TS

2/22/2019

Worklist: 2976

LAB_CASE	ITEM	TASK_ID	DESCRIPTION	
M2019-0518	4	142568	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	‖‖‖ ‖‖‖
M2019-0520	2	142569	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	‖‖‖ ‖‖‖
P2019-0331	1	142570	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	‖‖‖ ‖‖‖
P2019-0347	1	142571	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	‖‖‖ ‖‖‖
P2019-0348	1	142572	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	‖‖‖ ‖‖‖
P2019-0388	2	142573	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	‖‖‖ ‖‖‖
P2019-0393	1	142574	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	‖‖‖ ‖‖‖
P2019-0401	1	142575	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	‖‖‖ ‖‖‖
P2019-0420	1	142576	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	‖‖‖ ‖‖‖
P2019-0421	1	142577	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	‖‖‖ ‖‖‖
P2019-0425	1	142578	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	‖‖‖ ‖‖‖
P2019-0431	2	142579	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	‖‖‖ ‖‖‖
P2019-0445	1	142580	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	‖‖‖ ‖‖‖
P2019-0446	1	142581	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	‖‖‖ ‖‖‖
P2019-0447	1	142582	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	‖‖‖ ‖‖‖
P2019-0448	1	142583	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	‖‖‖ ‖‖‖
P2019-0449	1	142584	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	‖‖‖ ‖‖‖
P2019-0452	1	142585	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	‖‖‖ ‖‖‖
P2019-0455	1	142586	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(	‖‖‖ ‖‖‖

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

TS

Extraction Date: 02/25/19 Analyst: Tamara Salazar
Plate lot#: 0530563 Plate Expiration: 05/21/19

Mobile phase A: 5mM Amm Form + 0.01% FA   **Mobile phase B**: 0.01% Formic Acid in MeOH
  0.5M Ammonium Hydroxide   Ethyl Acetate   20% Methanol in Water
Blank Blood Lot: Hemostat 445283-1   **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: 16** in wells of analytical (standards) plate.
☒ 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. *Shaker ID: 067105*
☒ 4. Pipette **250µL 00.5M ammonium hydroxide** in wells of analytical plate.
☒ 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
☒ 6. Transfer **300µL of blood+base** mixture to corresponding wells of SLE+ plate.
☒ 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent). **(Load at 85-100 PSI- Selector to the right)** *Manifold ID: 067104*
☒ 8. Wait 5 minutes.
☒ 9. Add **900uL ethyl acetate.**
☒ 10. Wait 5 minutes.
☒ 11. Apply positive pressure for approx. 15 seconds. **(10-15 PSI- Selector to the left).**
☒ 12. Add **900uL ethyl acetate.**
☒ 13. Wait 5 minutes.
☒ 14. Apply positive pressure for approx. 15 seconds. **(10-15 PSI- Selector to the left).**
☒ 15. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C. *SPE Dry ID: 067103*
☒ 16. Reconstitute in **100µL 20% MeOH** and heat seal plate with foil. Place in autosampler and run worklist.

Post-Analytic
☒ 1. Create batch and process data.
  Worklist path: *022519 MDQ P1 P2 TS*
  Batch Name: *P1a wklst 2976, P1bwklst 2976*
☒ 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: ***Not Evaluated:*** *Codeine, Dihydrocodeine*
Curve Range Limited: *6-mam 2.5-100, Norhydrocodone 25-1000, Bezoylecgonine 5-100, Buprenorphine 1-100,*
  Fentanyl 1-100, Mirtazapine 25-1000, Norbuprenorphine 5-100, Sertraline 5-500

Idaho State Police
Forensic Services

AM #28 Blood Multi-Drug Confirmatory Analysis by LCMS-QQQ---Panel 1

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

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

Blood External Control Solution (Lot: WS121218)
50 ul of methanol external control solution was added to 9950 ul of blood.
Approximately 50ng/mL of each compound.

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

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

Batch Data Path	C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1a wklst 2976.batch.bin		
Analysis Time	2/28/2019 9:06 AM	**Analyst Name**	datastor
Report Time	2/28/2019 9:11 AM	**Reporter Name**	datastor
Last Calib Update	2/28/2019 9:06 AM	**Batch State**	Processed

Analysis Info

Acq Time	2019-02-26 02:12	**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

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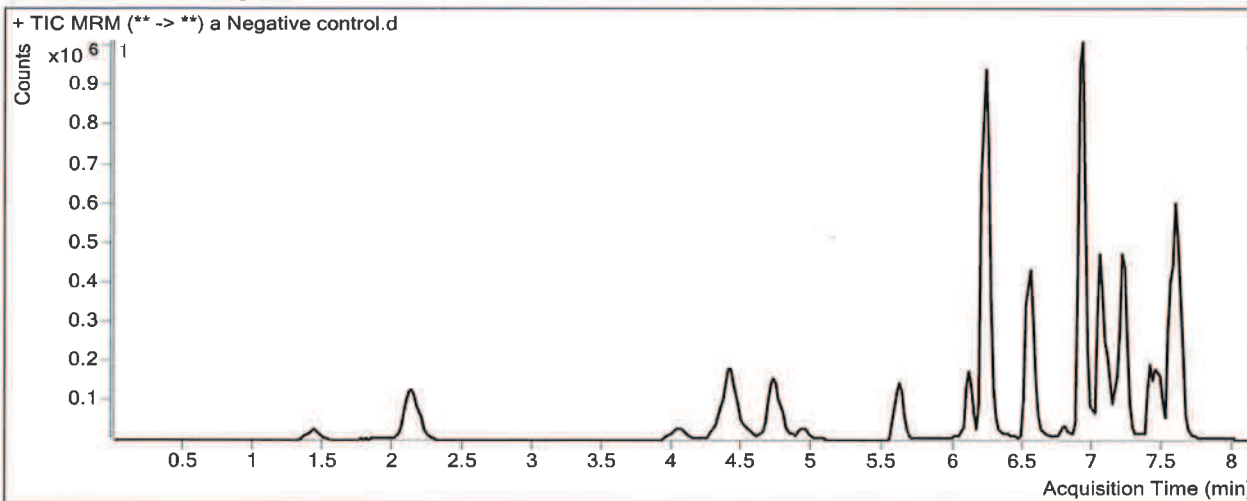
Results

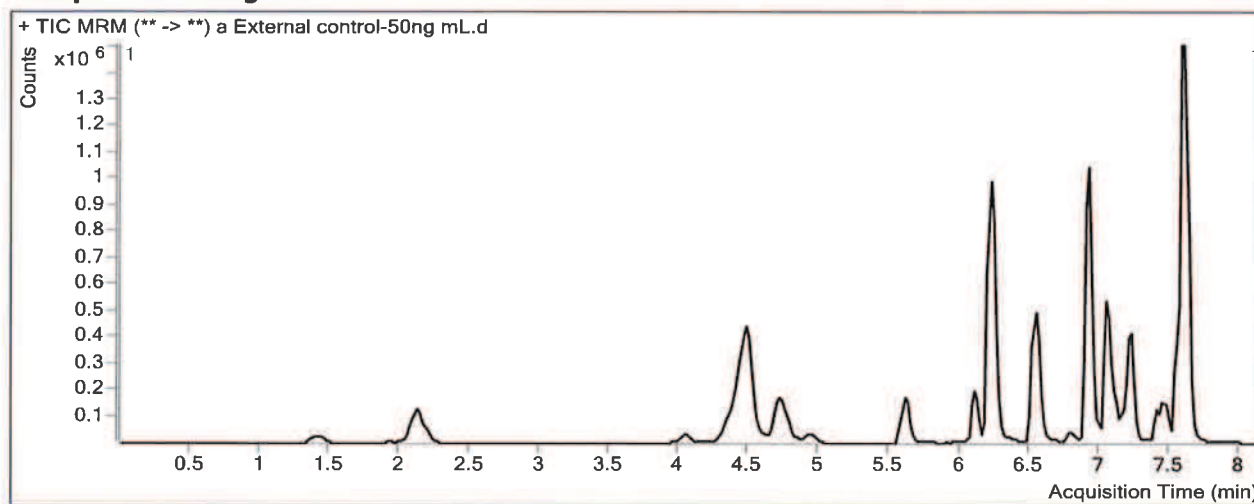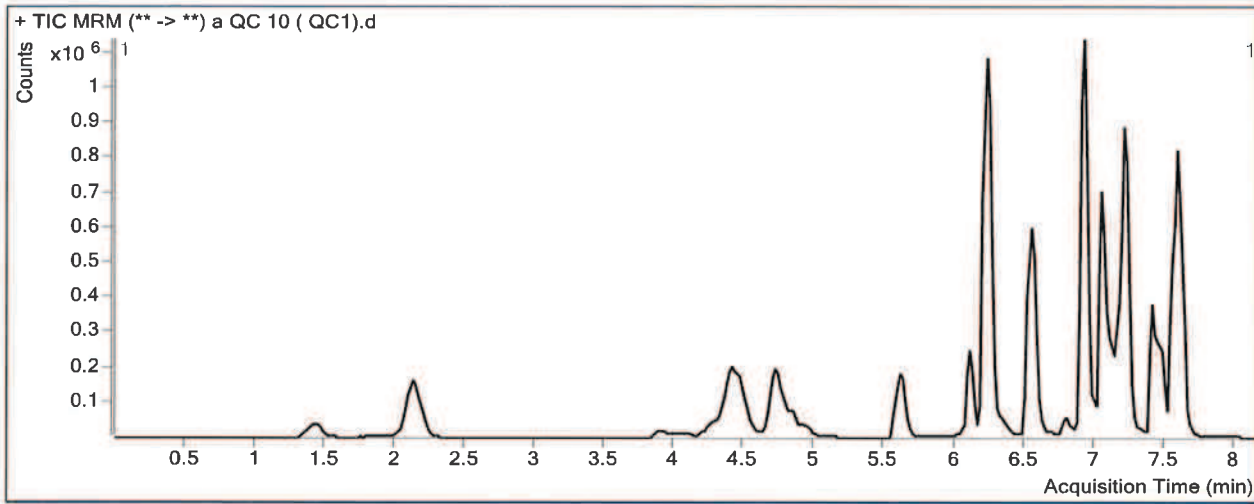| Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc	
Dextromethorphan	Dextromethorphan-D3	7.214	14664	150940	0.0971	3.6708	<5 TS

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

Batch Data Path   C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1a wklst 2976.batch.bin

Analysis Time	2/28/2019 9:06 AM	**Analyst Name**	datastor
Report Time	2/28/2019 9:12 AM	**Reporter Name**	datastor
Last Calib Update	2/28/2019 9:06 AM	**Batch State**	Processed

Analysis Info

Acq Time	2019-02-26 02:44	**Data File**	a External control-50ng mL.d
Sample Type	Sample	**Sample Name**	a External control-50ng mL.d
Dilution	1	**Acq Method**	MD Quant Panel 1a 7-11-18.m
Position	P1-C11	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28; WS121218 50 ng Fluoxetine, O-desmethyl Tramadol, Amphetamii

Sample Chromatogram

+ TIC MRM (** -> **) a External control-50ng mL.d

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Amphetamine	Amphetamine-D11	4.487	794780	447136	1.7775	54.2816
Alprazolam	Alprazolam-D5	7.612	2312421	1567774	1.4750	45.7901

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

Batch Data Path	C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1a wklst 2976.batch.bin		
Analysis Time	2/28/2019 9:06 AM	**Analyst Name**	datastor
Report Time	2/28/2019 9:12 AM	**Reporter Name**	datastor
Last Calib Update	2/28/2019 9:06 AM	**Batch State**	Processed

Analysis Info

Acq Time	2019-02-26 03:47	**Data File**	a QC 10 (QC1).d
Sample Type	QC	**Sample Name**	a QC 10 (QC1).d
Dilution	1	**Acq Method**	MD Quant Panel 1a 7-11-18.m
Position	P1-H11	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28

Sample Chromatogram

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

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc	
Morphine	Morphine-D6	1.430	47494	96904	0.4901	9.8803	
Hydromorphone	Hydromorphone-D6	2.152	175798	730909	0.2405	9.7814	
Codeine	Codeine-D6	3.938	12039	46373	0.2596	2.2744	*Not evaluated. TS*
Oxycodone	Oxycodone-D6	4.453	223389	782759	0.2854	11.1562	
Amphetamine	Amphetamine-D11	4.487	160291	456438	0.3512	10.5295	
Hydrocodone	Hydrocodone-D6	4.738	69596	441705	0.1576	9.6349	
Norhydrocodone	Norhydrocodone-D3	4.781	5541	127404	0.0435	20.2771	*outside curve range. TS*
Methamphetamine	Methamphetamine-D11	4.844	241116	506878	0.4757	11.0884	
6-MAM	6-MAM-D6	4.952	1663	87188	0.0191	1.1421	*outside curve range. TS*
Phentermine	Phentermine-D5	5.648	85666	782416	0.1095	10.2654	
Dextrorphan	Dextrorphan-D3	6.106	89644	697540	0.1285	11.0190	
7-aminoclonazepam	7-Aminoclonazepam-D4	6.240	151482	683781	0.2215	9.6088	
Tramadol	Tramadol-13C-D3	6.247	507723	2981073	0.1703	9.1745	
Metoprolol	Oxycodone-D6	6.346	50487	782759	0.0645	11.5019	
Doxylamine	Doxylamine-D5	6.566	264502	1743086	0.1517	11.1093	
Bupropion	Bupropion-D9	6.815	41966	125905	0.3333	11.6158	
Meprobamate	Meprobamate-D7	6.938	70244	285849	0.2457	9.8895	
Zolpidem	Zolpidem-D6	6.946	578767	3446447	0.1679	9.5897	
Venlafaxine	Venlafaxine-D6	7.050	500681	1859659	0.2692	10.5476	
Trazodone	Trazodone-D6	7.160	231030	714841	0.3232	10.9688	

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	7.183	200953	876435	0.2293	10.6844
Dextromethorphan	Dextromethorphan-D3	7.214	72248	230999	0.3128	12.1075
Diphenhydramine	Diphenhydramine-D3	7.238	347720	1603337	0.2169	10.6696
Promethazine	Promethazine-D3	7.413	269254	892387	0.3017	10.1176
Clonazepam	Clonazepam-D4	7.469	271124	233552	1.1609	10.1682
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.525	49082	245838	0.1997	10.4304
Carisoprodol	Carisoprodol-D7	7.558	212335	837293	0.2536	10.8259
Lorazepam	Clonazepam-D4	7.587	155207	233552	0.6646	11.8497
Alprazolam	Alprazolam-D5	7.612	430750	1496212	0.2879	9.9296

TS

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

Batch Data Path	C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1a wklst 2976.batch.bin		
Analysis Time	2/28/2019 9:06 AM	**Analyst Name**	datastor
Report Time	2/28/2019 9:13 AM	**Reporter Name**	datastor
Last Calib Update	2/28/2019 9:06 AM	**Batch State**	Processed

Analysis Info

Acq Time	2019-02-26 06:08	**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
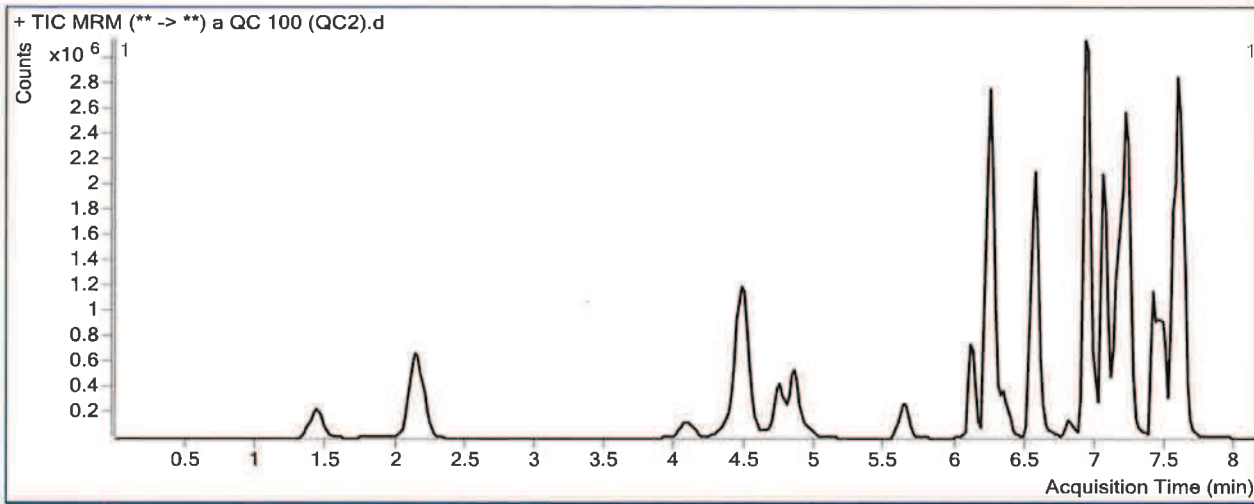
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc	
Morphine	Morphine-D6	1.430	536671	97194	5.5216	97.8903	
Hydromorphone	Hydromorphone-D6	2.152	1969119	716691	2.7475	95.9075	
Codeine	Codeine-D6	4.097	253072	105504	2.3987	66.1414	*Not evaluated.* TS
Oxycodone	Oxycodone-D6	4.453	2337312	784017	2.9812	93.8287	
Amphetamine	Amphetamine-D11	4.487	1464806	392936	3.7278	114.1088	
Hydrocodone	Hydrocodone-D6	4.738	805286	433978	1.8556	102.1696	
Norhydrocodone	Norhydrocodone-D3	4.781	65335	112452	0.5810	90.7926	
Methamphetamine	Methamphetamine-D11	4.844	1929500	404396	4.7713	101.6582	
6-MAM	6-MAM-D6	4.952	24310	84922	0.2863	9.6618	
Phentermine	Phentermine-D5	5.648	758284	638147	1.1883	102.4977	
Dextrorphan	Dextrorphan-D3	6.106	860924	636861	1.3518	97.3472	
7-aminoclonazepam	7-Aminoclonazepam-D4	6.240	1631808	650427	2.5088	99.2215	
Tramadol	Tramadol-13C-D3	6.247	5308629	2880218	1.8431	106.9399	
Metoprolol	Oxycodone-D6	6.346	499723	784017	0.6374	101.6672	
Doxylamine	Doxylamine-D5	6.566	2646381	1772119	1.4933	89.3498	
Bupropion	Bupropion-D9	6.836	217187	76870	2.8254	89.5757	
Meprobamate	Meprobamate-D7	6.938	684905	260587	2.6283	95.0890	
Zolpidem	Zolpidem-D6	6.946	6029964	3429383	1.7583	92.0495	
Venlafaxine	Venlafaxine-D6	7.050	4674558	1647115	2.8380	92.3800	
Trazodone	Trazodone-D6	7.160	2097622	646849	3.2428	104.2138	

TS

a QC 100 (QC2)

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.183	1708029	751500	2.2728	93.9676
Dextromethorphan	Dextromethorphan-D3	7.214	602372	223791	2.6917	105.1916
Diphenhydramine	Diphenhydramine-D3	7.238	3060651	1406735	2.1757	94.6363
Promethazine	Promethazine-D3	7.413	2484895	775880	3.2027	96.3479
Clonazepam	Clonazepam-D4	7.469	2253368	179350	12.5641	103.1750
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.525	448592	207815	2.1586	99.8891
Carisoprodol	Carisoprodol-D7	7.558	1803483	699389	2.5787	100.9673
Lorazepam	Clonazepam-D4	7.567	816701	179350	4.5537	96.8018
Alprazolam	Alprazolam-D5	7.612	3953533	1306670	3.0257	92.6349

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

Batch Data Path	C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1a wklst 2976.batch.bin		
Analysis Time	2/28/2019 9:06 AM	**Analyst Name**	datastor
Report Time	2/28/2019 9:14 AM	**Reporter Name**	datastor
Last Calib Update	2/28/2019 9:06 AM	**Batch State**	Processed

Analysis Info

Acq Time	2019-02-26 09:32	**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
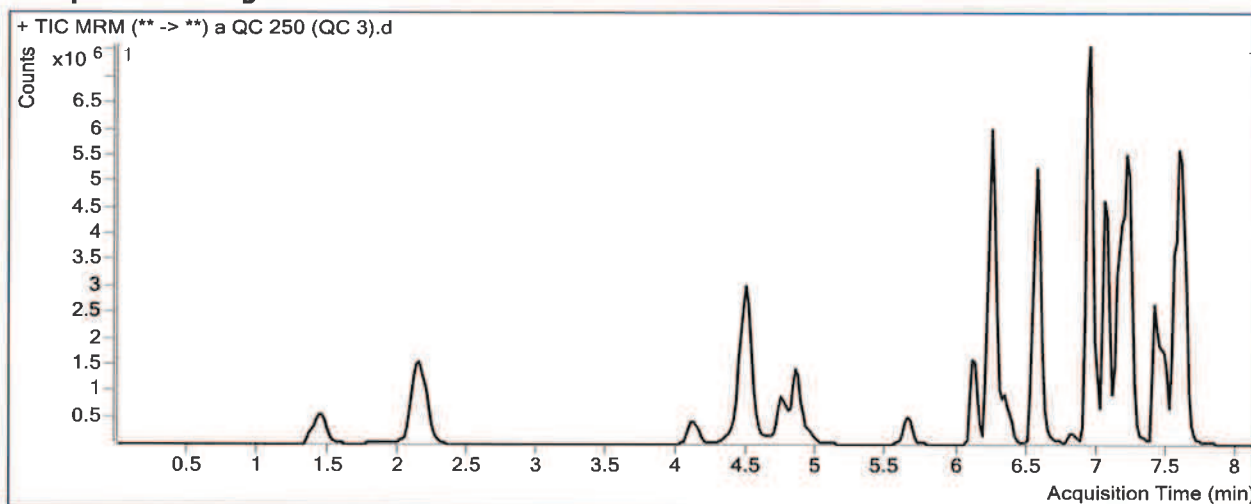
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc	
Morphine	Morphine-D6	1.450	1461236	105375	13.8670	243.8643	
Hydromorphone	Hydromorphone-D6	2.152	5318929	728985	7.2963	252.1796	
Codeine	Codeine-D6	4.117	663054	100266	6.6129	191.9669	*Not evaluated. TS*
Oxycodone	Oxycodone-D6	4.473	6197500	798221	7.7641	240.5070	
Amphetamine	Amphetamine-D11	4.507	3454581	404239	8.5459	261.9018	
Hydrocodone	Hydrocodone-D6	4.738	2093486	453548	4.6158	252.5882	
Norhydrocodone	Norhydrocodone-D3	4.801	192576	112853	1.7064	238.4368	
Methamphetamine	Methamphetamine-D11	4.844	5066518	407104	12.4453	263.4575	
6-MAM	6-MAM-D6	4.952	63762	87578	0.7281	23.7490	
Phentermine	Phentermine-D5	5.648	2031878	690967	2.9406	252.3211	
Dextrorphan	Dextrorphan-D3	6.106	2241473	651501	3.4405	244.7420	
7-aminoclonazepam	7-Aminoclonazepam-D4	6.240	3947127	597110	6.6104	259.9147	
Tramadol	Tramadol-13C-D3	6.247	14460167	3043861	4.7506	276.8624	
Metoprolol	Oxycodone-D6	6.346	1296358	798221	1.6241	256.9563	
Doxylamine	Doxylamine-D5	6.566	7331880	1822392	4.0232	236.8891	
Bupropion	Bupropion-D9	6.836	371186	48581	7.6405	240.2094	
Meprobamate	Meprobamate-D7	6.938	1662403	242003	6.8693	246.7455	
Zolpidem	Zolpidem-D6	6.946	16952491	3329253	5.0920	264.8955	
Venlafaxine	Venlafaxine-D6	7.050	12393231	1687154	7.3456	235.9761	
Trazodone	Trazodone-D6	7.160	5494206	669442	8.2071	262.7599	

