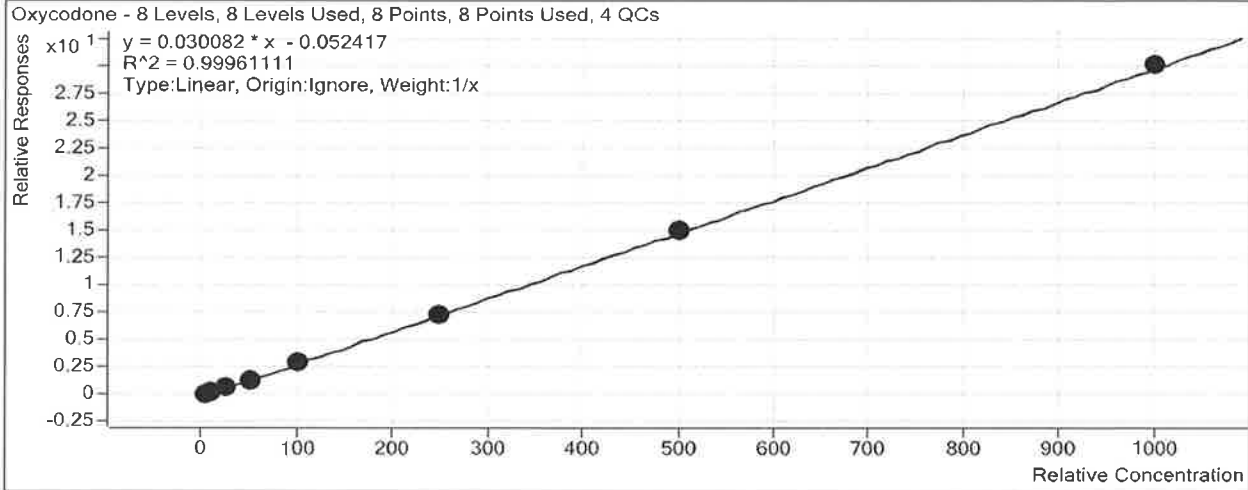


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input type="checkbox"/>	5	6.0	119.7
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.7	97.3
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	11.5	115.2
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	24.2	96.7
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	59.0	117.9
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	105.9	105.9
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	100.1	100.1
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	259.0	103.6
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	256.8	102.7
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	477.7	95.5
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	831.0	83.1
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	782.4	78.2

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\081518 P1 P2 SP\QuantResults\081518 MDQ
P1a.batch.bin
Last Calib Update 8/20/2018 1:49 PM
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	5.9	117.7
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.7	96.9
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.3	103.0
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	46.4	92.8
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	99.1	99.1
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	247.2	98.9
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	266.9	106.8
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	500.9	100.2
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1005.7	100.6
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	993.9	99.4

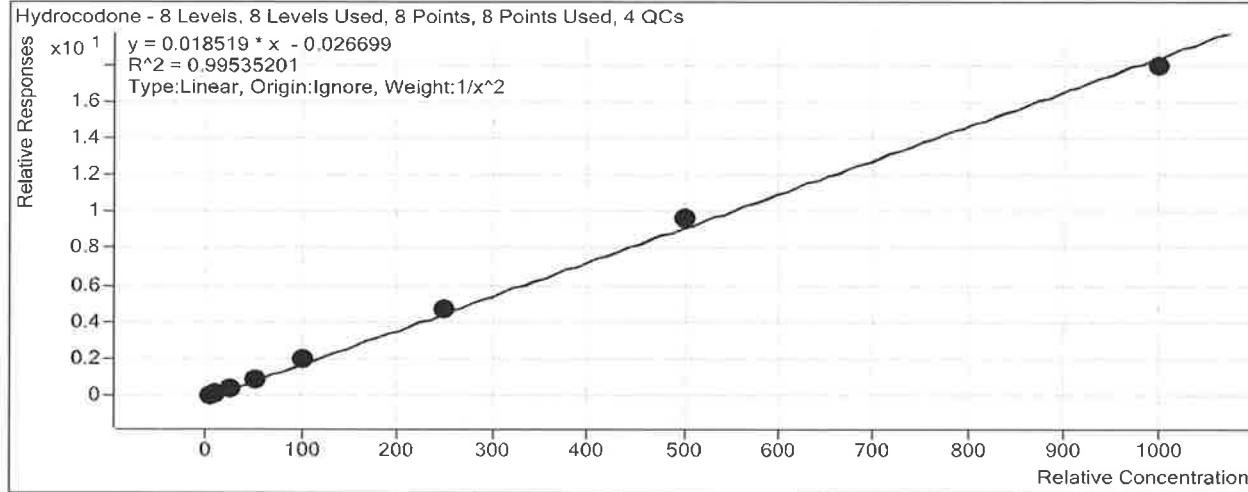
ISP Forensics Calibration Curve Report

D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\081518 P1 P2 SP\QuantResults\081518 MDQ
P1a.batch.bin

Last Calib Update 8/20/2018 1:49 PM **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	5.2	104.8
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.3	92.6
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.0	100.2
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.6	94.6
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	47.5	94.9
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	108.3	108.3
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	100.0	100.0
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	257.2	102.9
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	256.3	102.5
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	525.5	105.1
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	968.3	96.8
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	975.9	97.6

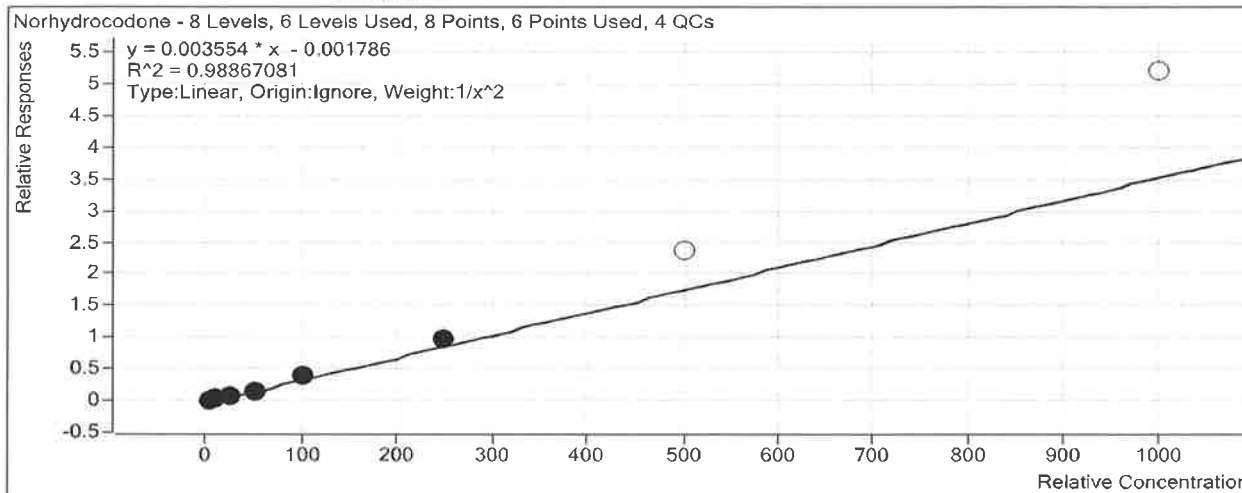
ISP Forensics Calibration Curve Report

B

Batch Data Path C:\MassHunter\Data\2018\MD Quant\081518 P1 P2 SP\QuantResults\081518 MDQ
P1a.batch.bin

Last Calib Update 8/20/2018 1:49 PM **Analyst Name** ISP TOX

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



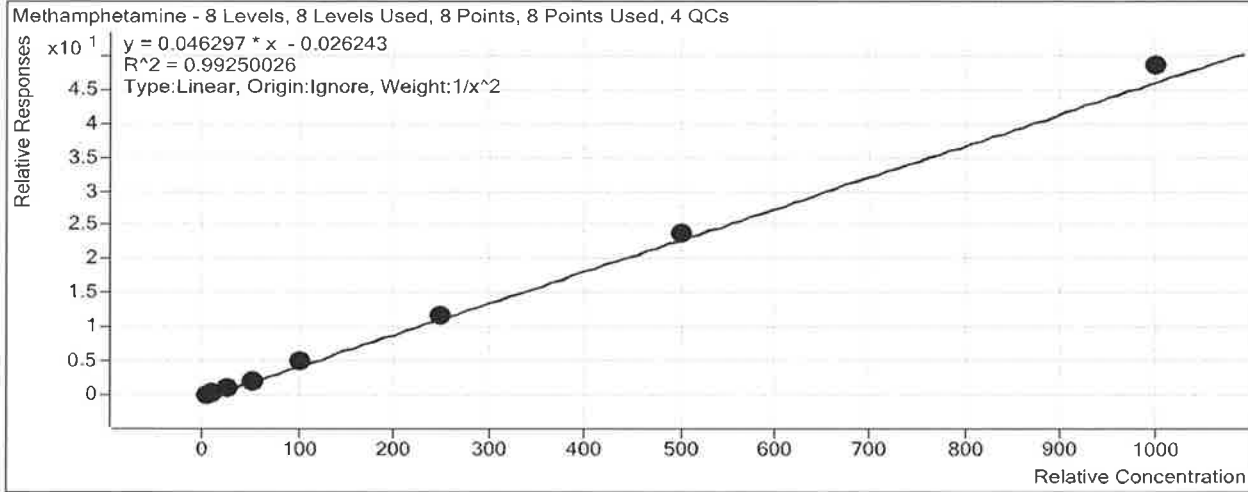
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.3	105.3
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.3	93.4
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.7	107.4
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	22.7	90.8
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	46.2	92.4
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	107.6	107.6
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	104.7	104.7
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	276.2	110.5
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	311.5	124.6
a cal 7-500ng.d	7	<input type="checkbox"/>	500	670.5	134.1
a cal 8-1000ng.d	8	<input type="checkbox"/>	1000	1464.2	146.4
a QC 1000 (QC 4).d	8	<input type="checkbox"/>	1000	1621.5	162.2

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\081518 P1 P2 SP\QuantResults\081518 MDQ
P1a.batch.bin

Last Calib Update 8/20/2018 1:49 PM **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	5.4	107.7
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	8.7	86.9
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.3	93.4
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.9	95.6
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	46.4	92.7
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	107.6	107.6
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	102.4	102.4
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	253.2	101.3
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	278.6	111.4
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	518.1	103.6
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1046.7	104.7
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1038.9	103.9

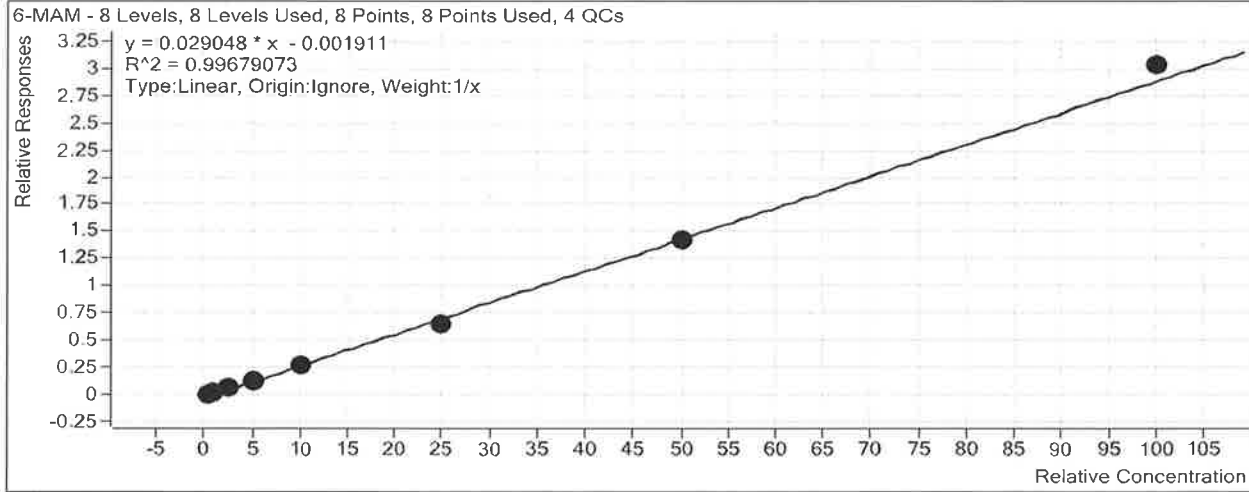
ISP Forensics Calibration Curve Report

D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\081518 P1 P2 SP\QuantResults\081518 MDQ
P1a.batch.bin

Last Calib Update 8/20/2018 1:49 PM **Analyst Name** ISP TOX

Target Compound 6-MAM
Internal Standard 6-MAM-D5



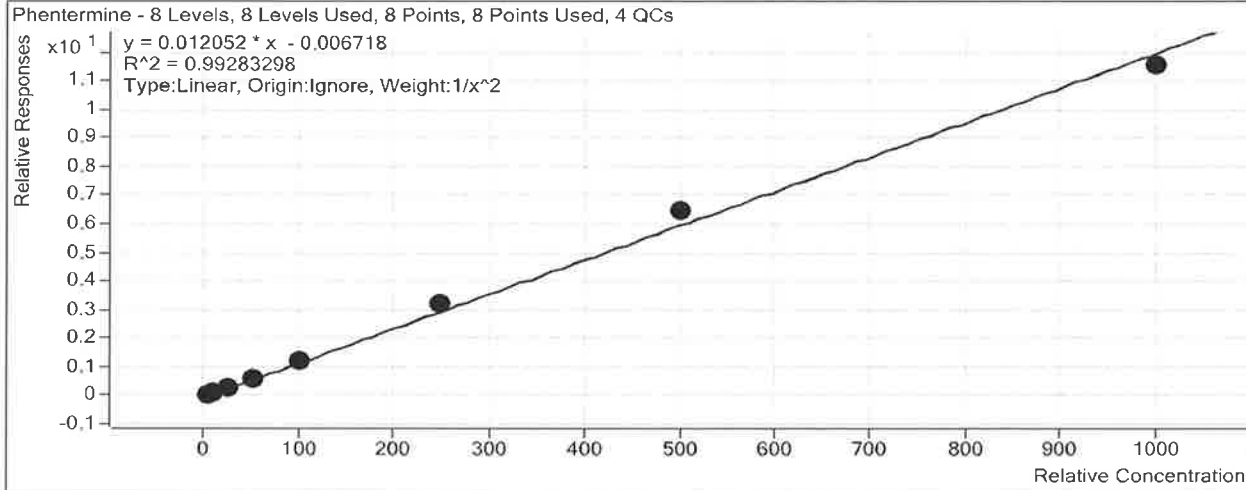
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	0.5	0.5	100.2
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	1	1.2	124.0
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	1	0.9	87.6
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	2.5	2.4	94.2
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	5	4.7	93.4
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	10	9.6	96.4
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	10	9.1	90.7
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	25	22.4	89.8
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	25	24.3	97.1
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	50	48.9	97.8
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	100	104.3	104.3
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	100	98.4	98.4

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\081518 P1 P2 SP\QuantResults\081518 MDQ
P1a.batch.bin

Last Calib Update 8/20/2018 1:49 PM **Analyst Name** ISP TOX

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



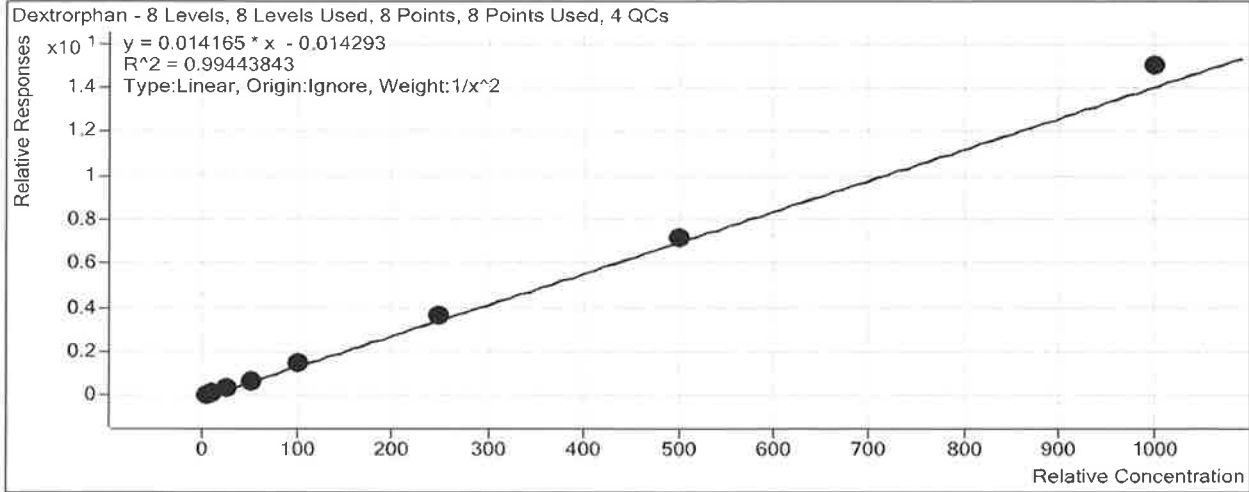
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.3	106.2
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	8.9	88.6
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.5	95.2
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	25.0	99.9
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	45.7	91.3
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	103.5	103.5
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	101.8	101.8
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	267.8	107.1
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	283.9	113.6
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	537.6	107.5
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	958.3	95.8
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	982.8	98.3

ISP Forensics Calibration Curve Report

D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\081518 P1 P2 SP\QuantResults\081518 MDQ
P1a.batch.bin
Last Calib Update 8/20/2018 1:49 PM **Analyst Name** ISP TOX

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



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	9.2	91.5
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.2	92.1
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	47.1	94.2
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	105.8	105.8
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	102.1	102.1
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	256.7	102.7
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	270.5	108.2
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	510.7	102.1
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1060.2	106.0
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1022.9	102.3

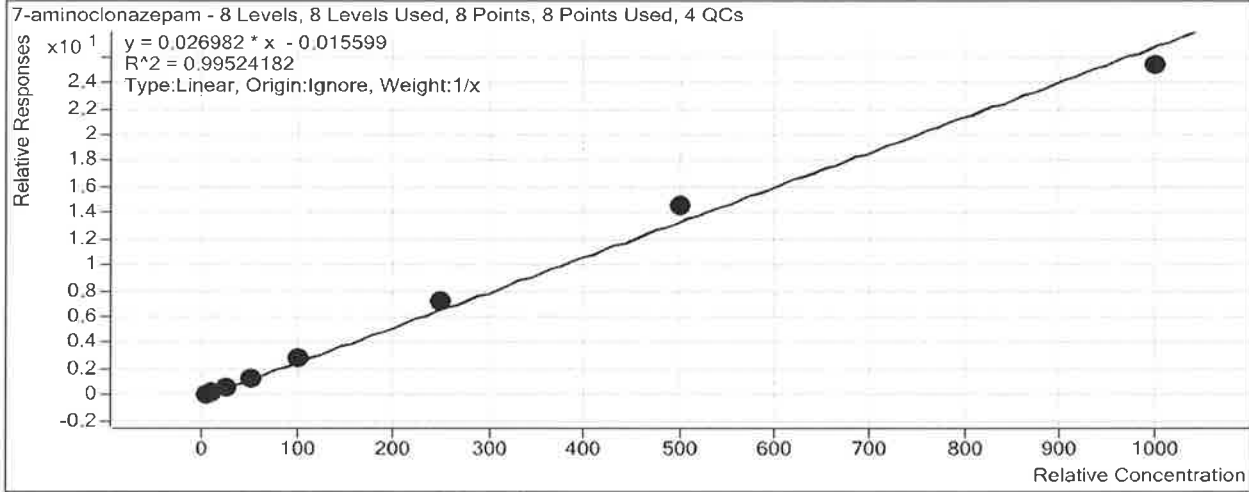
ISP Forensics Calibration Curve Report

P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\081518 P1 P2 SP\QuantResults\081518 MDQ
P1a.batch.bin

Last Calib Update 8/20/2018 1:49 PM **Analyst Name** ISP TOX

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



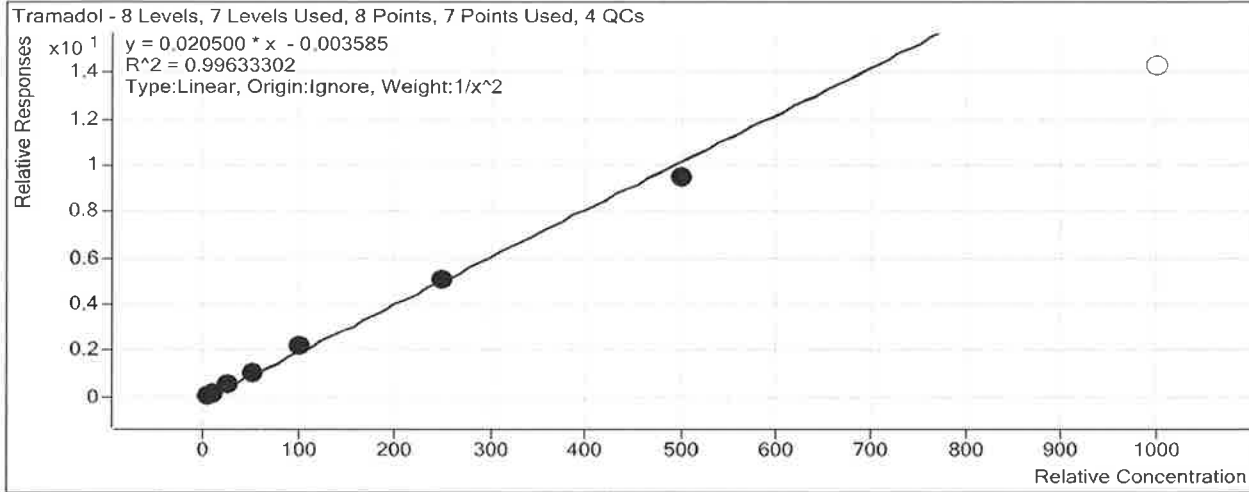
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
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a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	8.7	87.1
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.8	98.5
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	24.4	97.8
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	48.1	96.1
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	107.9	107.9
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	265.6	106.2
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	284.7	113.9
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	539.3	107.9
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	940.8	94.1
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	924.8	92.5

ISP Forensics Calibration Curve Report

P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\081518 P1 P2 SP\QuantResults\081518 MDQ
P1a.batch.bin
Last Calib Update 8/20/2018 1:49 PM **Analyst Name** ISP TOX

Target Compound Tramadol
Internal Standard Tramadol-13C-D3



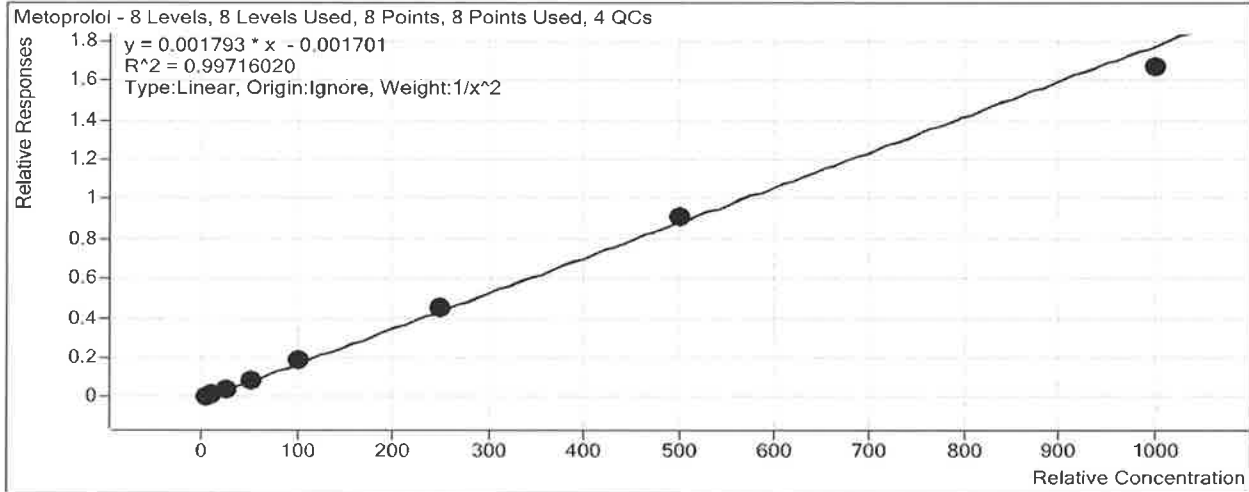
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.0	100.5
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.7	96.9
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.1	100.6
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	26.0	103.9
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	49.8	99.6
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	108.4	108.4
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	245.7	98.3
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	256.2	102.5
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	461.9	92.4
a cal 8-1000ng.d	8	<input type="checkbox"/>	1000	696.7	69.7
a QC 1000 (QC 4).d	8	<input type="checkbox"/>	1000	671.2	67.1

ISP Forensics Calibration Curve Report

P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\081518 P1 P2 SP\QuantResults\081518 MDQ
P1a.batch.bin
Last Calib Update 8/20/2018 1:49 PM **Analyst Name** ISP TOX

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



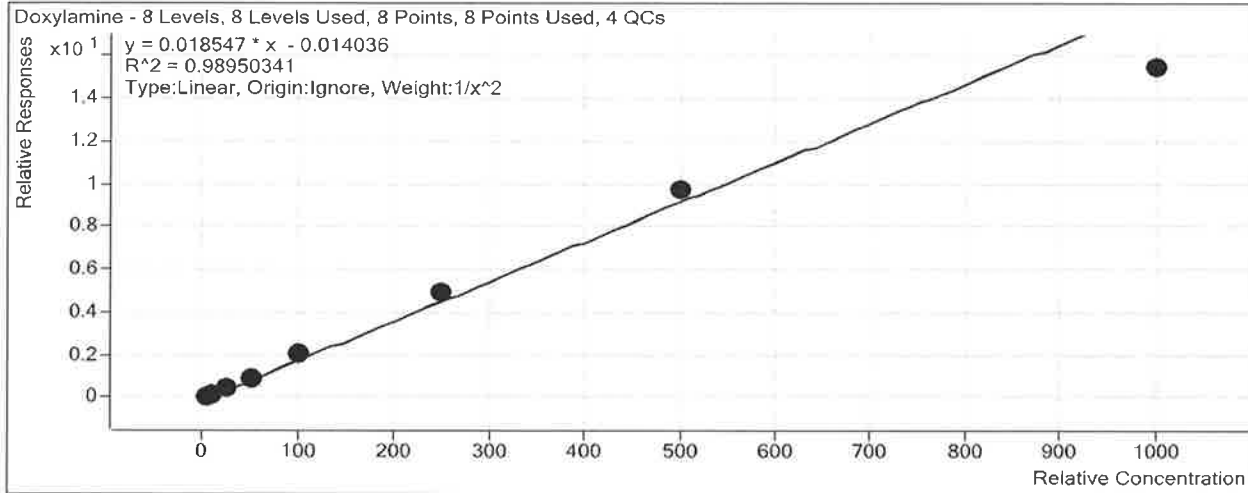
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.1	102.3
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.5	94.8
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.6	105.6
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	24.9	99.7
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	49.7	99.3
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	108.2	108.2
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	101.6	101.6
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	251.2	100.5
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	257.6	103.1
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	509.8	102.0
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	932.4	93.2
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	912.3	91.2

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\081518 P1 P2 SP\QuantResults\081518 MDQ
P1a.batch.bin

Last Calib Update 8/20/2018 1:49 PM **Analyst Name** ISP TOX

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



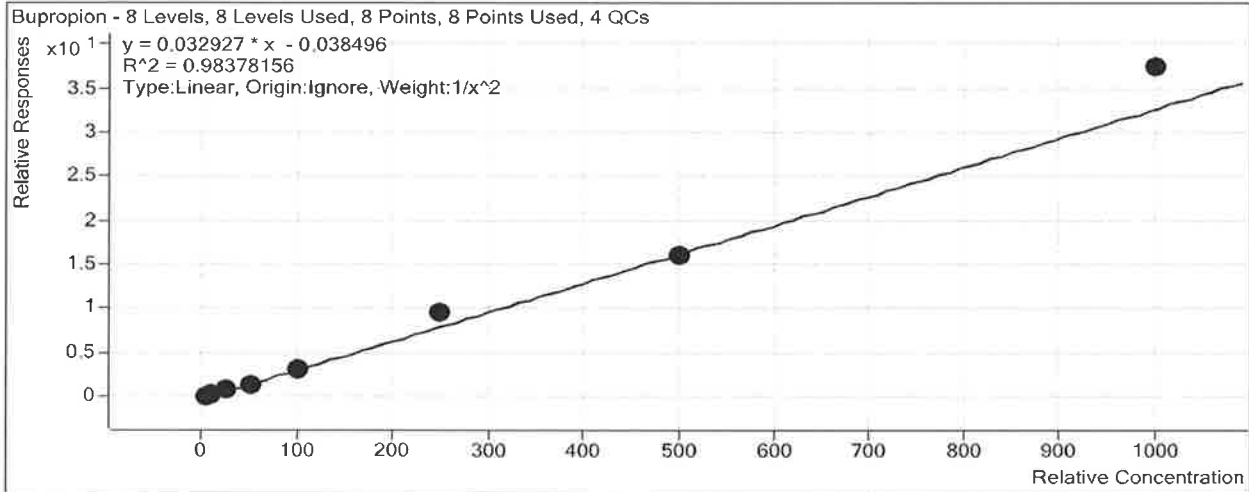
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.2	104.2
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.0	90.1
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.4	94.4
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	25.2	101.0
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	49.8	99.6
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	109.5	109.5
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	268.6	107.4
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	277.7	111.1
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	523.8	104.8
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	834.4	83.4
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	798.5	79.8

ISP Forensics Calibration Curve Report



Batch Data Path C:\MassHunter\Data\2018\MD Quant\081518 P1 P2 SP\QuantResults\081518 MDQ
P1a.batch.bin
Last Calib Update 8/20/2018 1:49 PM **Analyst Name** ISP TOX

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



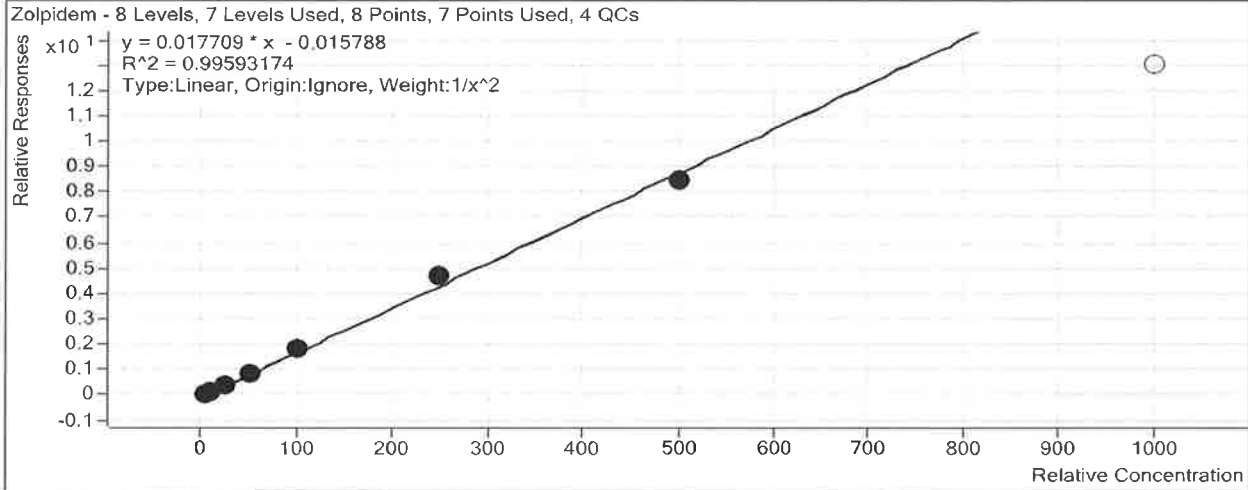
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.3	106.9
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.2	92.2
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.2	101.7
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	22.7	90.9
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	43.2	86.3
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	89.2	89.2
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	291.6	116.7
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	254.3	101.7
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	485.3	97.1
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1137.7	113.8
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	922.2	92.2

ISP Forensics Calibration Curve Report

B

Batch Data Path C:\MassHunter\Data\2018\MD Quant\081518 P1 P2 SP\QuantResults\081518 MDQ
P1a.batch.bin
Last Calib Update 8/20/2018 1:49 PM **Analyst Name** ISP TOX

Target Compound Zolpidem
Internal Standard Zolpidem-D6



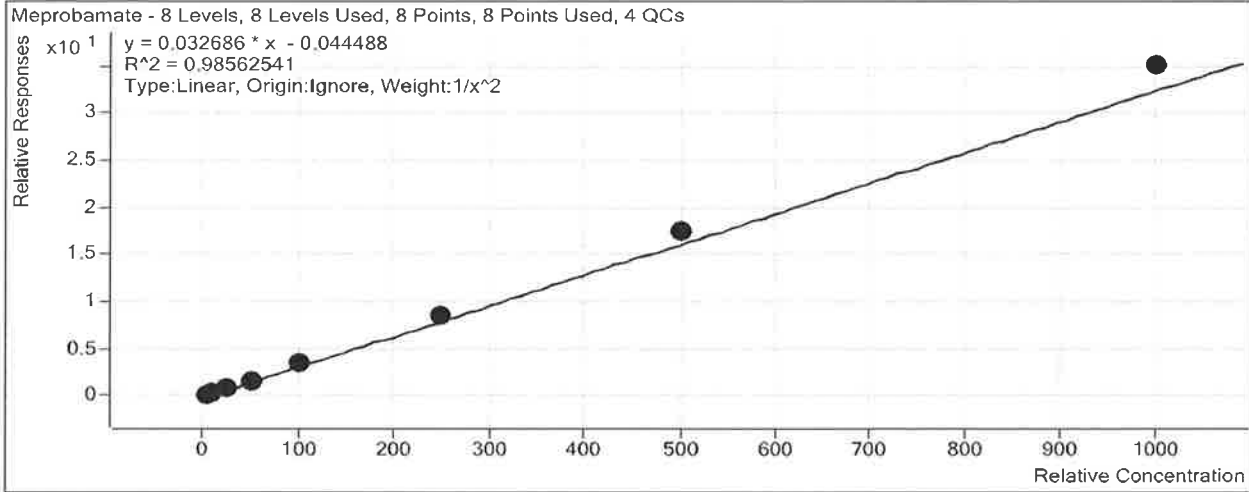
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.2	104.0
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.3	92.8
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.4	94.0
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	24.3	97.3
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	48.8	97.6
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	106.6	106.6
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	104.6	104.6
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	264.5	105.8
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	272.4	109.0
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	479.2	95.8
a cal 8-1000ng.d	8	<input type="checkbox"/>	1000	736.2	73.6
a QC 1000 (QC 4).d	8	<input type="checkbox"/>	1000	735.3	73.5

ISP Forensics Calibration Curve Report

R

Batch Data Path C:\MassHunter\Data\2018\MD Quant\081518 P1 P2 SP\QuantResults\081518 MDQ
P1a.batch.bin
Last Calib Update 8/20/2018 1:49 PM **Analyst Name** ISP TOX

Target Compound Meprobamate
Internal Standard Meprobamate-D7



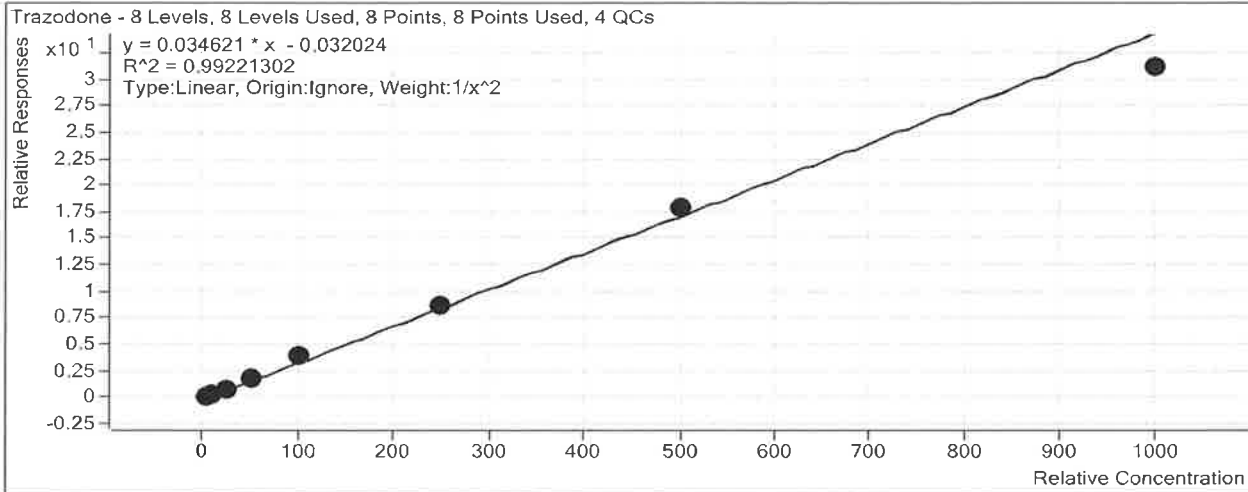
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.5	109.7
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	8.6	85.6
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.0	100.0
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	22.7	90.8
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	43.2	86.5
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	108.9	108.9
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	113.3	113.3
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	259.6	103.8
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	266.0	106.4
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	535.1	107.0
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1075.4	107.5
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1136.6	113.7

ISP Forensics Calibration Curve Report

D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\081518 P1 P2 SP\QuantResults\081518 MDQ
P1a.batch.bin
Last Calib Update 8/20/2018 1:49 PM **Analyst Name** ISP TOX

Target Compound Trazodone
Internal Standard Trazodone-D6



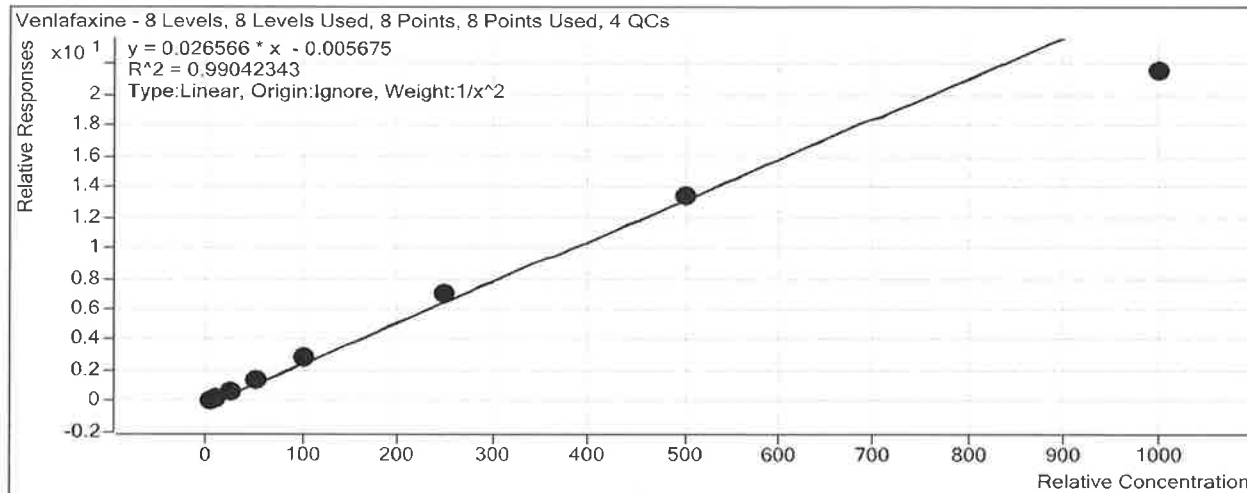
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.0	99.3
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	10.4	104.3
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.5	105.3
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	22.6	90.3
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	49.0	98.1
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	113.6	113.6
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	109.9	109.9
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	253.0	101.2
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	275.4	110.1
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	516.3	103.3
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	900.0	90.0
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	960.6	96.1

ISP Forensics Calibration Curve Report

P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\081518 P1 P2 SP\QuantResults\081518 MDQ
P1a.batch.bin
Last Calib Update 8/20/2018 1:49 PM **Analyst Name** ISP TOX

Target Compound *Venlafaxine*
Internal Standard *Venlafaxine-D6*



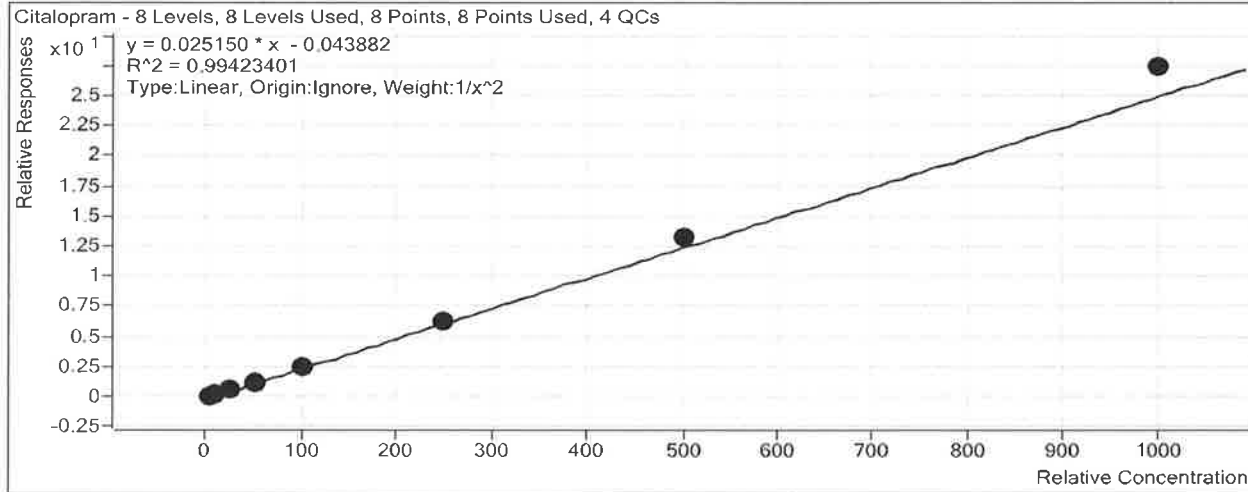
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.0	100.0
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.7	97.3
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.3	92.9
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	25.7	102.6
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	51.3	102.6
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	109.4	109.4
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	110.4	110.4
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	266.0	106.4
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	280.2	112.1
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	502.9	100.6
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	810.4	81.0
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	798.8	79.9

ISP Forensics Calibration Curve Report

R

Batch Data Path C:\MassHunter\Data\2018\MD Quant\081518 P1 P2 SP\QuantResults\081518 MDQ
P1a.batch.bin
Last Calib Update 8/20/2018 1:49 PM **Analyst Name** ISP TOX

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



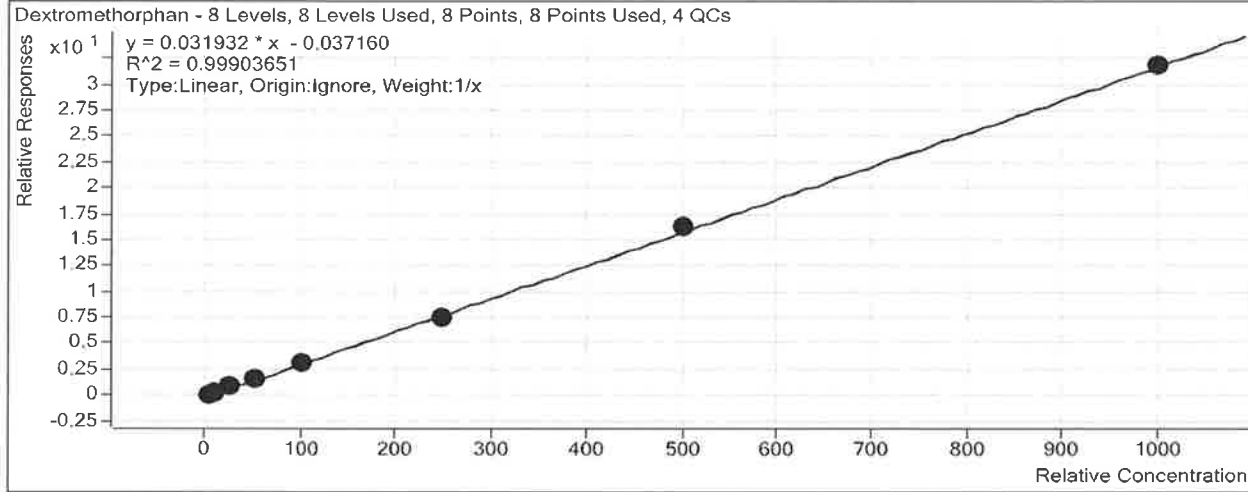
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.3	105.1
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.4	93.7
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.6	105.9
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.5	93.9
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	45.3	90.7
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	101.3	101.3
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	100.6	100.6
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	251.2	100.5
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	248.3	99.3
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	528.4	105.7
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1090.9	109.1
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1040.0	104.0

ISP Forensics Calibration Curve Report

P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\081518 P1 P2 SP\QuantResults\081518 MDQ
P1a.batch.bin
Last Calib Update 8/20/2018 1:49 PM **Analyst Name** ISP TOX

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



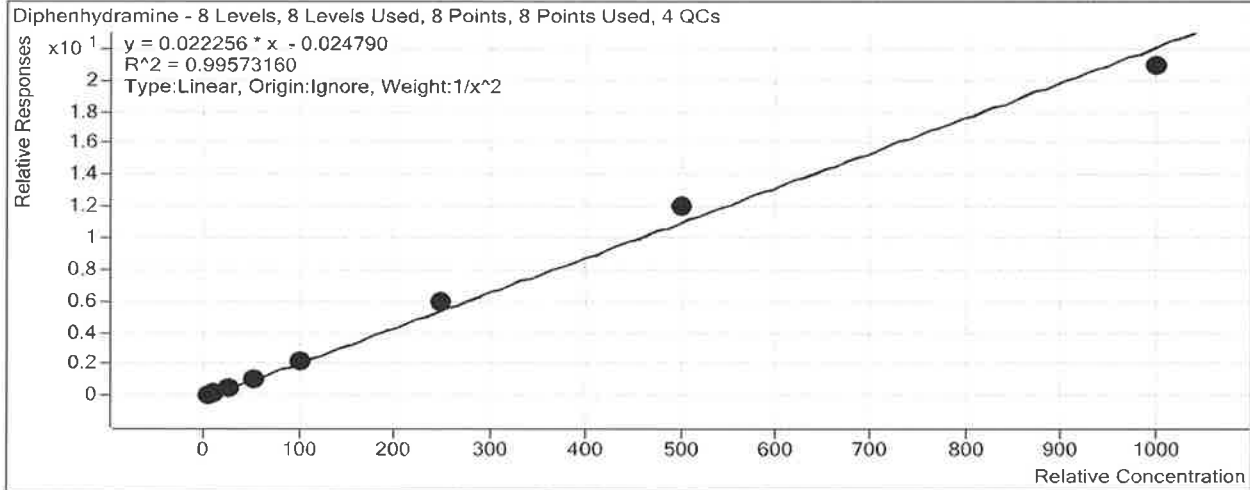
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.5	110.5
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	8.5	84.8
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.6	106.3
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	26.9	107.6
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	49.6	99.1
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	87.9	87.9
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	235.9	94.4
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	246.8	98.7
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	515.2	103.0
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	997.6	99.8
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	951.1	95.1

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\081518 P1 P2 SP\QuantResults\081518 MDQ
P1a.batch.bin

Last Calib Update 8/20/2018 1:49 PM **Analyst Name** ISP TOX

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



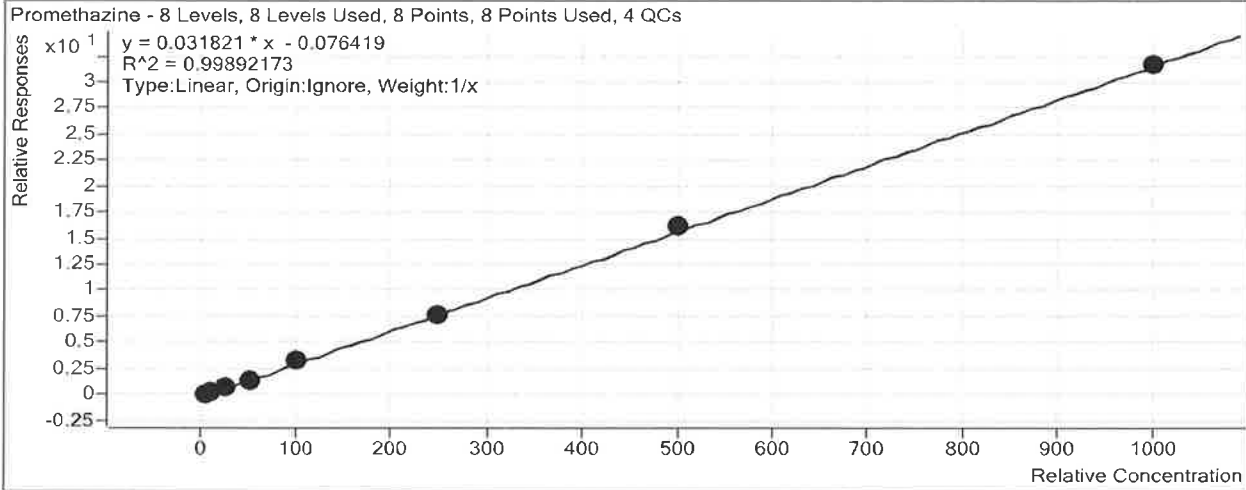
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.2	104.3
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.3	92.7
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.1	90.9
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	24.2	97.0
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	49.5	98.9
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	98.6	98.6
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	93.8	93.8
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	266.2	106.5
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	258.4	103.4
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	540.3	108.1
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	940.3	94.0
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1018.2	101.8

ISP Forensics Calibration Curve Report

P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\081518 P1 P2 SP\QuantResults\081518 MDQ
P1a.batch.bin
Last Calib Update 8/20/2018 1:49 PM **Analyst Name** ISP TOX

Target Compound Promethazine
Internal Standard Promethazine-D3



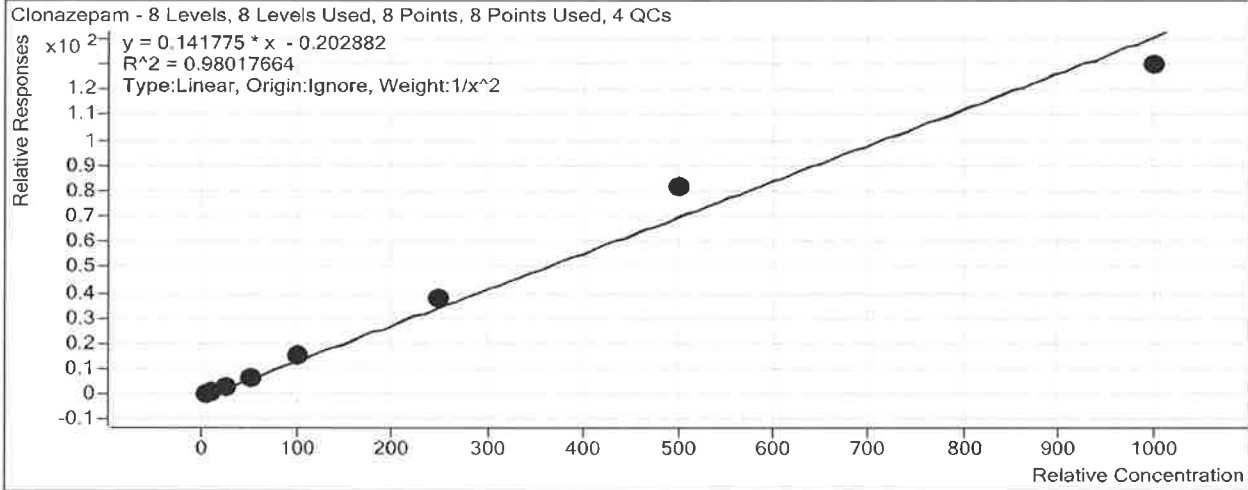
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	6.0	119.8
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.3	92.8
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.1	91.2
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.3	93.1
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	44.4	88.8
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	106.8	106.8
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	93.8	93.8
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	242.3	96.9
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	252.3	100.9
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	510.1	102.0
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	997.8	99.8
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1029.6	103.0

ISP Forensics Calibration Curve Report

B

Batch Data Path C:\MassHunter\Data\2018\MD Quant\081518 P1 P2 SP\QuantResults\081518 MDQ
P1a.batch.bin
Last Calib Update 8/20/2018 1:49 PM **Analyst Name** ISP TOX

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



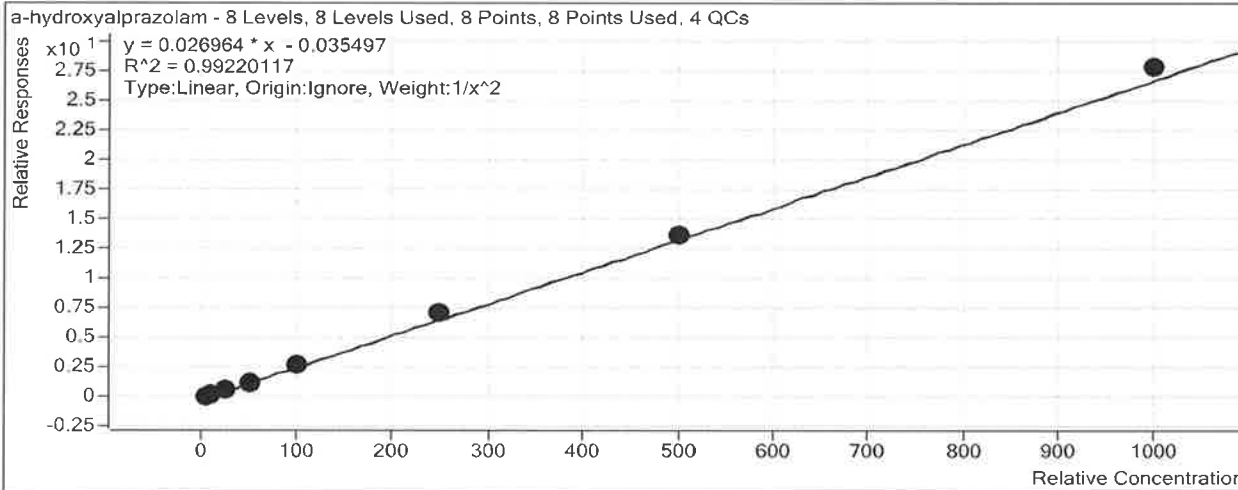
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.5	110.4
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	8.3	83.3
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.7	107.1
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	22.6	90.6
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	45.1	90.2
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	110.8	110.8
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	93.1	93.1
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	267.6	107.0
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	253.0	101.2
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	580.2	116.0
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	916.5	91.7
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	936.8	93.7

ISP Forensics Calibration Curve Report

B

Batch Data Path C:\MassHunter\Data\2018\MD Quant\081518 P1 P2 SP\QuantResults\081518 MDQ
P1a.batch.bin
Last Calib Update 8/20/2018 1:49 PM **Analyst Name** ISP TOX