TS

a QC 250 (QC3)

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.183	4333065	724437	5.9813	245.1034
Dextromethorphan	Dextromethorphan-D3	7.214	1540046	214074	7.1940	281.3624
Diphenhydramine	Diphenhydramine-D3	7.238	7520511	1307551	5.7516	247.9185
Promethazine	Promethazine-D3	7.413	6546734	771232	8.4887	253.4731
Clonazepam	Clonazepam-D4	7.469	4389048	145038	30.2613	247.5172
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.525	969835	173075	5.6035	257.2069
Carisoprodol	Carisoprodol-D7	7.558	4156803	623261	6.6694	259.5650
Lorazepam	Clonazepam-D4	7.567	1300353	145038	8.9656	193.1738
Alprazolam	Alprazolam-D5	7.612	9320856	1147976	8.1194	246.5121

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

Batch Data Path	C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1a wklst 2976.batch.bin		
Analysis Time	2/28/2019 9:06 AM	**Analyst Name**	datastor
Report Time	2/28/2019 9:15 AM	**Reporter Name**	datastor
Last Calib Update	2/28/2019 9:06 AM	**Batch State**	Processed

Analysis Info

Acq Time	2019-02-26 12:40	**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

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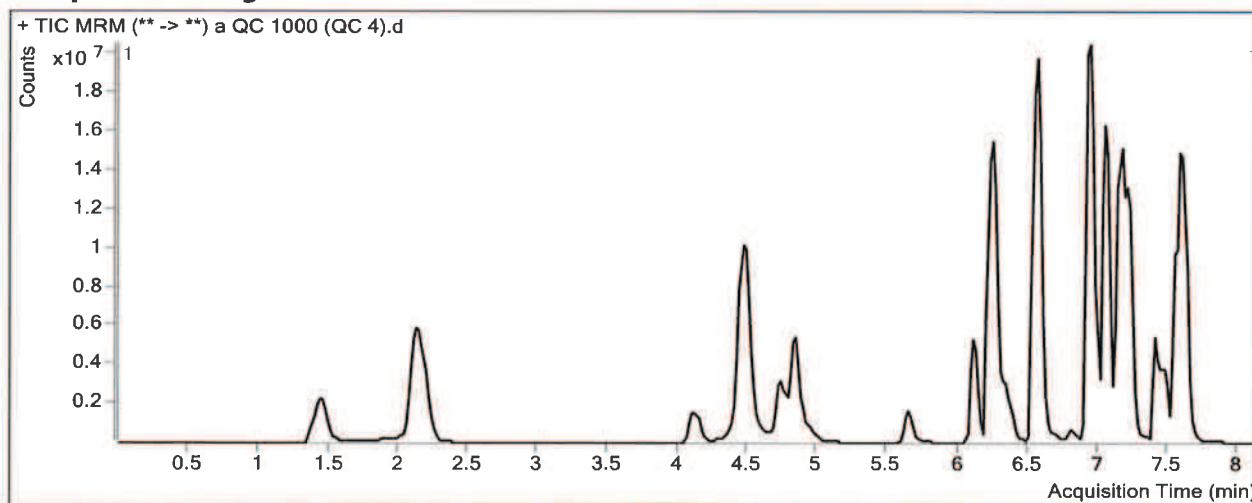
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.430	5801992	98990	58.6116	1026.5258
Hydromorphone	Hydromorphone-D6	2.152	21021683	685095	30.6843	1055.6576
~~Codeine~~	~~Codeine-D6~~	~~4.117~~	~~2356710~~	~~86902~~	~~27.1193~~	~~804.2310~~ _Not evaluated. TS_
Oxycodone	Oxycodone-D6	4.453	27284790	809172	33.7194	1036.4760
Amphetamine	Amphetamine-D11	4.487	9938377	377450	26.3303	807.4387
Hydrocodone	Hydrocodone-D6	4.738	8512970	468978	18.1522	990.2582
Norhydrocodone	Norhydrocodone-D3	4.781	737872	90587	8.1454	1083.1613
Methamphetamine	Methamphetamine-D11	4.844	19805421	395005	50.1396	1058.2128
6-MAM	6-MAM-D6	4.952	283657	93040	3.0487	97.7473
Phentermine	Phentermine-D5	5.648	7071982	624816	11.3185	968.6082
Dextrorphan	Dextrorphan-D3	6.106	7621999	549843	13.8621	980.1921
7-aminoclonazepam	7-Aminoclonazepam-D4	6.240	10614094	439590	24.1454	946.9121
Tramadol	Tramadol-13C-D3	6.247	54221881	2850334	19.0230	1110.9905
Metoprolol	Oxycodone-D6	6.346	4405137	809172	5.4440	858.1655
Doxylamine	Doxylamine-D5	6.566	34396594	2012231	17.0938	999.1482
Bupropion	Bupropion-D9	6.815	1170546	37247	31.4266	984.3166
Meprobamate	Meprobamate-D7	6.938	4319060	175330	24.6339	881.9960
Zolpidem	Zolpidem-D6	6.946	59056335	3356740	17.5934	913.0765
Venlafaxine	Venlafaxine-D6	7.050	49571039	1627812	30.4526	972.0780
Trazodone	Trazodone-D6	7.140	21578508	622506	34.6640	1107.7154

TS

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.183	10243587	394122	25.9909	1060.5814
Dextromethorphan	Dextromethorphan-D3	7.214	3445984	121654	28.3261	1108.2363
Diphenhydramine	Diphenhydramine-D3	7.238	20567470	829557	24.7933	1064.1508
Promethazine	Promethazine-D3	7.413	14171192	393685	35.9963	1071.1311
Clonazepam	Clonazepam-D4	7.469	9696831	78649	123.2922	1006.2947
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.525	2843519	125923	22.5814	1032.5217
Carisoprodol	Carisoprodol-D7	7.558	11060108	365342	30.2733	1174.6735
Lorazepam	Clonazepam-D4	7.567	3341899	78649	42.4912	925.4918
Alprazolam	Alprazolam-D5	7.612	29244310	811836	36.0225	1089.4393

ISP Forensics
Calibration Curve Report

TS

Batch Data Path   C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1a wklst 2976.batch.bin

Last Calib Update   2/28/2019 9:06 AM   **Analyst Name**   ISP TOX

Target Compound   *Morphine*
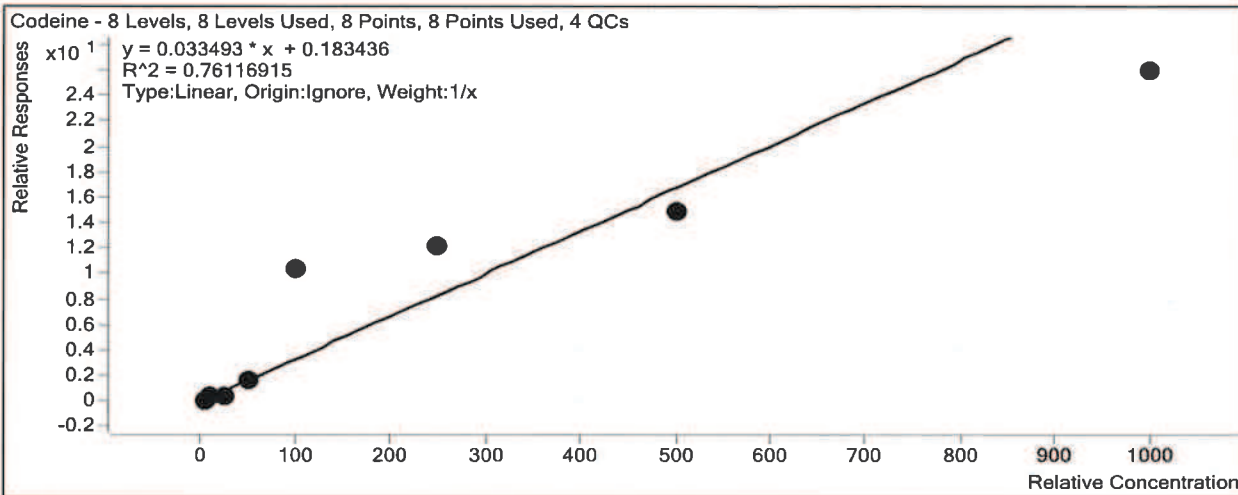*Internal Standard*   *Morphine-D6*
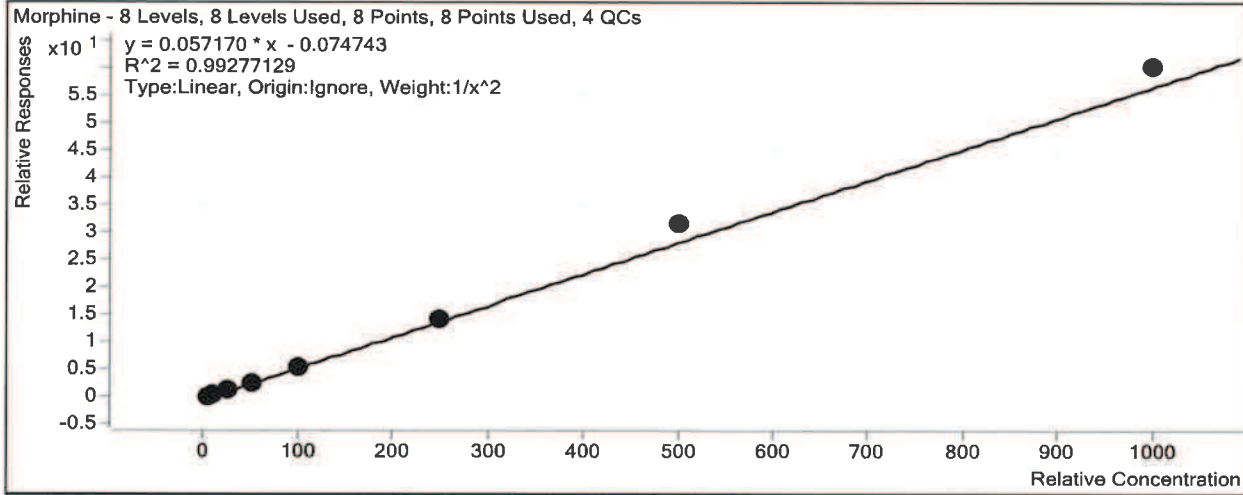
Morphine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.057170 * x - 0.074743$
$R^2 = 0.99277129$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	☑	5	5.3	106.0
a cal 2-10ng.d	2	☑	10	9.2	92.0
a QC 10 (QC1).d	2	☑	10	9.9	98.8
a cal 3-25ng.d	3	☑	25	23.4	93.5
a cal 4-50ng.d	4	☑	50	45.8	91.7
a cal 5-100ng.d	5	☑	100	98.6	98.6
a QC 100 (QC2).d	5	☑	100	97.9	97.9
a cal 6-250ng.d	6	☑	250	251.7	100.7
a QC 250 (QC 3).d	6	☑	250	243.9	97.5
a cal 7-500ng.d	7	☑	500	558.4	111.7
a cal 8-1000ng.d	8	☑	1000	1057.6	105.8
a QC 1000 (QC 4).d	8	☑	1000	1026.5	102.7

ISP Forensics
Calibration Curve Report

TS

Target Compound   *Hydromorphone*
Internal Standard   *Hydromorphone-D6*

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

$y = 0.029108 * x - 0.044202$
$R^2 = 0.99425403$
Type:Linear, Origin:Ignore, Weight:$1/x^2$
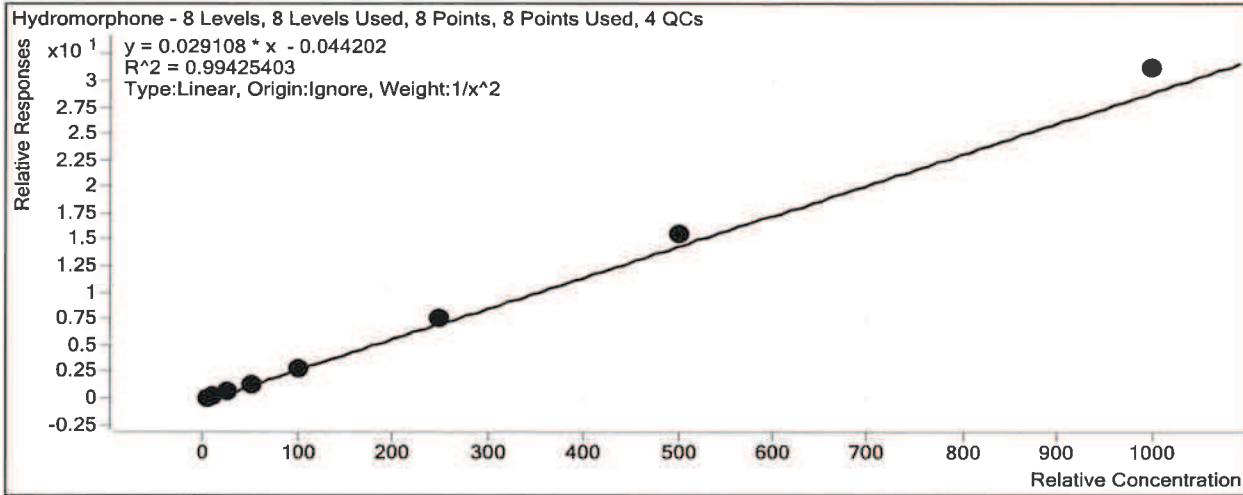
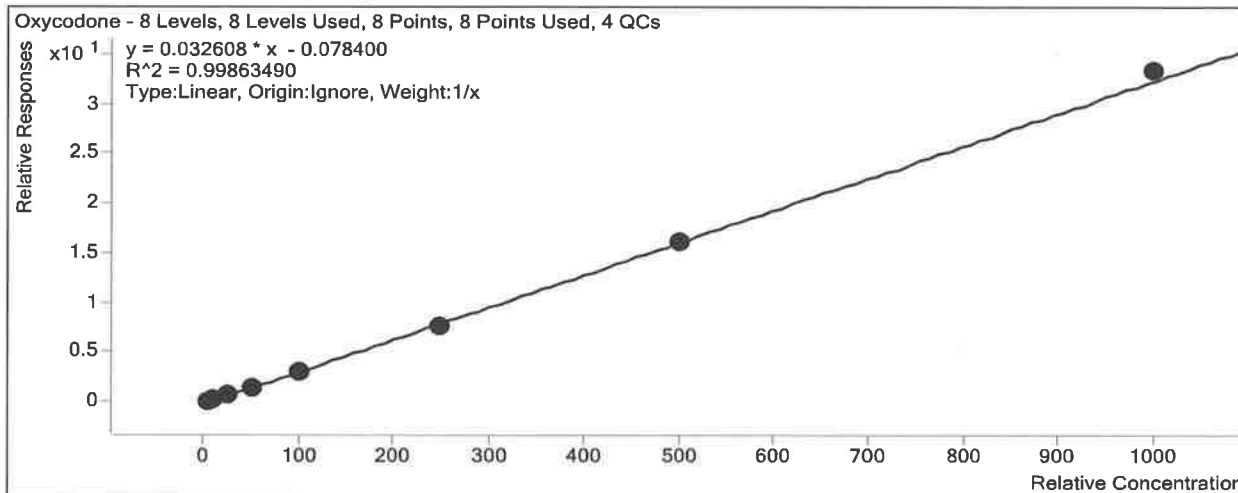| Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	☑	5	5.3	105.1
a cal 2-10ng.d	2	☑	10	9.4	94.2
a QC 10 (QC1).d	2	☑	10	9.8	97.8
a cal 3-25ng.d	3	☑	25	23.2	93.0
a cal 4-50ng.d	4	☑	50	45.6	91.3
a cal 5-100ng.d	5	☑	100	98.4	98.4
a QC 100 (QC2).d	5	☑	100	95.9	95.9
a cal 6-250ng.d	6	☑	250	259.0	103.6
a QC 250 (QC 3).d	6	☑	250	252.2	100.9
a cal 7-500ng.d	7	☑	500	536.0	107.2
a cal 8-1000ng.d	8	☑	1000	1072.8	107.3
a QC 1000 (QC 4).d	8	☑	1000	1055.7	105.6

ISP Forensics
Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1a wklst 2976.batch.bin

Last Calib Update 2/28/2019 9:06 AM   **Analyst Name** ISP TOX

Target Compound   *Codeine*
Internal Standard   *Codeine-D6*

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

$y = 0.033493 * x + 0.183436$
$R^2 = 0.76116915$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	☑	5	0.0	0.0
a cal 2-10ng.d	2	☑	10	8.4	83.6
a QC 10 (QC1).d	2	☑	10	2.3	22.7
a cal 3-25ng.d	3	☑	25	9.5	38.2
a cal 4-50ng.d	4	☑	50	46.8	93.6
a cal 5-100ng.d	5	☑	100	306.5	306.5
a QC 100 (QC2).d	5	☑	100	66.1	66.1
a cal 6-250ng.d	6	☑	250	361.5	144.6
a QC 250 (QC 3).d	6	☑	250	192.0	76.8
a cal 7-500ng.d	7	☑	500	439.7	87.9
a cal 8-1000ng.d	8	☑	1000	769.2	76.9
a QC 1000 (QC 4).d	8	☑	1000	804.2	80.4

*Compound not evaluated. - TS

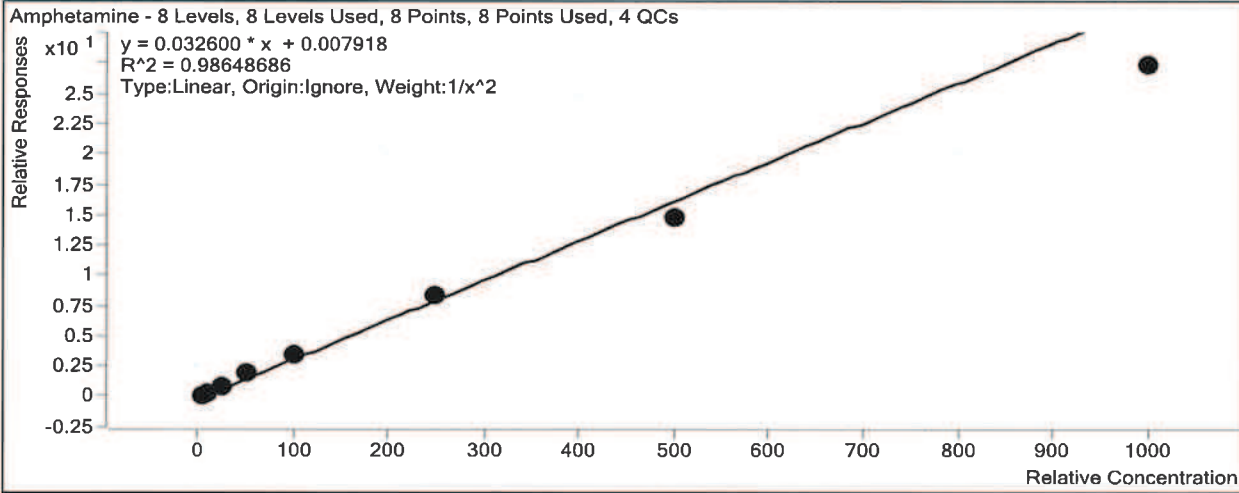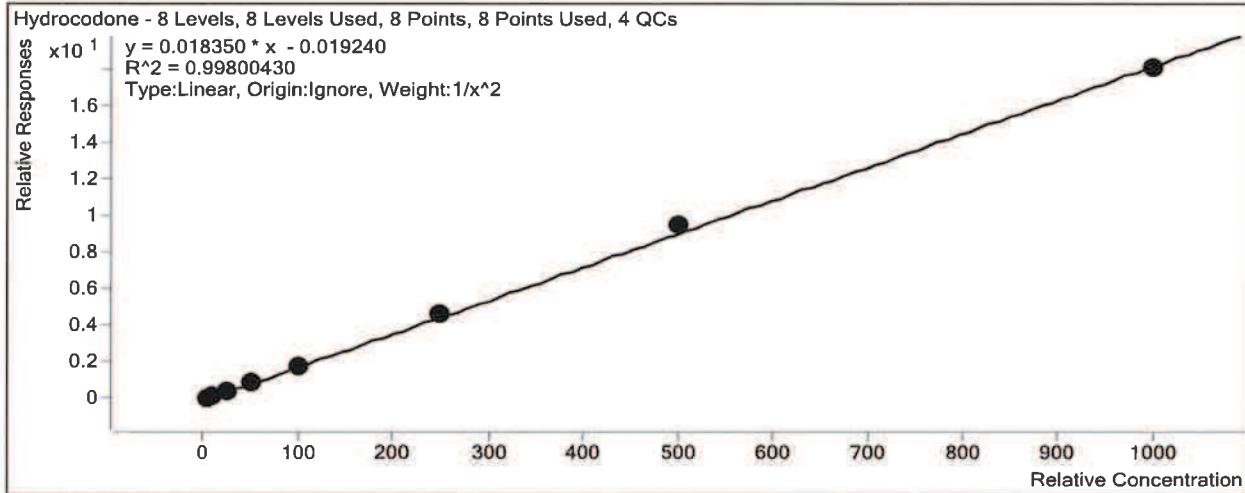# ISP Forensics
Calibration Curve Report

Batch Data Path   C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1a wklst 2976.batch.bin

Last Calib Update   2/28/2019 9:06 AM   **Analyst Name**   ISP TOX

Target Compound   _Oxycodone_
Internal Standard   _Oxycodone-D6_

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

$y = 0.032608 * x - 0.078400$
$R^2 = 0.99863490$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	☑	5	6.1	122.0
a cal 2-10ng.d	2	☑	10	10.3	103.4
a QC 10 (QC1).d	2	☑	10	11.2	111.6
a cal 3-25ng.d	3	☑	25	22.4	89.5
a cal 4-50ng.d	4	☑	50	47.6	95.1
a cal 5-100ng.d	5	☑	100	92.9	92.9
a QC 100 (QC2).d	5	☑	100	93.8	93.8
a cal 6-250ng.d	6	☑	250	236.7	94.7
a QC 250 (QC 3).d	6	☑	250	240.5	96.2
a cal 7-500ng.d	7	☑	500	500.6	100.1
a cal 8-1000ng.d	8	☑	1000	1023.5	102.3
a QC 1000 (QC 4).d	8	☑	1000	1036.5	103.6

Batch Data Path   C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1a wklst 2976.batch.bin

Last Calib Update   2/28/2019 9:06 AM   **Analyst Name**   ISP TOX

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

Amphetamine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs
$y = 0.032600 * x + 0.007918$
$R^2 = 0.98648686$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	☑	5	4.9	98.9
a cal 2-10ng.d	2	☑	10	9.7	96.7
a QC 10 (QC1).d	2	☑	10	10.5	105.3
a cal 3-25ng.d	3	☑	25	26.1	104.3
a cal 4-50ng.d	4	☑	50	58.5	117.1
a cal 5-100ng.d	5	☑	100	105.2	105.2
a QC 100 (QC2).d	5	☑	100	114.1	114.1
a cal 6-250ng.d	6	☑	250	259.5	103.8
a QC 250 (QC 3).d	6	☑	250	261.9	104.8
a cal 7-500ng.d	7	☑	500	450.9	90.2
a cal 8-1000ng.d	8	☑	1000	838.0	83.8
a QC 1000 (QC 4).d	8	☐	1000	807.4	80.7