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

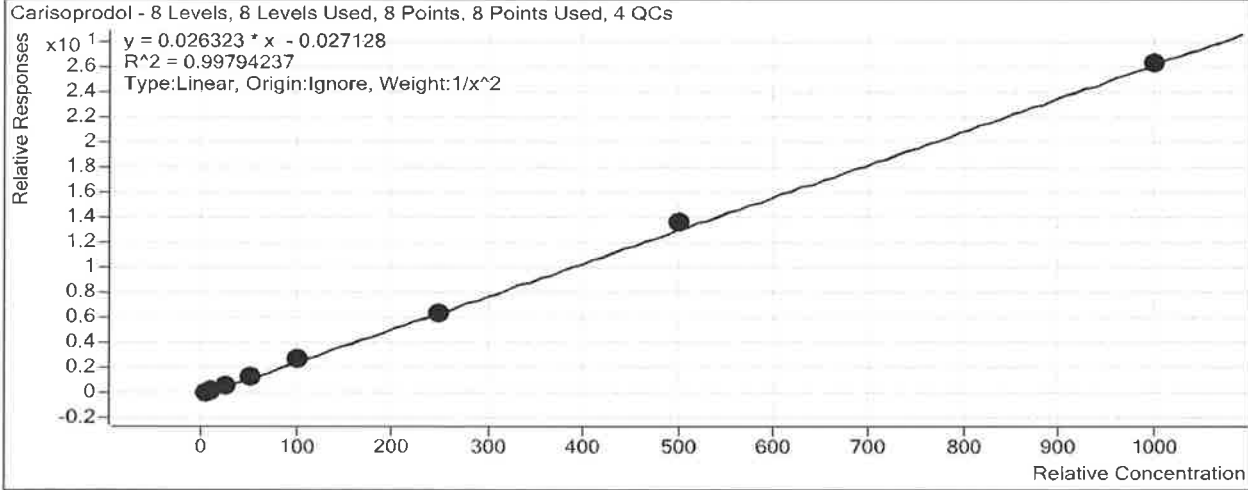


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.4	108.5
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	8.5	84.9
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.4	94.3
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.9	95.7
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	47.5	95.1
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	105.1	105.1
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	98.1	98.1
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	263.8	105.5
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	256.1	102.4
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	508.8	101.8
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1034.1	103.4
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	998.9	99.9

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\081518 P1 P2 SP\QuantResults\081518 MDQ
P1a.batch.bin
Last Calib Update 8/20/2018 1:49 PM **Analyst Name** ISP TOX

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



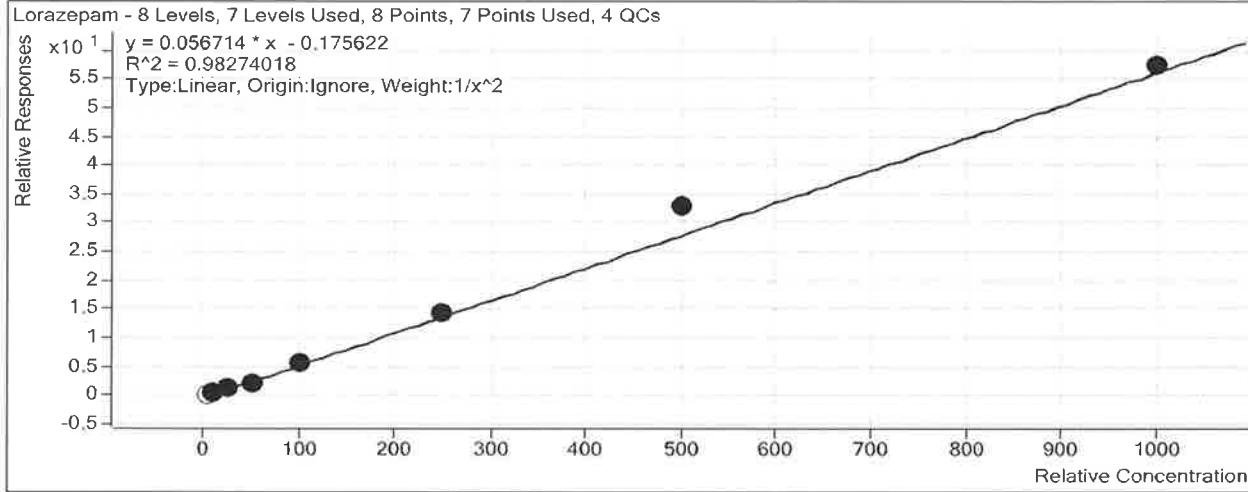
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.2	103.6
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.2	92.4
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.9	98.9
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	25.4	101.5
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	48.8	97.7
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	104.3	104.3
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	244.9	98.0
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	271.9	108.7
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	520.5	104.1
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	998.3	99.8
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	1038.7	103.9

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\081518 P1 P2 SP\QuantResults\081518 MDQ
P1a.batch.bin

Last Calib Update 8/20/2018 1:49 PM **Analyst Name** ISP TOX

Target Compound Lorazepam
Internal Standard Clonazepam-D4

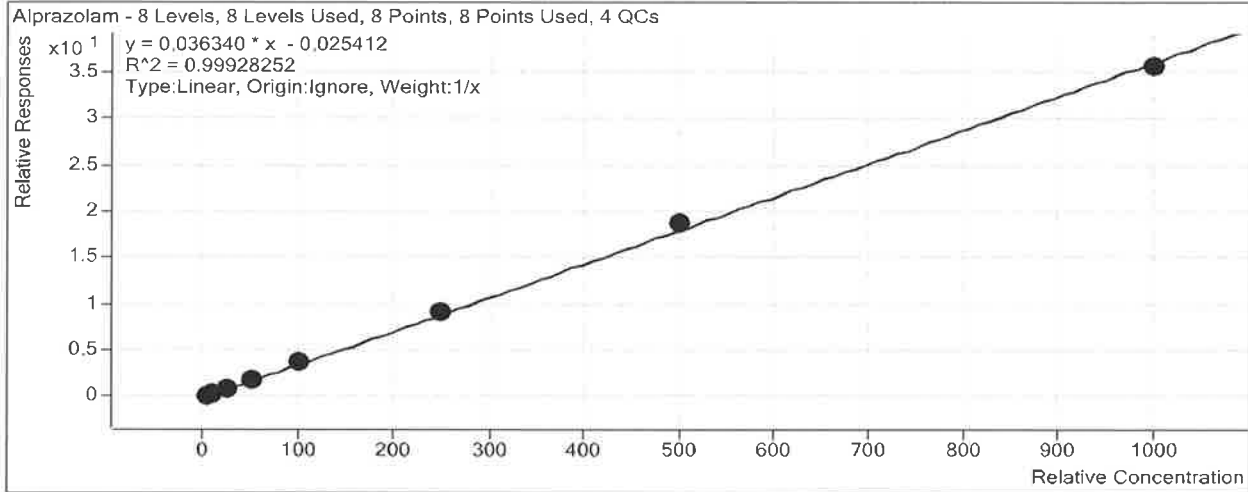


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	<input type="checkbox"/>	5	6.8	136.6
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	10.7	106.8
a QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	11.0	110.2
a cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	22.8	91.1
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	40.3	80.6
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	101.7	101.7
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	79.8	79.8
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	254.9	102.0
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	244.0	97.6
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	581.3	116.3
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1014.9	101.5
a QC 1000 (QC 4).d	8	<input type="checkbox"/>	1000	1016.6	101.7

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\081518 P1 P2 SP\QuantResults\081518 MDQ
P1a.batch.bin
Last Calib Update 8/20/2018 1:49 PM **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	5.0	100.7
a cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.8	97.9
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	25.0	99.8
a cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	47.2	94.4
a cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	105.6	105.6
a QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	105.0	105.0
a cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	251.4	100.5
a QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	267.7	107.1
a cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	514.8	103.0
a cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	981.3	98.1
a QC 1000 (QC 4).d	8	<input checked="" type="checkbox"/>	1000	983.6	98.4

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

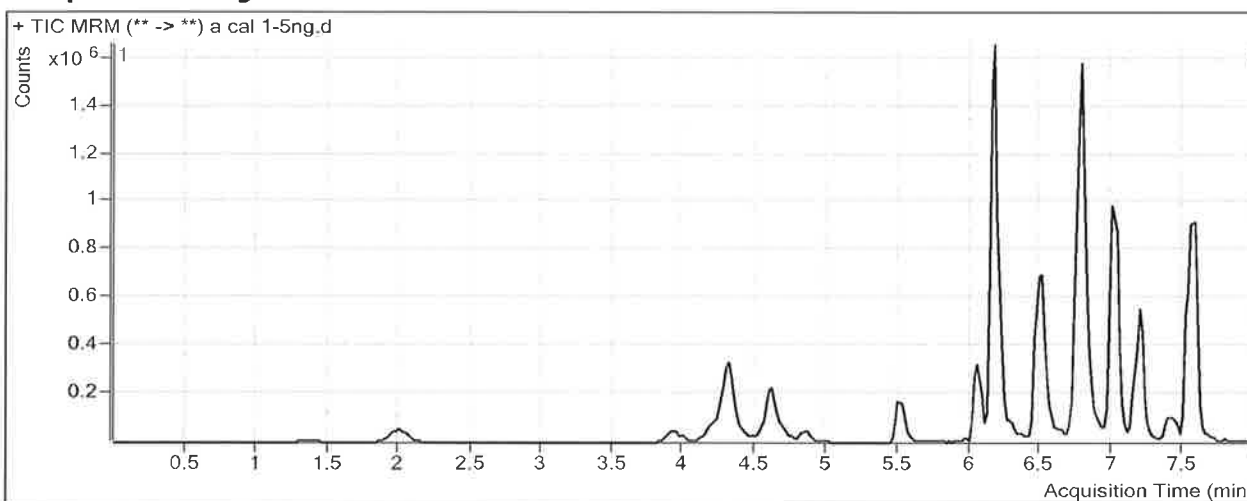
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Batch Data Path C:\MassHunter\Data\2018\MD Quant\081518 P1 P2 SP\QuantResults\081518 MDQ P1a.batch.bin
Analysis Time 8/20/2018 1:50 PM **Analyst Name** ISPUser
Report Time 8/20/2018 1:59 PM **Reporter Name** ISPUser
Last Calib Update 8/20/2018 1:49 PM **Batch State** Processed

Analysis Info

Acq Time 2018-08-15 13:42 **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-H12 **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	1.368	13717	47542	0.2885	5.2495
Hydromorphone	Hydromorphone-D6	2.029	50205	386699	0.1298	5.4233
Codeine	Codeine-D6	3.972	21079	166698	0.1264	5.1860
Amphetamine	Amphetamine-D11	4.343	394728	364803	1.0820	5.9842
Oxycodone	Oxycodone-D6	4.330	176431	1416562	0.1245	5.8828
Hydrocodone	Hydrocodone-D6	4.655	51861	737451	0.0703	5.2392
Norhydrocodone	Norhydrocodone-D3	4.678	3352	198000	0.0169	5.2651
Methamphetamine	Methamphetamine-D11	4.724	85353	382565	0.2231	5.3859
6-MAM	6-MAM-D6	4.869	2180	172389	0.0126	0.5012
Phentermine	Phentermine-D5	5.566	41430	723214	0.0573	5.3107
Dextrophan	Dextrophan-D3	6.063	65828	1081609	0.0609	5.3056
7-aminoclonazepam	7-Aminoclonazepam-D4	6.174	102133	829506	0.1231	5.1414
Tramadol	Tramadol-13C-D3	6.180	545335	5484503	0.0994	5.0252
Metoprolol	Tramadol-13C-D3	6.281	40974	5484503	0.0075	5.1168
Doxylamine	Doxylamine-D5	6.502	247354	2994265	0.0826	5.2108
Bupropion	Bupropion-D9	6.771	86518	629043	0.1375	5.3463
Zolpidem	Zolpidem-D6	6.801	442404	5801282	0.0763	5.1978
Meprobamate	Meprobamate-D7	6.873	48779	361690	0.1349	5.4871
Trazodone	Trazodone-D6	7.016	50661	362305	0.1398	4.9638
Venlafaxine	Venlafaxine-D6	7.006	358145	2815635	0.1272	5.0017

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

D

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.159	51398	582178	0.0883	5.2551
Dextromethorphan	Dextromethorphan-D3	7.171	16350	117462	0.1392	5.5227
Diphenhydramine	Diphenhydramine-D3	7.194	113976	1249373	0.0912	5.2128
Promethazine	Promethazine-D3	7.389	30029	263012	0.1142	5.9896
Clonazepam	Clonazepam-D4	7.425	54835	94552	0.5799	5.5216
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.501	19245	173717	0.1108	5.4250
Carisoprodol	Carisoprodol-D7	7.534	149197	1365971	0.1092	5.1799
Lorazepam	Clonazepam-D4	7.543	20023	94552	0.2118	6.8305
Alprazolam	Alprazolam-D5	7.568	344514	2186676	0.1576	5.0348

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

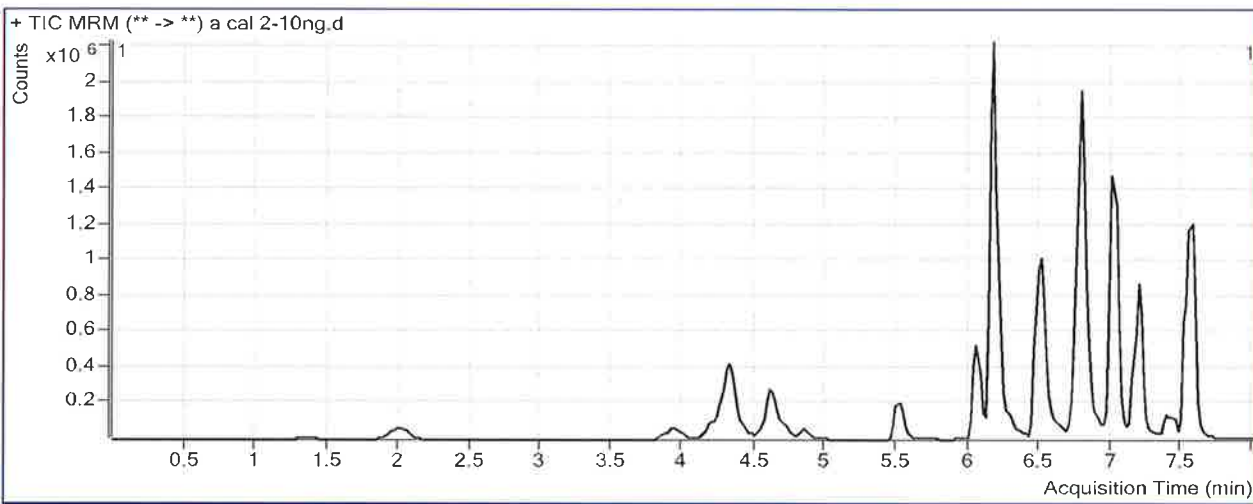
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Batch Data Path C:\MassHunter\Data\2018\MD Quant\081518 P1 P2 SP\QuantResults\081518 MDQ P1a.batch.bin
Analysis Time 8/20/2018 1:50 PM **Analyst Name** ISPUser
Report Time 8/20/2018 1:59 PM **Reporter Name** ISPUser
Last Calib Update 8/20/2018 1:49 PM **Batch State** Processed

Analysis Info

Acq Time 2018-08-15 14:13 **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-G12 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.388	27083	50219	0.5393	9.3460
Hydromorphone	Hydromorphone-D6	2.029	107598	450498	0.2388	8.8329
Codeine	Codeine-D6	3.992	49079	188661	0.2601	9.8258
Amphetamine	Amphetamine-D11	4.343	624863	446966	1.3980	9.7262
Oxycodone	Oxycodone-D6	4.330	390307	1631607	0.2392	9.6946
Hydrocodone	Hydrocodone-D6	4.635	125324	865548	0.1448	9.2602
Norhydrocodone	Norhydrocodone-D3	4.678	7003	222932	0.0314	9.3398
Methamphetamine	Methamphetamine-D11	4.724	180813	480960	0.3759	8.6870
6-MAM	6-MAM-D6	4.849	6510	190852	0.0341	1.2401
Phentermine	Phentermine-D5	5.566	90435	903868	0.1001	8.8592
Dextropropion	Dextropropion-D3	6.063	175249	1519319	0.1153	9.1521
7-aminoclonazepam	7-Aminoclonazepam-D4	6.174	194324	885145	0.2195	8.7147
Tramadol	Tramadol-13C-D3	6.203	1309813	6716773	0.1950	9.6873
Metoprolol	Tramadol-13C-D3	6.281	102673	6716773	0.0153	9.4767
Doxylamine	Doxylamine-D5	6.502	595401	3890871	0.1530	9.0074
Bupropion	Bupropion-D9	6.771	202873	765765	0.2649	9.2152
Zolpidem	Zolpidem-D6	6.801	944788	6358707	0.1486	9.2818
Meprobamate	Meprobamate-D7	6.873	96800	411172	0.2354	8.5636
Trazodone	Trazodone-D6	6.996	146191	444017	0.3292	10.4349
Venlafaxine	Venlafaxine-D6	7.006	943227	3729416	0.2529	9.7341

ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report *a cal 2*

P

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.159	159137	829329	0.1919	9.3744
Dextromethorphan	Dextromethorphan-D3	7.191	39334	168398	0.2336	8.4787
Diphenhydramine	Diphenhydramine-D3	7.214	324520	1787684	0.1815	9.2703
Promethazine	Promethazine-D3	7.389	70878	323789	0.2189	9.2807
Clonazepam	Clonazepam-D4	7.445	98585	100850	0.9775	8.3260
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.501	35814	185147	0.1934	8.4905
Carisoprodol	Carisoprodol-D7	7.534	317525	1469826	0.2160	9.2374
Lorazepam	Clonazepam-D4	7.543	43394	100850	0.4303	10.6836
Alprazolam	Alprazolam-D5	7.568	774861	2345801	0.3303	9.7890

ISP FORENSICS - Pocatello Instrument # 59740

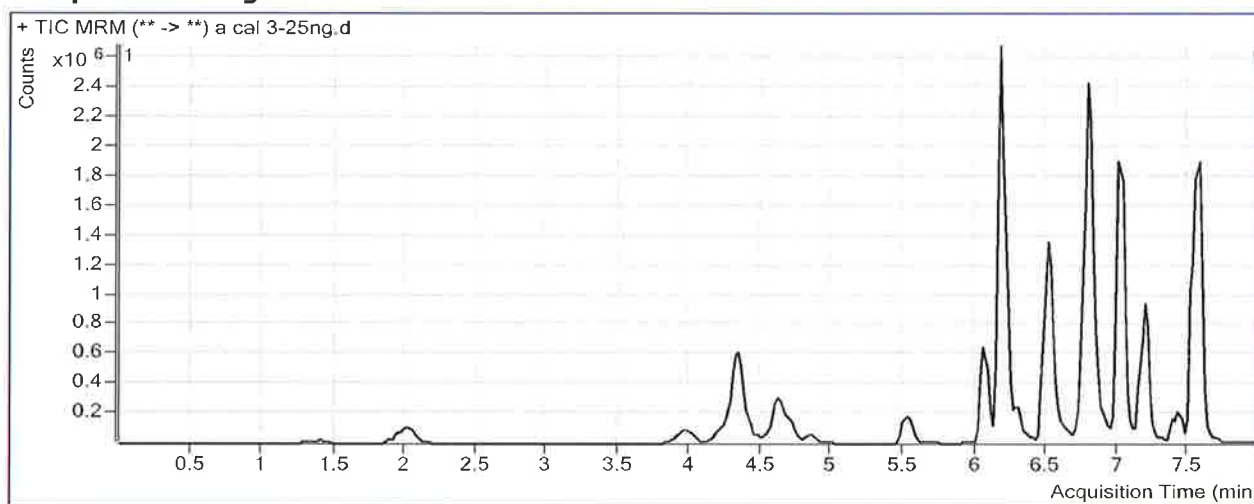
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\081518 P1 P2 SP\QuantResults\081518 MDQ P1a.batch.bin
Analysis Time 8/20/2018 1:50 PM **Analyst Name** ISPUser
Report Time 8/20/2018 1:59 PM **Reporter Name** ISPUser
Last Calib Update 8/20/2018 1:49 PM **Batch State** Processed

Analysis Info

Acq Time 2018-08-15 14:45 **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-F12 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.388	70777	51213	1.3820	23.1131
Hydromorphone	Hydromorphone-D6	2.029	282960	417553	0.6777	22.5577
Codeine	Codeine-D6	3.992	117533	179670	0.6542	23.4997
Amphetamine	Amphetamine-D11	4.343	1056939	403701	2.6181	24.1755
Oxycodone	Oxycodone-D6	4.350	1019026	1600976	0.6365	22.9014
Hydrocodone	Hydrocodone-D6	4.635	335862	816828	0.4112	23.6448
Norhydrocodone	Norhydrocodone-D3	4.678	16933	214512	0.0789	22.7107
Methamphetamine	Methamphetamine-D11	4.724	405187	375242	1.0798	23.8901
6-MAM	6-MAM-D6	4.849	12384	186249	0.0665	2.3549
Phentermine	Phentermine-D5	5.566	233850	794289	0.2944	24.9861
Dextrophan	Dextrophan-D3	6.063	417388	1346536	0.3100	22.8918
7-aminoclonazepam	7-Aminoclonazepam-D4	6.174	540436	839378	0.6439	24.4408
Tramadol	Tramadol-13C-D3	6.203	3221355	6088244	0.5291	25.9851
Metoprolol	Tramadol-13C-D3	6.302	261678	6088244	0.0430	24.9267
Doxylamine	Doxylamine-D5	6.522	1537893	3385697	0.4542	25.2477
Bupropion	Bupropion-D9	6.771	460728	648957	0.7100	22.7308
Zolpidem	Zolpidem-D6	6.801	2646206	6374354	0.4151	24.3336
Meprobamate	Meprobamate-D7	6.873	274149	393074	0.6974	22.6988
Trazodone	Trazodone-D6	7.016	361758	482661	0.7495	22.5737
Venlafaxine	Venlafaxine-D6	7.006	2166976	3205645	0.6760	25.6596

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Multi-Drug Confirmatory Analysis Report a cal 3

B

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.159	353487	646855	0.5465	23.4730
Dextromethorphan	Dextromethorphan-D3	7.171	95832	116582	0.8220	26.9067
Diphenhydramine	Diphenhydramine-D3	7.214	736366	1430821	0.5146	24.2375
Promethazine	Promethazine-D3	7.389	162312	244470	0.6639	23.2663
Clonazepam	Clonazepam-D4	7.425	298827	99334	3.0083	22.6499
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.501	114080	187167	0.6095	23.9211
Carisoprodol	Carisoprodol-D7	7.534	939470	1466021	0.6408	25.3753
Lorazepam	Clonazepam-D4	7.543	110910	99334	1.1165	22.7840
Alprazolam	Alprazolam-D5	7.568	2061995	2339267	0.8815	24.9556

ISP FORENSICS - Pocatello Instrument # 59740

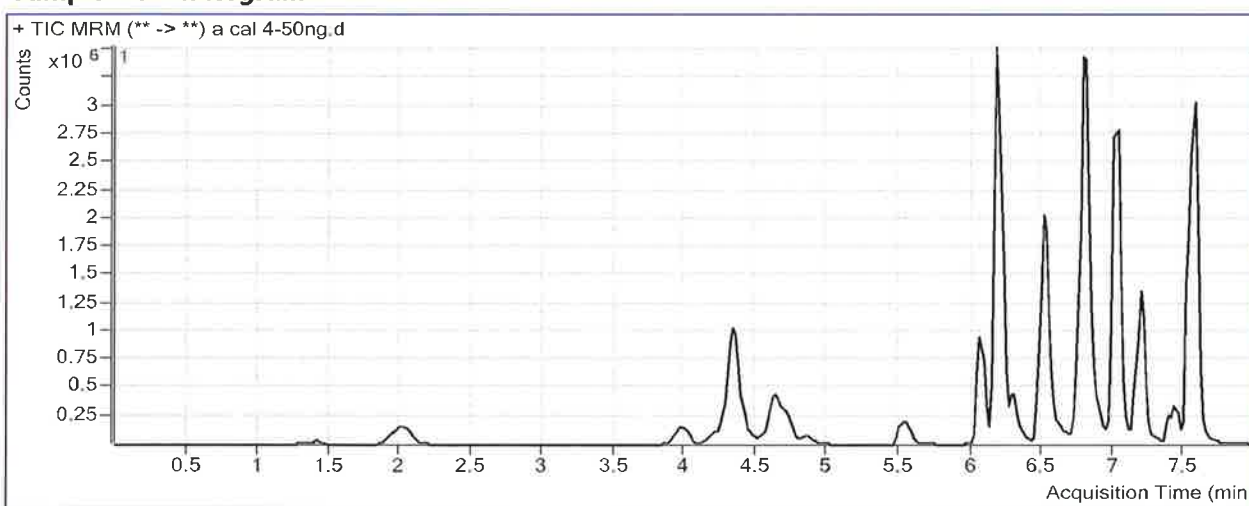
Multi-Drug Confirmatory Analysis Report

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Analysis Time 8/20/2018 1:50 PM **Analyst Name** ISPUser
Report Time 8/20/2018 1:59 PM **Reporter Name** ISPUser
Last Calib Update 8/20/2018 1:49 PM **Batch State** Processed

Analysis Info

Acq Time 2018-08-15 15:16 **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-E12 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.388	145560	50923	2.8584	47.2322
Hydromorphone	Hydromorphone-D6	2.009	588065	422224	1.3928	44.9240
Codeine	Codeine-D6	3.992	245060	207572	1.1806	41.7693
Amphetamine	Amphetamine-D11	4.343	1961813	353167	5.5549	58.9549
Oxycodone	Oxycodone-D6	4.350	2173284	1618547	1.3427	46.3784
Hydrocodone	Hydrocodone-D6	4.635	717233	841669	0.8522	47.4571
Norhydrocodone	Norhydrocodone-D3	4.678	33264	204752	0.1625	46.2079
Methamphetamine	Methamphetamine-D11	4.724	877839	414049	2.1201	46.3608
6-MAM	6-MAM-D6	4.869	24687	184604	0.1337	4.6695
Phentermine	Phentermine-D5	5.566	441458	812149	0.5436	45.6595
Dextrophan	Dextrophan-D3	6.063	860209	1317281	0.6530	47.1096
7-aminoclonazepam	7-Aminoclonazepam-D4	6.174	1094154	853836	1.2815	48.0718
Tramadol	Tramadol-13C-D3	6.203	6247526	6140540	1.0174	49.8051
Metoprolol	Tramadol-13C-D3	6.302	536289	6140540	0.0873	49.6709
Doxylamine	Doxylamine-D5	6.522	2978182	3274091	0.9096	49.8009
Bupropion	Bupropion-D9	6.771	742768	537255	1.3825	43.1572
Zolpidem	Zolpidem-D6	6.801	5594484	6593332	0.8485	48.8056
Meprobamate	Meprobamate-D7	6.873	522777	381826	1.3692	43.2488
Trazodone	Trazodone-D6	7.016	806540	484298	1.6654	49.0277
Venlafaxine	Venlafaxine-D6	7.026	4302354	3170795	1.3569	51.2898

ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report a cal 4

B

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.159	698221	636686	1.0966	45.3488
Dextromethorphan	Dextromethorphan-D3	7.191	185686	120167	1.5452	49.5556
Diphenhydramine	Diphenhydramine-D3	7.214	1449025	1346679	1.0760	49.4598
Promethazine	Promethazine-D3	7.389	380274	284692	1.3357	44.3784
Clonazepam	Clonazepam-D4	7.425	593947	95946	6.1905	45.0948
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.501	222904	178839	1.2464	47.5413
Carisoprodol	Carisoprodol-D7	7.534	1823129	1448948	1.2582	48.8304
Lorazepam	Clonazepam-D4	7.543	202401	95946	2.1095	40.2930
Alprazolam	Alprazolam-D5	7.568	3971570	2351481	1.6890	47.1763

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

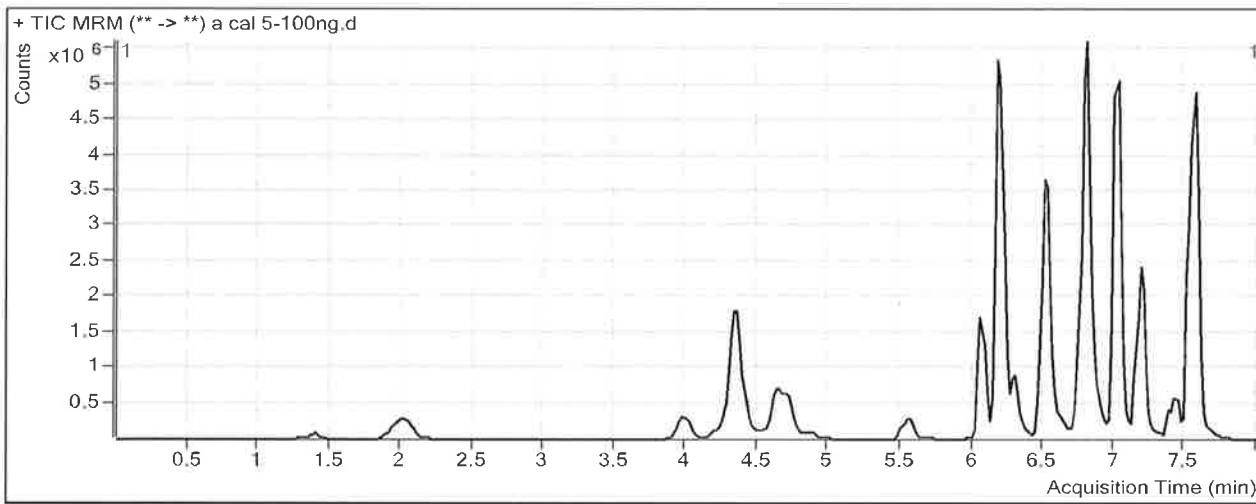
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Analysis Time 8/20/2018 1:50 PM **Analyst Name** ISPUser
Report Time 8/20/2018 1:59 PM **Reporter Name** ISPUser
Last Calib Update 8/20/2018 1:49 PM **Batch State** Processed

Analysis Info

Acq Time 2018-08-15 15:48 **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-D12 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.388	295888	46490	6.3646	104.5099
Hydromorphone	Hydromorphone-D6	2.029	1262103	385022	3.2780	103.8871
Codeine	Codeine-D6	3.992	509276	182278	2.7939	97.7590
Amphetamine	Amphetamine-D11	4.343	3732049	392080	9.5186	105.8952
Oxycodone	Oxycodone-D6	4.350	4394105	1465477	2.9984	101.4172
Hydrocodone	Hydrocodone-D6	4.655	1575139	795939	1.9790	108.3037
Norhydrocodone	Norhydrocodone-D3	4.678	74005	194454	0.3806	107.5728
Methamphetamine	Methamphetamine-D11	4.724	2060129	415850	4.9540	107.5716
6-MAM	6-MAM-D6	4.869	46797	168349	0.2780	9.6354
Phentermine	Phentermine-D5	5.566	1022277	824309	1.2402	103.4588
Dextrophan	Dextrophan-D3	6.063	1945114	1310852	1.4839	105.7635
7-aminoclonazepam	7-Aminoclonazepam-D4	6.174	2048559	707203	2.8967	107.9366
Tramadol	Tramadol-13C-D3	6.203	13232936	5963026	2.2192	108.4264
Metoprolol	Tramadol-13C-D3	6.302	1146291	5963026	0.1922	108.1898
Doxylamine	Doxylamine-D5	6.522	6452404	3199513	2.0167	109.4904
Bupropion	Bupropion-D9	6.771	1798452	574801	3.1288	96.1933
Zolpidem	Zolpidem-D6	6.801	11207971	5985028	1.8727	106.6388
Meprobamate	Meprobamate-D7	6.873	1115446	317197	3.5166	108.9469
Trazodone	Trazodone-D6	7.016	1757744	450683	3.9002	113.5776
Venlafaxine	Venlafaxine-D6	7.026	9269221	3195252	2.9009	109.4127

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

5

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.159	1667344	665938	2.5038	101.2967
Dextromethorphan	Dextromethorphan-D3	7.191	428374	134545	3.1839	100.8723
Diphenhydramine	Diphenhydramine-D3	7.214	3231119	1488900	2.1701	98.6207
Promethazine	Promethazine-D3	7.389	774113	232934	3.3233	106.8399
Clonazepam	Clonazepam-D4	7.445	1235132	79666	15.5038	110.7855
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.501	475716	169938	2.7994	105.1359
Carisoprodol	Carisoprodol-D7	7.534	3352020	1249107	2.6835	102.9762
Lorazepam	Clonazepam-D4	7.543	445678	79666	5.5943	101.7378
Alprazolam	Alprazolam-D5	7.568	7740413	2030219	3.8126	105.6146

8

ISP FORENSICS - Pocatello Instrument # 59740

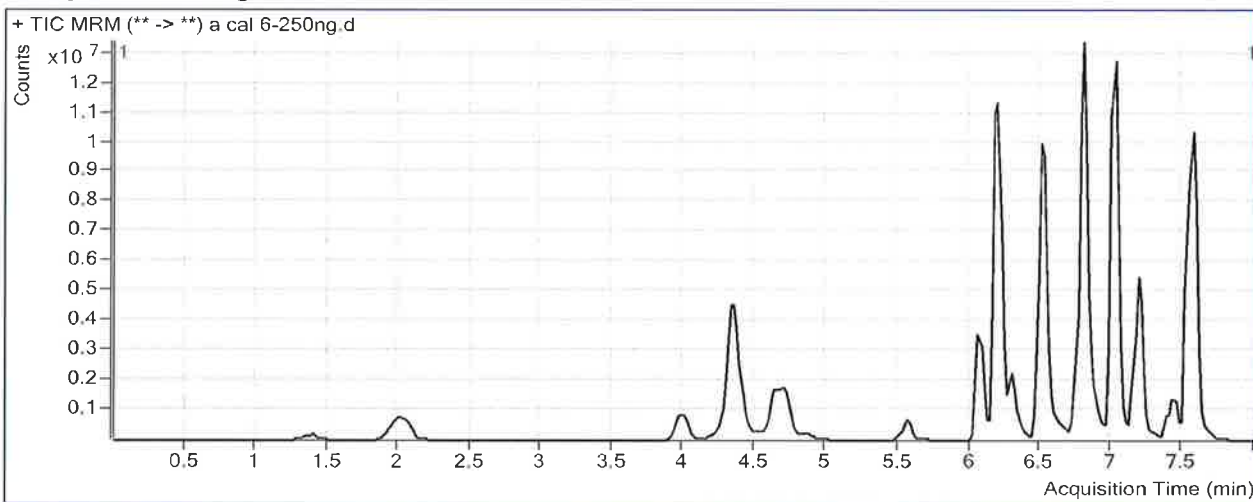
Multi-Drug Confirmatory Analysis Report

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Analysis Time 8/20/2018 1:50 PM **Analyst Name** ISPUser
Report Time 8/20/2018 1:59 PM **Reporter Name** ISPUser
Last Calib Update 8/20/2018 1:49 PM **Batch State** Processed

Analysis Info

Acq Time 2018-08-15 16:19 **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-C12 **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	1.368	833364	53321	15.6292	255.8617
Hydromorphone	Hydromorphone-D6	2.029	3497239	433254	8.0720	253.8271
Codeine	Codeine-D6	3.992	1366255	201520	6.7797	236.0820
Amphetamine	Amphetamine-D11	4.343	9621637	428681	22.4448	258.9752
Oxycodone	Oxycodone-D6	4.350	12397752	1679026	7.3839	247.2015
Hydrocodone	Hydrocodone-D6	4.635	4202634	887206	4.7369	257.2301
Norhydrocodone	Norhydrocodone-D3	4.698	188774	192655	0.9799	276.1688
Methamphetamine	Methamphetamine-D11	4.724	5530392	472860	11.6956	253.1870
6-MAM	6-MAM-D6	4.869	125818	193543	0.6501	22.4453
Phentermine	Phentermine-D5	5.566	2801599	869828	3.2209	267.8057
Dextrophan	Dextrophan-D3	6.063	4802036	1326074	3.6212	256.6551
7-aminoclonazepam	7-Aminoclonazepam-D4	6.174	5476899	765961	7.1504	265.5869
Tramadol	Tramadol-13C-D3	6.203	33556639	6667804	5.0326	245.6686
Metoprolol	Tramadol-13C-D3	6.302	2990505	6667804	0.4485	251.1526
Doxylamine	Doxylamine-D5	6.522	18437762	3711975	4.9671	268.5684
Bupropion	Bupropion-D9	6.771	4195507	438660	9.5644	291.6445
Zolpidem	Zolpidem-D6	6.801	31134170	6669148	4.6684	264.5096
Meprobamate	Meprobamate-D7	6.873	2880815	341342	8.4397	259.5643
Trazodone	Trazodone-D6	7.016	5309801	608498	8.7261	252.9689
Venlafaxine	Venlafaxine-D6	7.026	24662516	3493479	7.0596	265.9555

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report *a cal b*

P

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.159	4094224	652457	6.2751	251.2493
Dextromethorphan	Dextromethorphan-D3	7.191	1059121	141313	7.4949	235.8790
Diphenhydramine	Diphenhydramine-D3	7.214	8293480	1405887	5.8991	266.1678
Promethazine	Promethazine-D3	7.389	1864701	244221	7.6353	242.3485
Clonazepam	Clonazepam-D4	7.445	3094357	81995	37.7385	267.6160
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.501	1271426	179652	7.0772	263.7867
Carisoprodol	Carisoprodol-D7	7.534	8288223	1291124	6.4194	244.8986
Lorazepam	Clonazepam-D4	7.543	1170975	81995	14.2811	254.9074
Alprazolam	Alprazolam-D5	7.568	18210250	1999199	9.1088	251.3549

ISP FORENSICS - Pocatello Instrument # 59740

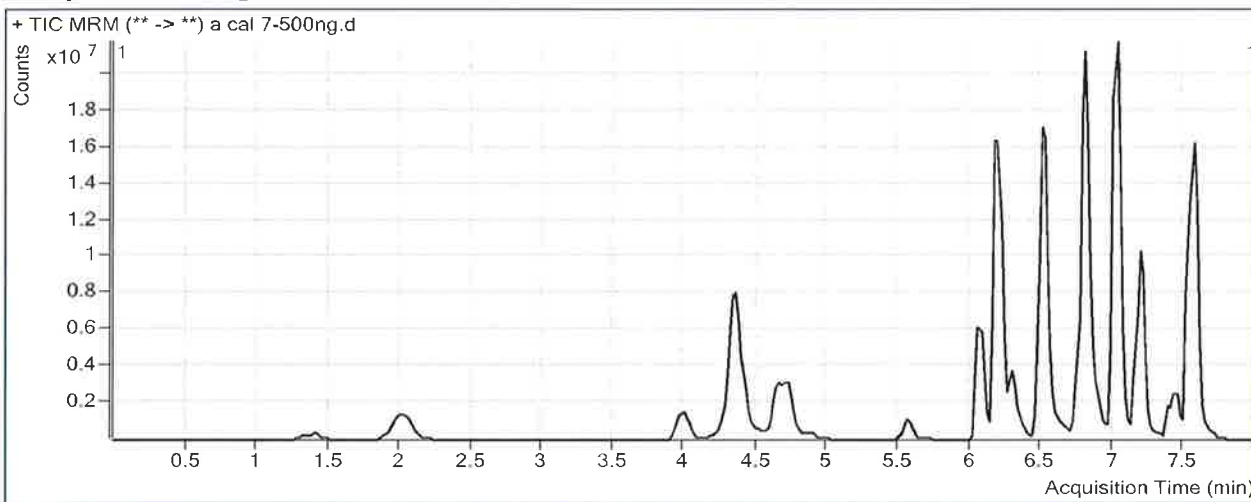
Multi-Drug Confirmatory Analysis Report

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Analysis Time 8/20/2018 1:50 PM **Analyst Name** ISUser
Report Time 8/20/2018 1:59 PM **Reporter Name** ISUser
Last Calib Update 8/20/2018 1:49 PM **Batch State** Processed

Analysis Info

Acq Time 2018-08-15 16:51 **Data File** a cal 7-500ng.d
Sample Type Calibration **Sample Name** a cal 7-500ng.d
Dilution 1 **Acq Method** MD Quant Panel 1a 7-11-18.m
Position P1-B12 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.388	1622103	49803	32.5701	532.6149
Hydromorphone	Hydromorphone-D6	2.029	6631458	396704	16.7164	524.1918
Codeine	Codeine-D6	3.972	2530607	151579	16.6949	580.1797
Amphetamine	Amphetamine-D11	4.343	15707974	383923	40.9144	477.7039
Oxycodone	Oxycodone-D6	4.350	23630556	1573876	15.0142	500.8533
Hydrocodone	Hydrocodone-D6	4.635	7912849	815348	9.7049	525.4930
Norhydrocodone	Norhydrocodone-D3	4.698	374129	157087	2.3817	670.5475
Methamphetamine	Methamphetamine-D11	4.724	10659202	444880	23.9597	518.0865
6-MAM	6-MAM-D6	4.869	244620	172515	1.4180	48.8805
Phentermine	Phentermine-D5	5.566	5210255	805022	6.4722	537.5818
Dextrophan	Dextrophan-D3	6.063	9178891	1271455	7.2192	510.6571
7-aminoclonazepam	7-Aminoclonazepam-D4	6.174	9327299	641631	14.5368	539.3468
Tramadol	Tramadol-13C-D3	6.203	53912928	5695880	9.4652	461.8929
Metoprolol	Tramadol-13C-D3	6.302	5195238	5695880	0.9121	509.7833
Doxylamine	Doxylamine-D5	6.522	33468427	3450223	9.7004	523.7721
Bupropion	Bupropion-D9	6.771	6604230	414263	15.9421	485.3396
Zolpidem	Zolpidem-D6	6.801	51406034	6069138	8.4701	479.1859
Meprobamate	Meprobamate-D7	6.873	5150998	295267	17.4453	535.0801
Trazodone	Trazodone-D6	7.016	11236297	629727	17.8431	516.3057
Venlafaxine	Venlafaxine-D6	7.026	41521031	3109455	13.3532	502.8622

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

8

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.159	8384808	633060	13.2449	528.3761
Dextromethorphan	Dextromethorphan-D3	7.191	2217213	135086	16.4134	515.1798
Diphenhydramine	Diphenhydramine-D3	7.214	17161436	1430178	11.9995	540.2662
Promethazine	Promethazine-D3	7.389	4478447	277210	16.1554	510.1024
Clonazepam	Clonazepam-D4	7.445	5854701	71354	82.0514	580.1727
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.501	2371696	173314	13.6844	508.8287
Carisoprodol	Carisoprodol-D7	7.534	13446299	983309	13.6745	520.5172
Lorazepam	Clonazepam-D4	7.543	2339704	71354	32.7900	581.2653
Alprazolam	Alprazolam-D5	7.568	29849927	1597909	18.6806	514.7533

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

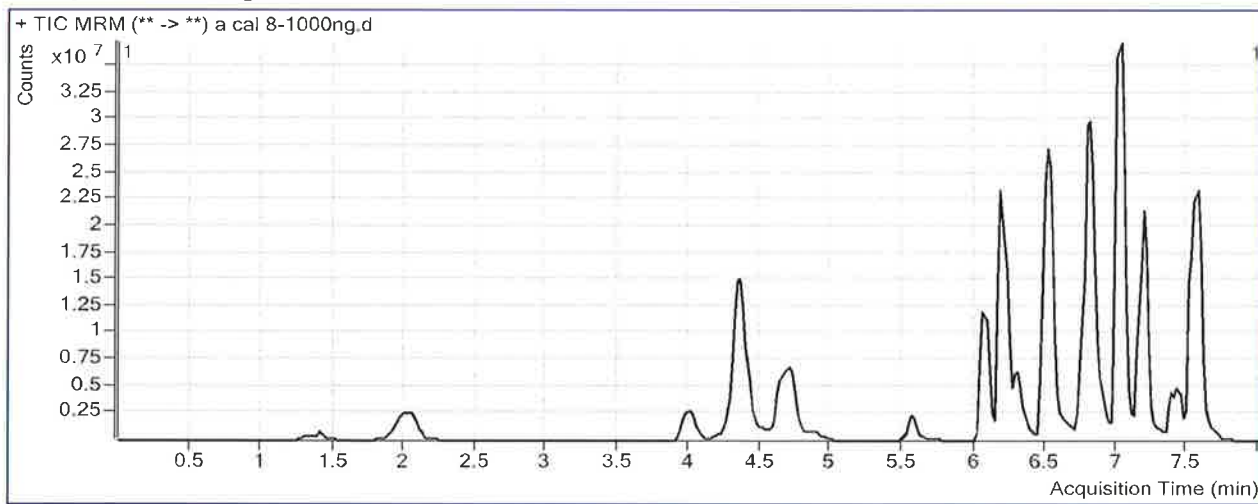
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Report Time 8/20/2018 1:59 PM **Reporter Name** ISPUser
Last Calib Update 8/20/2018 1:49 PM **Batch State** Processed

Analysis Info

Acq Time 2018-08-15 17:22 **Data File** a cal 8-1000ng.d
Sample Type Calibration **Sample Name** a cal 8-1000ng.d
Dilution 1 **Acq Method** MD Quant Panel 1a 7-11-18.m
Position P1-A12 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.388	3294551	53181	61.9494	1012.5672
Hydromorphone	Hydromorphone-D6	2.029	13413396	372139	36.0440	1128.6928
Codeine	Codeine-D6	3.992	4763603	147369	32.3242	1122.5797
Amphetamine	Amphetamine-D11	4.343	31877898	450592	70.7466	830.9966
Oxycodone	Oxycodone-D6	4.350	47683512	1578916	30.2002	1005.6708
Hydrocodone	Hydrocodone-D6	4.635	15252872	851900	17.9045	968.2646
Norhydrocodone	Norhydrocodone-D3	4.698	703717	135262	5.2026	1464.1733
Methamphetamine	Methamphetamine-D11	4.724	24156989	498784	48.4317	1046.6715
6-MAM	6-MAM-D6	4.869	545424	180186	3.0270	104.2731
Phentermine	Phentermine-D5	5.566	10099170	874911	11.5431	958.3340
Dextrorphan	Dextrorphan-D3	6.063	18811150	1253733	15.0041	1060.2421
7-aminoclonazepam	7-Aminoclonazepam-D4	6.174	15980884	629971	25.3676	940.7608
Tramadol	Tramadol-13C-D3	6.203	80397173	5630860	14.2780	696.6583
Metoprolol	Tramadol-13C-D3	6.302	9401691	5630860	1.6697	932.4064
Doxylamine	Doxylamine-D5	6.502	63965536	4136851	15.4624	834.4427
Bupropion	Bupropion-D9	6.771	16102714	430315	37.4208	1137.6587
Zolpidem	Zolpidem-D6	6.801	78655034	6040406	13.0215	736.1984
Meprobamate	Meprobamate-D7	6.873	10001102	284878	35.1066	1075.4117
Trazodone	Trazodone-D6	7.016	28075589	901981	31.1266	899.9845
Venlafaxine	Venlafaxine-D6	7.026	72961573	3389961	21.5228	810.3910

ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report a cal 8

8

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.159	18656386	681067	27.3929	1090.9166
Dextromethorphan	Dextromethorphan-D3	7.191	4961654	155938	31.8181	997.6052
Diphenhydramine	Diphenhydramine-D3	7.214	34555136	1653118	20.9030	940.3108
Promethazine	Promethazine-D3	7.389	10875628	343359	31.6742	997.7941
Clonazepam	Clonazepam-D4	7.425	10709012	82544	129.7370	916.5189
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.501	4607288	165445	27.8479	1034.1102
Carisoprodol	Carisoprodol-D7	7.534	20820950	793166	26.2504	998.2672
Lorazepam	Clonazepam-D4	7.543	4736538	82544	57.3820	1014.8809
Alprazolam	Alprazolam-D5	7.568	45915641	1288476	35.6356	981.3216

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ISP FORENSICS - Pocatello Instrument # 59740

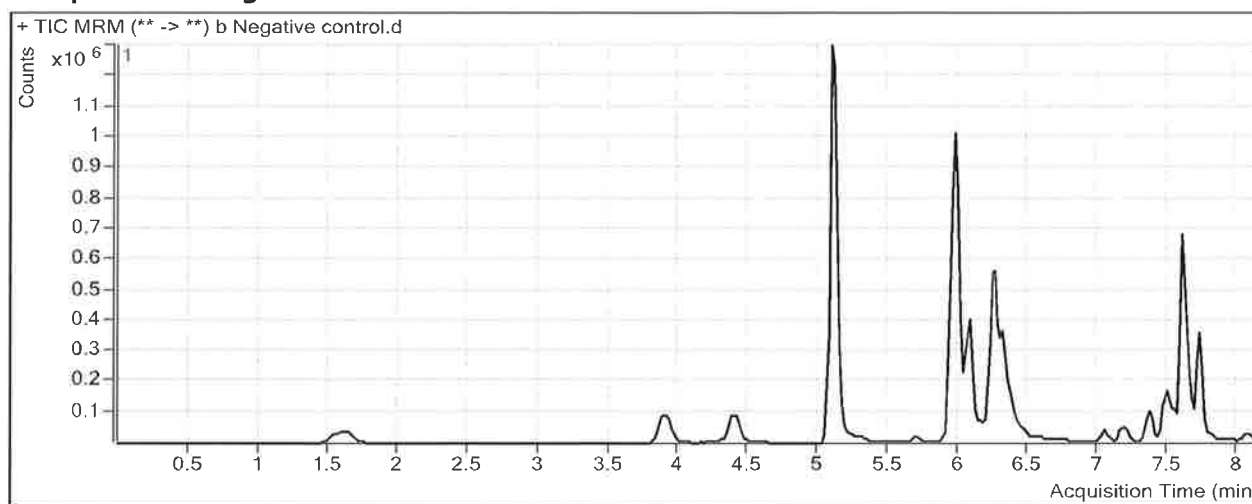
Multi-Drug Confirmatory Analysis Report

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Report Time	8/20/2018 3:04 PM	Reporter Name	ISPUser
Last Calib Update	8/20/2018 2:39 PM	Batch State	Processed

Analysis Info

Acq Time	2018-08-15 18:41	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-D11	Sample Info	
Inj Vol	-1	Comment	AM 28

Sample Chromatogram



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ISP FORENSICS - Pocatello Instrument # 59740

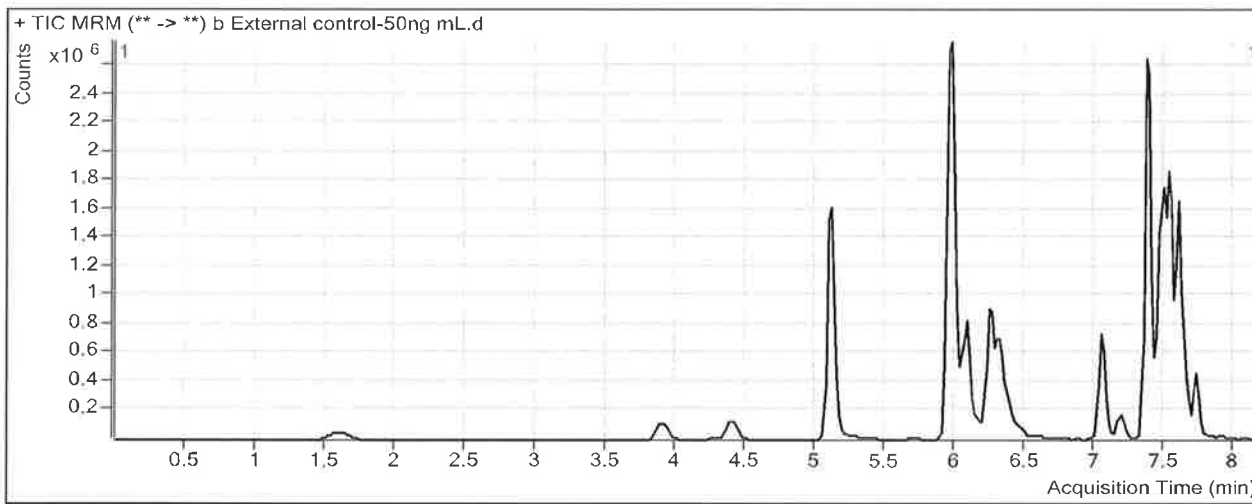
Multi-Drug Confirmatory Analysis Report

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Analysis Time 8/20/2018 2:39 PM **Analyst Name** ISPUser
Report Time 8/20/2018 3:04 PM **Reporter Name** ISPUser
Last Calib Update 8/20/2018 2:39 PM **Batch State** Processed

Analysis Info

Acq Time 2018-08-15 19:13 **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-C11 **Sample Info**
Inj Vol -1 **Comment** AM 28; WS121217 50 ng trazodone, ketamine, morphine, quetiapine

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Ketamine	Ketamine-D4	5.962	5315625	3453462	1.5392	60.8445
Quetiapine	Quetiapine-D8	7.379	5629440	1262413	4.4593	40.4296
Methadone	Methadone-D9	7.920	35908	4808706	0.0075	2.6736 ²⁵

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

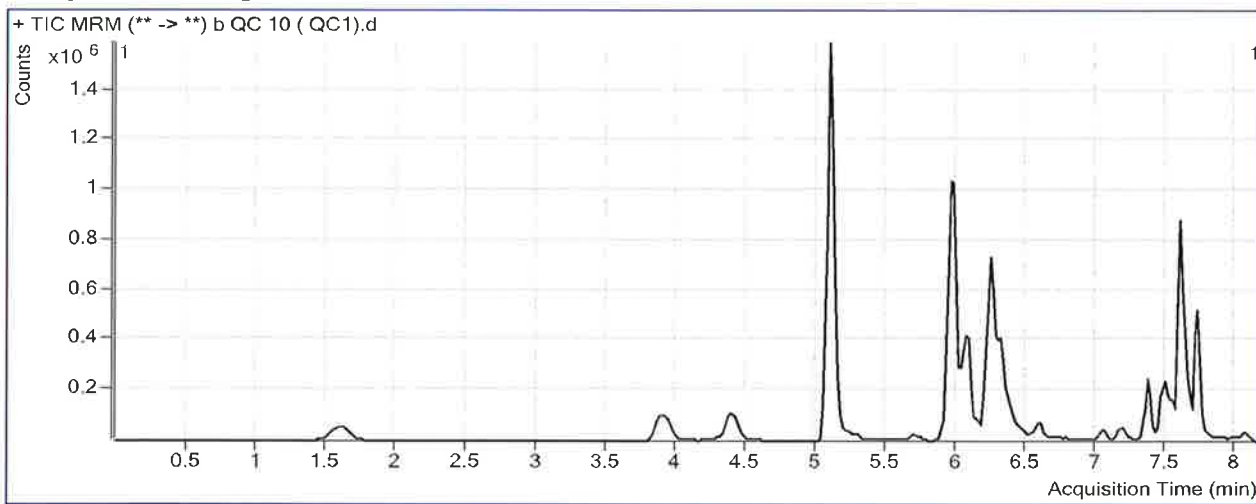
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Report Time 8/20/2018 3:04 PM **Reporter Name** ISPUser
Last Calib Update 8/20/2018 2:39 PM **Batch State** Processed

Analysis Info

Acq Time 2018-08-15 20:16 **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-H11 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.628	108134	424015	0.2550	9.7499
Dihydrocodeine	Dihydrocodeine-D6	3.930	103855	558276	0.1860	10.0271
Noroxycodone	Noroxycodone-D3	4.411	149669	539128	0.2776	9.9544
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.100	1227019	5589442	0.2195	10.3850
Benzoylcegonine	Benzoylcegonine-d8	5.731	14274	54817	0.2604	14.4531 *
Ketamine	Ketamine-D4	5.962	530059	2208796	0.2400	10.2614
Norfentanyl	Norfentanyl-D5	6.004	37608	2498423	0.0151	1.4635 *
Cocaine	Cocaine-d3	6.232	186193	2606076	0.0714	10.2289
alpha-PVP	alpha-PVP-d8	6.328	218379	1283962	0.1701	9.5616
Mirtazapine	alpha-PVP-d8	6.583	135875	1283962	0.1058	9.4731
Fentanyl	Fentanyl-D5	7.057	2534	146982	0.0172	1.5543 *
EDDP	EDDP-D3	7.189	27344	144939	0.1887	9.7475
Mitragynine	EDDP-D3	7.156	14938	144939	0.1031	0.0000 *
Quetiapine	Quetiapine-D8	7.358	322703	337640	0.9558	9.4207
Cyclobenzaprine	Cyclobenzaprine-D3	7.453	15004	58667	0.2558	17.8569 *
Methadone	Methadone-D9	7.481	131792	515187	0.2558	10.5124
Buprenorphine	Buprenorphine-D4	7.476	3014	66299	0.0455	1.2356 *
Fluoxetine	Fluoxetine-D6	7.521	35131	185600	0.1893	9.4736 *
Oxazepam	Oxazepam-D5	7.569	31508	164323	0.1917	9.4844