Batch Data Path   C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1a wklst 2976.batch.bin

Last Calib Update   2/28/2019 9:06 AM   **Analyst Name**   ISP TOX

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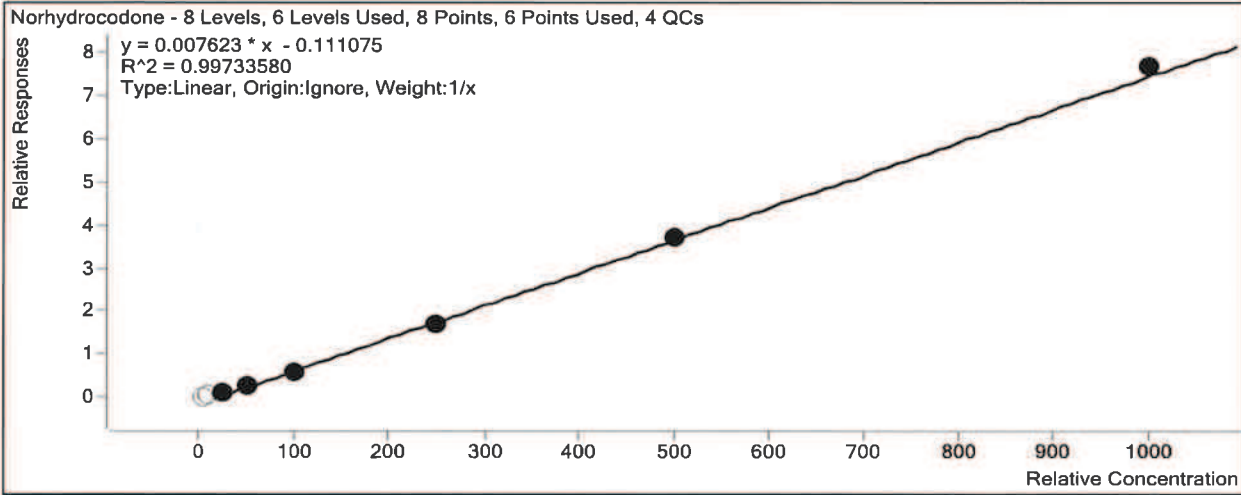*Internal Standard*   *Hydrocodone-D6*

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

$y = 0.018350 * x - 0.019240$
$R^2 = 0.99800430$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	☑	5	5.2	104.0
a cal 2-10ng.d	2	☑	10	9.3	92.7
a QC 10 (QC1).d	2	☑	10	9.6	96.3
a cal 3-25ng.d	3	☑	25	24.1	96.6
a cal 4-50ng.d	4	☑	50	51.3	102.5
a cal 5-100ng.d	5	☑	100	100.2	100.2
a QC 100 (QC2).d	5	☑	100	102.2	102.2
a cal 6-250ng.d	6	☑	250	253.0	101.2
a QC 250 (QC 3).d	6	☑	250	252.6	101.0
a cal 7-500ng.d	7	☑	500	519.9	104.0
a cal 8-1000ng.d	8	☑	1000	988.7	98.9
a QC 1000 (QC 4).d	8	☑	1000	990.3	99.0

Batch Data Path   C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1a wklst
2976.batch.bin

Last Calib Update   2/28/2019 9:06 AM   **Analyst Name**   ISP TOX

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

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

$y = 0.007623 * x - 0.111075$
$R^2 = 0.99733580$
Type:Linear, Origin:Ignore, Weight:1/x

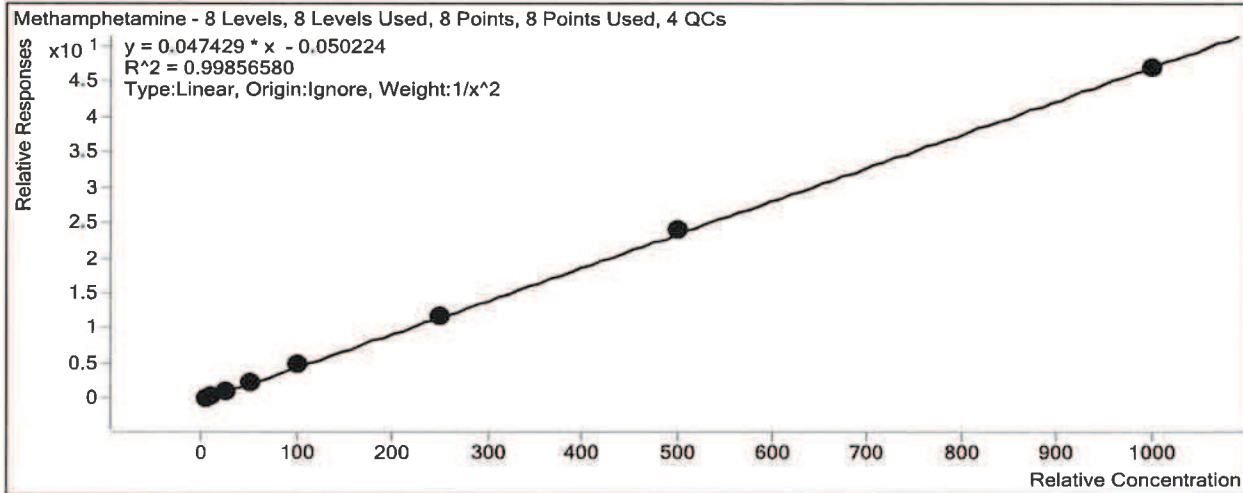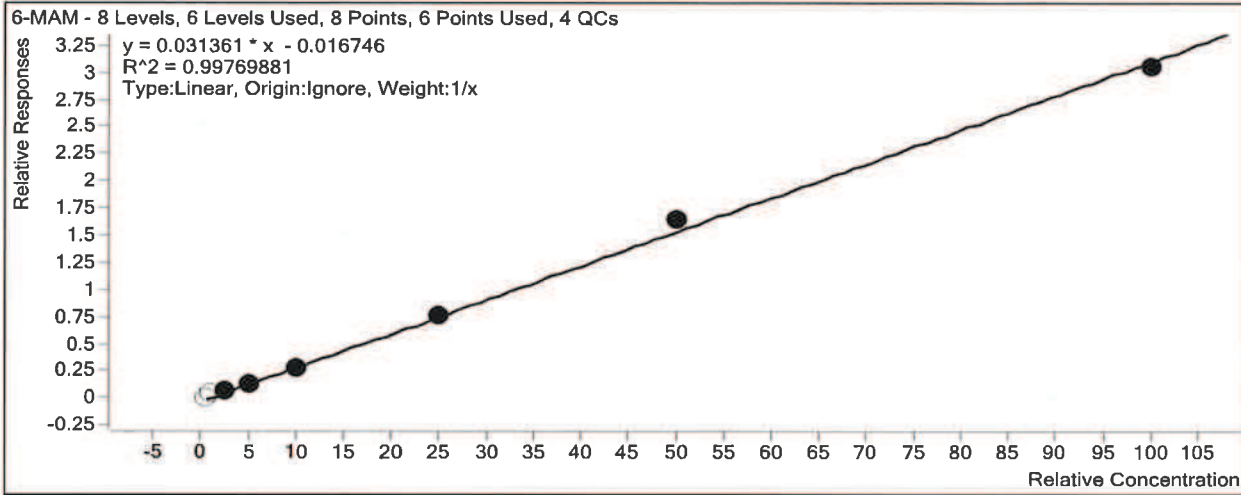| Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	☐	5	17.1	341.4
a cal 2-10ng.d	2	☐	10	20.3	202.8
a QC 10 (QC1).d	2	☐	10	20.3	202.8
a cal 3-25ng.d	3	☑	25	29.9	119.6
a cal 4-50ng.d	4	☑	50	48.0	95.9
a cal 5-100ng.d	5	☑	100	87.9	87.9
a QC 100 (QC2).d	5	☑	100	90.8	90.8
a cal 6-250ng.d	6	☑	250	235.3	94.1
a QC 250 (QC 3).d	6	☑	250	238.4	95.4
a cal 7-500ng.d	7	☑	500	501.4	100.3
a cal 8-1000ng.d	8	☑	1000	1022.6	102.3
a QC 1000 (QC 4).d	8	☑	1000	1083.2	108.3

ISP Forensics
Calibration Curve Report

TS

Batch Data Path   C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1a wklst 2976.batch.bin

Last Calib Update   2/28/2019 9:06 AM   **Analyst Name**   ISP TOX

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

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

$y = 0.047429 * x - 0.050224$
$R^2 = 0.99856580$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	☑	5	5.1	102.4
a cal 2-10ng.d	2	☑	10	9.6	96.2
a QC 10 (QC1).d	2	☑	10	11.1	110.9
a cal 3-25ng.d	3	☑	25	23.7	94.8
a cal 4-50ng.d	4	☑	50	52.3	104.6
a cal 5-100ng.d	5	☑	100	101.9	101.9
a QC 100 (QC2).d	5	☑	100	101.7	101.7
a cal 6-250ng.d	6	☑	250	248.4	99.4
a QC 250 (QC 3).d	6	☑	250	263.5	105.4
a cal 7-500ng.d	7	☑	500	508.0	101.6
a cal 8-1000ng.d	8	☑	1000	991.4	99.1
a QC 1000 (QC 4).d	8	☑	1000	1058.2	105.8

ISP Forensics
Calibration Curve Report

Batch Data Path	C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1a wklst 2976.batch.bin
Last Calib Update	2/28/2019 9:06 AM

Analyst Name   ISP TOX

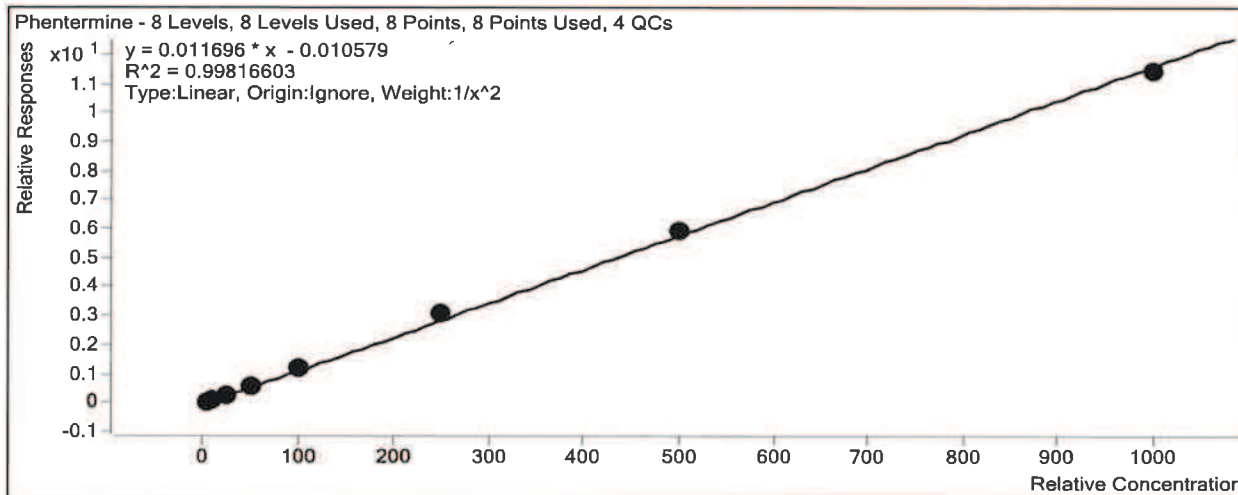*Target Compound*   *6-MAM*
Internal Standard   6-MAM-D6

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

$y = 0.031361 * x - 0.016746$
$R^2 = 0.99769881$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	☐	0.5	1.0	197.5
a cal 2-10ng.d	2	☐	1	1.8	176.1
a QC 10 (QC1).d	2	☑	1	1.1	114.2
a cal 3-25ng.d	3	☑	2.5	2.7	107.8
a cal 4-50ng.d	4	☑	5	4.8	96.8
a cal 5-100ng.d	5	☑	10	9.2	91.5
a QC 100 (QC2).d	5	☑	10	9.7	96.6
a cal 6-250ng.d	6	☑	25	25.0	99.9
a QC 250 (QC 3).d	6	☑	25	23.7	95.0
a cal 7-500ng.d	7	☑	50	53.1	106.2
a cal 8-1000ng.d	8	☑	100	97.7	97.7
a QC 1000 (QC 4).d	8	☑	100	97.7	97.7

ISP Forensics
Calibration Curve Report

Batch Data Path	C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1a wklst 2976.batch.bin
Last Calib Update	2/28/2019 9:06 AM

Analyst Name   ISP TOX

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

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

y = 0.011696 * x - 0.010579
R^2 = 0.99816603
Type:Linear, Origin:Ignore, Weight:1/x^2

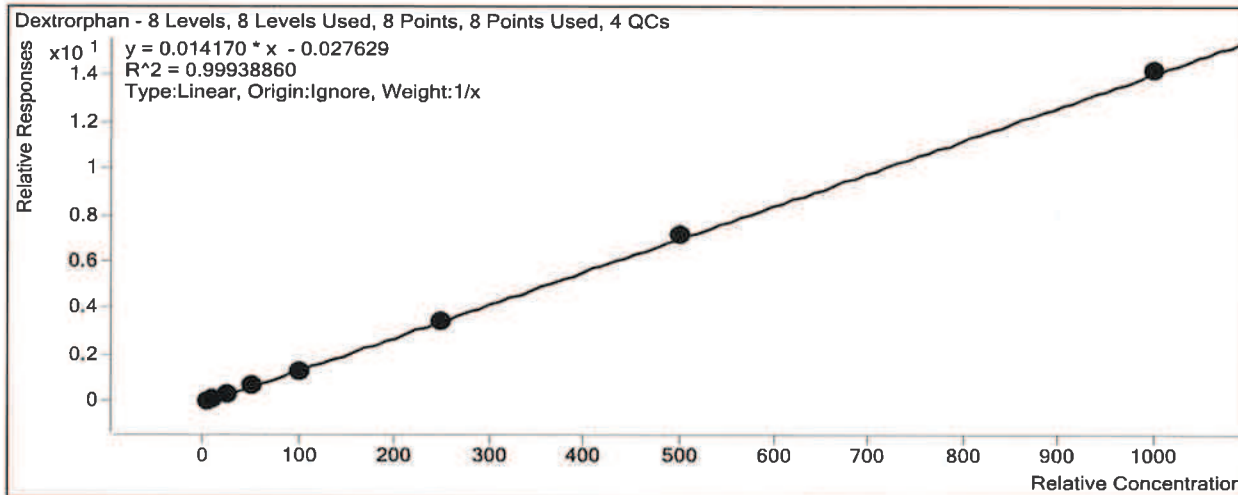| Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	☑	5	5.1	102.3
a cal 2-10ng.d	2	☑	10	9.7	97.2
a QC 10 (QC1).d	2	☑	10	10.3	102.7
a cal 3-25ng.d	3	☑	25	23.8	95.3
a cal 4-50ng.d	4	☑	50	48.9	97.7
a cal 5-100ng.d	5	☑	100	101.9	101.9
a QC 100 (QC2).d	5	☑	100	102.5	102.5
a cal 6-250ng.d	6	☑	250	267.1	106.9
a QC 250 (QC 3).d	6	☑	250	252.3	100.9
a cal 7-500ng.d	7	☑	500	504.9	101.0
a cal 8-1000ng.d	8	☑	1000	977.0	97.7
a QC 1000 (QC 4).d	8	☑	1000	968.6	96.9

ISP Forensics
Calibration Curve Report

Batch Data Path   C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1a wklst
2976.batch.bin

Last Calib Update   2/28/2019 9:06 AM   **Analyst Name**   ISP TOX

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

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

$y = 0.014170 * x - 0.027629$
$R^2 = 0.99938860$
Type:Linear, Origin:Ignore, Weight:1/x

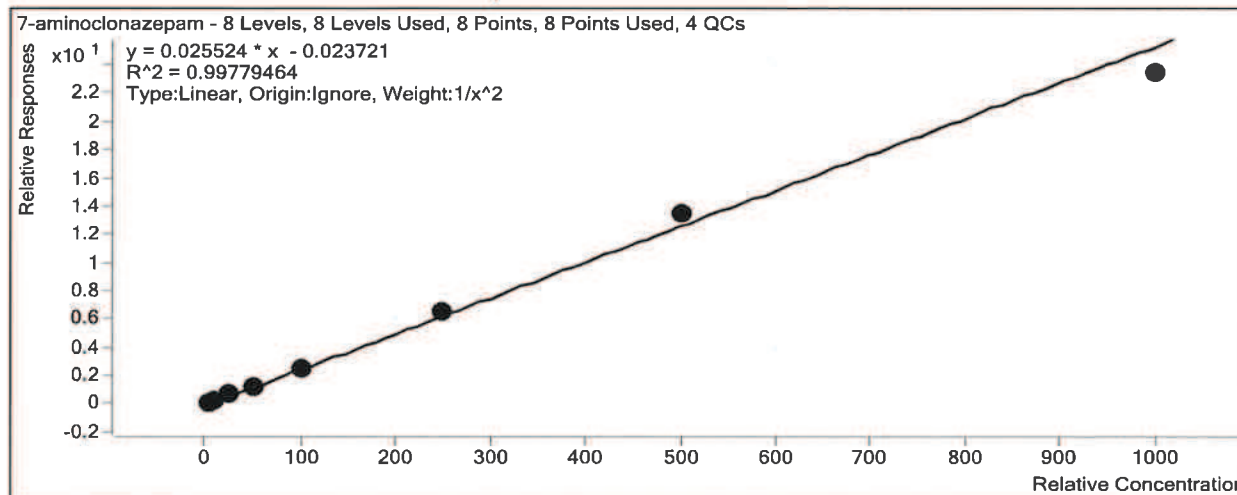| Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	☑	5	5.7	113.0
a cal 2-10ng.d	2	☑	10	10.5	104.7
a QC 10 (QC1).d	2	☑	10	11.0	110.2
a cal 3-25ng.d	3	☑	25	23.1	92.6
a cal 4-50ng.d	4	☑	50	47.9	95.7
a cal 5-100ng.d	5	☑	100	93.2	93.2
a QC 100 (QC2).d	5	☑	100	97.3	97.3
a cal 6-250ng.d	6	☑	250	245.8	98.3
a QC 250 (QC 3).d	6	☑	250	244.7	97.9
a cal 7-500ng.d	7	☑	500	510.2	102.0
a cal 8-1000ng.d	8	☑	1000	1003.6	100.4
a QC 1000 (QC 4).d	8	☑	1000	980.2	98.0

ISP Forensics
Calibration Curve Report

Batch Data Path   C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1a wklst 2976.batch.bin

Last Calib Update   2/28/2019 9:06 AM   **Analyst Name**   ISP TOX

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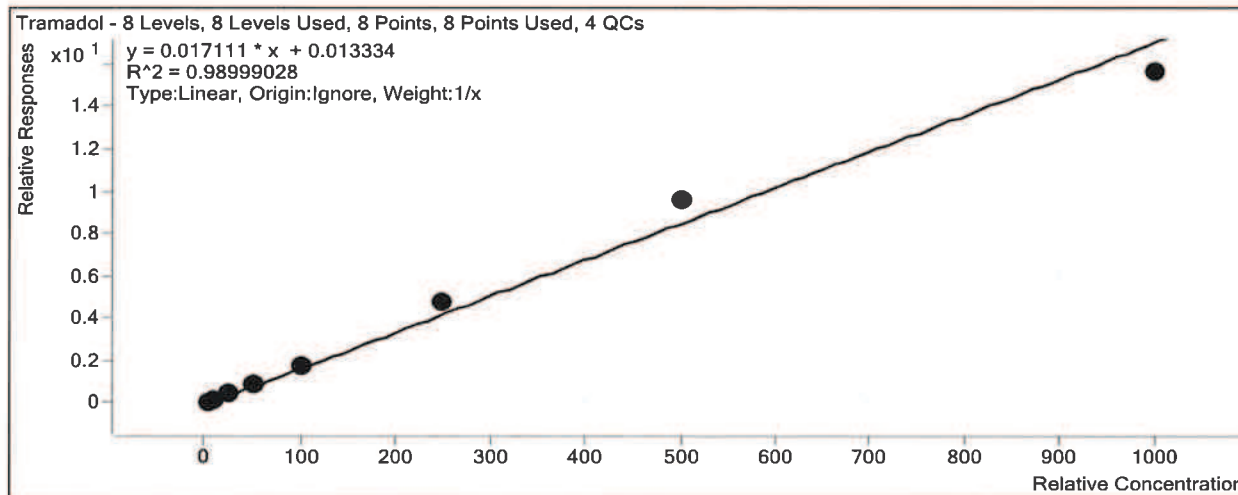*Internal Standard*   *7-Aminoclonazepam-D4*

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

$y = 0.025524 * x - 0.023721$
$R^2 = 0.99779464$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	☑	5	5.0	100.6
a cal 2-10ng.d	2	☑	10	9.9	99.3
a QC 10 (QC1).d	2	☑	10	9.6	96.1
a cal 3-25ng.d	3	☑	25	24.7	98.8
a cal 4-50ng.d	4	☑	50	49.4	98.9
a cal 5-100ng.d	5	☑	100	100.8	100.8
a QC 100 (QC2).d	5	☑	100	99.2	99.2
a cal 6-250ng.d	6	☑	250	258.8	103.5
a QC 250 (QC 3).d	6	☑	250	259.9	104.0
a cal 7-500ng.d	7	☑	500	530.3	106.1
a cal 8-1000ng.d	8	☑	1000	920.5	92.0
a QC 1000 (QC 4).d	8	☑	1000	946.9	94.7

ISP Forensics
Calibration Curve Report

Batch Data Path	C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1a wklst 2976.batch.bin			
Last Calib Update	2/28/2019 9:06 AM	**Analyst Name**	ISP TOX	

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

Tramadol - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs
$y = 0.017111 * x + 0.013334$
$R^2 = 0.98999028$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	☑	5	4.1	82.9
a cal 2-10ng.d	2	☑	10	9.8	98.0
a QC 10 (QC1).d	2	☑	10	9.2	91.7
a cal 3-25ng.d	3	☑	25	24.6	98.3
a cal 4-50ng.d	4	☑	50	52.9	105.8
a cal 5-100ng.d	5	☑	100	101.8	101.8
a QC 100 (QC2).d	5	☑	100	106.9	106.9
a cal 6-250ng.d	6	☑	250	275.5	110.2
a QC 250 (QC 3).d	6	☑	250	276.9	110.7
a cal 7-500ng.d	7	☑	500	559.7	111.9
a cal 8-1000ng.d	8	☑	1000	911.6	91.2
a QC 1000 (QC 4).d	8	☑	1000	1111.0	111.1

TS

Target Compound   *Metoprolol*
Internal Standard   *Oxycodone-D6*

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

$y = 0.006354 * x - 0.008582$
$R^2 = 0.98999803$
Type:Linear, Origin:Ignore, Weight:$1/x^2$
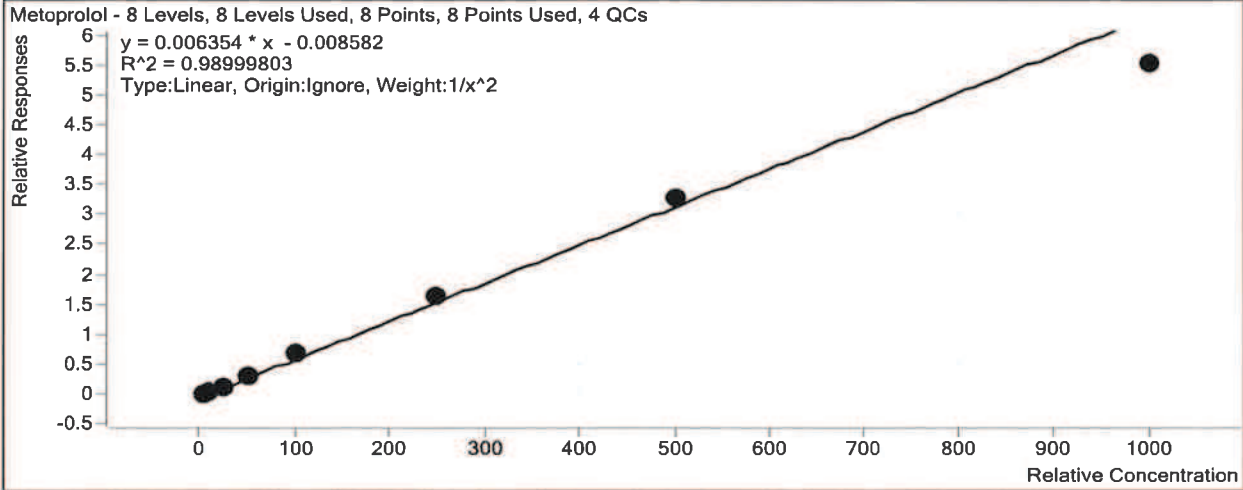
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	☑	5	4.9	97.5
a cal 2-10ng.d	2	☑	10	10.8	108.4
a QC 10 (QC1).d	2	☑	10	11.5	115.0
a cal 3-25ng.d	3	☑	25	22.1	88.5
a cal 4-50ng.d	4	☑	50	49.9	99.7
a cal 5-100ng.d	5	☑	100	110.8	110.8
a QC 100 (QC2).d	5	☑	100	101.7	101.7
a cal 6-250ng.d	6	☑	250	262.9	105.1
a QC 250 (QC 3).d	6	☑	250	257.0	102.8
a cal 7-500ng.d	7	☑	500	515.4	103.1
a cal 8-1000ng.d	8	☑	1000	868.5	86.9
a QC 1000 (QC 4).d	8	☑	1000	858.2	85.8

Batch Data Path C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1a wklst
2976.batch.bin

Last Calib Update 2/28/2019 9:06 AM   **Analyst Name**   ISP TOX

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

Doxylamine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs
y = 0.017147 * x - 0.038748
R^2 = 0.99800644
Type:Linear, Origin:Ignore, Weight:1/x
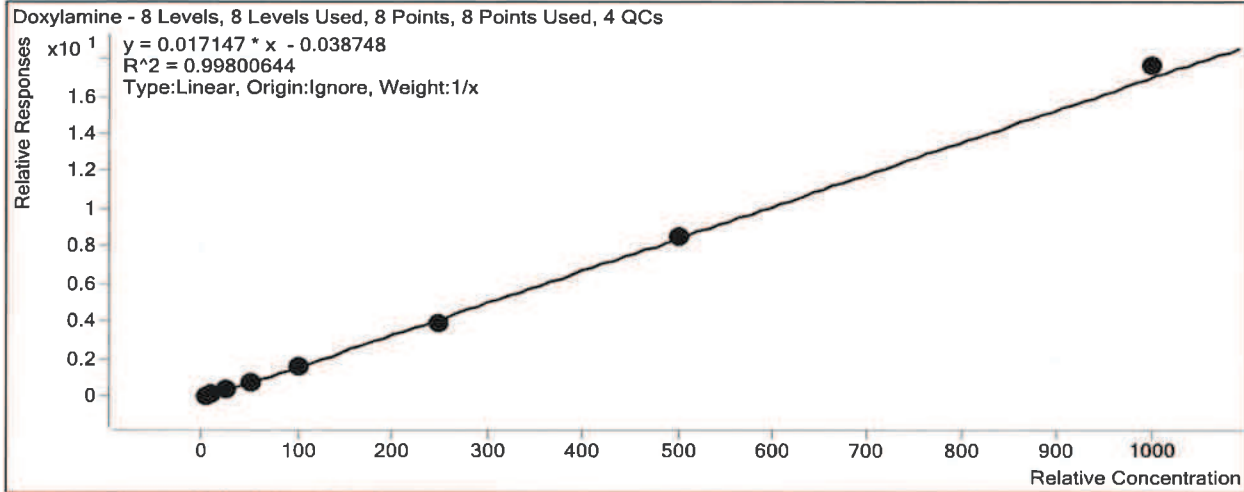
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	☑	5	6.2	123.8
a cal 2-10ng.d	2	☑	10	9.9	98.7
a QC 10 (QC1).d	2	☑	10	11.1	111.1
a cal 3-25ng.d	3	☑	25	22.9	91.5
a cal 4-50ng.d	4	☑	50	48.8	97.5
a cal 5-100ng.d	5	☑	100	93.9	93.9
a QC 100 (QC2).d	5	☑	100	89.3	89.3
a cal 6-250ng.d	6	☑	250	228.5	91.4
a QC 250 (QC 3).d	6	☑	250	236.9	94.8
a cal 7-500ng.d	7	☑	500	501.2	100.2
a cal 8-1000ng.d	8	☑	1000	1028.7	102.9
a QC 1000 (QC 4).d	8	☑	1000	999.1	99.9

Batch Data Path C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1a wklst 2976.batch.bin

Last Calib Update 2/28/2019 9:06 AM **Analyst Name** ISP TOX

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

Bupropion - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs
y = 0.031966 * x - 0.037995
R^2 = 0.99121163
Type:Linear, Origin:Ignore, Weight:1/x^2
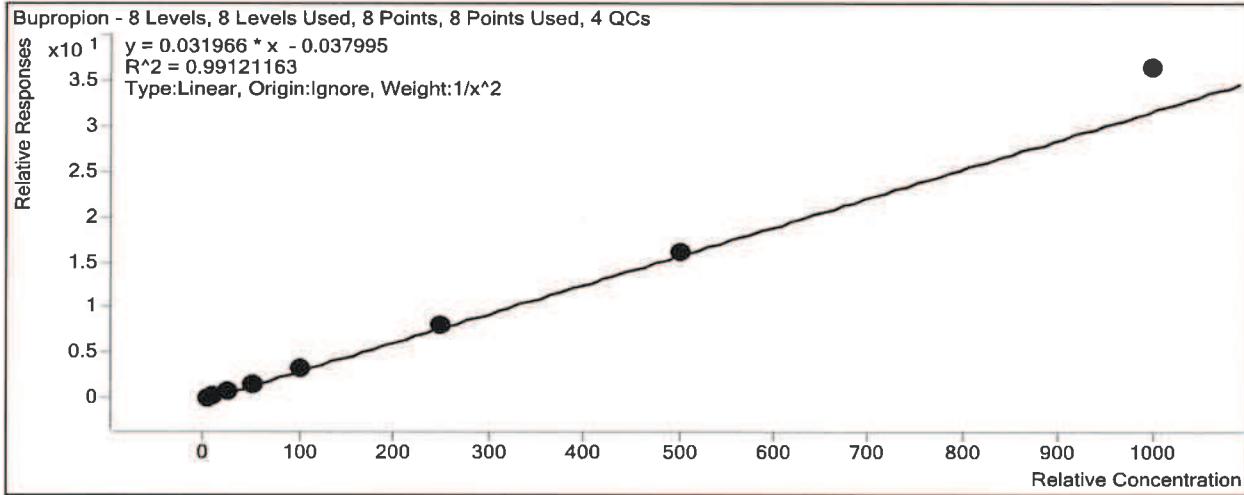
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	☑	5	5.3	106.9
a cal 2-10ng.d	2	☑	10	9.0	90.1
a QC 10 (QC1).d	2	☑	10	11.6	116.2
a cal 3-25ng.d	3	☑	25	23.5	93.9
a cal 4-50ng.d	4	☑	50	45.6	91.1
a cal 5-100ng.d	5	☑	100	101.3	101.3
a QC 100 (QC2).d	5	☑	100	89.6	89.6
a cal 6-250ng.d	6	☑	250	252.5	101.0
a QC 250 (QC 3).d	6	☑	250	240.2	96.1
a cal 7-500ng.d	7	☑	500	507.4	101.5
a cal 8-1000ng.d	8	☑	1000	1142.1	114.2
a QC 1000 (QC 4).d	8	☑	1000	984.3	98.4

ISP Forensics
Calibration Curve Report

TS

Batch Data Path	C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1a wklst 2976.batch.bin		
Last Calib Update	2/28/2019 9:06 AM	**Analyst Name**	ISP TOX

Target Compound *Meprobamate*
Internal Standard *Meprobamate-D7*

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

$y = 0.027965 * x - 0.030817$
$R^2 = 0.99855552$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	☑	5	5.5	110.2
a cal 2-10ng.d	2	☑	10	8.9	89.4
a QC 10 (QC1).d	2	☑	10	9.9	98.9
a cal 3-25ng.d	3	☑	25	23.8	95.2
a cal 4-50ng.d	4	☑	50	53.5	107.1
a cal 5-100ng.d	5	☑	100	103.0	103.0
a QC 100 (QC2).d	5	☑	100	95.1	95.1
a cal 6-250ng.d	6	☑	250	242.9	97.2
a QC 250 (QC 3).d	6	☑	250	246.7	98.7
a cal 7-500ng.d	7	☑	500	476.3	95.3
a cal 8-1000ng.d	8	☑	1000	1026.0	102.6
a QC 1000 (QC 4).d	8	☑	1000	882.0	88.2

Batch Data Path   C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1a wklst 2976.batch.bin

Last Calib Update   2/28/2019 9:06 AM   **Analyst Name**   ISP TOX

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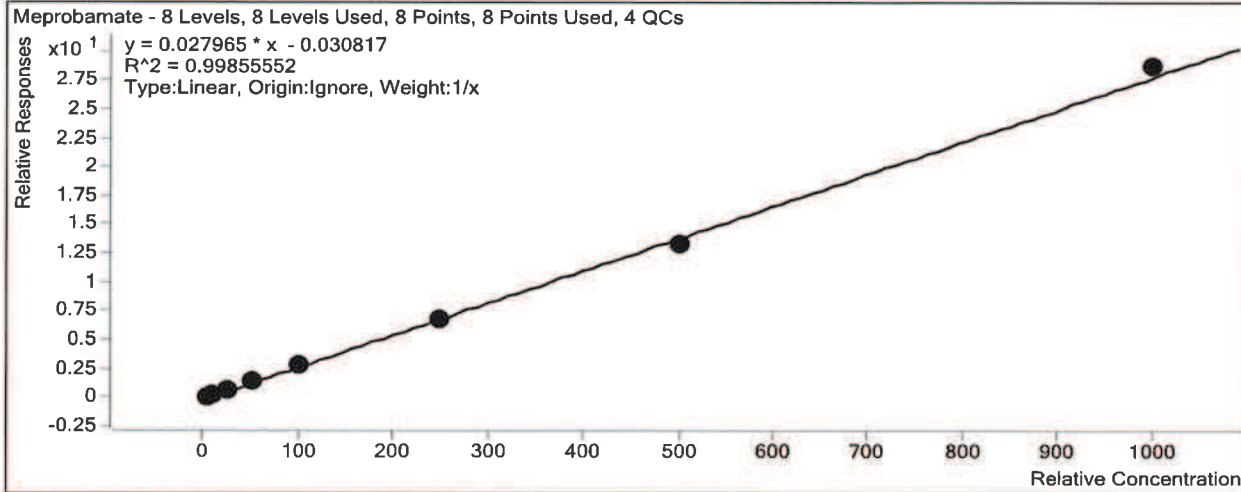*Internal Standard*   *Zolpidem-D6*

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

$y = 0.019287 * x - 0.017023$
$R^2 = 0.98989731$
Type:Linear, Origin:Ignore, Weight:1/x

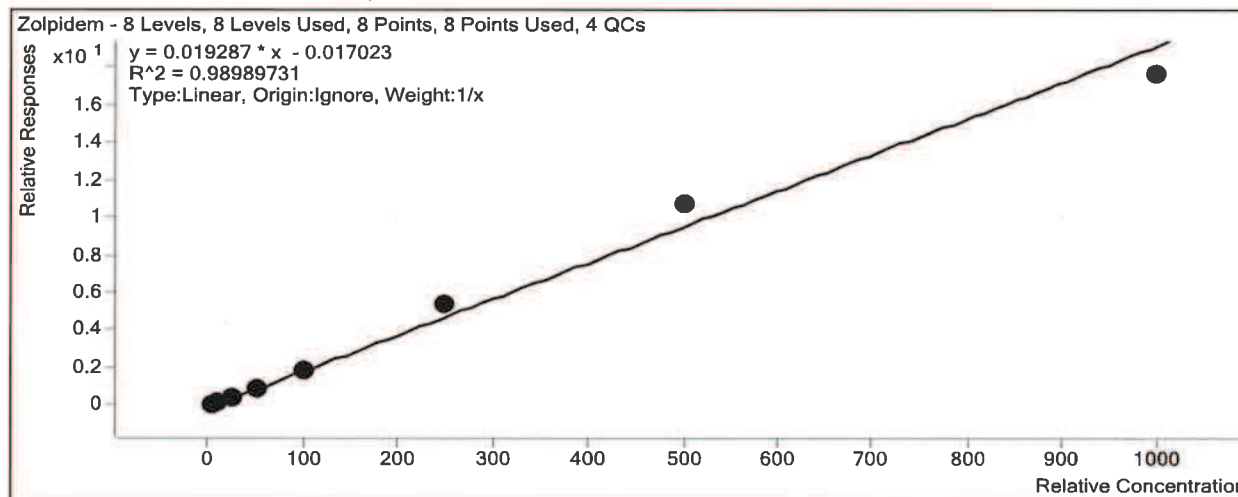| Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	☑	5	5.0	99.9
a cal 2-10ng.d	2	☑	10	9.7	96.8
a QC 10 (QC1).d	2	☑	10	9.6	95.9
a cal 3-25ng.d	3	☑	25	23.4	93.4
a cal 4-50ng.d	4	☑	50	47.7	95.4
a cal 5-100ng.d	5	☑	100	99.2	99.2
a QC 100 (QC2).d	5	☑	100	92.0	92.0
a cal 6-250ng.d	6	☑	250	279.0	111.6
a QC 250 (QC 3).d	6	☑	250	264.9	106.0
a cal 7-500ng.d	7	☑	500	560.6	112.1
a cal 8-1000ng.d	8	☑	1000	915.5	91.6
a QC 1000 (QC 4).d	8	☑	1000	913.1	91.3

ISP Forensics
Calibration Curve Report

Batch Data Path   C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1a wklst
2976.batch.bin

Last Calib Update   2/28/2019 9:06 AM   **Analyst Name**   ISP TOX

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

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

$y = 0.031391 * x - 0.061865$
$R^2 = 0.99888114$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	☑	5	5.8	116.7
a cal 2-10ng.d	2	☑	10	10.7	106.7
a QC 10 (QC1).d	2	☑	10	10.5	105.5
a cal 3-25ng.d	3	☑	25	22.6	90.4
a cal 4-50ng.d	4	☑	50	45.3	90.6
a cal 5-100ng.d	5	☑	100	97.6	97.6
a QC 100 (QC2).d	5	☑	100	92.4	92.4
a cal 6-250ng.d	6	☑	250	236.8	94.7
a QC 250 (QC 3).d	6	☑	250	236.0	94.4
a cal 7-500ng.d	7	☑	500	512.0	102.4
a cal 8-1000ng.d	8	☑	1000	1009.2	100.9
a QC 1000 (QC 4).d	8	☑	1000	972.1	97.2

ISP Forensics
Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1a wklst 2976.batch.bin

Last Calib Update 2/28/2019 9:06 AM   **Analyst Name**   ISP TOX

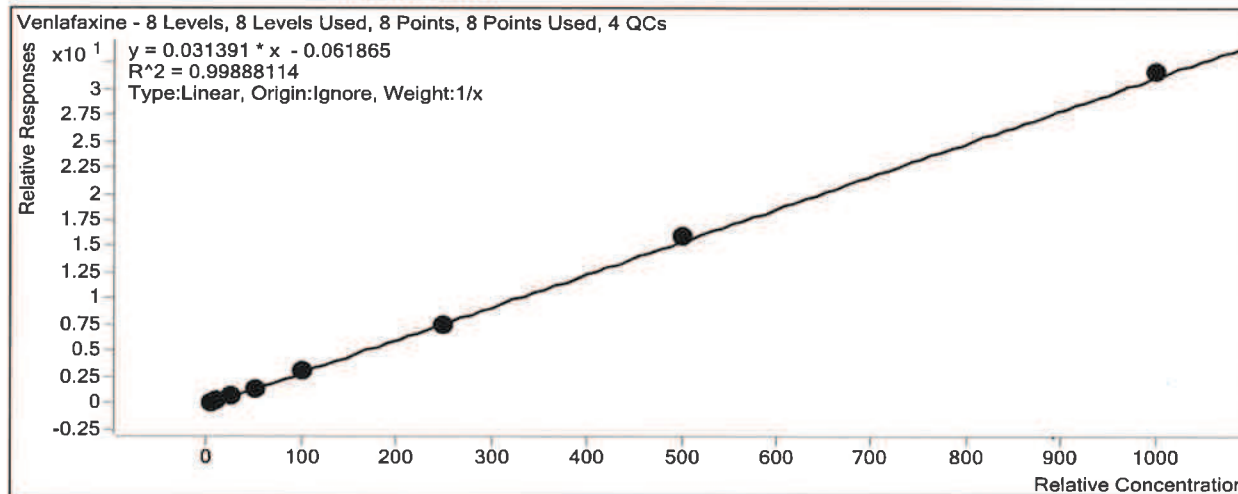### *Target Compound*   *Trazodone*
Internal Standard   *Trazodone-D6*

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

y = 0.031311 * x - 0.020258
R^2 = 0.99894166
Type:Linear, Origin:Ignore, Weight:1/x^2
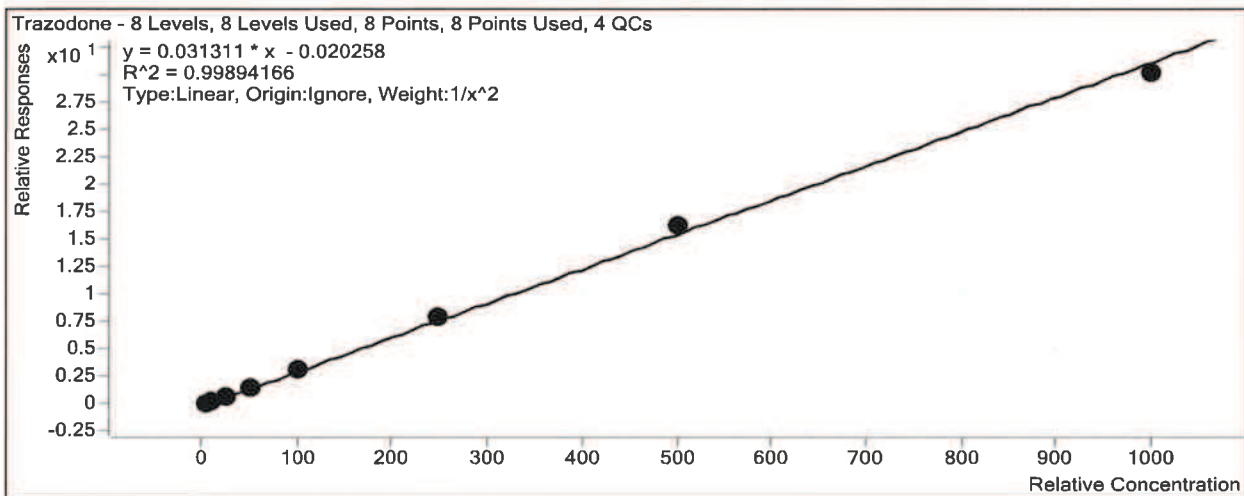
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	☑	5	5.1	101.7
a cal 2-10ng.d	2	☑	10	9.6	96.2
a QC 10 (QC1).d	2	☑	10	11.0	109.7
a cal 3-25ng.d	3	☑	25	24.9	99.5
a cal 4-50ng.d	4	☑	50	51.3	102.7
a cal 5-100ng.d	5	☑	100	99.1	99.1
a QC 100 (QC2).d	5	☑	100	104.2	104.2
a cal 6-250ng.d	6	☑	250	251.4	100.6
a QC 250 (QC 3).d	6	☑	250	262.8	105.1
a cal 7-500ng.d	7	☑	500	519.9	104.0
a cal 8-1000ng.d	8	☑	1000	962.2	96.2
a QC 1000 (QC 4).d	8	☑	1000	1107.7	110.8

ISP Forensics
Calibration Curve Report

TS

Batch Data Path	C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1a wklst 2976.batch.bin
Last Calib Update	2/28/2019 9:06 AM

Analyst Name   ISP TOX

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

Citalopram - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs
$y = 0.024537 * x - 0.032882$
$R^2 = 0.99272252$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	☑	5	5.2	104.6
a cal 2-10ng.d	2	☑	10	9.6	96.2
a QC 10 (QC1).d	2	☑	10	10.7	106.8
a cal 3-25ng.d	3	☑	25	22.3	89.1
a cal 4-50ng.d	4	☑	50	47.2	94.5
a cal 5-100ng.d	5	☑	100	96.7	96.7
a QC 100 (QC2).d	5	☑	100	94.0	94.0
a cal 6-250ng.d	6	☑	250	256.5	102.6
a QC 250 (QC 3).d	6	☑	250	245.1	98.0
a cal 7-500ng.d	7	☑	500	515.4	103.1
a cal 8-1000ng.d	8	☑	1000	1132.1	113.2
a QC 1000 (QC 4).d	8	☑	1000	1060.6	106.1

ISP Forensics
Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1a wklst 2976.batch.bin

Last Calib Update 2/28/2019 9:06 AM   **Analyst Name** ISP TOX

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

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

$y = 0.025557 * x + 0.003335$
$R^2 = 0.99918021$
Type:Linear, Origin:Ignore, Weight:1/x