** Did not evaluate
 * outside curve range

P

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report *b QC 10 (QC 1)*

S

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.583	17282	93602	0.1846	9.7498
Temazepam	Temazepam-D5	7.604	383807	2064036	0.1859	9.5918
Nordiazepam	Nordiazepam-D5	7.675	102485	262411	0.3906	11.3490
Diazepam	Diazepam-D5	7.732	236405	974766	0.2425	10.6344

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

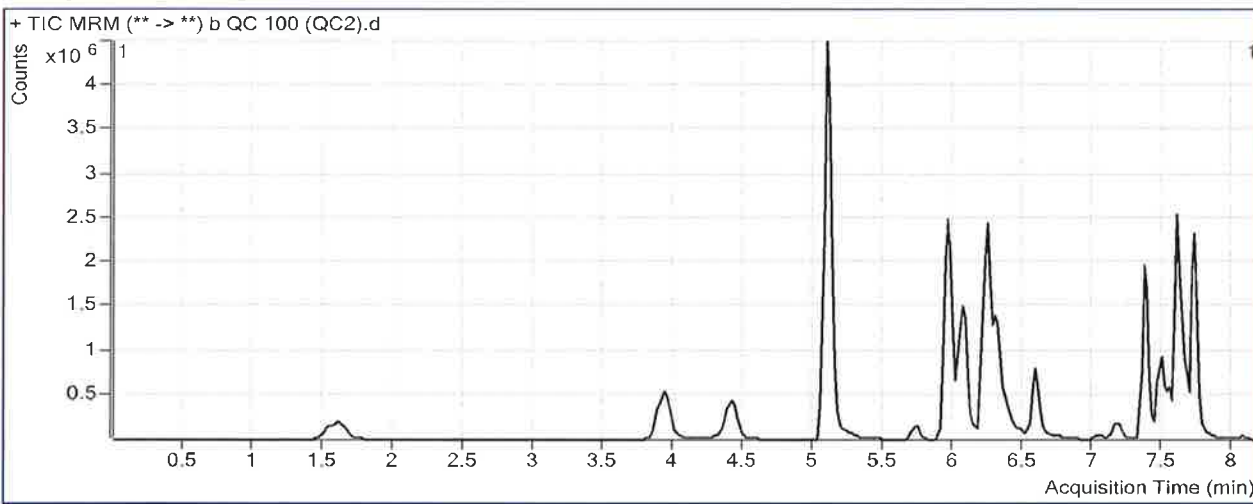
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Analysis Time 8/20/2018 2:39 PM **Analyst Name** ISPUser
Report Time 8/20/2018 3:05 PM **Reporter Name** ISPUser
Last Calib Update 8/20/2018 2:39 PM **Batch State** Processed

Analysis Info

Acq Time 2018-08-15 22:21 **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-G11 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.628	1279848	416508	3.0728	90.8475
Dihydrocodeine	Dihydrocodeine-D6	3.930	1285308	568605	2.2605	106.0769
Noroxycodone	Noroxycodone-D3	4.411	1862147	532165	3.4992	93.5470
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.100	13573245	5631410	2.4103	109.5232
Benzoylcegonine	Benzoylcegonine-d8	5.711	179284	50457	3.5532	171.8775 **
Ketamine	Ketamine-D4	5.962	5864036	2318252	2.5295	99.3995
Norfentanyl	Norfentanyl-D5	6.004	519090	2580830	0.2011	9.4239
Cocaine	Cocaine-d3	6.232	2142619	2702351	0.7929	90.4440
alpha-PVP	alpha-PVP-d8	6.328	2652406	1348204	1.9674	100.9485
Mirtazapine	alpha-PVP-d8	6.583	1748476	1348204	1.2969	103.1980
Norbuprenorphine	Norbuprenorphine-D3	6.974	983	7803	0.1260	9.3202 **
Fentanyl	Fentanyl-D5	7.057	12973	140319	0.0925	5.6868 ***
EDDP	EDDP-D3	7.189	331582	150963	2.1964	91.9897
Mitragynine	EDDP-D3	7.136	164469	150963	1.0895	91.3255
Quetiapine	Quetiapine-D8	7.358	4659988	361287	12.8983	115.1217
Cyclobenzaprine	Cyclobenzaprine-D3	7.453	174158	66742	2.6094	93.3777
Methadone	Methadone-D9	7.481	1523942	508360	2.9978	97.0586
Buprenorphine	Buprenorphine-D4	7.476	23822	52350	0.4551	11.8020 **
Fluoxetine	Fluoxetine-D6	7.521	481195	198700	2.4217	95.8352

** Did not evaluate
 *** Secondary peak cut off

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

BQC 100 (QC2)

TS

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxazepam	Oxazepam-D5	7.549	351383	166209	2.1141	93.5382
Sertraline	Sertraline-D3	7.583	182509	95230	1.9165	82.3543
Temazepam	Temazepam-D5	7.604	4346068	1921191	2.2622	100.4868
Nordiazepam	Nordiazepam-D5	7.675	1144663	263115	4.3504	98.1372
Diazepam	Diazepam-D5	7.732	2625055	942979	2.7838	98.8482

P

ISP FORENSICS - Pocatello Instrument # 59740

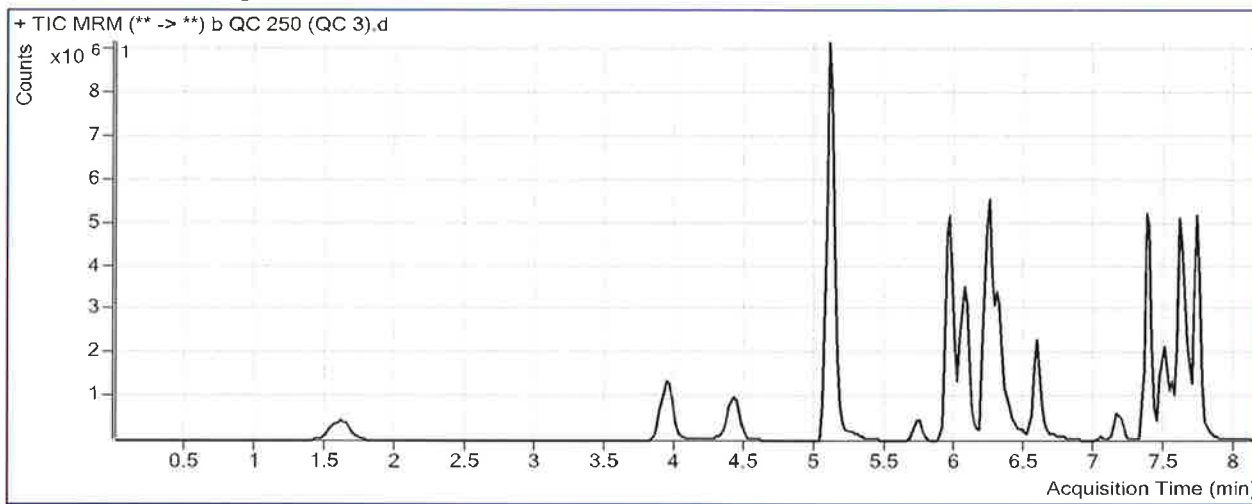
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\081518 P1 P2 SP\QuantResults\081518 MDQ P1b.batch.bin
Analysis Time 8/20/2018 2:39 PM **Analyst Name** ISPUser
Report Time 8/20/2018 3:05 PM **Reporter Name** ISPUser
Last Calib Update 8/20/2018 2:39 PM **Batch State** Processed

Analysis Info

Acq Time 2018-08-16 00:43 **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-F11 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.608	3454176	416058	8.3021	241.3515
Dihydrocodeine	Dihydrocodeine-D6	3.930	3364488	574018	5.8613	272.8025
Noroxycodone	Noroxycodone-D3	4.411	4829714	518352	9.3174	244.5170
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.100	34127653	5670835	6.0181	272.7883
Benzoylcegonine	Benzoylcegonine-d8	5.711	613119	54217	11.3087	542.6530 **
Ketamine	Ketamine-D4	5.962	15813757	2263370	6.9868	272.9355
Norfentanyl	Norfentanyl-D5	6.004	1545863	2645104	0.5844	25.8206
Cocaine	Cocaine-d3	6.232	6025896	2784211	2.1643	242.9338
alpha-PVP	alpha-PVP-d8	6.328	6931284	1476247	4.6952	239.6522
Mirtazapine	alpha-PVP-d8	6.583	5221668	1476247	3.5371	279.4813
Norbuprenorphine	Norbuprenorphine-D3	6.954	1448	3691	0.3921	21.2752 **
Fentanyl	Fentanyl-D5	7.037	59408	146554	0.4054	22.8794
EDDP	EDDP-D3	7.169	1239633	188543	6.5748	271.3345
Mitragynine	EDDP-D3	7.136	507080	188543	2.6895	242.7051
Quetiapine	Quetiapine-D8	7.358	13096932	403216	32.4812	288.4459
Cyclobenzaprine	Cyclobenzaprine-D3	7.453	430568	62431	6.8967	230.9418
Methadone	Methadone-D9	7.481	4229551	535609	7.8967	251.6881
Buprenorphine	Buprenorphine-D4	7.476	68831	68157	1.0099	26.1148 **
Fluoxetine	Fluoxetine-D6	7.541	912929	143914	6.3436	247.5518

** Did not evaluate P

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

b QC 250 (QC3)

R

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxazepam	Oxazepam-D5	7.549	1054659	143767	7.3359	321.8571
Sertraline	Sertraline-D3	7.583	334864	62597	5.3495	226.2754
Temazepam	Temazepam-D5	7.604	10974741	1896955	5.7855	254.7322
Nordiazepam	Nordiazepam-D5	7.675	2727479	251383	10.8499	240.5847
Diazepam	Diazepam-D5	7.732	6511032	874523	7.4452	260.6588

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

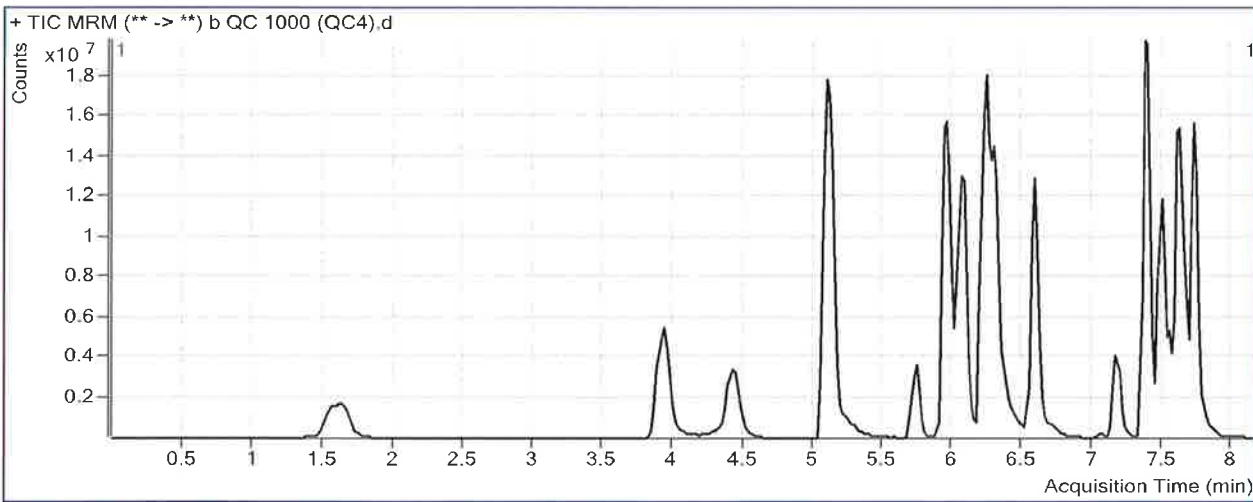
P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\081518 P1 P2 SP\QuantResults\081518 MDQ P1b.batch.bin
Analysis Time 8/20/2018 2:39 PM **Analyst Name** ISPUser
Report Time 8/20/2018 3:06 PM **Reporter Name** ISPUser
Last Calib Update 8/20/2018 2:39 PM **Batch State** Processed

Analysis Info

Acq Time 2018-08-16 03:51 **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-E11 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.628	15093207	471315	32.0236	924.0720
Dihydrocodeine	Dihydrocodeine-D6	3.930	14317392	682195	20.9872	973.1606
Noroxycodone	Noroxycodone-D3	4.411	17839746	497429	35.8639	933.3368
O-desmethyl tramadol	O-desmethyl-tramadol-D6	5.100	95481388	5981864	15.9618	722.7717 *
Benzylecgonine	Benzylecgonine-d8	5.731	4578487	59521	76.9218	3679.4976 **
Ketamine	Ketamine-D4	5.962	59441583	2688737	22.1076	861.6321
Norfentanyl	Norfentanyl-D5	6.004	7342255	3017817	2.4330	104.8994
Cocaine	Cocaine-d3	6.232	23718340	2864575	8.2799	922.9222
alpha-PVP	alpha-PVP-d8	6.308	34104064	1707265	19.9758	1016.6318
Mirtazapine	alpha-PVP-d8	6.583	29507703	1707265	17.2836	1361.1887 *
Norbuprenorphine	Norbuprenorphine-D3	6.974	17365	7389	2.3501	109.2171 **
Fentanyl	Fentanyl-D5	7.057	390875	191702	2.0390	112.6366
EDDP	EDDP-D3	7.169	8058389	309031	26.0763	1070.1446
Mitragynine	EDDP-D3	7.136	2814201	309031	9.1065	849.8351
Quetiapine	Quetiapine-D8	7.379	49287761	654455	75.3112	667.5262 *
Cyclobenzaprine	Cyclobenzaprine-D3	7.453	2426437	78186	31.0343	1005.4334
Methadone	Methadone-D9	7.481	23993691	784778	30.5739	967.4643
Buprenorphine	Buprenorphine-D4	7.476	244720	70432	3.4745	89.6950 **
Fluoxetine	Fluoxetine-D6	7.521	3128017	118048	26.4979	1027.2216

** Did not evaluate
 * outside curve range P

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

P
b GC 1000 (QC4)

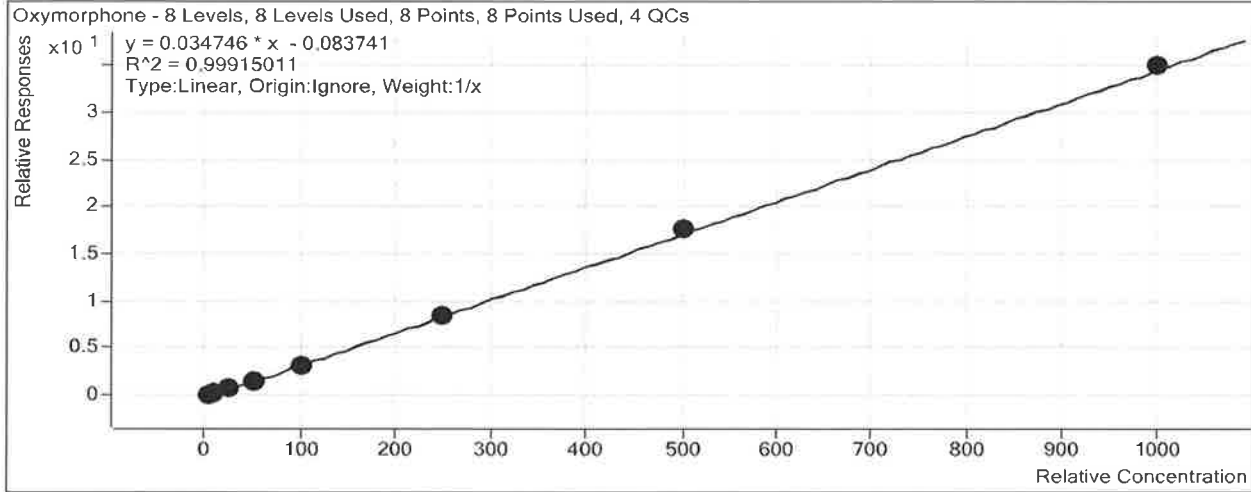
Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxazepam	Oxazepam-D5	7.549	4686589	188484	24.8646	1088.2900
Sertraline	Sertraline-D3	7.603	1098316	57446	19.1192	803.5371
Temazepam	Temazepam-D5	7.625	38115975	1753731	21.7342	952.9532
Nordiazepam	Nordiazepam-D5	7.675	9853471	215588	45.7051	1004.5027
Diazepam	Diazepam-D5	7.732	23384163	769319	30.3959	1057.3361

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\081518 P1 P2 SP\QuantResults\081518 MDQ
P1b.batch.bin

Last Calib Update 8/20/2018 2:39 PM **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	6.1	122.8
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	10.0	100.4
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.7	97.5
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.0	92.2
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	44.3	88.6
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	95.0	95.0
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	90.8	90.8
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	246.8	98.7
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	241.4	96.5
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	507.2	101.4
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1007.4	100.7
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	924.1	92.4

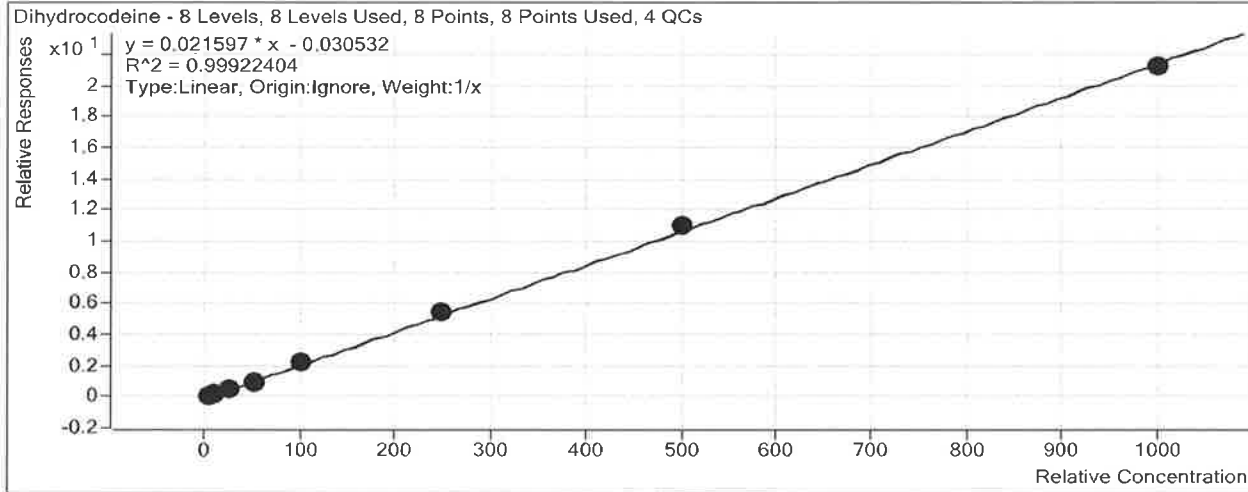
ISP Forensics Calibration Curve Report

D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\081518 P1 P2 SP\QuantResults\081518 MDQ
P1b.batch.bin

Last Calib Update 8/20/2018 2:39 PM **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	5.6	111.6
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.3	92.5
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	23.5	94.2
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	46.8	93.7
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	106.6	106.6
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	106.1	106.1
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	251.4	100.6
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	272.8	109.1
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	512.0	102.4
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	984.7	98.5
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	973.2	97.3

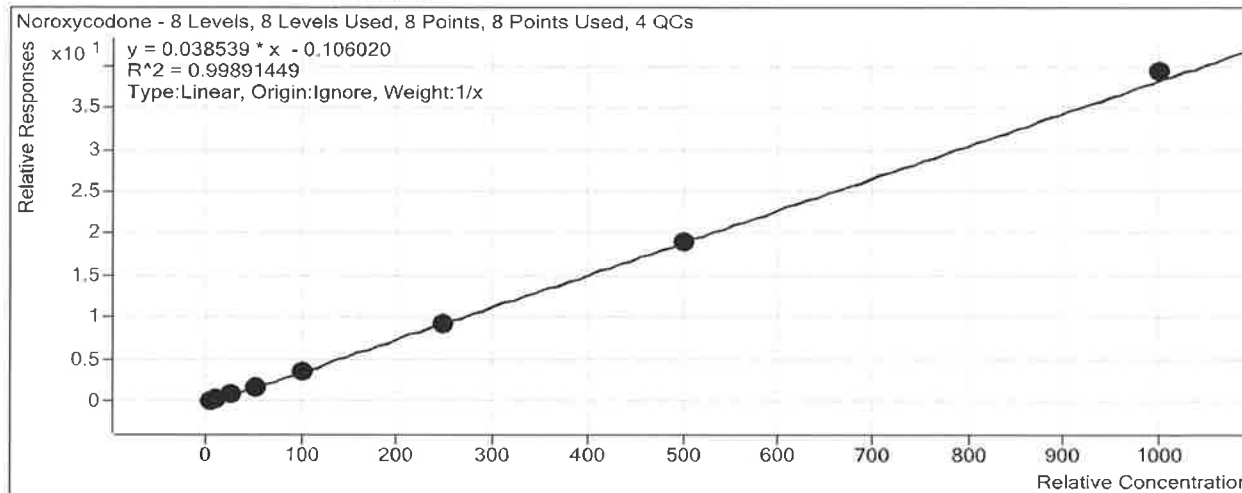
ISP Forensics Calibration Curve Report

P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\081518 P1 P2 SP\QuantResults\081518 MDQ
P1b.batch.bin

Last Calib Update 8/20/2018 2:39 PM **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	6.4	127.6
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.7	96.6
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.0	99.5
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	22.4	89.5
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	45.2	90.4
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	97.8	97.8
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	93.5	93.5
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	242.1	96.8
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	244.5	97.8
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	495.2	99.0
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1021.3	102.1
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	933.3	93.3

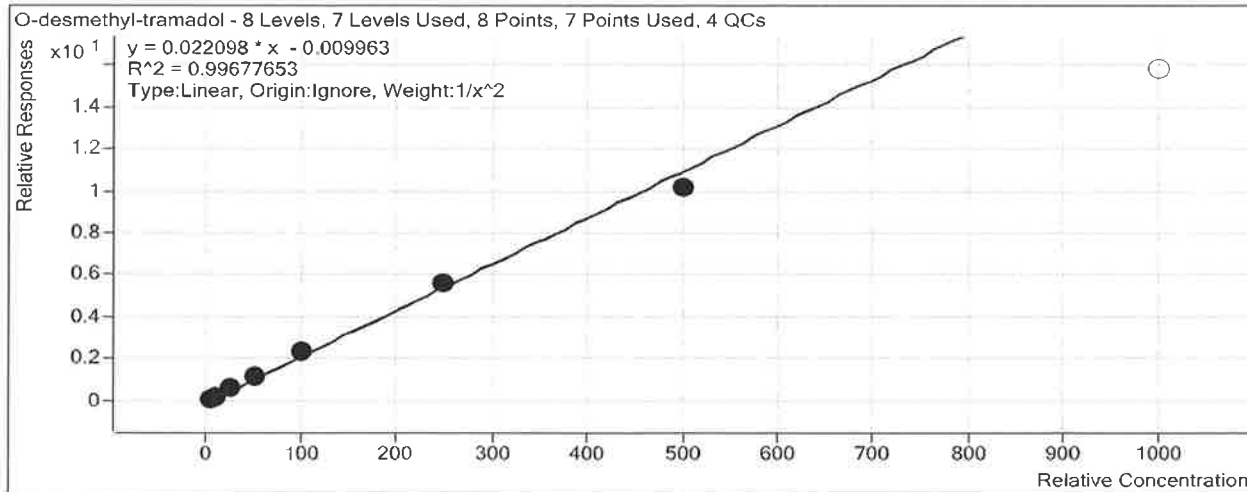
ISP Forensics Calibration Curve Report

D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\081518 P1 P2 SP\QuantResults\081518 MDQ
P1b.batch.bin

Last Calib Update 8/20/2018 2:39 PM **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	5.0	100.8
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.7	97.2
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	25.3	101.3
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	49.8	99.7
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	107.7	107.7
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	109.5	109.5
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	272.8	109.1
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	459.1	91.8
b cal 8-1000ng.d	8	<input type="checkbox"/>	1000	714.2	71.4
b QC 1000 (QC4).d	8	<input type="checkbox"/>	1000	722.8	72.3

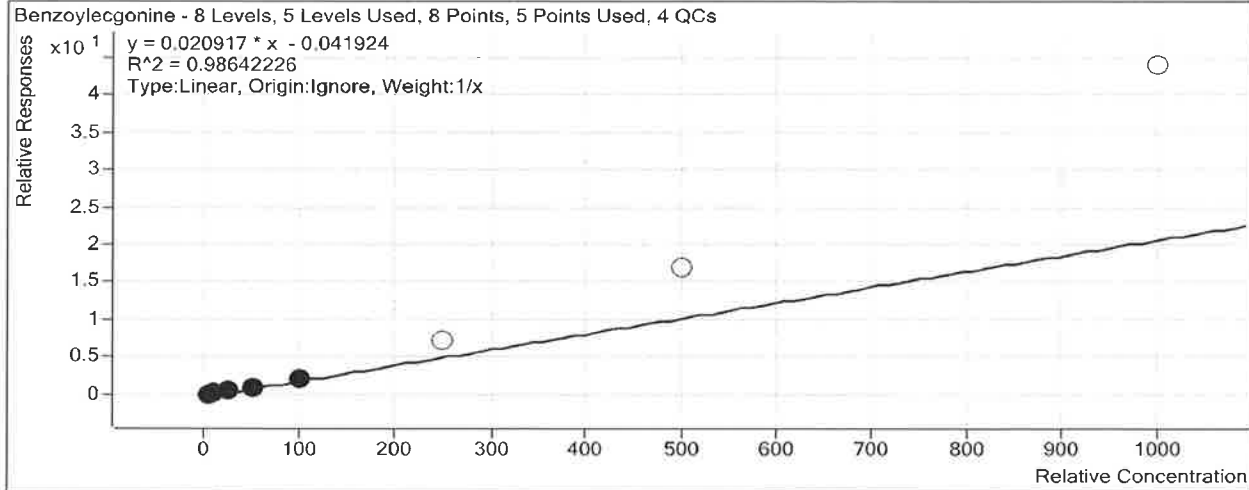
ISP Forensics Calibration Curve Report

P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\081518 P1 P2 SP\QuantResults\081518 MDQ
P1b.batch.bin

Last Calib Update 8/20/2018 2:39 PM **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	5.6	112.0
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	10.4	104.3
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	14.5	144.5
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	21.7	86.9
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	44.6	89.2
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	107.6	107.6
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	171.9	171.9
b cal 6-250ng.d	6	<input type="checkbox"/>	250	346.3	138.5
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	542.7	217.1
b cal 7-500ng.d	7	<input type="checkbox"/>	500	812.8	162.6
b cal 8-1000ng.d	8	<input type="checkbox"/>	1000	2100.3	210.0
b QC 1000 (QC4).d	8	<input type="checkbox"/>	1000	3679.5	367.9

Did not evaluate, accuracy varied for each cal and outside acceptable range. P

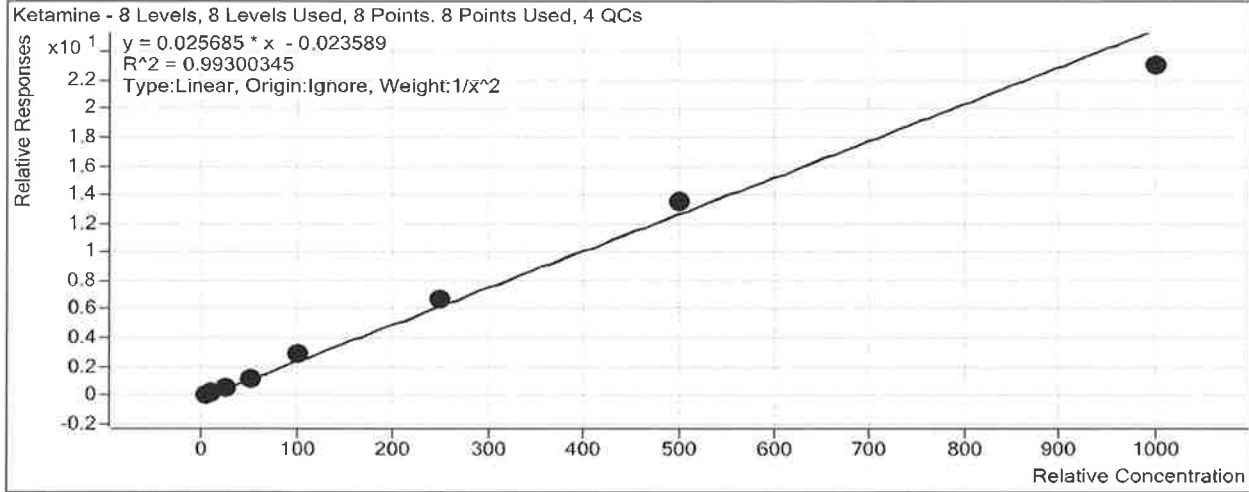
ISP Forensics Calibration Curve Report

P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\081518 P1 P2 SP\QuantResults\081518 MDQ
P1b.batch.bin

Last Calib Update 8/20/2018 2:39 PM **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	94.7
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.3	102.6
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.9	95.5
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	47.4	94.9
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	110.9	110.9
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	99.4	99.4
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	263.4	105.4
b QC 250 (QC3).d	6	<input checked="" type="checkbox"/>	250	272.9	109.2
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	527.7	105.5
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	896.7	89.7
b QC 1000 (QC4).d	8	<input type="checkbox"/>	1000	861.6	86.2

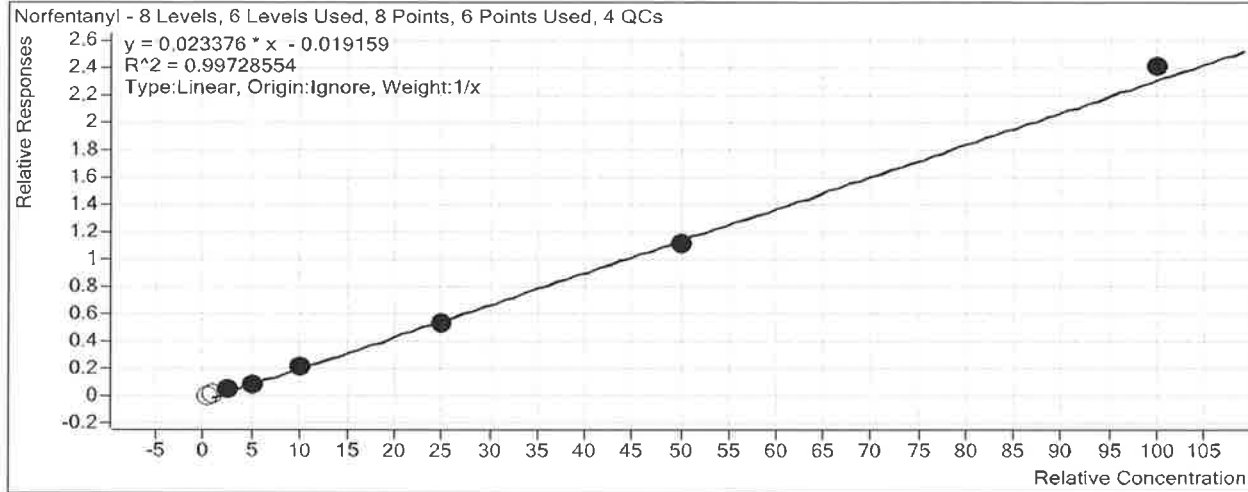
ISP Forensics Calibration Curve Report

D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\081518 P1 P2 SP\QuantResults\081518 MDQ
P1b.batch.bin

Last Calib Update 8/20/2018 2:39 PM **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	1.2	236.5
b cal 2-10ng.d	2	<input type="checkbox"/>	1	1.5	151.7
b QC 10 (QC1).d	2	<input type="checkbox"/>	1	1.5	146.4
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	2.5	2.9	115.5
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	5	4.6	92.4
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	10	9.9	98.8
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	10	9.4	94.2
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	25	23.3	93.4
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	25	25.8	103.3
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	50	48.2	96.3
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	100	103.6	103.6
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	100	104.9	104.9

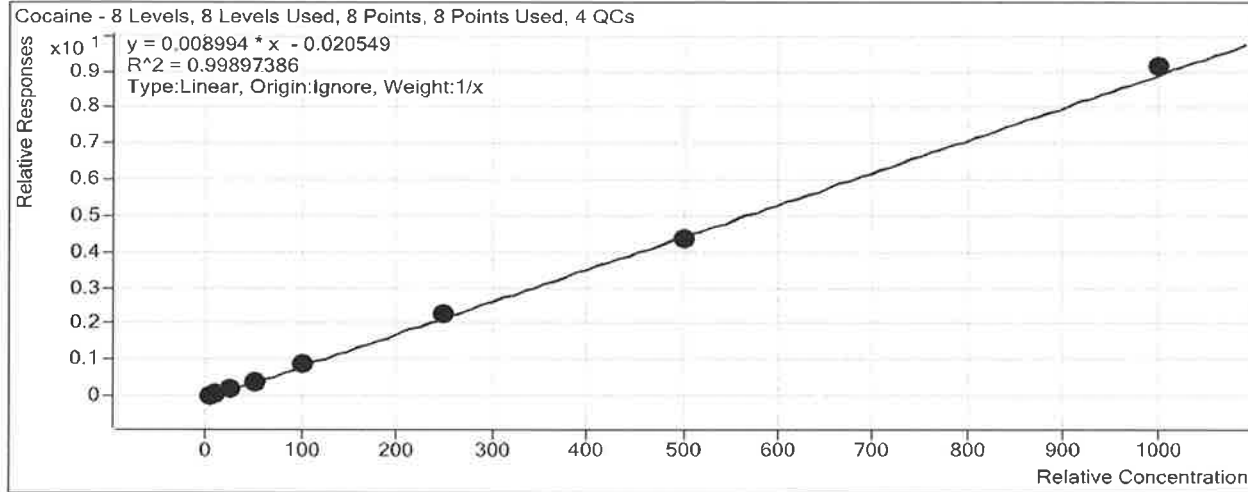
ISP Forensics Calibration Curve Report

P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\081518 P1 P2 SP\QuantResults\081518 MDQ
P1b.batch.bin

Last Calib Update 8/20/2018 2:39 PM **Analyst Name** ISP TOX

Target Compound Cocaine
Internal Standard Cocaine-d3



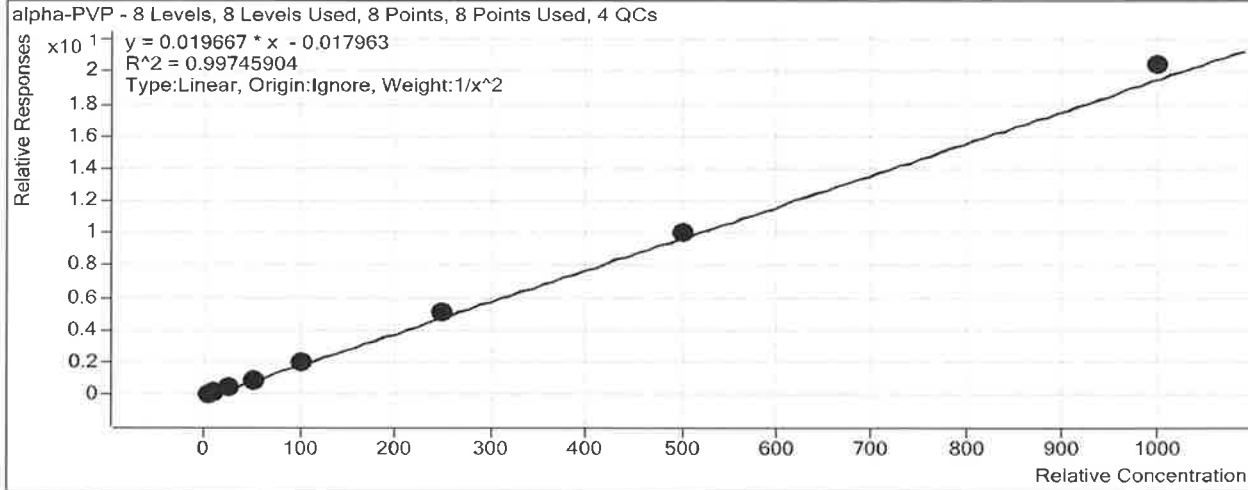
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.9	118.8
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	10.0	99.8
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.2	102.3
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.5	94.0
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	44.0	88.0
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	99.2	99.2
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	90.4	90.4
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	253.2	101.3
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	242.9	97.2
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	485.3	97.1
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1018.8	101.9
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	922.9	92.3

ISP Forensics Calibration Curve Report

P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\081518 P1 P2 SP\QuantResults\081518 MDQ
P1b.batch.bin
Last Calib Update 8/20/2018 2:39 PM **Analyst Name** ISP TOX

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



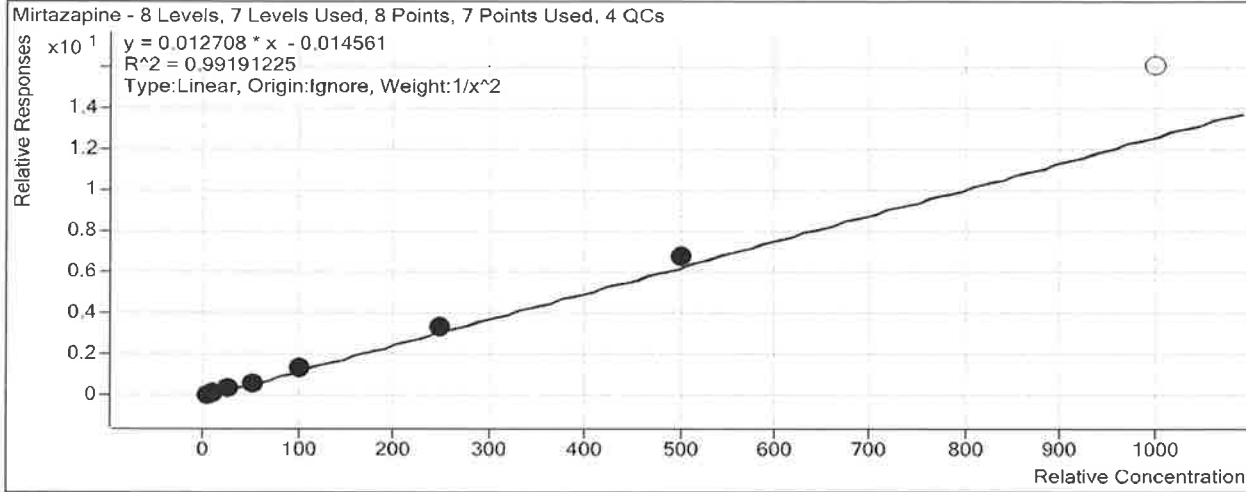
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.2	103.9
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.4	94.1
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.6	95.6
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	24.3	97.2
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	46.7	93.5
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	102.2	102.2
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	100.9	100.9
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	257.0	102.8
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	239.7	95.9
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	511.6	102.3
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1039.6	104.0
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	1016.6	101.7

ISP Forensics Calibration Curve Report

B

Batch Data Path C:\MassHunter\Data\2018\MD Quant\081518 P1 P2 SP\QuantResults\081518 MDQ
P1b.batch.bin
Last Calib Update 8/20/2018 2:39 PM **Analyst Name** ISP TOX

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



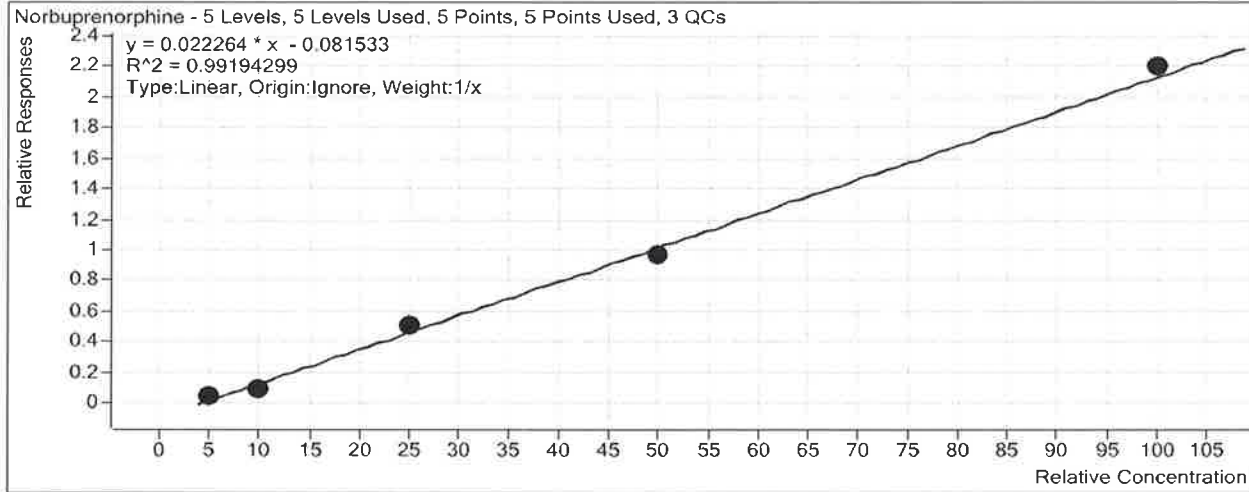
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.3	106.5
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	8.9	89.4
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.5	94.7
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	24.1	96.6
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	45.5	90.9
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	103.4	103.4
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	103.2	103.2
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	267.2	106.9
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	279.5	111.8
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	531.7	106.3
b cal 8-1000ng.d	8	<input type="checkbox"/>	1000	1265.5	126.6
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	1361.2	136.1

ISP Forensics Calibration Curve Report

P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\081518 P1 P2 SP\QuantResults\081518 MDQ
P1b.batch.bin
Last Calib Update 8/20/2018 2:39 PM **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 type="checkbox"/>	2.5	0.0	0.0
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	5	6.0	119.2
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	10	7.8	77.6
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	10	9.3	93.2
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	25	26.5	106.2
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	25	21.3	85.1
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	50	47.2	94.5
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	100	102.5	102.5
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	100	109.2	109.2

Did not evaluate norbuprenorphine due to wide accuracy variation and poor peak shapes. P

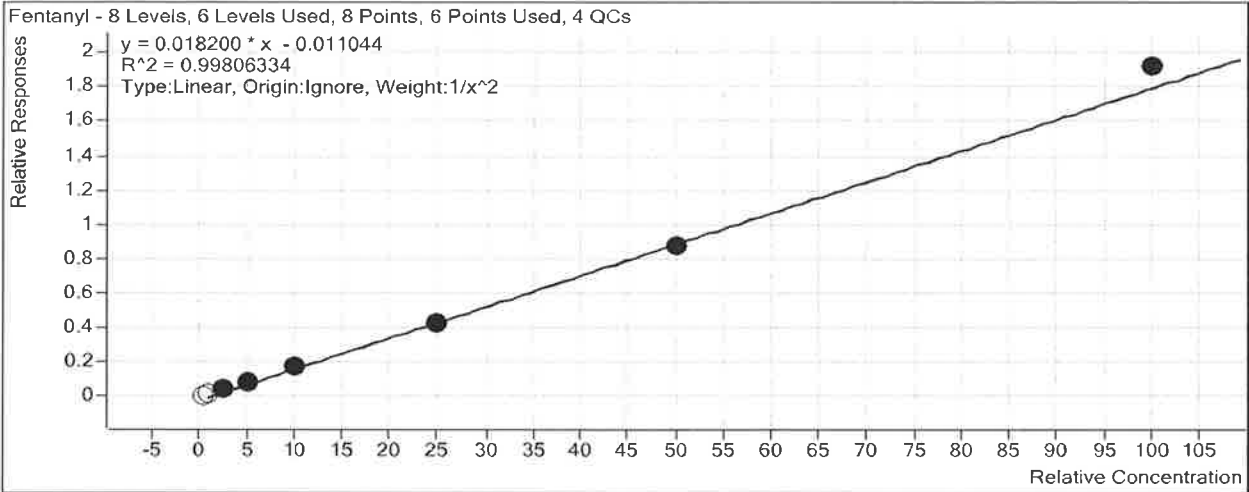
ISP Forensics Calibration Curve Report

D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\081518 P1 P2 SP\QuantResults\081518 MDQ
P1b.batch.bin

Last Calib Update 8/20/2018 2:39 PM **Analyst Name** ISP TOX

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



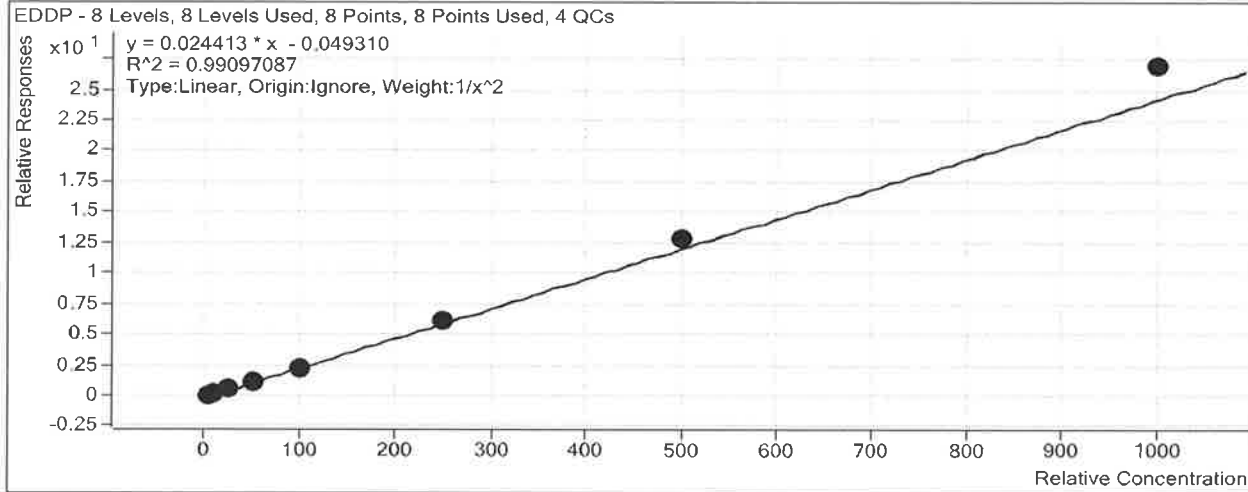
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input type="checkbox"/>	0.5	1.0	201.1
b cal 2-10ng.d	2	<input type="checkbox"/>	1	1.6	159.4
b QC 10 (QC1).d	2	<input type="checkbox"/>	1	1.6	155.4
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	2.5	2.5	101.6
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	5	4.9	97.0
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	10	10.1	100.6
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	10	5.7	56.9
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	22.9	91.5
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	50	48.7	97.3
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	100	106.0	106.0
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	100	112.6	112.6

ISP Forensics Calibration Curve Report

P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\081518 P1 P2 SP\QuantResults\081518 MDQ
P1b.batch.bin
Last Calib Update 8/20/2018 2:39 PM **Analyst Name** ISP TOX

Target Compound EDDP
Internal Standard EDDP-D3



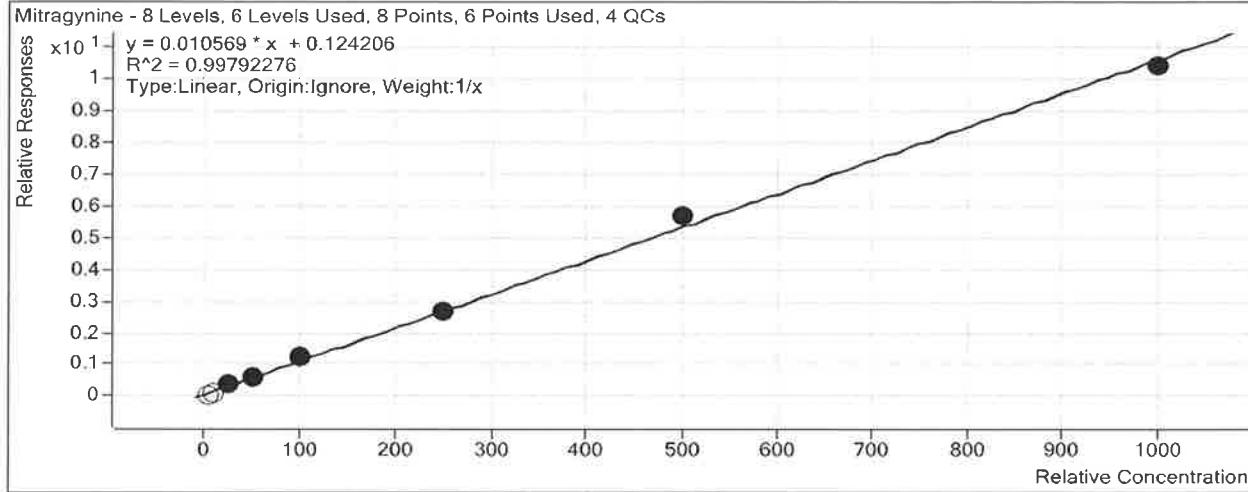
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.0	99.1
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	10.8	108.4
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.7	97.5
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	21.9	87.5
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	47.6	95.2
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	91.1	91.1
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	92.0	92.0
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	256.2	102.5
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	271.3	108.5
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	530.2	106.0
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1103.2	110.3
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	1070.1	107.0

ISP Forensics Calibration Curve Report

P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\081518 P1 P2 SP\QuantResults\081518 MDQ
P1b.batch.bin
Last Calib Update 8/20/2018 2:39 PM **Analyst Name** ISP TOX

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



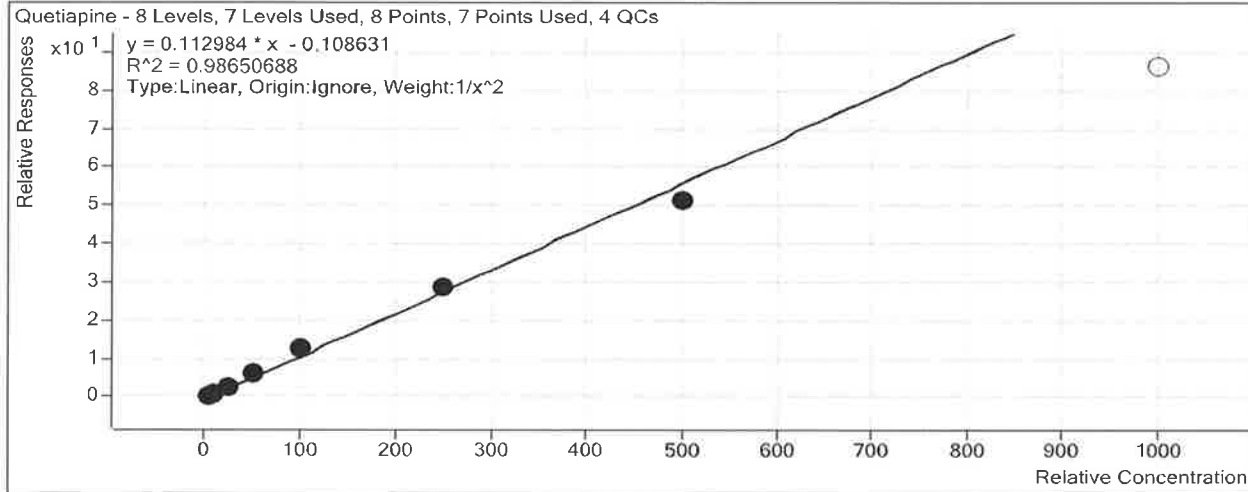
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input type="checkbox"/>	5	0.0	0.0
b cal 2-10ng.d	2	<input type="checkbox"/>	10	0.0	0.0
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	0.0	0.0
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.5	94.0
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	48.5	97.1
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	108.6	108.6
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	91.3	91.3
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	244.2	97.7
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	242.7	97.1
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	526.0	105.2
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	974.1	97.4
b QC 1000 (QC4).d	8	<input type="checkbox"/>	1000	849.8	85.0

ISP Forensics Calibration Curve Report

D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\081518 P1 P2 SP\QuantResults\081518 MDQ
P1b.batch.bin
Last Calib Update 8/20/2018 2:39 PM **Analyst Name** ISP TOX

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



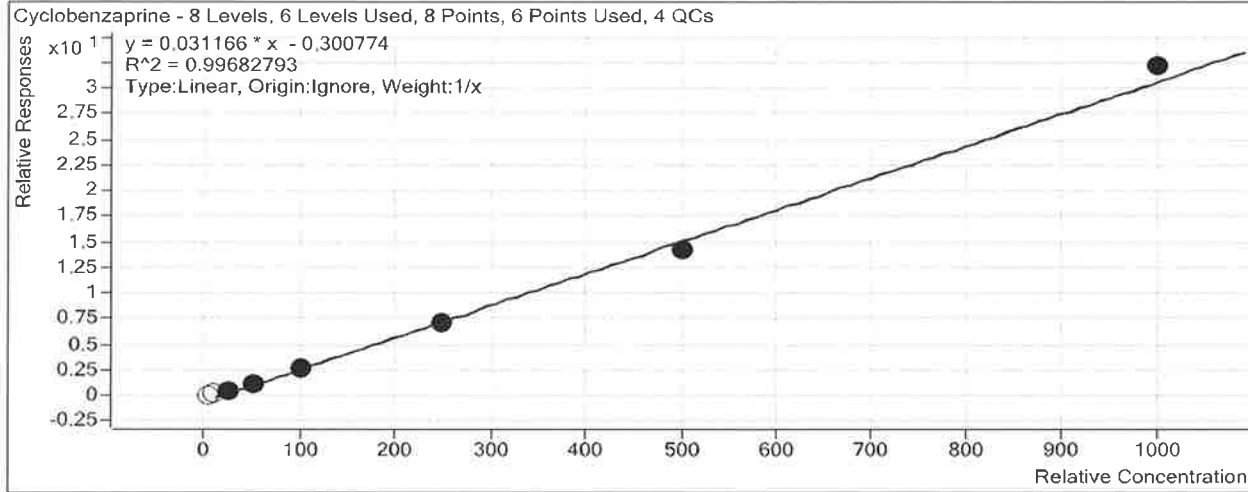
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.3	106.7
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	8.7	86.6
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.4	94.2
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.1	92.5
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	54.7	109.3
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	111.7	111.7
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	115.1	115.1
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	255.1	102.0
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	288.4	115.4
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	455.9	91.2
b cal 8-1000ng.d	8	<input type="checkbox"/>	1000	763.6	76.4
b QC 1000 (QC4).d	8	<input type="checkbox"/>	1000	667.5	66.8

ISP Forensics Calibration Curve Report

P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\081518 P1 P2 SP\QuantResults\081518 MDQ
P1b.batch.bin
Last Calib Update 8/20/2018 2:39 PM **Analyst Name** ISP TOX