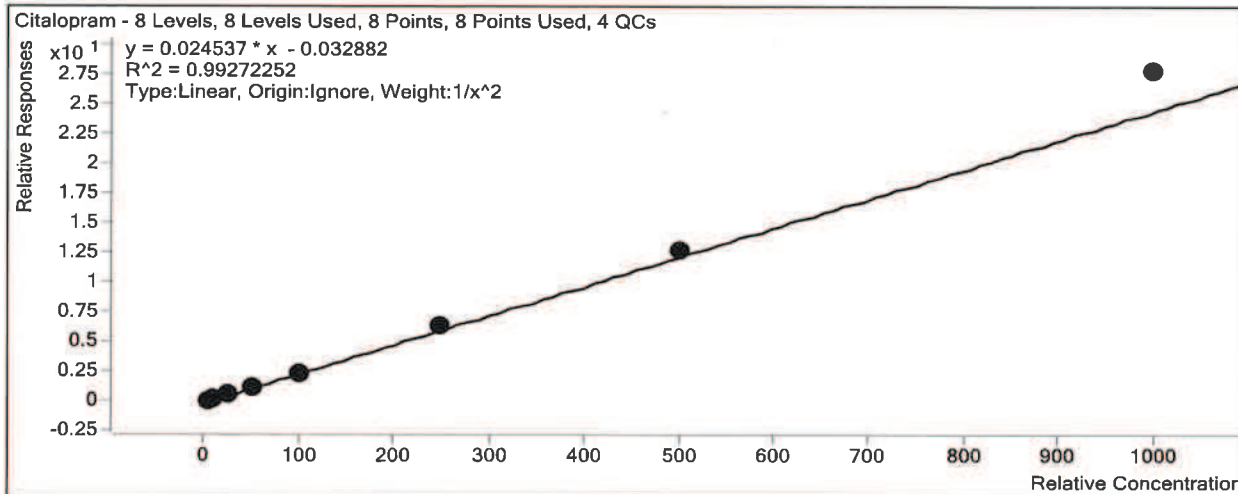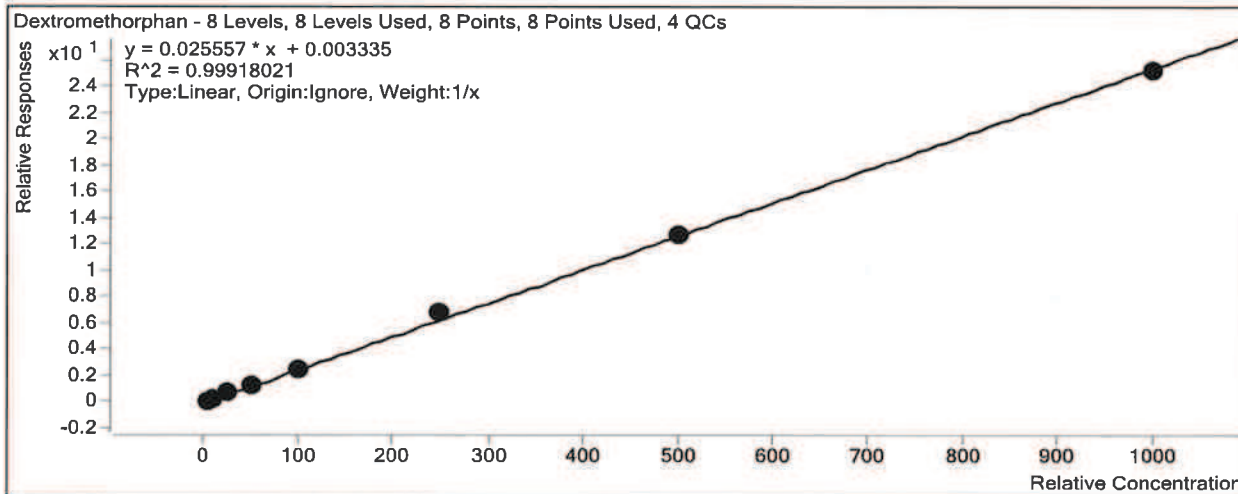| Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	☑	5	4.6	91.4
a cal 2-10ng.d	2	☑	10	10.0	99.6
a QC 10 (QC1).d	2	☑	10	12.1	121.1
a cal 3-25ng.d	3	☑	25	25.8	103.3
a cal 4-50ng.d	4	☑	50	51.7	103.3
a cal 5-100ng.d	5	☑	100	97.6	97.6
a QC 100 (QC2).d	5	☑	100	105.2	105.2
a cal 6-250ng.d	6	☑	250	266.3	106.5
a QC 250 (QC 3).d	6	☑	250	281.4	112.5
a cal 7-500ng.d	7	☑	500	498.4	99.7
a cal 8-1000ng.d	8	☑	1000	985.6	98.6
a QC 1000 (QC 4).d	8	☑	1000	1108.2	110.8

ISP Forensics
Calibration Curve Report

Batch Data Path   C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1a wklst 2976.batch.bin

Last Calib Update   2/28/2019 9:06 AM   **Analyst Name**   ISP TOX

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

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

$y = 0.023329 * x - 0.032037$
$R^2 = 0.99503199$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	☑	5	5.2	104.0
a cal 2-10ng.d	2	☑	10	9.6	96.1
a QC 10 (QC1).d	2	☑	10	10.7	106.7
a cal 3-25ng.d	3	☑	25	23.2	92.7
a cal 4-50ng.d	4	☑	50	47.2	94.4
a cal 5-100ng.d	5	☑	100	94.3	94.3
a QC 100 (QC2).d	5	☑	100	94.6	94.6
a cal 6-250ng.d	6	☑	250	265.9	106.4
a QC 250 (QC 3).d	6	☑	250	247.9	99.2
a cal 7-500ng.d	7	☑	500	531.4	106.3
a cal 8-1000ng.d	8	☑	1000	1058.6	105.9
a QC 1000 (QC 4).d	8	☑	1000	1064.2	106.4

ISP Forensics
Calibration Curve Report

Batch Data Path   C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1a wklst 2976.batch.bin

Last Calib Update   2/28/2019 9:06 AM   **Analyst Name**   ISP TOX

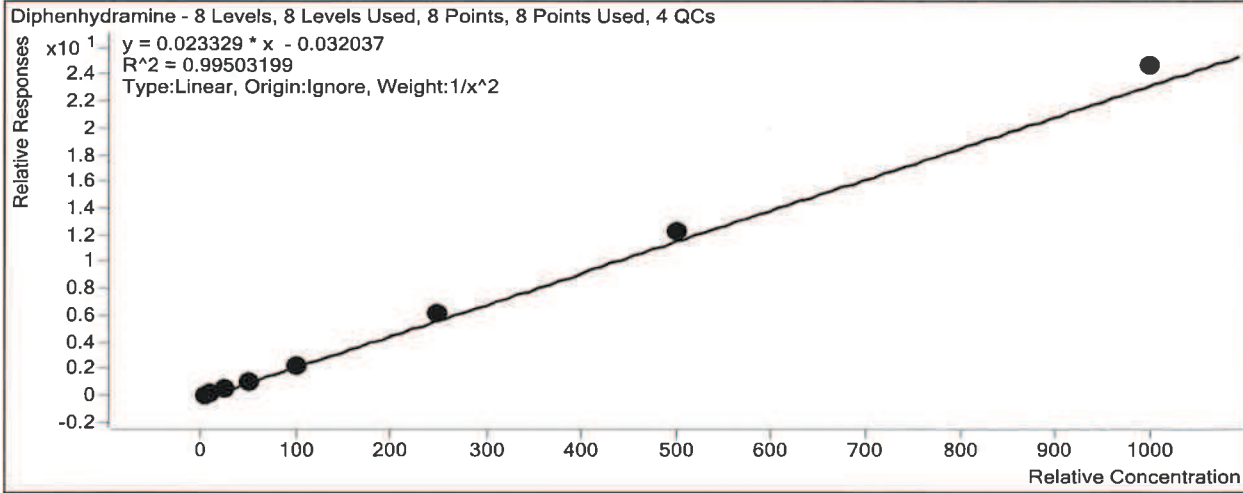### *Target Compound*   *Promethazine*
Internal Standard   *Promethazine-D3*

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

$y = 0.033642 * x - 0.038652$
$R^2 = 0.99626839$
Type:Linear, Origin:Ignore, Weight:$1/x^2$
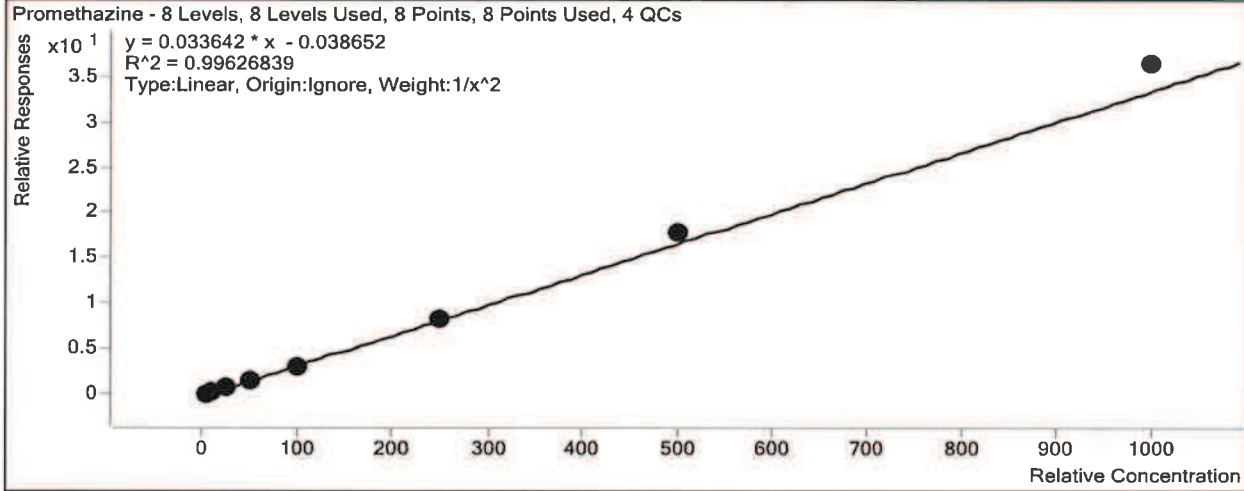
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	☑	5	5.1	102.6
a cal 2-10ng.d	2	☑	10	9.8	98.1
a QC 10 (QC1).d	2	☑	10	10.1	101.2
a cal 3-25ng.d	3	☑	25	23.5	93.9
a cal 4-50ng.d	4	☑	50	48.5	97.0
a cal 5-100ng.d	5	☑	100	95.1	95.1
a QC 100 (QC2).d	5	☑	100	96.3	96.3
a cal 6-250ng.d	6	☑	250	245.4	98.2
a QC 250 (QC 3).d	6	☑	250	253.5	101.4
a cal 7-500ng.d	7	☑	500	534.5	106.9
a cal 8-1000ng.d	8	☑	1000	1081.2	108.1
a QC 1000 (QC 4).d	8	☑	1000	1071.1	107.1

ISP Forensics
Calibration Curve Report

TS

Batch Data Path	C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1a wklst 2976.batch.bin
Last Calib Update	2/28/2019 9:06 AM

Analyst Name   ISP TOX

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

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

$y = 0.122606 * x - 0.085822$
$R^2 = 0.99959335$
Type:Linear, Origin:Ignore, Weight:$1/x^2$
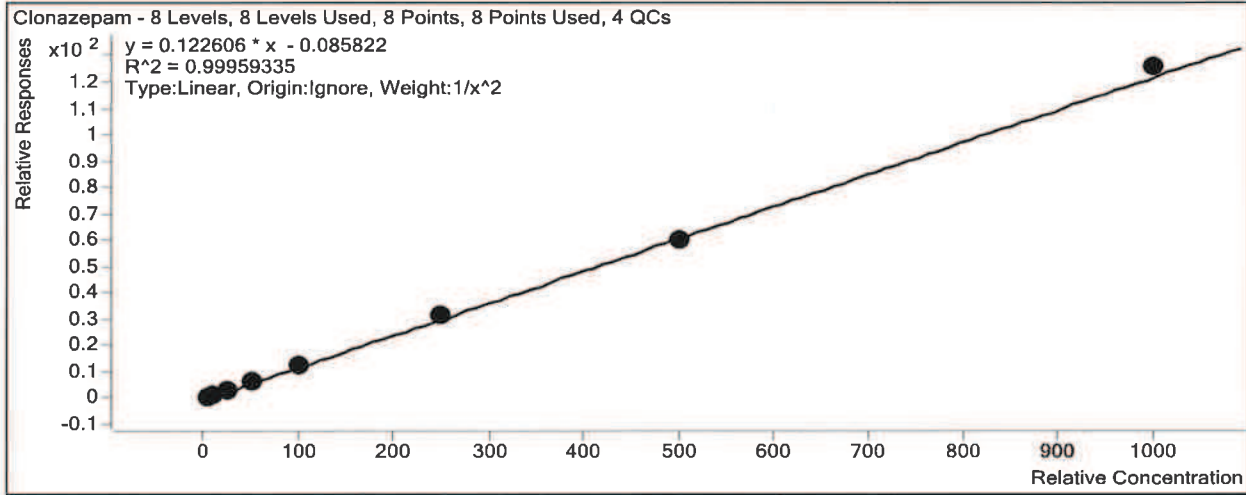
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	☑	5	5.0	100.1
a cal 2-10ng.d	2	☑	10	10.1	100.9
a QC 10 (QC1).d	2	☑	10	10.2	101.7
a cal 3-25ng.d	3	☑	25	24.4	97.7
a cal 4-50ng.d	4	☑	50	49.1	98.3
a cal 5-100ng.d	5	☑	100	99.5	99.5
a QC 100 (QC2).d	5	☑	100	103.2	103.2
a cal 6-250ng.d	6	☑	250	255.0	102.0
a QC 250 (QC 3).d	6	☑	250	247.5	99.0
a cal 7-500ng.d	7	☑	500	494.1	98.8
a cal 8-1000ng.d	8	☑	1000	1026.0	102.6
a QC 1000 (QC 4).d	8	☑	1000	1006.3	100.6

ISP Forensics
Calibration Curve Report

Batch Data Path   C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1a wklst
2976.batch.bin

Last Calib Update   2/28/2019 9:06 AM   **Analyst Name**   ISP TOX

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

a-hydroxyalprazolam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.021898 * x - 0.028754$
$R^2 = 0.98998303$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	☑	5	5.3	106.0
a cal 2-10ng.d	2	☑	10	9.2	92.0
a QC 10 (QC1).d	2	☑	10	10.4	104.3
a cal 3-25ng.d	3	☑	25	23.2	92.8
a cal 4-50ng.d	4	☑	50	47.8	95.6
a cal 5-100ng.d	5	☑	100	96.8	96.8
a QC 100 (QC2).d	5	☑	100	99.9	99.9
a cal 6-250ng.d	6	☑	250	241.5	96.6
a QC 250 (QC 3).d	6	☑	250	257.2	102.9
a cal 7-500ng.d	7	☑	500	509.3	101.9
a cal 8-1000ng.d	8	☑	1000	1183.6	118.4
a QC 1000 (QC 4).d	8	☑	1000	1032.5	103.3

ISP Forensics
Calibration Curve Report

Batch Data Path   C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1a wklst 2976.batch.bin

Last Calib Update   2/28/2019 9:06 AM   **Analyst Name**   ISP TOX

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

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

$y = 0.025793 * x - 0.025641$
$R^2 = 0.99658273$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	☑	5	5.1	102.4
a cal 2-10ng.d	2	☑	10	9.7	97.4
a QC 10 (QC1).d	2	☑	10	10.8	108.3
a cal 3-25ng.d	3	☑	25	23.9	95.5
a cal 4-50ng.d	4	☑	50	49.9	99.7
a cal 5-100ng.d	5	☑	100	95.8	95.8
a QC 100 (QC2).d	5	☑	100	101.0	101.0
a cal 6-250ng.d	6	☑	250	237.0	94.8
a QC 250 (QC 3).d	6	☑	250	259.6	103.8
a cal 7-500ng.d	7	☑	500	539.2	107.8
a cal 8-1000ng.d	8	☑	1000	1064.9	106.5
a QC 1000 (QC 4).d	8	☑	1000	1174.7	117.5

ISP Forensics
Calibration Curve Report

Batch Data Path   C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1a wklst
2976.batch.bin

Last Calib Update   2/28/2019 9:06 AM   **Analyst Name**   ISP TOX

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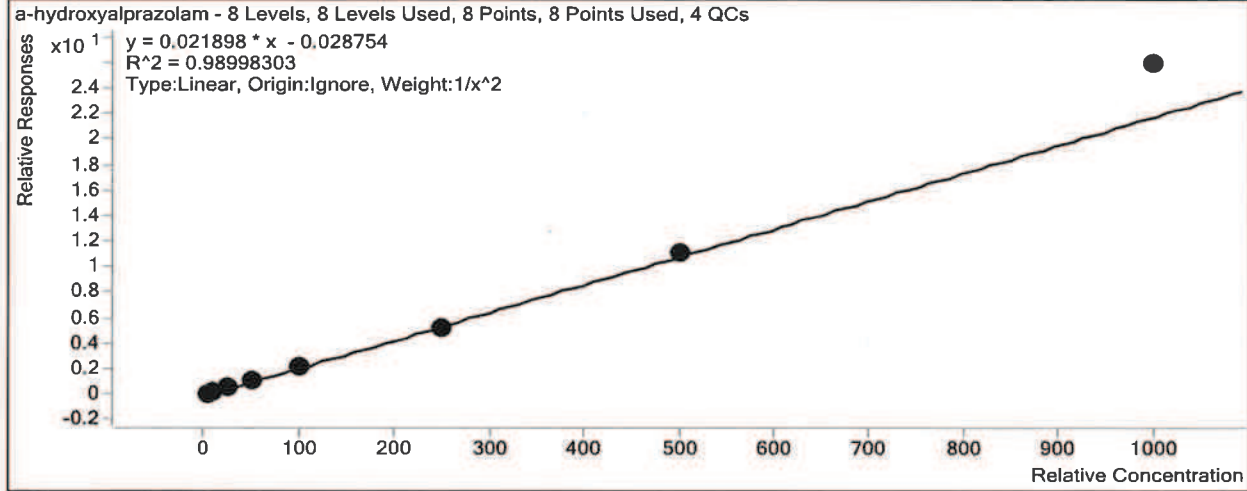*Internal Standard*   *Clonazepam-D4*

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

y = 0.045780 * x + 0.122067
R^2 = 0.98417418
Type:Linear, Origin:Ignore, Weight:1/x
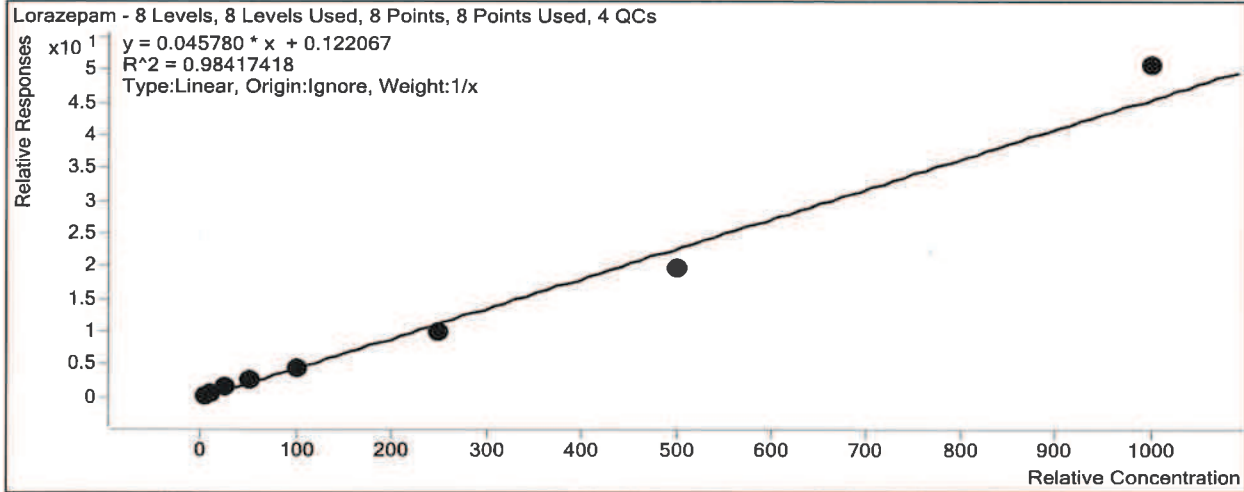
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	☑	5	4.4	87.9
a cal 2-10ng.d	2	☑	10	10.9	108.9
a QC 10 (QC1).d	2	☑	10	11.8	118.5
a cal 3-25ng.d	3	☑	25	29.9	119.5
a cal 4-50ng.d	4	☑	50	53.8	107.6
a cal 5-100ng.d	5	☑	100	94.4	94.4
a QC 100 (QC2).d	5	☑	100	96.8	96.8
a cal 6-250ng.d	6	☑	250	214.6	85.8
a QC 250 (QC 3).d	6	☑	250	193.2	77.3
a cal 7-500ng.d	7	☑	500	426.9	85.4
a cal 8-1000ng.d	8	☑	1000	1105.2	110.5
a QC 1000 (QC 4).d	8	☑	1000	925.5	92.5

ISP Forensics
Calibration Curve Report

Batch Data Path	C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1a wklst 2976.batch.bin
Last Calib Update	2/28/2019 9:06 AM **Analyst Name** ISP TOX

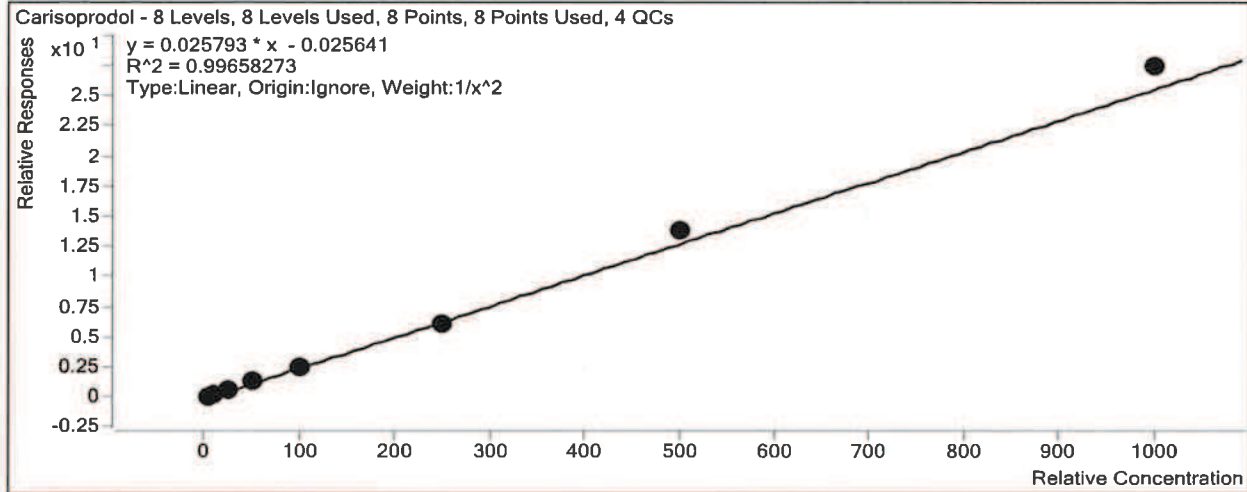### Target Compound   Alprazolam
Internal Standard   Alprazolam-D5

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

$y = 0.033103 * x - 0.040801$
$R^2 = 0.99114881$
Type:Linear, Origin:Ignore, Weight:1/x^2

Relative Responses (x10^1) vs Relative Concentration
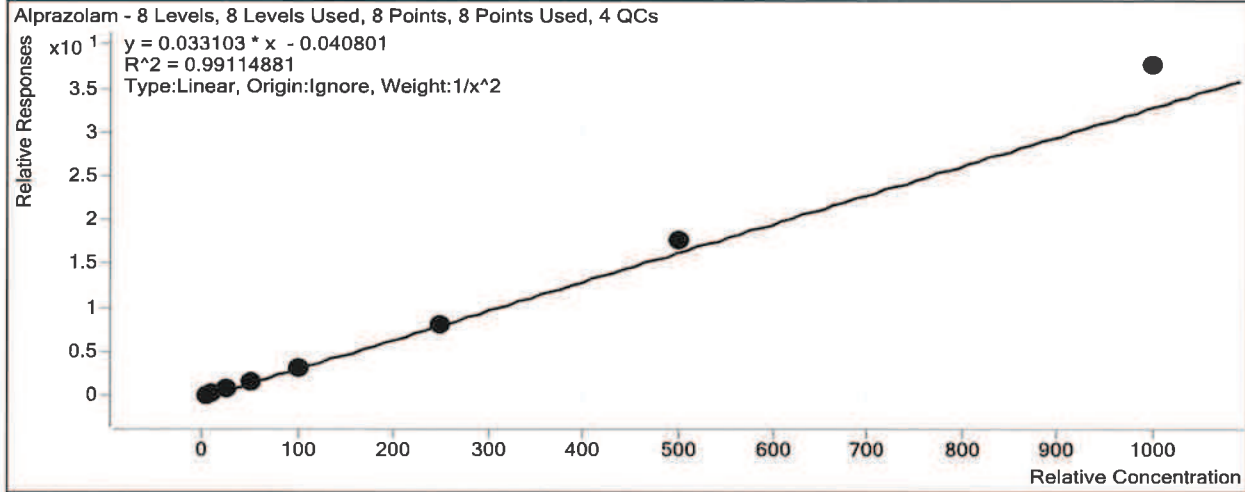
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng.d	1	☑	5	5.3	105.5
a cal 2-10ng.d	2	☑	10	9.4	93.9
a QC 10 (QC1).d	2	☑	10	9.9	99.3
a cal 3-25ng.d	3	☑	25	23.0	92.0
a cal 4-50ng.d	4	☑	50	46.3	92.5
a cal 5-100ng.d	5	☑	100	95.0	95.0
a QC 100 (QC2).d	5	☑	100	92.6	92.6
a cal 6-250ng.d	6	☑	250	247.7	99.1
a QC 250 (QC 3).d	6	☑	250	246.5	98.6
a cal 7-500ng.d	7	☑	500	540.3	108.1
a cal 8-1000ng.d	8	☑	1000	1138.8	113.9
a QC 1000 (QC 4).d	8	☑	1000	1089.4	108.9