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

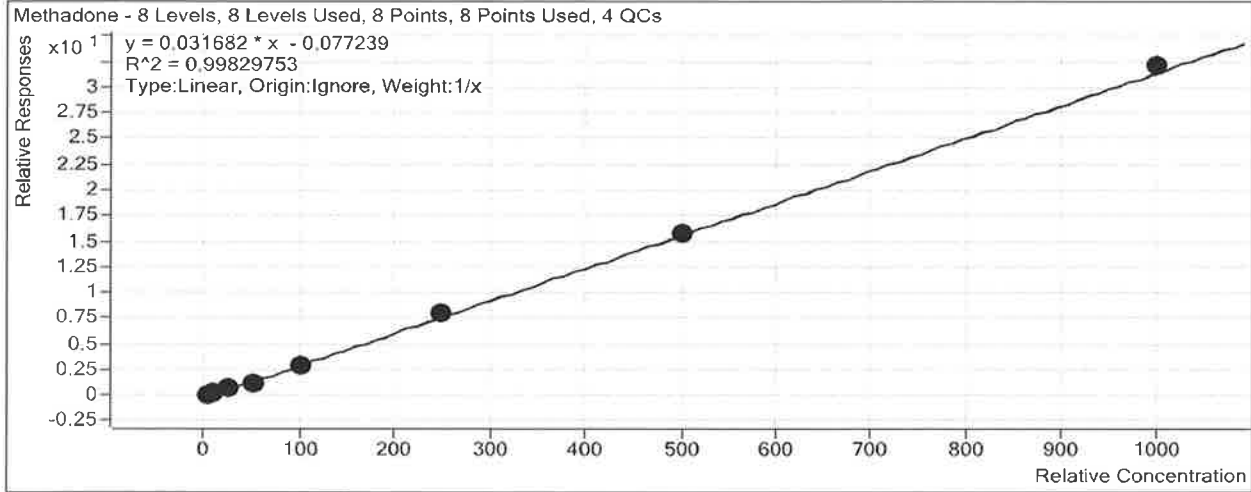


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input type="checkbox"/>	5	14.2	283.7
b cal 2-10ng.d	2	<input type="checkbox"/>	10	16.0	160.5
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	17.9	178.6
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	28.6	114.3
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	46.9	93.8
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	97.5	97.5
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	240.4	96.2
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	230.9	92.4
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	470.1	94.0
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1041.5	104.1
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	1005.4	100.5

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\081518 P1 P2 SP\QuantResults\081518 MDQ
P1b.batch.bin
Last Calib Update 8/20/2018 2:39 PM **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	6.5	129.1
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	10.3	102.8
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.5	105.1
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	42.0	84.0
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	91.2	91.2
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	97.1	97.1
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	253.4	101.4
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	498.5	99.7
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1015.5	101.6
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	967.5	96.7

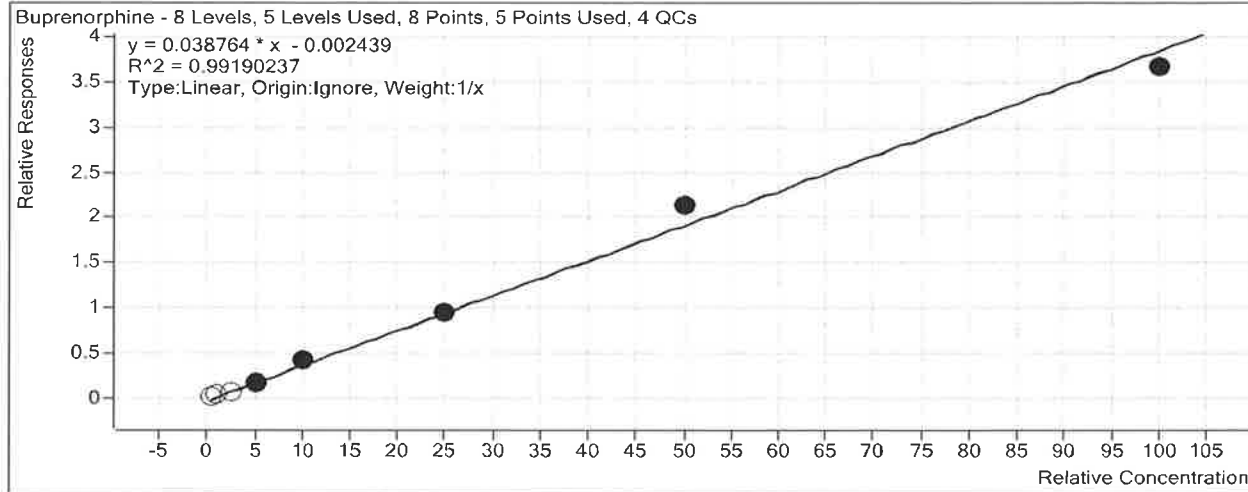
ISP Forensics Calibration Curve Report

P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\081518 P1 P2 SP\QuantResults\081518 MDQ
P1b.batch.bin

Last Calib Update 8/20/2018 2:39 PM **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	0.8	154.4
b cal 2-10ng.d	2	<input type="checkbox"/>	1	1.1	114.9
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	1	1.2	123.6
b cal 3-25ng.d	3	<input type="checkbox"/>	2.5	2.1	83.4
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	5	4.4	88.8
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	10	10.6	106.4
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	10	11.8	118.0
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	25	24.8	99.2
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	25	26.1	104.5
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	50	55.5	111.0
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	100	94.6	94.6
b QC 1000 (QC4).d	8	<input type="checkbox"/>	100	89.7	89.7

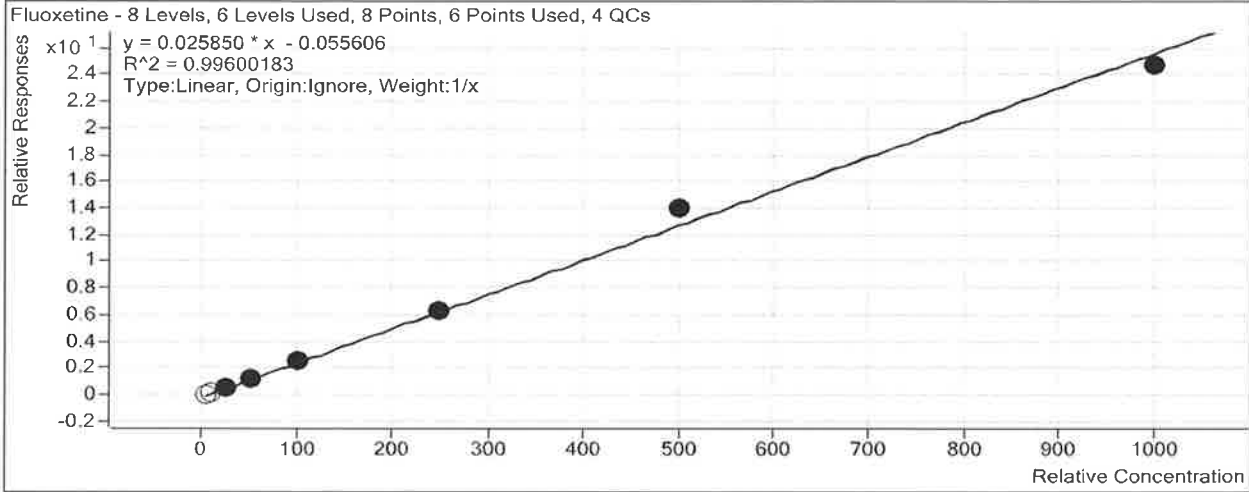
Did not evaluate due to poor peak shape. and accuracy variation. P

ISP Forensics Calibration Curve Report

D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\081518 P1 P2 SP\QuantResults\081518 MDQ
P1b.batch.bin
Last Calib Update 8/20/2018 2:39 PM **Analyst Name** ISP TOX

Target Compound Fluoxetine
Internal Standard Fluoxetine-D6

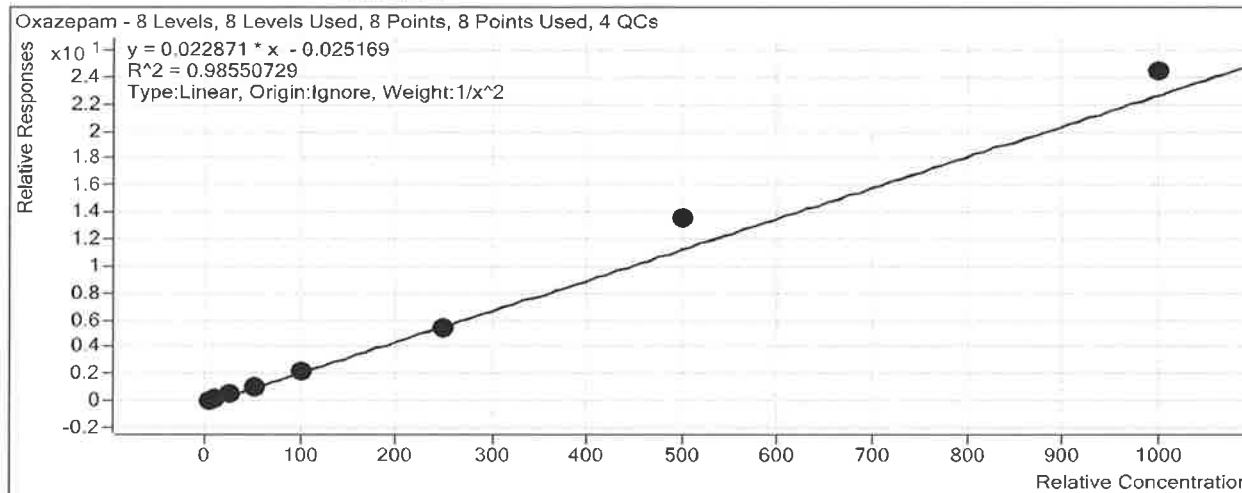


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input type="checkbox"/>	5	5.3	105.3
b cal 2-10ng.d	2	<input type="checkbox"/>	10	9.8	98.1
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.5	94.7
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	22.4	89.5
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	51.3	102.6
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	104.9	104.9
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	95.8	95.8
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	247.3	98.9
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	247.6	99.0
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	541.7	108.3
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	957.5	95.7
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	1027.2	102.7

ISP Forensics Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2018\MD Quant\081518 P1 P2 SP\QuantResults\081518 MDQ
P1b.batch.bin
Last Calib Update 8/20/2018 2:39 PM **Analyst Name** ISP TOX

Target Compound Oxazepam
Internal Standard Oxazepam-D5



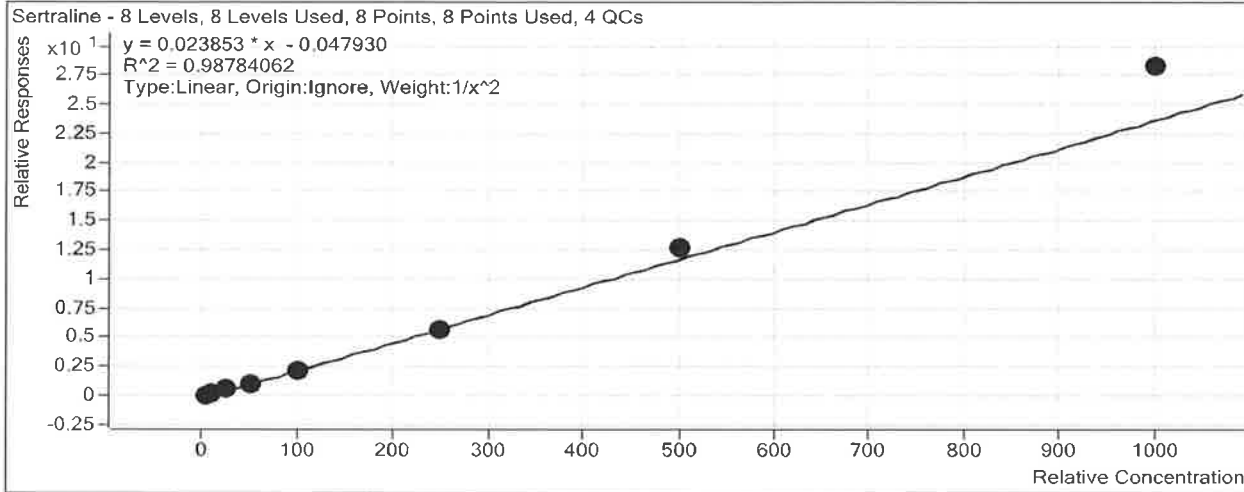
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.3	105.3
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.7	97.2
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.5	94.8
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	20.7	82.7
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	46.8	93.7
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	100.5	100.5
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	93.5	93.5
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	238.6	95.4
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	321.9	128.7
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	591.2	118.2
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1068.9	106.9
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	1088.3	108.8

ISP Forensics Calibration Curve Report

D

Batch Data Path C:\MassHunter\Data\2018\MD Quant\081518 P1 P2 SP\QuantResults\081518 MDQ
P1b.batch.bin
Last Calib Update 8/20/2018 2:39 PM **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	5.2	104.0
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	9.7	97.5
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.0	92.2
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	46.2	92.3
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	90.5	90.5
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	82.4	82.4
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	243.3	97.3
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	226.3	90.5
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	538.3	107.7
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1186.9	118.7
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	803.5	80.4

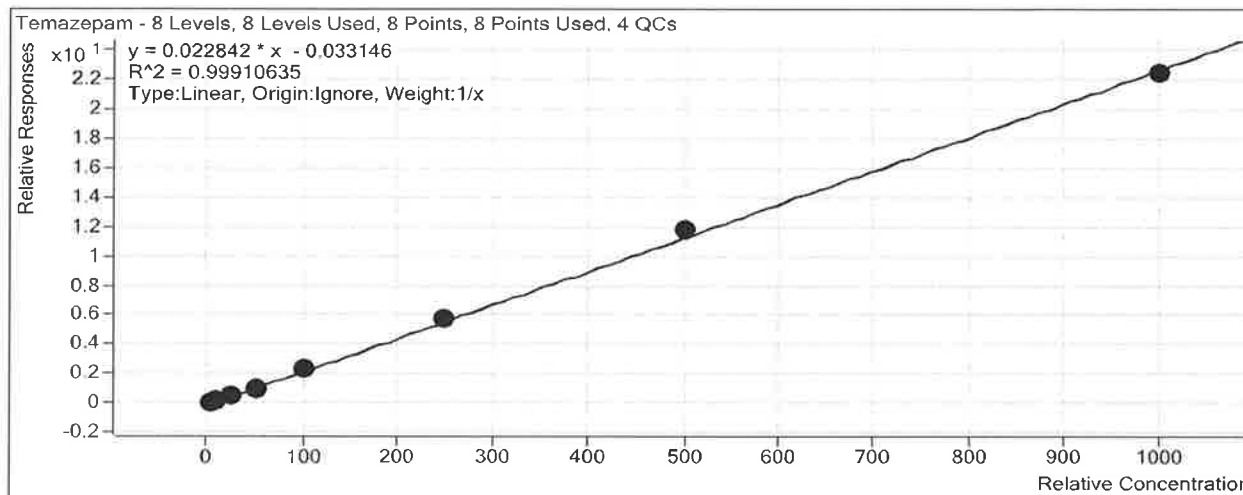
ISP Forensics Calibration Curve Report

P

Batch Data Path C:\MassHunter\Data\2018\MD Quant\081518 P1 P2 SP\QuantResults\081518 MDQ
P1b.batch.bin

Last Calib Update 8/20/2018 2:39 PM **Analyst Name** ISP TOX

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



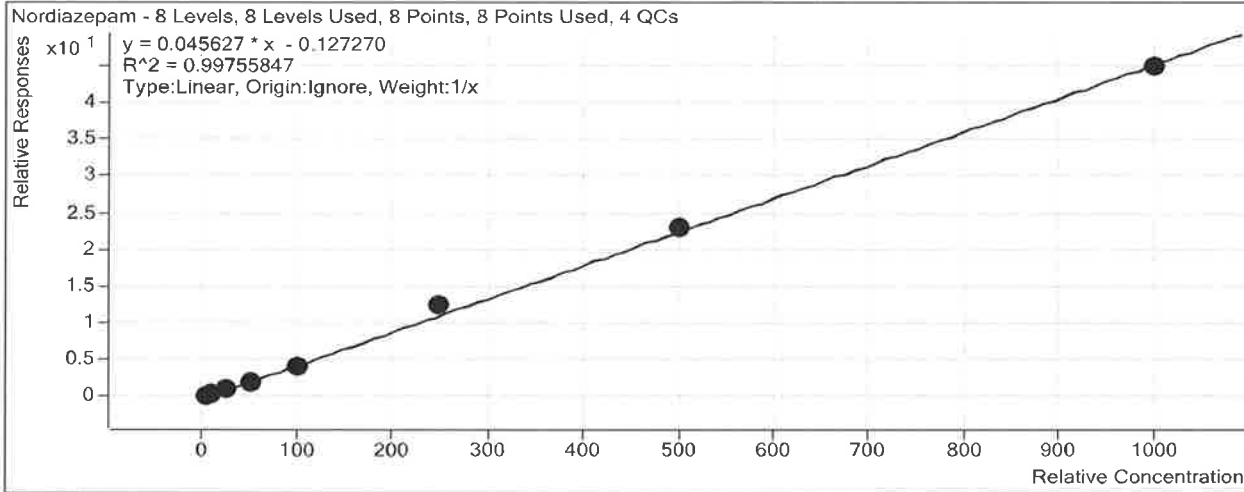
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	5.6	111.3
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.6	95.8
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	9.6	95.9
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	24.0	95.9
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	45.1	90.1
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	104.2	104.2
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	253.4	101.4
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	254.7	101.9
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	515.2	103.0
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	983.0	98.3
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	953.0	95.3

ISP Forensics Calibration Curve Report

20

Batch Data Path C:\MassHunter\Data\2018\MD Quant\081518 P1 P2 SP\QuantResults\081518 MDQ
P1b.batch.bin
Last Calib Update 8/20/2018 2:39 PM **Analyst Name** ISP TOX

Target Compound Nordiazepam
Internal Standard Nordiazepam-D5



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	<input checked="" type="checkbox"/>	5	6.2	124.7
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	9.6	96.4
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	11.3	113.5
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	22.2	88.7
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	45.7	91.5
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	89.6	89.6
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	98.1	98.1
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	272.4	109.0
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	240.6	96.2
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	506.9	101.4
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	987.3	98.7
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	1004.5	100.5

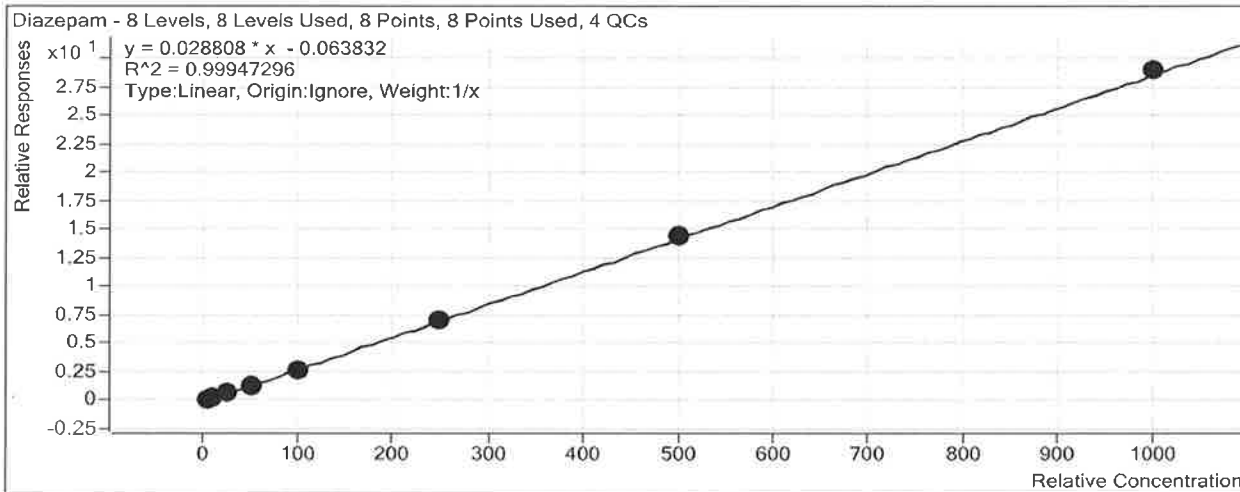
ISP Forensics Calibration Curve Report

P

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Last Calib Update 8/20/2018 2:39 PM **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	5.9	118.1
b cal 2-10ng.d	2	<input checked="" type="checkbox"/>	10	10.0	100.2
b QC 10 (QC1).d	2	<input checked="" type="checkbox"/>	10	10.6	106.3
b cal 3-25ng.d	3	<input checked="" type="checkbox"/>	25	23.5	94.1
b cal 4-50ng.d	4	<input checked="" type="checkbox"/>	50	45.6	91.2
b cal 5-100ng.d	5	<input checked="" type="checkbox"/>	100	95.5	95.5
b QC 100 (QC2).d	5	<input checked="" type="checkbox"/>	100	98.8	98.8
b cal 6-250ng.d	6	<input checked="" type="checkbox"/>	250	248.1	99.3
b QC 250 (QC 3).d	6	<input checked="" type="checkbox"/>	250	260.7	104.3
b cal 7-500ng.d	7	<input checked="" type="checkbox"/>	500	503.6	100.7
b cal 8-1000ng.d	8	<input checked="" type="checkbox"/>	1000	1007.7	100.8
b QC 1000 (QC4).d	8	<input checked="" type="checkbox"/>	1000	1057.3	105.7

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

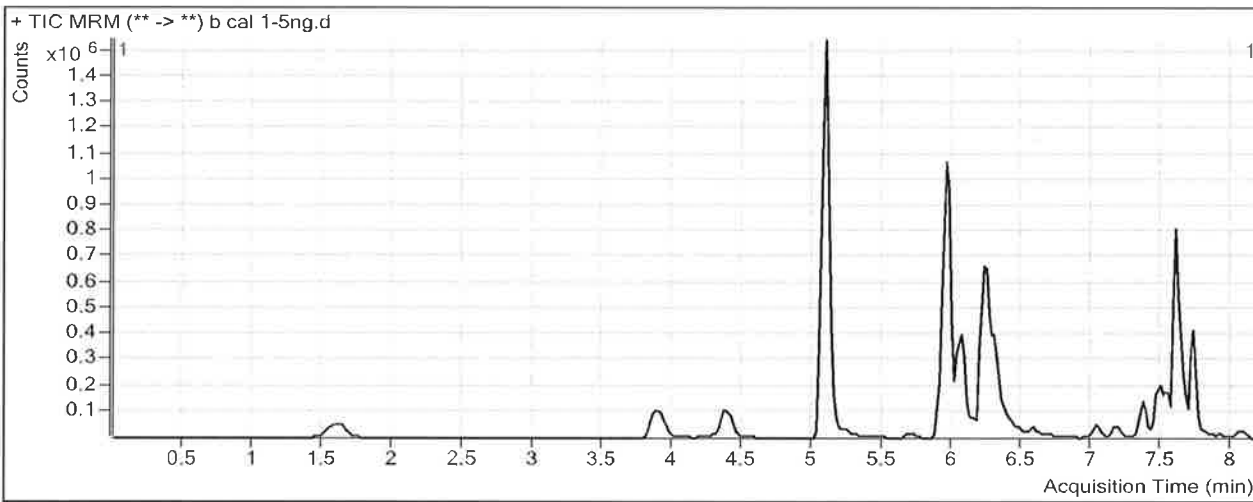
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Analysis Time 8/20/2018 2:39 PM **Analyst Name** ISPUser
Report Time 8/20/2018 3:03 PM **Reporter Name** ISPUser
Last Calib Update 8/20/2018 2:39 PM **Batch State** Processed

Analysis Info

Acq Time 2018-08-15 13:58 **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-H12 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.608	62842	484736	0.1296	6.1413
Dihydrocodeine	Dihydrocodeine-D6	3.930	55688	619133	0.0899	5.5783
Noroxycodone	Noroxycodone-D3	4.411	83905	599583	0.1399	6.3821
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.100	636594	6275545	0.1014	5.0414
Benzoylcegonine	Benzoylcegonine-d8	5.690	4653	61901	0.0752	5.5982
Ketamine	Ketamine-D4	5.962	269865	2471053	0.1092	5.1703
Norfentanyl	Norfentanyl-D5	5.984	22065	2599628	0.0085	1.1827
Cocaine	Cocaine-d3	6.212	92997	2830257	0.0329	5.9383
alpha-PVP	alpha-PVP-d8	6.328	110208	1308157	0.0842	5.1971
Mirtazapine	alpha-PVP-d8	6.583	69515	1308157	0.0531	5.3273
Fentanyl	Fentanyl-D5	7.078	1243	171356	0.0073	1.0054
EDDP	EDDP-D3	7.209	10676	149024	0.0716	4.9542
Mitragynine	EDDP-D3	7.156	8618	149024	0.0578	0.0000
Quetiapine	Quetiapine-D8	7.358	146305	295928	0.4944	5.3372
Cyclobenzaprine	Cyclobenzaprine-D3	7.453	11792	83416	0.1414	14.1868
Methadone	Methadone-D9	7.481	66061	519161	0.1272	6.4543
Buprenorphine	Buprenorphine-D4	7.496	1698	61792	0.0275	0.7719
Fluoxetine	Fluoxetine-D6	7.541	22131	274720	0.0806	5.2675
Oxazepam	Oxazepam-D5	7.549	16323	171349	0.0953	5.2658

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report *b cal I*

P

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.583	9613	126310	0.0761	5.1998
Temazepam	Temazepam-D5	7.604	200653	2134348	0.0940	5.5668
Nordiazepam	Nordiazepam-D5	7.675	43284	275488	0.1571	6.2329
Diazepam	Diazepam-D5	7.732	104822	985887	0.1063	5.9065

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

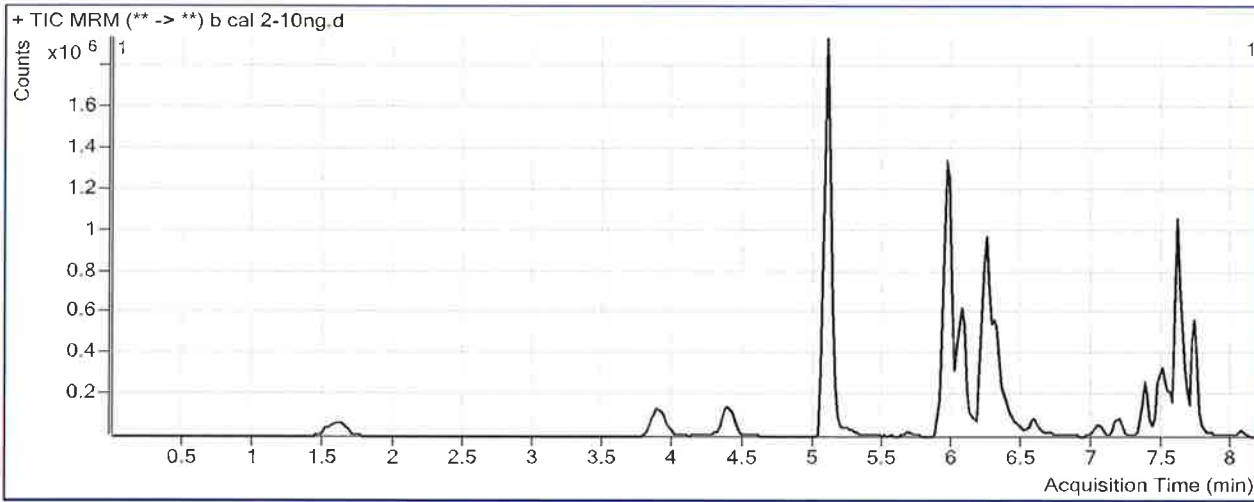
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Report Time 8/20/2018 3:03 PM **Reporter Name** ISPUser
Last Calib Update 8/20/2018 2:39 PM **Batch State** Processed

Analysis Info

Acq Time 2018-08-15 14:29 **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-G12 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.628	139861	527403	0.2652	10.0424
Dihydrocodeine	Dihydrocodeine-D6	3.930	116759	689871	0.1692	9.2502
Noroxycodone	Noroxycodone-D3	4.411	184705	693665	0.2663	9.6602
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.100	1435415	7006527	0.2049	9.7218
Benzoylcegonine	Benzoylcegonine-d8	5.711	11127	63144	0.1762	10.4289
Ketamine	Ketamine-D4	5.962	624313	2842868	0.2196	9.4683
Norfentanyl	Norfentanyl-D5	6.004	52615	3229119	0.0163	1.5166
Cocaine	Cocaine-d3	6.232	234486	3387610	0.0692	9.9812
alpha-PVP	alpha-PVP-d8	6.328	298790	1787708	0.1671	9.4118
Mirtazapine	alpha-PVP-d8	6.583	176965	1787708	0.0990	8.9353
Fentanyl	Fentanyl-D5	7.017	3797	211322	0.0180	1.5940
EDDP	EDDP-D3	7.169	50074	232587	0.2153	10.8385
Mitragynine	EDDP-D3	7.136	24058	232587	0.1034	0.0000
Quetiapine	Quetiapine-D8	7.358	355914	409283	0.8696	8.6582
Cyclobenzaprine	Cyclobenzaprine-D3	7.453	22039	110550	0.1994	16.0475
Methadone	Methadone-D9	7.481	187770	755513	0.2485	10.2826
Buprenorphine	Buprenorphine-D4	7.476	4269	101360	0.0421	1.1495
Fluoxetine	Fluoxetine-D6	7.541	56288	284285	0.1980	9.8107
Oxazepam	Oxazepam-D5	7.549	41252	209142	0.1972	9.7248

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Multi-Drug Confirmatory Analysis Report bca12

P

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.583	21090	114371	0.1844	9.7399
Temazepam	Temazepam-D5	7.604	469250	2527794	0.1856	9.5780
Nordiazepam	Nordiazepam-D5	7.675	104653	334761	0.3126	9.6410
Diazepam	Diazepam-D5	7.732	257950	1146875	0.2249	10.0232

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

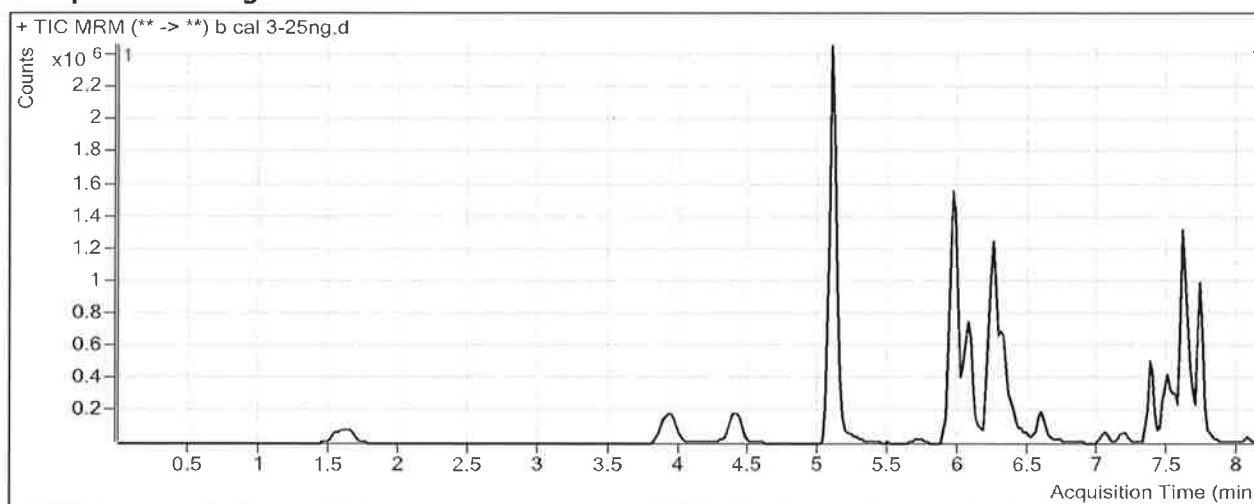
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Report Time 8/20/2018 3:03 PM **Reporter Name** ISPUser
Last Calib Update 8/20/2018 2:39 PM **Batch State** Processed

Analysis Info

Acq Time 2018-08-15 15:01 **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-F12 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.608	363476	507060	0.7168	23.0410
Dihydrocodeine	Dihydrocodeine-D6	3.930	327159	684379	0.4780	23.5477
Noroxycodone	Noroxycodone-D3	4.411	498397	658984	0.7563	22.3755
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.100	3736001	6794677	0.5498	25.3329
Benzoylcegonine	Benzoylcegonine-d8	5.731	26020	63089	0.4124	21.7221
Ketamine	Ketamine-D4	5.962	1659270	2812635	0.5899	23.8862
Norfentanyl	Norfentanyl-D5	6.004	148343	3070144	0.0483	2.8866
Cocaine	Cocaine-d3	6.232	602574	3159274	0.1907	23.4922
alpha-PVP	alpha-PVP-d8	6.328	711272	1545948	0.4601	24.3076
Mirtazapine	alpha-PVP-d8	6.583	451828	1545948	0.2923	24.1442
Fentanyl	Fentanyl-D5	7.057	8092	230068	0.0352	2.5393
EDDP	EDDP-D3	7.189	56922	117502	0.4844	21.8630
Mitragynine	EDDP-D3	7.136	43786	117502	0.3726	23.5051
Quetiapine	Quetiapine-D8	7.379	967751	386513	2.5038	23.1221
Cyclobenzaprine	Cyclobenzaprine-D3	7.453	53858	91304	0.5899	28.5777
Methadone	Methadone-D9	7.481	416220	652685	0.6377	22.5663
Buprenorphine	Buprenorphine-D4	7.476	6335	80831	0.0784	2.0847
Fluoxetine	Fluoxetine-D6	7.521	165252	315914	0.5231	22.3869
Oxazepam	Oxazepam-D5	7.569	81110	181146	0.4478	20.6784

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Multi-Drug Confirmatory Analysis Report b cal 3

P

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.583	69770	139056	0.5017	23.0435
Temazepam	Temazepam-D5	7.604	1203979	2340816	0.5143	23.9684
Nordiazepam	Nordiazepam-D5	7.675	298725	337531	0.8850	22.1864
Diazepam	Diazepam-D5	7.732	730214	1188915	0.6142	23.5357

ISP FORENSICS - Pocatello Instrument # 59740

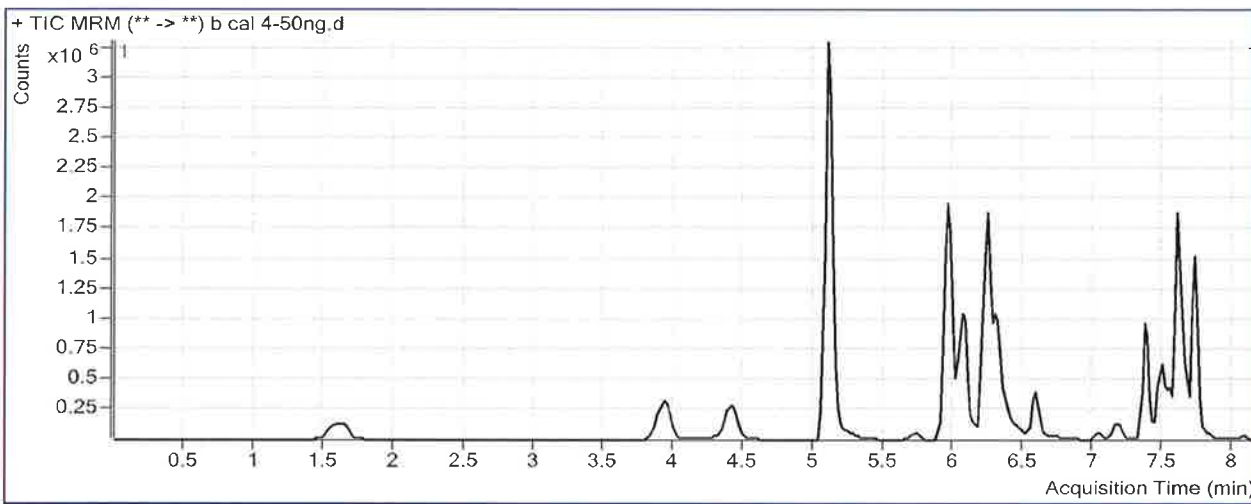
Multi-Drug Confirmatory Analysis Report

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Report Time 8/20/2018 3:03 PM **Reporter Name** ISPUser
Last Calib Update 8/20/2018 2:39 PM **Batch State** Processed

Analysis Info

Acq Time 2018-08-15 15:32 **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-E12 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.628	745513	511933	1.4563	44.3226
Dihydrocodeine	Dihydrocodeine-D6	3.950	652983	665516	0.9812	46.8436
Noroxycodone	Noroxycodone-D3	4.431	1030909	629963	1.6365	45.2133
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.100	7438931	6818025	1.0911	49.8250
Benzoylcegonine	Benzoylcegonine-d8	5.731	55357	62119	0.8911	44.6083
Ketamine	Ketamine-D4	5.962	3369078	2819829	1.1948	47.4347
Norfentanyl	Norfentanyl-D5	6.004	258752	2912984	0.0888	4.6195
Cocaine	Cocaine-d3	6.232	1256760	3349072	0.3753	44.0094
alpha-PVP	alpha-PVP-d8	6.328	1431885	1589258	0.9010	46.7256
Mirtazapine	alpha-PVP-d8	6.583	894933	1589258	0.5631	45.4571
Norbuprenorphine	Norbuprenorphine-D3	6.974	514	10051	0.0512	5.9599
Fentanyl	Fentanyl-D5	7.057	14919	193128	0.0772	4.8511
EDDP	EDDP-D3	7.189	191693	172329	1.1124	47.5840
Mitragynine	EDDP-D3	7.136	109811	172329	0.6372	48.5368
Quetiapine	Quetiapine-D8	7.358	2183260	359882	6.0666	54.6557
Cyclobenzaprine	Cyclobenzaprine-D3	7.453	118287	101825	1.1617	46.9245
Methadone	Methadone-D9	7.481	833322	664611	1.2538	42.0141
Buprenorphine	Buprenorphine-D4	7.476	13587	80052	0.1697	4.4412
Fluoxetine	Fluoxetine-D6	7.541	326093	256724	1.2702	51.2891

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Multi-Drug Confirmatory Analysis Report bcal 4

P

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxazepam	Oxazepam-D5	7.549	206510	197389	1.0462	46.8450
Sertraline	Sertraline-D3	7.583	115762	109943	1.0529	46.1507
Temazepam	Temazepam-D5	7.604	2352834	2362030	0.9961	45.0596
Nordiazepam	Nordiazepam-D5	7.675	629343	321080	1.9601	45.7482
Diazepam	Diazepam-D5	7.732	1458798	1166617	1.2505	45.6221

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

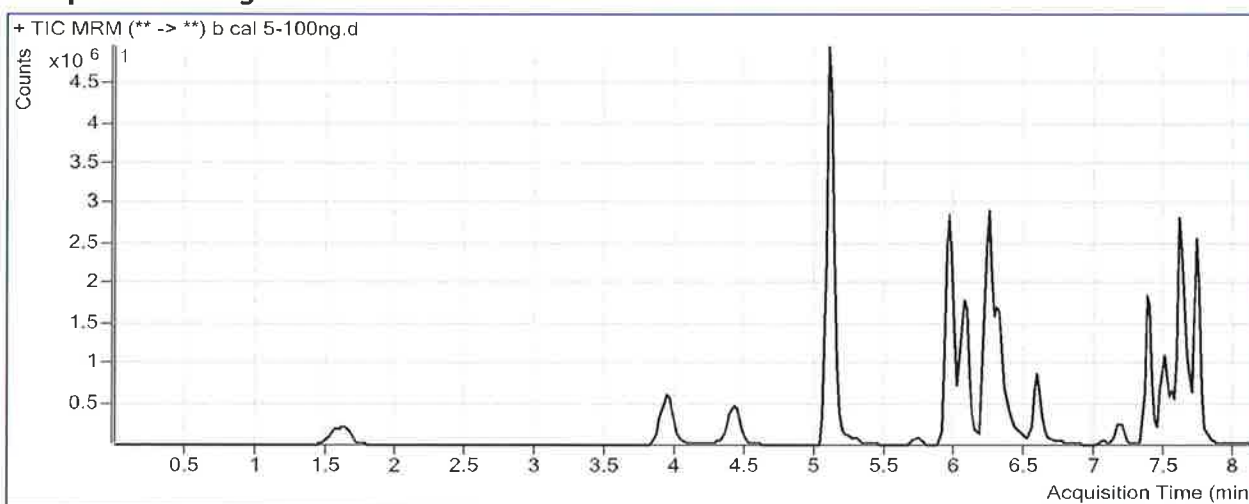
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Analysis Time 8/20/2018 2:39 PM **Analyst Name** ISPUser
Report Time 8/20/2018 3:04 PM **Reporter Name** ISPUser
Last Calib Update 8/20/2018 2:39 PM **Batch State** Processed

Analysis Info

Acq Time 2018-08-15 16:04 **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-D12 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.608	1535349	477025	3.2186	95.0433
Dihydrocodeine	Dihydrocodeine-D6	3.950	1437431	632754	2.2717	106.5978
Noroxycodone	Noroxycodone-D3	4.431	2119889	578528	3.6643	97.8306
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.100	14932106	6299574	2.3703	107.7158
Benzoylcegonine	Benzoylcegonine-d8	5.731	110383	49956	2.2096	107.6425
Ketamine	Ketamine-D4	5.962	7154923	2532214	2.8256	110.9256
Norfentanyl	Norfentanyl-D5	6.004	596449	2815111	0.2119	9.8833
Cocaine	Cocaine-d3	6.232	2619944	3006112	0.8715	99.1910
alpha-PVP	alpha-PVP-d8	6.328	3099240	1555883	1.9919	102.1987
Mirtazapine	alpha-PVP-d8	6.583	2021339	1555883	1.2992	103.3763
Norbuprenorphine	Norbuprenorphine-D3	6.974	865	9473	0.0913	7.7644
Fentanyl	Fentanyl-D5	7.057	29964	174113	0.1721	10.0626
EDDP	EDDP-D3	7.189	432075	198720	2.1743	91.0820
Mitragynine	EDDP-D3	7.136	252793	198720	1.2721	108.6049
Quetiapine	Quetiapine-D8	7.358	4567004	365156	12.5070	111.6583
Cyclobenzaprine	Cyclobenzaprine-D3	7.453	213938	78140	2.7379	97.4994
Methadone	Methadone-D9	7.481	1733006	616571	2.8107	91.1547
Buprenorphine	Buprenorphine-D4	7.496	31795	77572	0.4099	10.6364
Fluoxetine	Fluoxetine-D6	7.541	502317	189186	2.6552	104.8658

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Multi-Drug Confirmatory Analysis Report *bcal 5*

P

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxazepam	Oxazepam-D5	7.569	420561	185082	2.2723	100.4549
Sertraline	Sertraline-D3	7.583	182314	86395	2.1102	90.4759
Temazepam	Temazepam-D5	7.604	4981511	2122949	2.3465	104.1787
Nordiazepam	Nordiazepam-D5	7.675	1159705	292693	3.9622	89.6281
Diazepam	Diazepam-D5	7.732	2859424	1063890	2.6877	95.5128

ISP FORENSICS - Pocatello Instrument # 59740

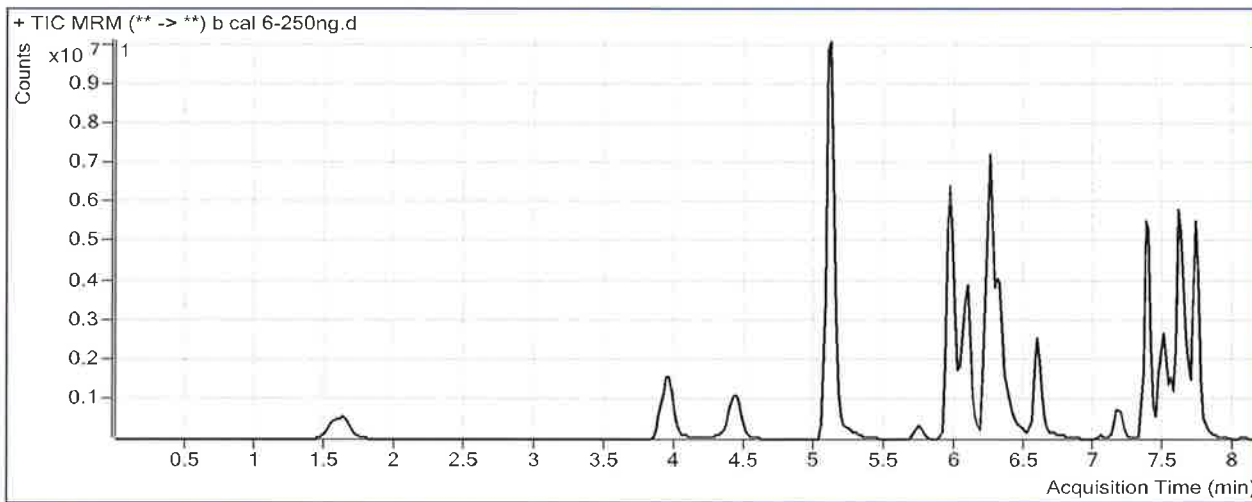
Multi-Drug Confirmatory Analysis Report

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Analysis Time 8/20/2018 2:39 PM **Analyst Name** ISPUser
Report Time 8/20/2018 3:04 PM **Reporter Name** ISPUser
Last Calib Update 8/20/2018 2:39 PM **Batch State** Processed

Analysis Info

Acq Time 2018-08-15 16:35 **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-C12 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.628	4211834	496062	8.4905	246.7737
Dihydrocodeine	Dihydrocodeine-D6	3.950	3927505	727310	5.4000	251.4457
Noroxycodone	Noroxycodone-D3	4.431	5601249	607276	9.2236	242.0813
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.120	38812710	6938991	5.5934	253.5704
Benzoylcegonine	Benzoylcegonine-d8	5.731	421213	58491	7.2013	346.2866
Ketamine	Ketamine-D4	5.962	19852307	2944432	6.7423	263.4165
Norfentanyl	Norfentanyl-D5	6.004	1665063	3161986	0.5266	23.3465
Cocaine	Cocaine-d3	6.232	7413244	3284574	2.2570	253.2386
alpha-PVP	alpha-PVP-d8	6.328	8459510	1679985	5.0355	256.9535
Mirtazapine	alpha-PVP-d8	6.583	5680530	1679985	3.3813	267.2193
Norbuprenorphine	Norbuprenorphine-D3	6.974	4620	9066	0.5095	26.5482
Fentanyl	Fentanyl-D5	7.037	84420	195338	0.4322	24.3524
EDDP	EDDP-D3	7.189	1382693	222827	6.2052	256.1955
Mitragynine	EDDP-D3	7.136	602821	222827	2.7053	244.2052
Quetiapine	Quetiapine-D8	7.358	13863821	482875	28.7110	255.0770
Cyclobenzaprine	Cyclobenzaprine-D3	7.453	614373	85416	7.1927	240.4390
Methadone	Methadone-D9	7.481	5193666	653104	7.9523	253.4417
Buprenorphine	Buprenorphine-D4	7.476	73083	76228	0.9587	24.7953
Fluoxetine	Fluoxetine-D6	7.541	1262448	199199	6.3376	247.3224

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report *bcg 6*

P

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxazepam	Oxazepam-D5	7.549	1108866	204128	5.4322	238.6206
Sertraline	Sertraline-D3	7.603	452424	78615	5.7549	243.2715
Temazepam	Temazepam-D5	7.604	12434634	2160413	5.7557	253.4286
Nordiazepam	Nordiazepam-D5	7.675	3169935	257690	12.3014	272.3964
Diazepam	Diazepam-D5	7.732	7102190	1002509	7.0844	248.1338

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report

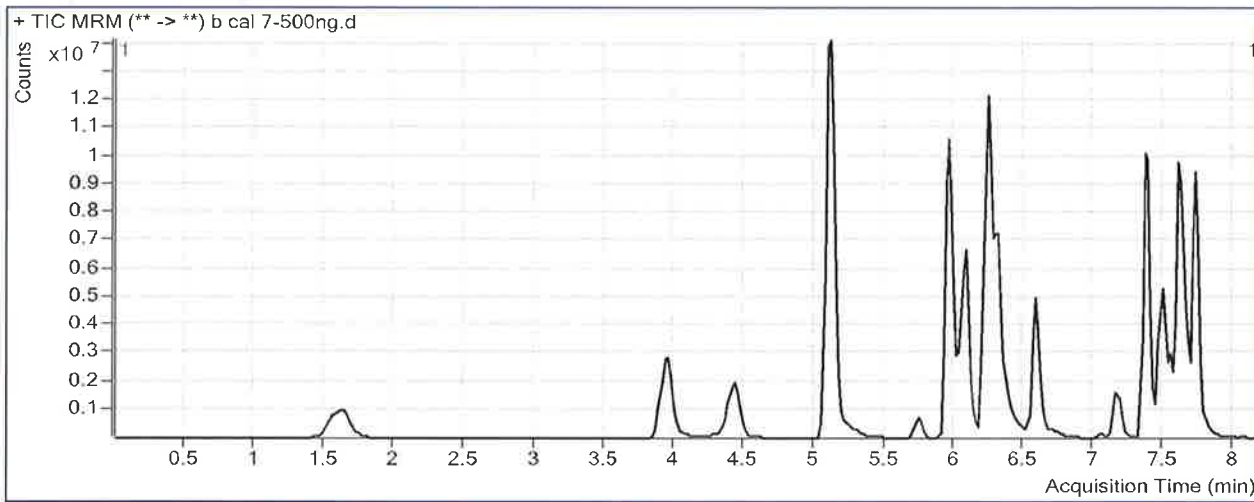
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Batch Data Path	C:\MassHunter\Data\2018\MD Quant\081518 P1 P2 SP\QuantResults\081518 MDQ P1b.batch.bin		
Analysis Time	8/20/2018 2:39 PM	Analyst Name	ISPUser
Report Time	8/20/2018 3:04 PM	Reporter Name	ISPUser
Last Calib Update	8/20/2018 2:39 PM	Batch State	Processed

Analysis Info

Acq Time	2018-08-15 17:07	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-B12	Sample Info	
Inj Vol	-1	Comment	AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxycodone	Oxycodone-D3	1.628	7972091	454491	17.5407	507.2440
Dihydrocodeine	Dihydrocodeine-D6	3.950	7246393	657075	11.0283	512.0422
Noroxycodone	Noroxycodone-D3	4.431	9878679	520528	18.9782	495.1913
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.120	62962263	6211598	10.1362	459.1468
Benzoylcegonine	Benzoylcegonine-d8	5.731	958989	56545	16.9597	812.8174
Ketamine	Ketamine-D4	5.962	36214518	2676647	13.5298	527.6730
Norfentanyl	Norfentanyl-D5	6.004	3096683	2798152	1.1067	48.1625
Cocaine	Cocaine-d3	6.232	13476065	3102019	4.3443	485.3248
alpha-PVP	alpha-PVP-d8	6.328	16252430	1618243	10.0433	511.5862
Mirtazapine	alpha-PVP-d8	6.583	10911314	1618243	6.7427	531.7266
Norbuprenorphine	Norbuprenorphine-D3	6.994	9213	9496	0.9702	47.2383
Fentanyl	Fentanyl-D5	7.057	165740	189507	0.8746	48.6604
EDDP	EDDP-D3	7.189	3063791	237618	12.8937	530.1677
Mitragynine	EDDP-D3	7.136	1350669	237618	5.6842	526.0418
Quetiapine	Quetiapine-D8	7.358	24418436	475037	51.4033	455.9218
Cyclobenzaprine	Cyclobenzaprine-D3	7.453	1337866	93231	14.3500	470.0918
Methadone	Methadone-D9	7.481	10666683	678645	15.7176	498.5453
Buprenorphine	Buprenorphine-D4	7.476	138206	64308	2.1491	55.5036
Fluoxetine	Fluoxetine-D6	7.521	2680565	192208	13.9461	541.6575

D

bcal 7

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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxazepam	Oxazepam-D5	7.549	2133891	158119	13.4954	591.1790
Sertraline	Sertraline-D3	7.583	989892	77384	12.7920	538.2843
Temazepam	Temazepam-D5	7.604	22470100	1914840	11.7347	515.1849
Nordiazepam	Nordiazepam-D5	7.675	5675234	246756	22.9994	506.8634
Diazepam	Diazepam-D5	7.732	12856198	890109	14.4434	503.5825

ISP FORENSICS - Pocatello Instrument # 59740

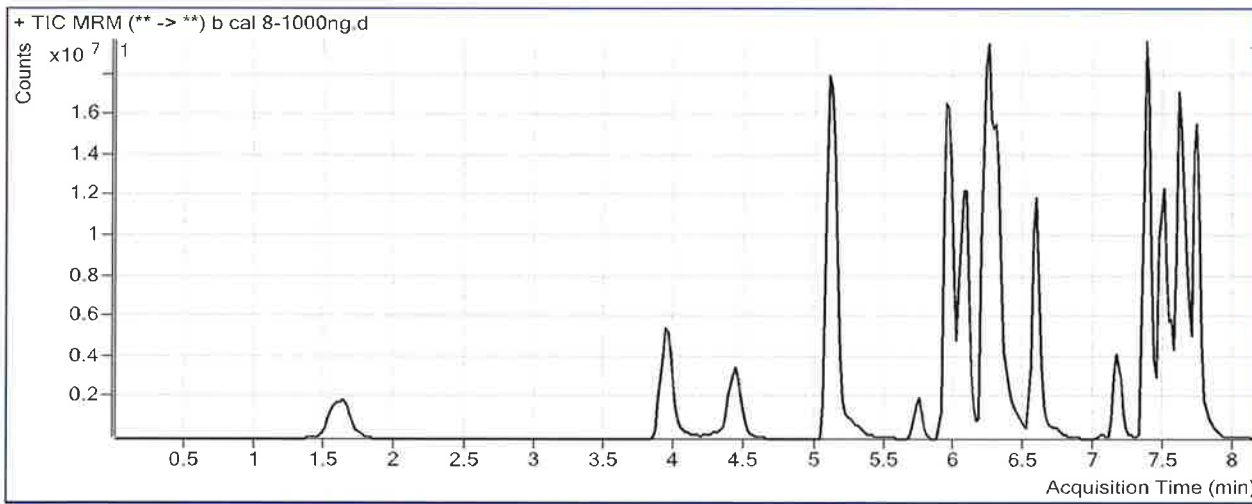
Multi-Drug Confirmatory Analysis Report

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Analysis Time 8/20/2018 2:39 PM **Analyst Name** ISPUser
Report Time 8/20/2018 3:04 PM **Reporter Name** ISPUser
Last Calib Update 8/20/2018 2:39 PM **Batch State** Processed

Analysis Info

Acq Time 2018-08-15 17:38 **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-A12 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.628	15962300	457129	34.9186	1007.3917
Dihydrocodeine	Dihydrocodeine-D6	3.950	14198552	668597	21.2363	984.6945
Noroxycodone	Noroxycodone-D3	4.431	18285705	465847	39.2526	1021.2657
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.100	95398829	6048219	15.7730	714.2295
Benzoylcegonine	Benzoylcegonine-d8	5.731	2553111	58170	43.8903	2100.3212
Ketamine	Ketamine-D4	5.942	62984618	2737450	23.0085	896.7060
Norfentanyl	Norfentanyl-D5	6.004	6811150	2834871	2.4026	103.6016
Cocaine	Cocaine-d3	6.232	27570042	3015627	9.1424	1018.8245
alpha-PVP	alpha-PVP-d8	6.308	34915540	1709207	20.4279	1039.6189
Mirtazapine	alpha-PVP-d8	6.583	27463383	1709207	16.0679	1265.5260
Norbuprenorphine	Norbuprenorphine-D3	6.974	15907	7229	2.2003	102.4893
Fentanyl	Fentanyl-D5	7.037	437802	228138	1.9190	106.0466
EDDP	EDDP-D3	7.169	7854049	292163	26.8824	1103.1665
Mitragynine	EDDP-D3	7.136	3044336	292163	10.4200	974.1062
Quetiapine	Quetiapine-D8	7.358	50577962	587015	86.1613	763.5586
Cyclobenzaprine	Cyclobenzaprine-D3	7.453	3198913	99477	32.1573	1041.4675
Methadone	Methadone-D9	7.481	25165396	784041	32.0970	1015.5409
Buprenorphine	Buprenorphine-D4	7.476	301365	82215	3.6656	94.6235
Fluoxetine	Fluoxetine-D6	7.521	5259123	212963	24.6950	957.4783

ISP FORENSICS - Pocatello Instrument # 59740

Multi-Drug Confirmatory Analysis Report *b cal 8*

P

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxazepam	Oxazepam-D5	7.549	4814254	197128	24.4220	1068.9354
Sertraline	Sertraline-D3	7.583	1952752	69091	28.2633	1186.8828
Temazepam	Temazepam-D5	7.604	40744835	1817234	22.4213	983.0349
Nordiazepam	Nordiazepam-D5	7.675	10980281	244439	44.9204	987.3035
Diazepam	Diazepam-D5	7.732	23649056	816455	28.9655	1007.6833