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

Batch Data Path	C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1a wklst 2976.batch.bin		
Analysis Time	2/28/2019 9:06 AM	**Analyst Name**	datastor
Report Time	2/28/2019 9:10 AM	**Reporter Name**	datastor
Last Calib Update	2/28/2019 9:06 AM	**Batch State**	Processed

Analysis Info

Acq Time	2019-02-25 20:26	**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

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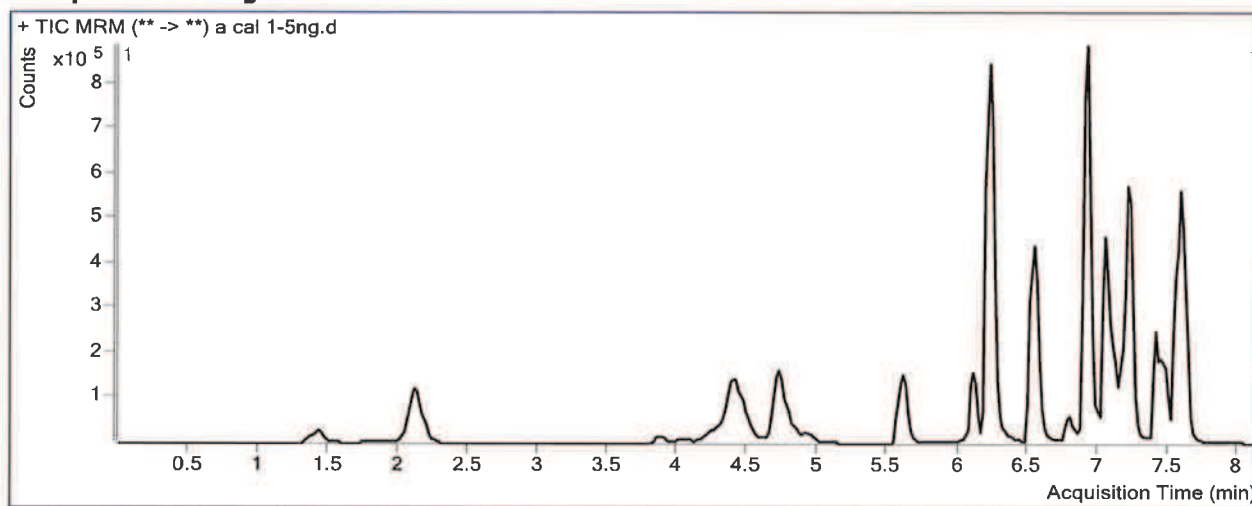
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.450	19854	86935	0.2284	5.3022
Hydromorphone	Hydromorphone-D6	2.111	68940	634226	0.1087	5.2529
Codeine	Codeine-D6	3.918	5436	41531	0.1309	0.0000
Oxycodone	Oxycodone-D6	4.453	93201	773368	0.1205	6.1001
Amphetamine	Amphetamine-D11	4.487	64062	378762	0.1691	4.9454
Hydrocodone	Hydrocodone-D6	4.718	28383	372551	0.0762	5.2002
Norhydrocodone	Norhydrocodone-D3	4.781	1859	97579	0.0191	17.0715
Methamphetamine	Methamphetamine-D11	4.844	94952	493181	0.1925	5.1182
6-MAM	6-MAM-D6	4.932	950	66804	0.0142	0.9874
Phentermine	Phentermine-D5	5.648	32219	654096	0.0493	5.1158
Dextrorphan	Dextrorphan-D3	6.106	28684	546728	0.0525	5.6521
7-aminoclonazepam	7-Aminoclonazepam-D4	6.240	61498	587814	0.1046	5.0283
Tramadol	Tramadol-13C-D3	6.247	212722	2525720	0.0842	4.1430
Metoprolol	Oxycodone-D6	6.346	17326	773368	0.0224	4.8767
Doxylamine	Doxylamine-D5	6.566	105257	1561110	0.0674	6.1919
Bupropion	Bupropion-D9	6.815	23217	174792	0.1328	5.3439
Meprobamate	Meprobamate-D7	6.938	27484	222860	0.1233	5.5120
Zolpidem	Zolpidem-D6	6.946	232952	2937485	0.0793	4.9944
Venlafaxine	Venlafaxine-D6	7.050	172933	1426291	0.1212	5.8333
Trazodone	Trazodone-D6	7.140	79371	570991	0.1390	5.0864

ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report   a cal 1-5ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.183	63006	659848	0.0955	5.2316
Dextromethorphan	Dextromethorphan-D3	7.214	21024	175038	0.1201	4.5693
Diphenhydramine	Diphenhydramine-D3	7.238	114269	1279196	0.0893	5.2024
Promethazine	Promethazine-D3	7.413	89079	664804	0.1340	5.1318
Clonazepam	Clonazepam-D4	7.469	111364	210876	0.5281	5.0073
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.545	19236	220368	0.0873	5.2994
Carisoprodol	Carisoprodol-D7	7.558	78056	733246	0.1065	5.1212
Lorazepam	Clonazepam-D4	7.587	68177	210876	0.3233	4.3957
Alprazolam	Alprazolam-D5	7.612	169843	1268983	0.1338	5.2758

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

Batch Data Path	C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1a wklst 2976.batch.bin		
Analysis Time	2/28/2019 9:06 AM	**Analyst Name**	datastor
Report Time	2/28/2019 9:10 AM	**Reporter Name**	datastor
Last Calib Update	2/28/2019 9:06 AM	**Batch State**	Processed

Analysis Info

Acq Time	2019-02-25 20:57	**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

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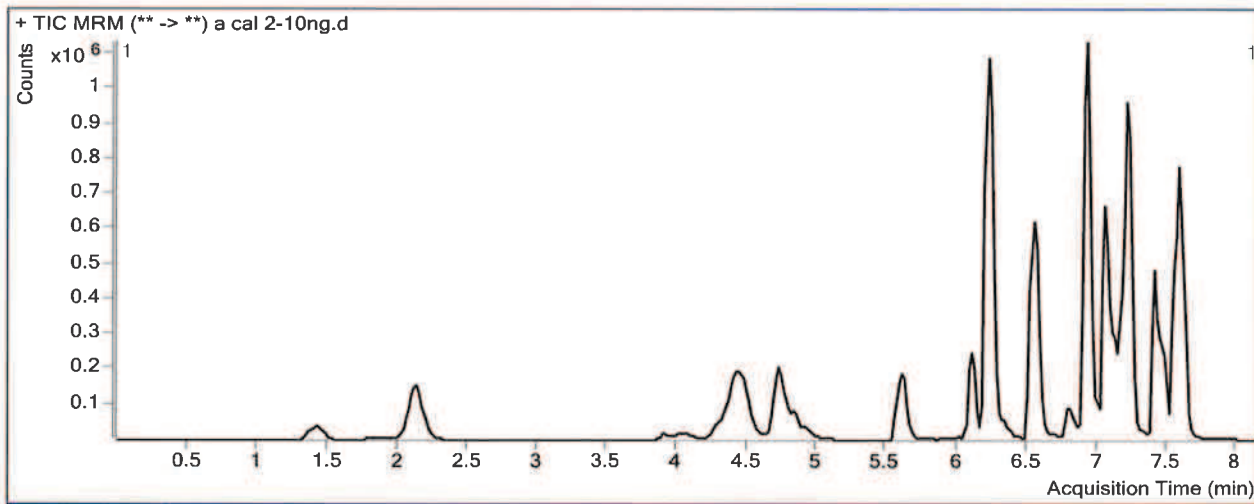
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.430	45959	101874	0.4511	9.1985
Hydromorphone	Hydromorphone-D6	2.152	165740	720266	0.2301	9.4238
Codeine	Codeine-D6	4.057	21884	47207	0.4636	8.3643
Oxycodone	Oxycodone-D6	4.453	200324	774331	0.2587	10.3380
Amphetamine	Amphetamine-D11	4.487	153725	475542	0.3233	9.6732
Hydrocodone	Hydrocodone-D6	4.738	67325	446090	0.1509	9.2731
Norhydrocodone	Norhydrocodone-D3	4.781	5423	124624	0.0435	20.2801
Methamphetamine	Methamphetamine-D11	4.844	229317	564462	0.4063	9.6245
6-MAM	6-MAM-D6	4.952	2974	77293	0.0385	1.7607
Phentermine	Phentermine-D5	5.648	87332	846624	0.1032	9.7238
Dextrorphan	Dextrorphan-D3	6.106	86830	719587	0.1207	10.4651
7-aminoclonazepam	7-Aminoclonazepam-D4	6.240	155502	676854	0.2297	9.9303
Tramadol	Tramadol-13C-D3	6.247	531970	2939762	0.1810	9.7965
Metoprolol	Oxycodone-D6	6.346	46671	774331	0.0603	10.8367
Doxylamine	Doxylamine-D5	6.566	257910	1977428	0.1304	9.8661
Bupropion	Bupropion-D9	6.815	63746	254920	0.2501	9.0114
Meprobamate	Meprobamate-D7	6.938	57898	264006	0.2193	8.9442
Zolpidem	Zolpidem-D6	6.946	573684	3381038	0.1697	9.6802
Venlafaxine	Venlafaxine-D6	7.050	490938	1797216	0.2732	10.6729
Trazodone	Trazodone-D6	7.140	235807	838907	0.2811	9.6241

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

a cal 2-10ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.183	205930	1013127	0.2033	9.6239
Dextromethorphan	Dextromethorphan-D3	7.214	72848	282482	0.2579	9.9603
Diphenhydramine	Diphenhydramine-D3	7.238	354850	1847180	0.1921	9.6079
Promethazine	Promethazine-D3	7.413	326843	1121586	0.2914	9.8111
Clonazepam	Clonazepam-D4	7.469	261102	226712	1.1517	10.0934
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.525	42126	243809	0.1728	9.2034
Carisoprodol	Carisoprodol-D7	7.558	188259	834451	0.2256	9.7408
Lorazepam	Clonazepam-D4	7.567	140666	226712	0.6205	10.8866
Alprazolam	Alprazolam-D5	7.612	380599	1409669	0.2700	9.3888

a cal 2-10ng

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

Batch Data Path	C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1a wklst 2976.batch.bin		
Analysis Time	2/28/2019 9:06 AM	**Analyst Name**	datastor
Report Time	2/28/2019 9:10 AM	**Reporter Name**	datastor
Last Calib Update	2/28/2019 9:06 AM	**Batch State**	Processed

Analysis Info

Acq Time	2019-02-25 21:29	**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

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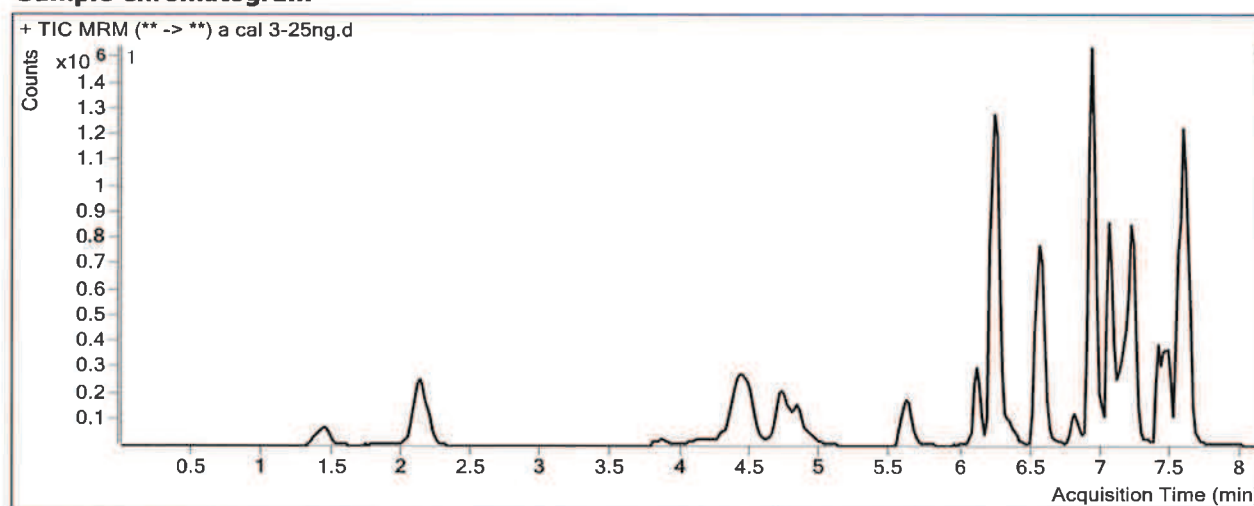
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.450	131086	103880	1.2619	23.3803
Hydromorphone	Hydromorphone-D6	2.152	474506	750144	0.6326	23.2495
Codeine	Codeine-D6	3.858	38320	76178	0.5030	9.5423
Oxycodone	Oxycodone-D6	4.433	571879	878361	0.6511	22.3708
Amphetamine	Amphetamine-D11	4.467	343123	399874	0.8581	26.0787
Hydrocodone	Hydrocodone-D6	4.718	184798	436094	0.4238	24.1412
Norhydrocodone	Norhydrocodone-D3	4.761	13898	119036	0.1168	29.8883
Methamphetamine	Methamphetamine-D11	4.824	561310	522834	1.0736	23.6947
6-MAM	6-MAM-D6	4.952	5698	84045	0.0678	2.6957
Phentermine	Phentermine-D5	5.648	201865	752790	0.2682	23.8311
Dextrorphan	Dextrorphan-D3	6.106	193651	644664	0.3004	23.1481
7-aminoclonazepam	7-Aminoclonazepam-D4	6.240	439132	723671	0.6068	24.7033
Tramadol	Tramadol-13C-D3	6.247	1239683	2858545	0.4337	24.5662
Metoprolol	Oxycodone-D6	6.346	115958	878361	0.1320	22.1284
Doxylamine	Doxylamine-D5	6.566	606775	1715530	0.3537	22.8869
Bupropion	Bupropion-D9	6.815	139617	195979	0.7124	23.4750
Meprobamate	Meprobamate-D7	6.938	171280	269712	0.6350	23.8109
Zolpidem	Zolpidem-D6	6.946	1540380	3554234	0.4334	23.3535
Venlafaxine	Venlafaxine-D6	7.050	1062846	1641600	0.6474	22.5960
Trazodone	Trazodone-D6	7.140	423090	557813	0.7585	24.8707

ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report   a cal 3-25ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.183	334319	650871	0.5136	22.2735
Dextromethorphan	Dextromethorphan-D3	7.214	107126	161454	0.6635	25.8317
Diphenhydramine	Diphenhydramine-D3	7.238	599172	1178169	0.5086	23.1730
Promethazine	Promethazine-D3	7.413	502381	669111	0.7508	23.4669
Clonazepam	Clonazepam-D4	7.469	653551	224654	2.9091	24.4276
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.545	115125	240340	0.4790	23.1877
Carisoprodol	Carisoprodol-D7	7.558	494420	837642	0.5903	23.8779
Lorazepam	Clonazepam-D4	7.587	334597	224654	1.4894	29.8672
Alprazolam	Alprazolam-D5	7.612	1060423	1471175	0.7208	23.0073

a cal 3-25ng

TS

Batch Data Path	C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1a wklst 2976.batch.bin

Analysis Time	2/28/2019 9:06 AM	**Analyst Name**	datastor
Report Time	2/28/2019 9:11 AM	**Reporter Name**	datastor
Last Calib Update	2/28/2019 9:06 AM	**Batch State**	Processed

Analysis Info

Acq Time	2019-02-25 22:00	**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

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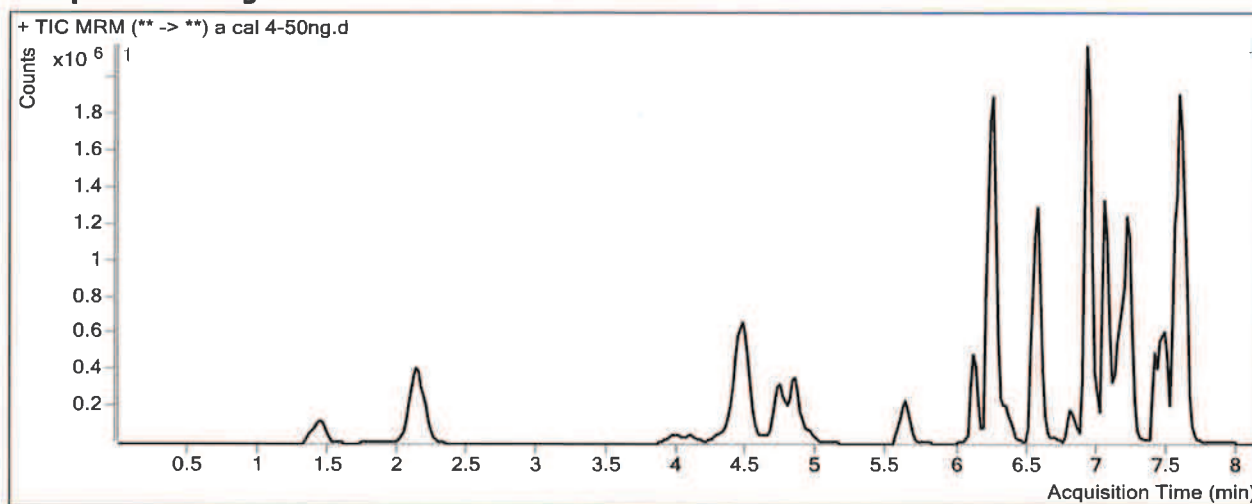
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.450	277625	109034	2.5462	45.8451
Hydromorphone	Hydromorphone-D6	2.152	1014171	789833	1.2840	45.6306
Codeine	Codeine-D6	3.978	60284	34431	1.7509	46.7995
Oxycodone	Oxycodone-D6	4.453	1238196	840853	1.4725	47.5629
Amphetamine	Amphetamine-D11	4.487	829590	432903	1.9163	58.5409
Hydrocodone	Hydrocodone-D6	4.738	428990	465674	0.9212	51.2510
Norhydrocodone	Norhydrocodone-D3	4.781	33238	130575	0.2546	47.9661
Methamphetamine	Methamphetamine-D11	4.844	1300072	534692	2.4314	52.3239
6-MAM	6-MAM-D6	4.952	11980	88681	0.1351	4.8415
Phentermine	Phentermine-D5	5.648	449527	801531	0.5608	48.8545
Dextrorphan	Dextrorphan-D3	6.106	448943	689892	0.6507	47.8723
7-aminoclonazepam	7-Aminoclonazepam-D4	6.240	912286	736727	1.2383	49.4440
Tramadol	Tramadol-13C-D3	6.247	2901182	3158319	0.9186	52.9060
Metoprolol	Oxycodone-D6	6.346	259222	840853	0.3083	49.8706
Doxylamine	Doxylamine-D5	6.566	1425708	1787998	0.7974	48.7619
Bupropion	Bupropion-D9	6.815	264781	186638	1.4187	45.5699
Meprobamate	Meprobamate-D7	6.938	385082	262634	1.4662	53.5335
Zolpidem	Zolpidem-D6	6.946	3242591	3589347	0.9034	47.7224
Venlafaxine	Venlafaxine-D6	7.050	2397951	1763737	1.3596	45.2822
Trazodone	Trazodone-D6	7.160	845167	532482	1.5872	51.3383

TS

a cal 4 - 50ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.183	674108	598615	1.1261	47.2341
Dextromethorphan	Dextromethorphan-D3	7.214	207347	156669	1.3235	51.6556
Diphenhydramine	Diphenhydramine-D3	7.238	1200507	1122758	1.0692	47.2071
Promethazine	Promethazine-D3	7.413	894688	561403	1.5937	48.5203
Clonazepam	Clonazepam-D4	7.469	1360227	229046	5.9387	49.1368
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.525	256234	251582	1.0185	47.8238
Carisoprodol	Carisoprodol-D7	7.558	1056916	838517	1.2605	49.8615
Lorazepam	Clonazepam-D4	7.587	592062	229046	2.5849	53.7971
Alprazolam	Alprazolam-D5	7.612	2206426	1480115	1.4907	46.2656

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

Batch Data Path	C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1a wklst 2976.batch.bin		
Analysis Time	2/28/2019 9:06 AM	**Analyst Name**	datastor
Report Time	2/28/2019 9:11 AM	**Reporter Name**	datastor
Last Calib Update	2/28/2019 9:06 AM	**Batch State**	Processed

Analysis Info

Acq Time	2019-02-25 22:32	**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

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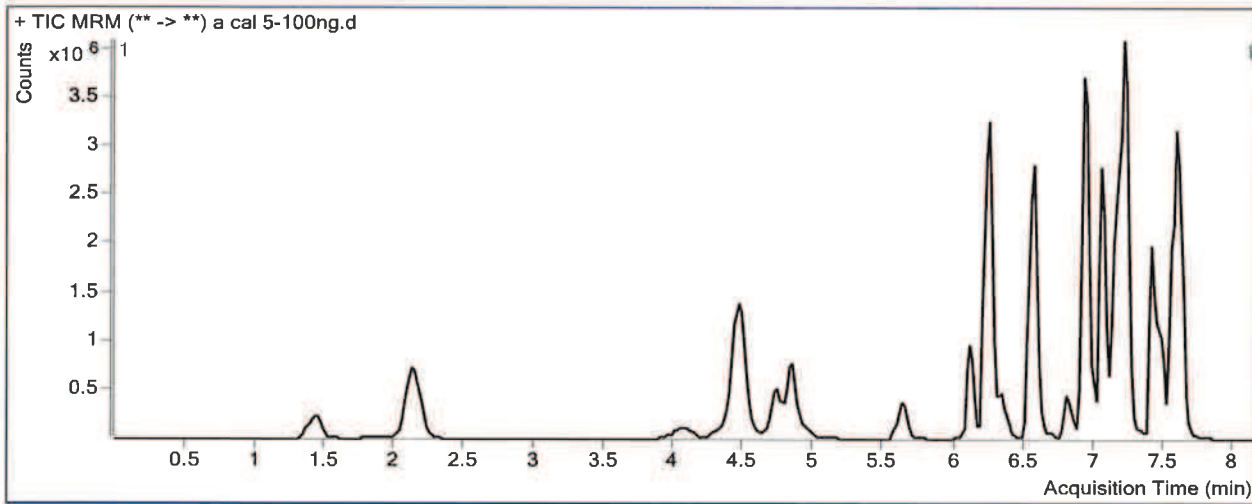
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.450	576590	103634	5.5637	98.6262
Hydromorphone	Hydromorphone-D6	2.152	2206995	782989	2.8187	98.3523
Codeine	Codeine-D6	4.097	285307	27303	10.4498	306.5245
Oxycodone	Oxycodone-D6	4.453	2622148	888854	2.9500	92.8728
Amphetamine	Amphetamine-D11	4.487	1745850	508057	3.4363	105.1663
Hydrocodone	Hydrocodone-D6	4.738	909382	499969	1.8189	100.1688
Norhydrocodone	Norhydrocodone-D3	4.781	71354	127719	0.5587	87.8643
Methamphetamine	Methamphetamine-D11	4.844	2832289	592443	4.7807	101.8559
6-MAM	6-MAM-D6	4.952	26066	96436	0.2703	9.1525
Phentermine	Phentermine-D5	5.648	1083175	917171	1.1810	101.8767
Dextrorphan	Dextrorphan-D3	6.106	1086012	839582	1.2935	93.2323
7-aminoclonazepam	7-Aminoclonazepam-D4	6.240	1780248	698417	2.5490	100.7946
Tramadol	Tramadol-13C-D3	6.247	6152475	3505408	1.7551	101.7971
Metoprolol	Oxycodone-D6	6.346	617886	888854	0.6951	110.7579
Doxylamine	Doxylamine-D5	6.566	3575361	2274804	1.5717	93.9208
Bupropion	Bupropion-D9	6.815	722594	225822	3.1998	101.2904
Meprobamate	Meprobamate-D7	6.938	738784	259301	2.8491	102.9853
Zolpidem	Zolpidem-D6	6.946	7352702	3877863	1.8961	99.1915
Venlafaxine	Venlafaxine-D6	7.050	6185106	2060331	3.0020	97.6034
Trazodone	Trazodone-D6	7.140	3206110	1040168	3.0823	99.0869

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

a cal 5-100ng

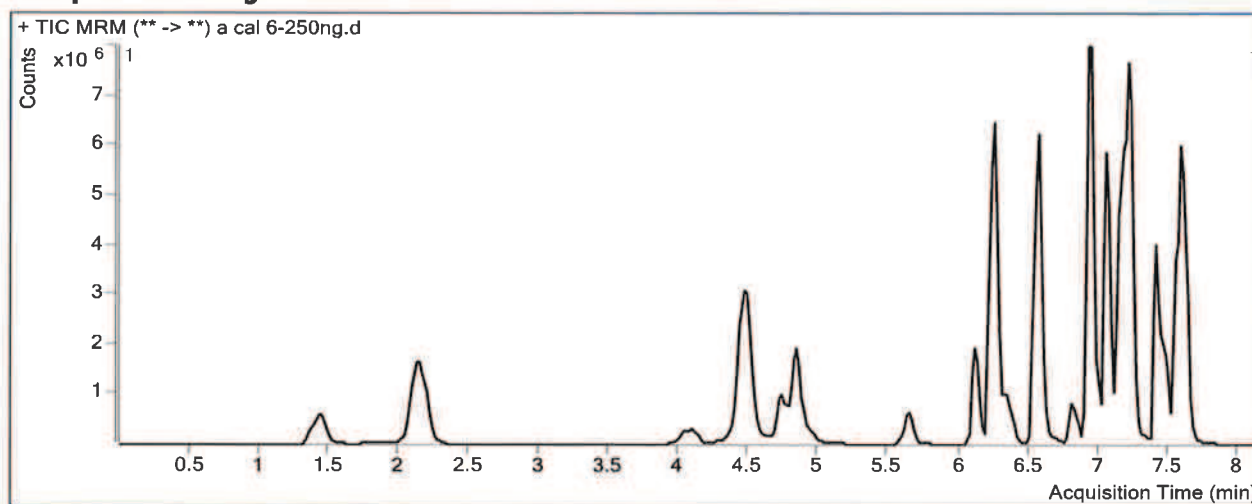| Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.183	2587248	1105685	2.3400	96.7032
Dextromethorphan	Dextromethorphan-D3	7.214	966413	386938	2.4976	97.5974
Diphenhydramine	Diphenhydramine-D3	7.238	4866917	2245635	2.1673	94.2748
Promethazine	Promethazine-D3	7.413	4187643	1324308	3.1621	95.1428
Clonazepam	Clonazepam-D4	7.469	2393219	197491	12.1181	99.5375
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.525	477063	228217	2.0904	96.7738
Carisoprodol	Carisoprodol-D7	7.558	1948648	796852	2.4454	95.8024
Lorazepam	Clonazepam-D4	7.567	877805	197491	4.4448	94.4232
Alprazolam	Alprazolam-D5	7.612	4434726	1428839	3.1037	94.9934

Batch Data Path	C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1a wklst 2976.batch.bin		
Analysis Time	2/28/2019 9:06 AM	**Analyst Name**	datastor
Report Time	2/28/2019 9:11 AM	**Reporter Name**	datastor
Last Calib Update	2/28/2019 9:06 AM	**Batch State**	Processed

Analysis Info

Acq Time	2019-02-25 23:03	**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

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

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.450	1573076	109884	14.3158	251.7153
Hydromorphone	Hydromorphone-D6	2.152	5782289	771351	7.4963	259.0492
Codeine	Codeine-D6	4.097	727355	59182	12.2902	361.4739
Oxycodone	Oxycodone-D6	4.453	6608051	865051	7.6389	236.6668
Amphetamine	Amphetamine-D11	4.487	4038342	476852	8.4688	259.5361
Hydrocodone	Hydrocodone-D6	4.738	2250148	486763	4.6227	252.9631
Norhydrocodone	Norhydrocodone-D3	4.781	202754	120515	1.6824	235.2834
Methamphetamine	Methamphetamine-D11	4.844	6979089	594907	11.7314	248.4059
6-MAM	6-MAM-D6	4.952	71192	92906	0.7663	24.9678
Phentermine	Phentermine-D5	5.648	2465815	791856	3.1140	267.1413
Dextrorphan	Dextrorphan-D3	6.106	2576920	745628	3.4560	245.8402
7-aminoclonazepam	7-Aminoclonazepam-D4	6.240	4308269	654509	6.5824	258.8199
Tramadol	Tramadol-13C-D3	6.247	16249521	3437112	4.7277	275.5220
Metoprolol	Oxycodone-D6	6.346	1437379	865051	1.6616	262.8666
Doxylamine	Doxylamine-D5	6.566	8393560	2163428	3.8797	228.5222
Bupropion	Bupropion-D9	6.815	1574378	195998	8.0326	252.4757
Meprobamate	Meprobamate-D7	6.938	1536127	227178	6.7618	242.8987
Zolpidem	Zolpidem-D6	6.946	19898362	3709716	5.3639	278.9917
Venlafaxine	Venlafaxine-D6	7.050	14776835	2004241	7.3728	236.8407
Trazodone	Trazodone-D6	7.140	7374061	939020	7.8529	251.4473

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

a cal 6-250ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.183	5967917	953378	6.2598	256.4523
Dextromethorphan	Dextromethorphan-D3	7.214	2083528	305984	6.8093	266.3081
Diphenhydramine	Diphenhydramine-D3	7.238	10892244	1764961	6.1714	265.9125
Promethazine	Promethazine-D3	7.413	9523640	1158864	8.2181	245.4299
Clonazepam	Clonazepam-D4	7.469	4299970	137925	31.1762	254.9788
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.525	961448	182828	5.2588	241.4617
Carisoprodol	Carisoprodol-D7	7.558	4022689	660748	6.0881	237.0262
Lorazepam	Clonazepam-D4	7.567	1371981	137925	9.9473	214.6178
Alprazolam	Alprazolam-D5	7.612	9985193	1223766	8.1594	247.7208

a cal 6-250ng

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

Batch Data Path	C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1a wklst 2976.batch.bin		
Analysis Time	2/28/2019 9:06 AM	**Analyst Name**	datastor
Report Time	2/28/2019 9:11 AM	**Reporter Name**	datastor
Last Calib Update	2/28/2019 9:06 AM	**Batch State**	Processed

Analysis Info

Acq Time	2019-02-25 23:35	**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

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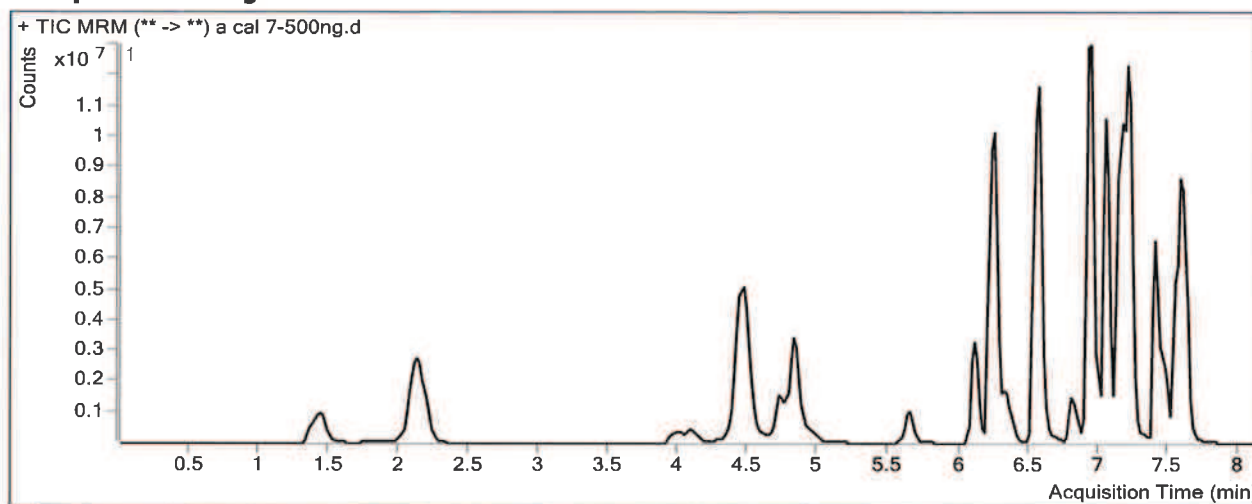
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.430	2716292	85279	31.8517	558.4494
Hydromorphone	Hydromorphone-D6	2.131	10119218	650440	15.5575	535.9855
Codeine	Codeine-D6	3.997	576221	38647	14.9098	439.6902
Oxycodone	Oxycodone-D6	4.433	11839155	728759	16.2456	500.6089
Amphetamine	Amphetamine-D11	4.467	6228186	423466	14.7076	450.9134
Hydrocodone	Hydrocodone-D6	4.718	3963652	416326	9.5206	519.8746
Norhydrocodone	Norhydrocodone-D3	4.781	367189	98955	3.7107	501.3711
Methamphetamine	Methamphetamine-D11	4.824	12852473	534504	24.0456	508.0416
6-MAM	6-MAM-D6	4.932	135165	81983	1.6487	53.1047
Phentermine	Phentermine-D5	5.648	4311646	731426	5.8949	504.8997
Dextrorphan	Dextrorphan-D3	6.106	4769668	662243	7.2023	510.2112
7-aminoclonazepam	7-Aminoclonazepam-D4	6.240	6360972	470766	13.5120	530.3084
Tramadol	Tramadol-13C-D3	6.247	30114055	3140315	9.5895	559.6647
Metoprolol	Oxycodone-D6	6.346	2380429	728759	3.2664	515.4415
Doxylamine	Doxylamine-D5	6.566	17046209	1992642	8.5546	501.1527
Bupropion	Bupropion-D9	6.815	2746500	169738	16.1808	507.3777
Meprobamate	Meprobamate-D7	6.938	2288709	172228	13.2888	476.3028
Zolpidem	Zolpidem-D6	6.946	34954975	3238224	10.7945	560.5636
Venlafaxine	Venlafaxine-D6	7.050	27912466	1743387	16.0105	512.0064
Trazodone	Trazodone-D6	7.140	13266671	815949	16.2592	519.9196

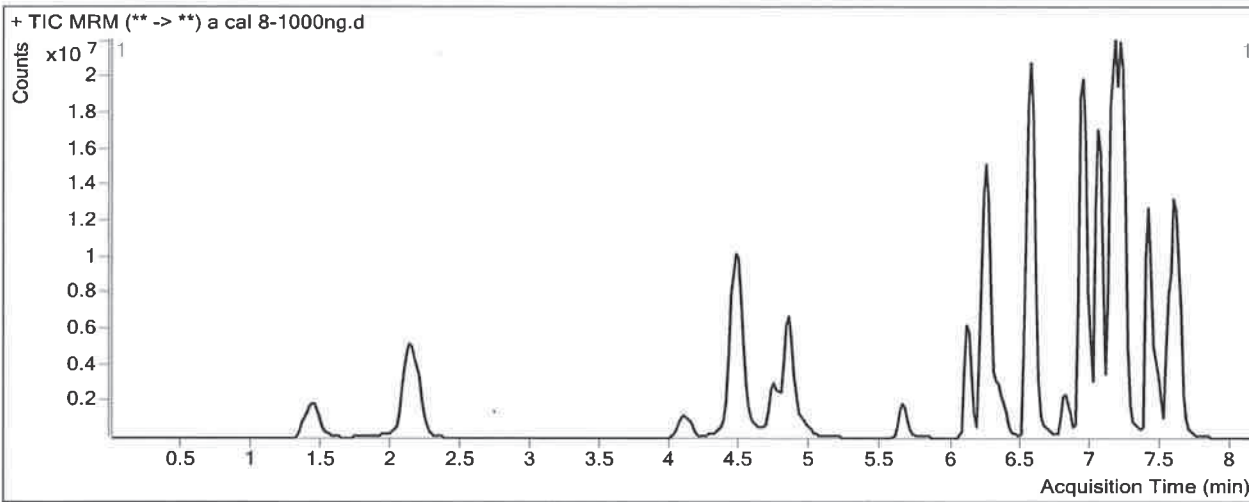| Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.183	9618230	762552	12.6132	515.3828
Dextromethorphan	Dextromethorphan-D3	7.214	3521183	276350	12.7418	498.4398
Diphenhydramine	Diphenhydramine-D3	7.238	18748332	1516396	12.3637	531.3511
Promethazine	Promethazine-D3	7.413	16829304	937892	17.9438	534.5236
Clonazepam	Clonazepam-D4	7.469	5732093	94764	60.4884	494.0547
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.525	1425888	128185	11.1237	509.2929
Carisoprodol	Carisoprodol-D7	7.558	6417954	462340	13.8814	539.1709
Lorazepam	Clonazepam-D4	7.567	1863376	94764	19.6634	426.8523
Alprazolam	Alprazolam-D5	7.612	15784273	884464	17.8462	540.3491

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

TS

Batch Data Path	C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1a wklst 2976.batch.bin		
Analysis Time	2/28/2019 9:06 AM	**Analyst Name**	datastor
Report Time	2/28/2019 9:11 AM	**Reporter Name**	datastor
Last Calib Update	2/28/2019 9:06 AM	**Batch State**	Processed

Analysis Info

Acq Time	2019-02-26 00:06	**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

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

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.430	5361450	88785	60.3869	1057.5780
Hydromorphone	Hydromorphone-D6	2.152	19670597	630823	31.1824	1072.7695
Codeine	Codeine-D6	4.097	2253322	86849	25.9452	769.1743
Oxycodone	Oxycodone-D6	4.453	25313032	760252	33.2956	1023.4797
Amphetamine	Amphetamine-D11	4.487	11829640	432895	27.3268	838.0059
Hydrocodone	Hydrocodone-D6	4.738	7823472	431682	18.1232	988.6792
Norhydrocodone	Norhydrocodone-D3	4.781	603858	78586	7.6840	1022.6268
Methamphetamine	Methamphetamine-D11	4.844	25592151	544872	46.9691	991.3641
6-MAM	6-MAM-D6	4.952	274398	90012	3.0484	97.7379
Phentermine	Phentermine-D5	5.648	8409162	736576	11.4166	976.9920
Dextrorphan	Dextrorphan-D3	6.106	9486172	668344	14.1935	1003.5786
7-aminoclonazepam	7-Aminoclonazepam-D4	6.240	8983259	382753	23.4701	920.4540
Tramadol	Tramadol-13C-D3	6.247	52859498	3385958	15.6114	911.6046
Metoprolol	Oxycodone-D6	6.346	4188809	760252	5.5098	868.5157
Doxylamine	Doxylamine-D5	6.566	37594591	2136002	17.6004	1028.6975
Bupropion	Bupropion-D9	6.836	4874464	133655	36.4706	1142.1088
Meprobamate	Meprobamate-D7	6.938	3778701	131840	28.6613	1026.0126
Zolpidem	Zolpidem-D6	6.946	55101717	3123653	17.6402	915.5027
Venlafaxine	Venlafaxine-D6	7.050	53308852	1686095	31.6168	1009.1651
Trazodone	Trazodone-D6	7.140	28652598	951661	30.1080	962.2110

_TS_

a cal 8-1000ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Citalopram	Citalopram-D6	7.183	18253592	657905	27.7450	1132.0703
Dextromethorphan	Dextromethorphan-D3	7.214	6587771	261493	25.1929	985.6378
Diphenhydramine	Diphenhydramine-D3	7.238	37373054	1515341	24.6631	1058.5706
Promethazine	Promethazine-D3	7.413	33982317	935209	36.3366	1081.2479
Clonazepam	Clonazepam-D4	7.469	7296299	58044	125.7037	1025.9634
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.525	2261316	87342	25.8904	1183.6340
Carisoprodol	Carisoprodol-D7	7.558	9456290	344607	27.4408	1064.8614
Lorazepam	Clonazepam-D4	7.567	2943767	58044	50.7165	1105.1600
Alprazolam	Alprazolam-D5	7.612	25702220	682518	37.6580	1138.8462

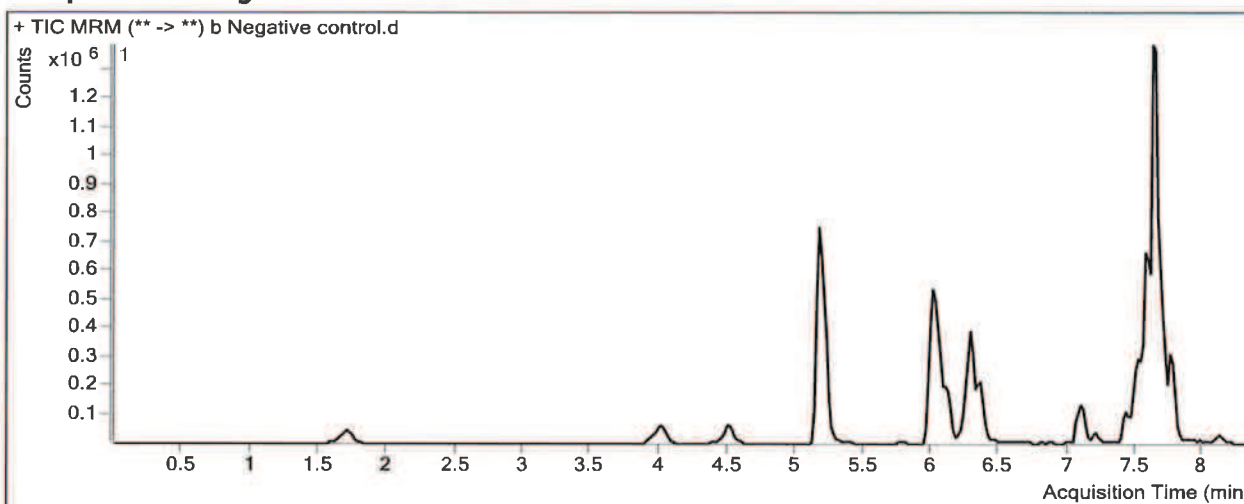# ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1b wklst 2976.batch.bin		
Analysis Time	2/28/2019 9:22 AM	**Analyst Name**	datastor
Report Time	2/28/2019 9:26 AM	**Reporter Name**	datastor
Last Calib Update	2/28/2019 9:22 AM	**Batch State**	Processed

Analysis Info

Acq Time	2019-02-26 02:28	**Data File**	b Negative control.d
Sample Type	Sample	**Sample Name**	b Negative control.d
Dilution	1	**Acq Method**	MD Quant Panel 1b 7-11-18.m
Position	P1-D11	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28

Sample Chromatogram

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

Batch Data Path	C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1b wklst 2976.batch.bin		
Analysis Time	2/28/2019 9:22 AM	**Analyst Name**	datastor
Report Time	2/28/2019 9:26 AM	**Reporter Name**	datastor
Last Calib Update	2/28/2019 9:22 AM	**Batch State**	Processed

Analysis Info

Acq Time	2019-02-26 03:00	**Data File**	b External control-50ng mL.d
Sample Type	Sample	**Sample Name**	b External control-50ng mL.d
Dilution	1	**Acq Method**	MD Quant Panel 1b 7-11-18.m
Position	P1-C11	**Sample Info**	
Inj Vol	-1	**Comment**	AM 28; WS121218 50 ng Fluoxetine, O-desmethyl Tramadol, Amphetamin

Sample Chromatogram

+ TIC MRM (** -> **) b External control-50ng mL.d
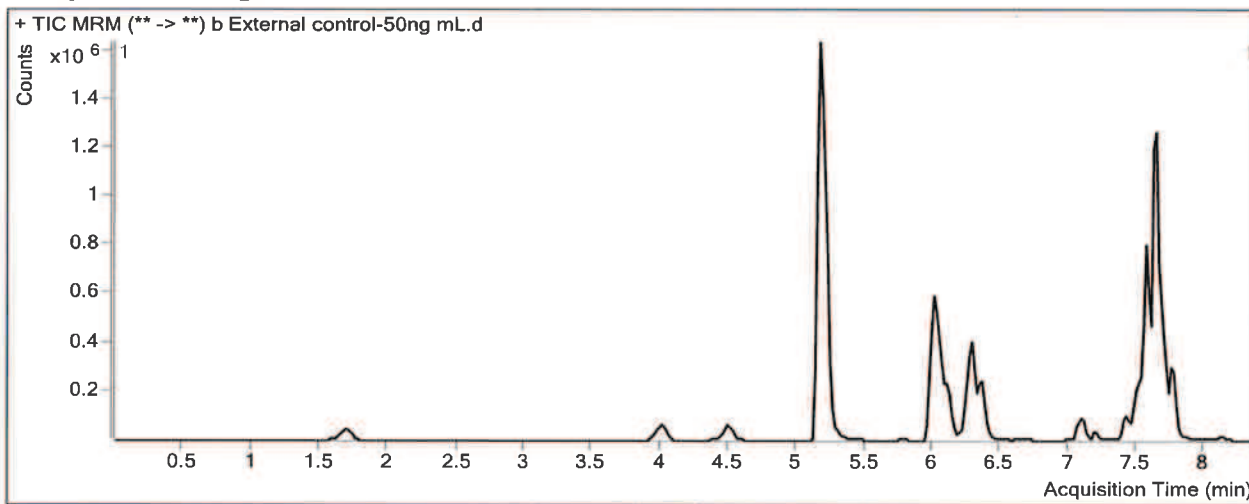
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.181	3552022	3263191	1.0885	49.8815
Fluoxetine	Fluoxetine-D6	7.542	736623	584030	1.2613	47.5879

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

Batch Data Path	C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1b wklst 2976.batch.bin		
Analysis Time	2/28/2019 9:22 AM	**Analyst Name**	datastor
Report Time	2/28/2019 9:26 AM	**Reporter Name**	datastor
Last Calib Update	2/28/2019 9:22 AM	**Batch State**	Processed

Analysis Info

Acq Time	2019-02-26 04:02	**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

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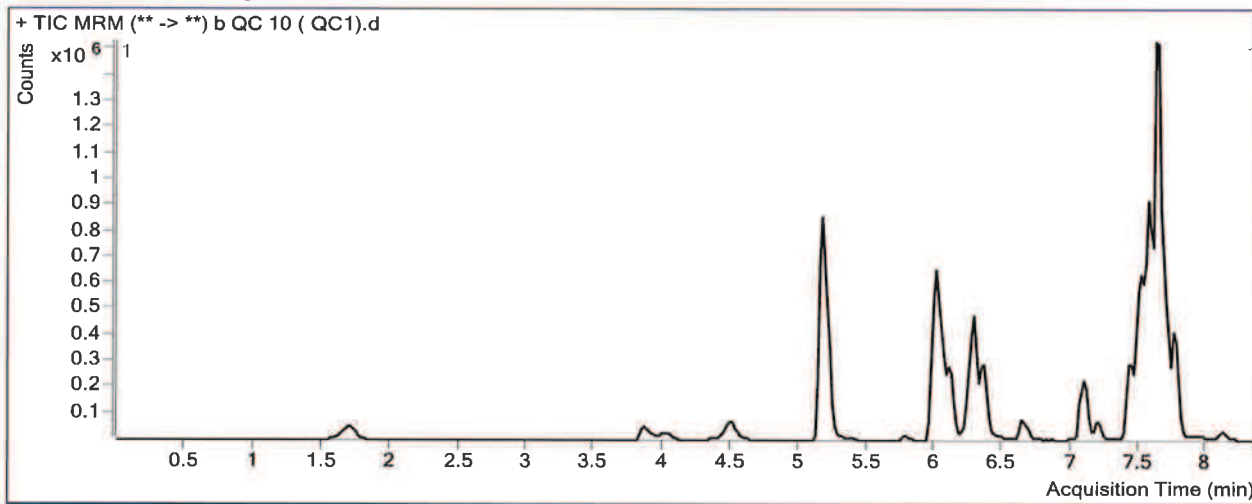
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc	
Oxymorphone	Oxymorphone-D3	1.708	76557	325124	0.2355	8.9984	
Dihydrocodeine	Dihydrocodeine-D6	4.051	28006	226329	0.1237	5.9655	*Not evaluated. TS*
Noroxycodone	Noroxycodone-D3	4.533	96470	346602	0.2783	10.3324	
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.181	621152	3033311	0.2048	10.1604	
Benzoylecgonine	Benzoylecgonine-d8	5.811	11458	29956	0.3825	13.6144	
Ketamine	Ketamine-D4	6.022	303568	1249898	0.2429	10.0745	
Norfentanyl	Norfentanyl-D5	6.064	26710	1503716	0.0178	1.0497	
Cocaine	Cocaine-d3	6.272	105699	1497439	0.0706	9.4074	
alpha-PVP	alpha-PVP-d8	6.368	143414	823063	0.1742	10.4051	
Mirtazapine	alpha-PVP-d8	6.644	164995	823063	0.2005	19.0350	*Outside curve range. TS*
Norbuprenorphine	Norbuprenorphine-D3	6.994	518	29800	0.0174	1.8542	Outside curve range. *TS*
Fentanyl	Fentanyl-D5	7.099	15037	810612	0.0186	1.6089	
Mitragynine	Methadone-D9	7.176	51565	1309621	0.0394	9.0620	
EDDP	EDDP-D3	7.209	22950	140551	0.1633	8.5996	
Quetiapine	Quetiapine-D8	7.438	410264	411587	0.9968	11.0724	
Cyclobenzaprine	Cyclobenzaprine-D3	7.472	103384	324194	0.3189	12.2616	
Methadone	Methadone-D9	7.502	464259	1309621	0.3545	11.5950	
Fluoxetine	Fluoxetine-D6	7.542	353596	1325023	0.2669	10.8427	
Oxazepam	Oxazepam-D5	7.588	213757	1301375	0.1643	10.4921	

ISP FORENSICS - Pocatello Instrument # 59740
Multi-Drug Confirmatory Analysis Report b QC 10 (QC1)

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.604	100819	638174	0.1580	9.0031
Temazepam	Temazepam-D5	7.647	654986	3487047	0.1878	9.6446
Buprenorphine	Buprenorphine-D4	7.677	10142	275018	0.0369	1.1583
Nordiazepam	Nordiazepam-D5	7.715	276366	747027	0.3700	10.4741
Diazepam	Diazepam-D5	7.771	168351	749989	0.2245	10.5841

b QC 10 (QC1)

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

TS

Batch Data Path	C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1b wklst 2976.batch.bin		
Analysis Time	2/28/2019 9:22 AM	**Analyst Name**	datastor
Report Time	2/28/2019 9:26 AM	**Reporter Name**	datastor
Last Calib Update	2/28/2019 9:22 AM	**Batch State**	Processed

Analysis Info

Acq Time	2019-02-26 06:24	**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

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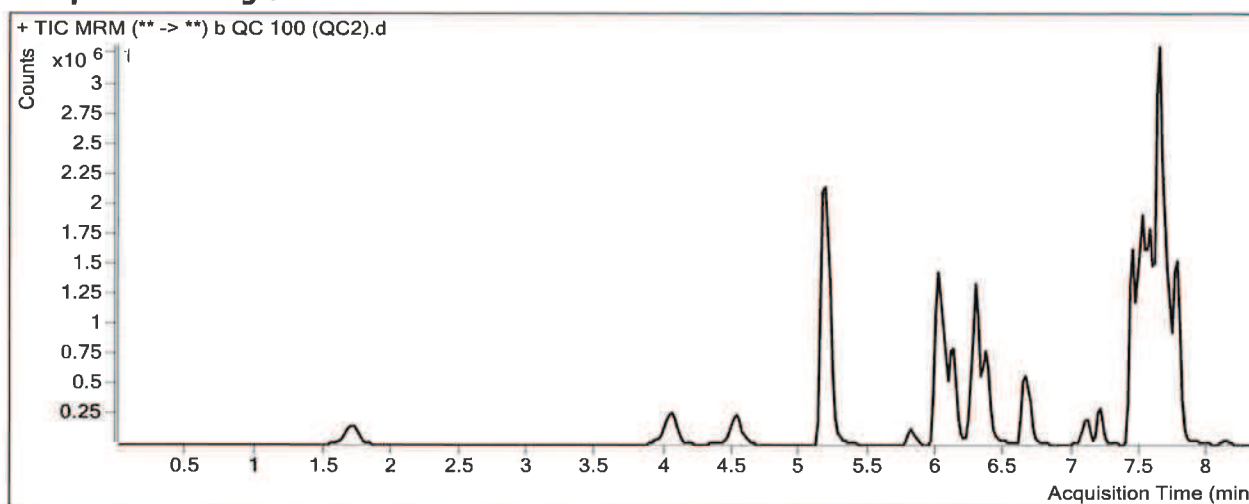
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.708	830896	299847	2.7711	92.8200
~~Dihydrocodeine~~	~~Dihydrocodeine-D6~~	~~4.051~~	~~701607~~	~~343407~~	~~2.0431~~	~~103.7866~~ *Not evaluated. TS*
Noroxycodone	Noroxycodone-D3	4.533	934719	313715	2.9795	97.8223
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.201	6376205	2914977	2.1874	99.2728
Benzoylecgonine	Benzoylecgonine-d8	5.811	147208	28294	5.2027	164.3040
Ketamine	Ketamine-D4	6.022	3151019	1181304	2.6674	100.9668
Norfentanyl	Norfentanyl-D5	6.064	282691	1378862	0.2050	8.8275
Cocaine	Cocaine-d3	6.272	1110394	1415594	0.7844	94.5109
alpha-PVP	alpha-PVP-d8	6.368	1295324	743990	1.7410	93.4396
Mirtazapine	alpha-PVP-d8	6.664	1325523	743990	1.7816	92.3545
Norbuprenorphine	Norbuprenorphine-D3	7.014	3939	25164	0.1565	8.6326
Fentanyl	Fentanyl-D5	7.099	92133	610330	0.1510	8.6140
Mitragynine	Methadone-D9	7.176	452864	1024080	0.4422	98.2177
EDDP	EDDP-D3	7.209	240548	112046	2.1469	96.1636
Quetiapine	Quetiapine-D8	7.438	3463999	365207	9.4850	99.3247
Cyclobenzaprine	Cyclobenzaprine-D3	7.472	777389	272122	2.8568	100.9488
Methadone	Methadone-D9	7.502	3406133	1024080	3.3260	100.1548
Fluoxetine	Fluoxetine-D6	7.562	2642372	933009	2.8321	105.6320
Oxazepam	Oxazepam-D5	7.588	1061276	665554	1.5946	89.9086

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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.604	761426	435672	1.7477	94.9541
Temazepam	Temazepam-D5	7.647	5461303	2662844	2.0509	93.5946
Buprenorphine	Buprenorphine-D4	7.697	76727	206959	0.3707	9.3750
Nordiazepam	Nordiazepam-D5	7.715	2259955	604506	3.7385	98.3167
Diazepam	Diazepam-D5	7.771	1684300	685577	2.4568	91.8570

b QC 100 (QC2)

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

Batch Data Path	C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1b wklst 2976.batch.bin		
Analysis Time	2/28/2019 9:22 AM	**Analyst Name**	datastor
Report Time	2/28/2019 9:27 AM	**Reporter Name**	datastor
Last Calib Update	2/28/2019 9:22 AM	**Batch State**	Processed

Analysis Info

Acq Time	2019-02-26 09:48	**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

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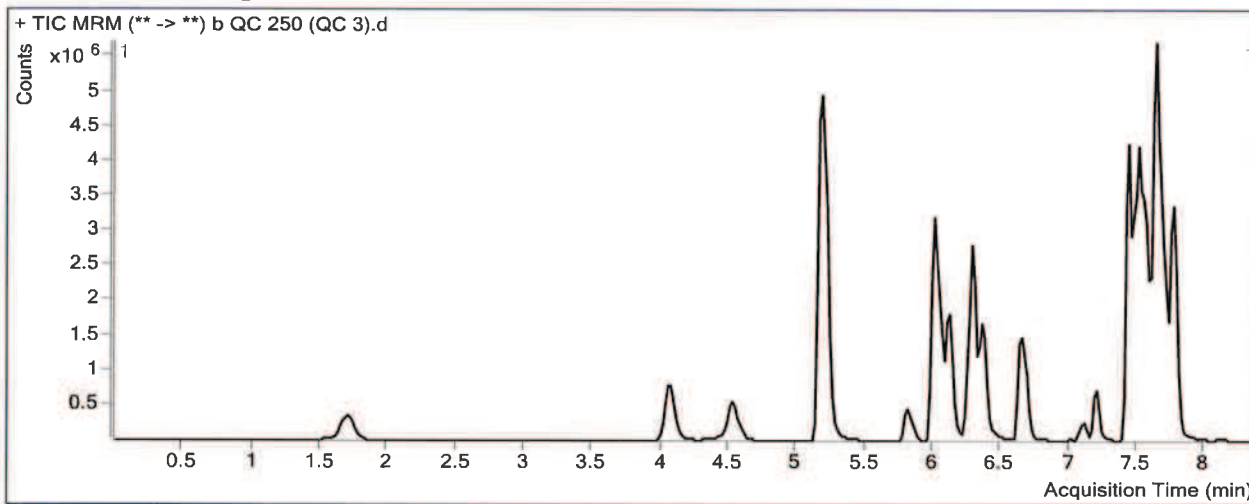
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc	
Oxymorphone	Oxymorphone-D3	1.708	2141253	289177	7.4046	245.9967	
Dihydrocodeine	Dihydrocodeine-D6	4.071	1883814	369477	5.0986	259.5144	*Not evaluated. TS*
Noroxycodone	Noroxycodone-D3	4.533	2237443	283092	7.9036	257.3099	
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.201	17739251	3017098	5.8796	265.2246	
Benzoylecgonine	Benzoylecgonine-d8	5.811	579323	31892	18.1651	569.5316	*outside curve range. TS*
Ketamine	Ketamine-D4	6.022	8882618	1276526	6.9584	261.8314	
Norfentanyl	Norfentanyl-D5	6.064	784198	1393899	0.5626	23.6797	
Cocaine	Cocaine-d3	6.272	2901249	1380679	2.1013	251.5183	
alpha-PVP	alpha-PVP-d8	6.368	3289028	735814	4.4699	238.0590	
Mirtazapine	alpha-PVP-d8	6.664	3438186	735814	4.6726	226.4104	
Norbuprenorphine	Norbuprenorphine-D3	7.014	10033	23093	0.4344	22.1693	
Fentanyl	Fentanyl-D5	7.099	261071	560163	0.4661	25.2851	
Mitragynine	Methadone-D9	7.196	1085965	963040	1.1276	249.9144	
EDDP	EDDP-D3	7.209	687747	122919	5.5951	248.3848	
Quetiapine	Quetiapine-D8	7.438	9059077	362408	24.9969	260.6022	
Cyclobenzaprine	Cyclobenzaprine-D3	7.472	1923995	255768	7.5224	263.9922	
Methadone	Methadone-D9	7.502	8390919	963040	8.7129	260.6989	
Fluoxetine	Fluoxetine-D6	7.562	6245573	879218	7.1036	263.4689	
Oxazepam	Oxazepam-D5	7.588	1469844	364365	4.0340	225.3534	

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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.604	1705496	350917	4.8601	263.2310
Temazepam	Temazepam-D5	7.647	11374722	2110719	5.3890	244.0073
Buprenorphine	Buprenorphine-D4	7.697	185231	187499	0.9879	24.5643
Nordiazepam	Nordiazepam-D5	7.715	4528558	471920	9.5960	251.0641
Diazepam	Diazepam-D5	7.771	4252477	656501	6.4775	238.2430

b QC 250 (QC 3)

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

Batch Data Path	C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1b wklst 2976.batch.bin		
Analysis Time	2/28/2019 9:22 AM	**Analyst Name**	datastor
Report Time	2/28/2019 9:27 AM	**Reporter Name**	datastor
Last Calib Update	2/28/2019 9:22 AM	**Batch State**	Processed

Analysis Info

Acq Time	2019-02-26 12:56	**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

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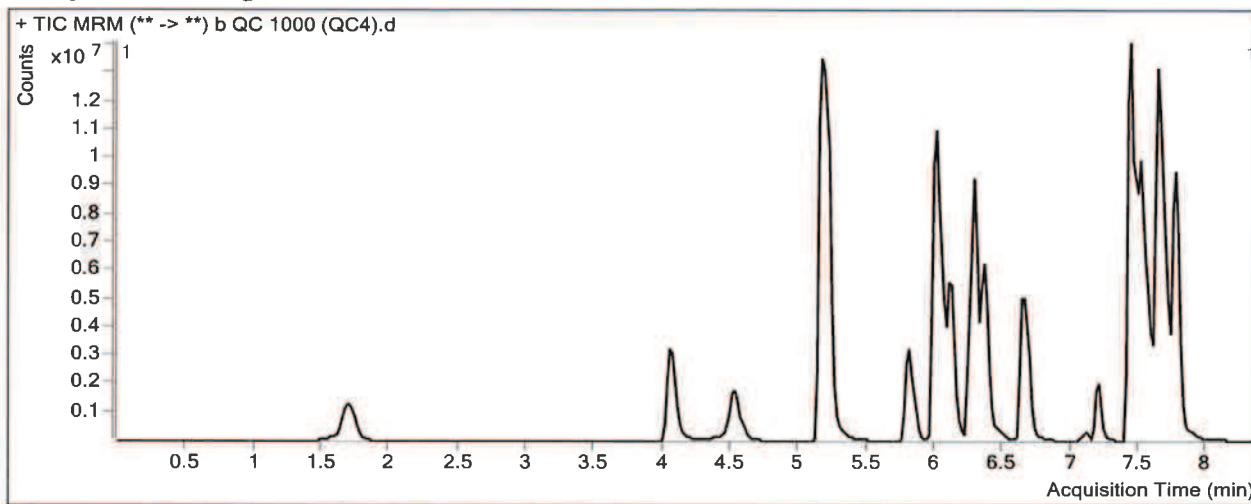
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc	
Oxymorphone	Oxymorphone-D3	1.708	8468576	282086	30.0212	993.6545	
Dihydrocodeine	Dihydrocodeine-D6	4.051	7427846	393228	18.8894	962.3781	*Not evaluated. TS*
Noroxycodone	Noroxycodone-D3	4.533	7458849	243128	30.6787	994.9830	
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.181	63040073	2942385	21.4248	963.9345	*Outside curve range. TS*
Benzoylecgonine	Benzoylecgonine-d8	5.811	4147309	33749	122.8871	3843.3454	
Ketamine	Ketamine-D4	6.022	37622033	1331766	28.2497	1060.0124	
Norfentanyl	Norfentanyl-D5	6.064	3178455	1250286	2.5422	105.9035	
Cocaine	Cocaine-d3	6.272	10428054	1207438	8.6365	1030.6658	
alpha-PVP	alpha-PVP-d8	6.368	14068326	737979	19.0633	1011.4510	
Mirtazapine	alpha-PVP-d8	6.664	11982354	737979	16.2367	762.6392	
Norbuprenorphine	Norbuprenorphine-D3	7.014	19652	9088	2.1623	106.3318	
Fentanyl	Fentanyl-D5	7.099	474059	261640	1.8119	96.4872	
Mitragynine	Methadone-D9	7.196	2257628	565545	3.9920	883.8355	
EDDP	EDDP-D3	7.209	2801411	111951	25.0236	1106.0411	
Quetiapine	Quetiapine-D8	7.438	32964788	307847	107.0817	1114.0380	
Cyclobenzaprine	Cyclobenzaprine-D3	7.472	3948059	117383	33.6340	1176.4756	
Methadone	Methadone-D9	7.502	20562219	565545	36.3582	1084.6020	
Fluoxetine	Fluoxetine-D6	7.542	10868677	372706	29.1615	1078.5447	
Oxazepam	Oxazepam-D5	7.588	3427734	176732	19.3951	1078.2576	

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc	
Sertraline	Sertraline-D3	7.625	2692482	133993	20.0942	1086.8864	outside curve range. TS
Temazepam	Temazepam-D5	7.647	31934172	1342593	23.7854	1072.9389	
Buprenorphine	Buprenorphine-D4	7.697	386962	78185	4.9493	122.0590	
Nordiazepam	Nordiazepam-D5	7.715	9728975	238922	40.7203	1062.6983	
Diazepam	Diazepam-D5	7.771	14050792	523898	26.8197	978.8603	

TS

Batch Data Path	C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1b wklst 2976.batch.bin
Last Calib Update	2/28/2019 9:22 AM

Analyst Name   ISP TOX

Target Compound   *Oxymorphone*
Internal Standard   *Oxymorphone-D3*

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

y = 0.030250 * x - 0.036729
R^2 = 0.99462698
Type:Linear, Origin:Ignore, Weight:1/x^2
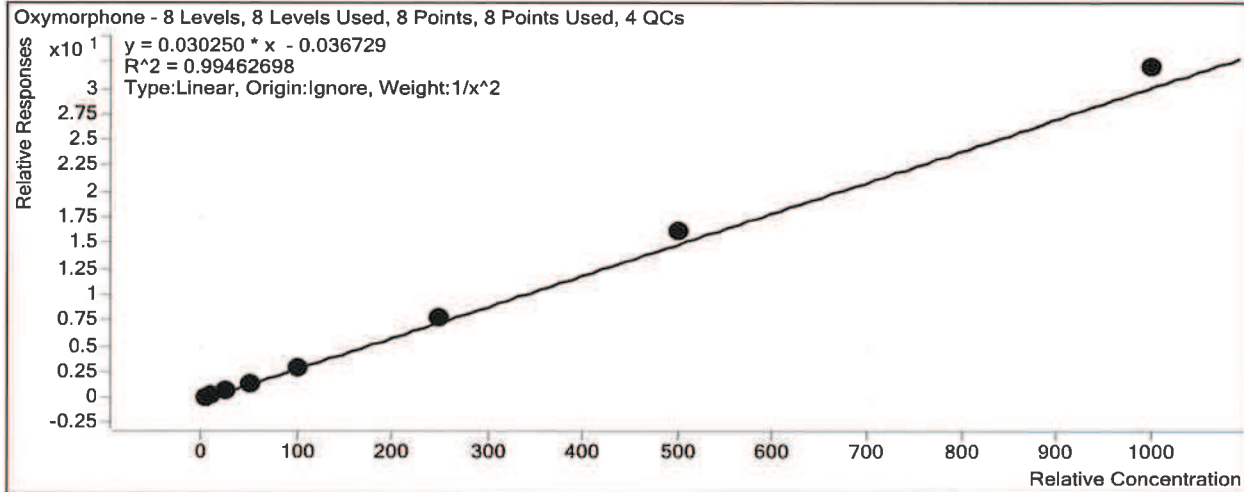
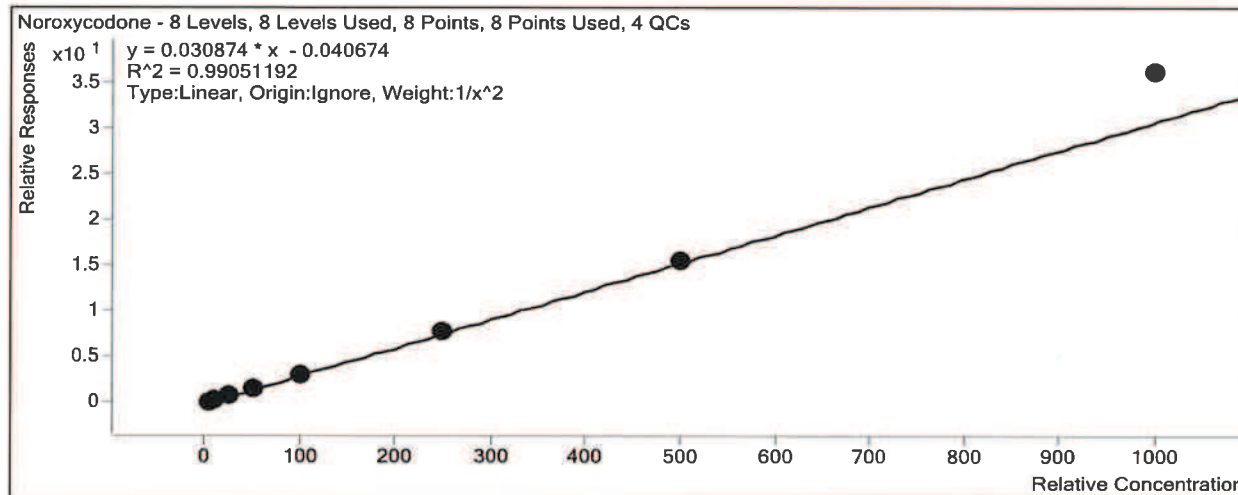| Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	☑	5	5.3	105.7
b cal 2-10ng.d	2	☑	10	9.3	93.1
b QC 10 (QC1).d	2	☑	10	9.0	90.0
b cal 3-25ng.d	3	☑	25	22.4	89.7
b cal 4-50ng.d	4	☑	50	48.5	97.0
b cal 5-100ng.d	5	☑	100	98.9	98.9
b QC 100 (QC2).d	5	☑	100	92.8	92.8
b cal 6-250ng.d	6	☑	250	257.5	103.0
b QC 250 (QC 3).d	6	☑	250	246.0	98.4
b cal 7-500ng.d	7	☑	500	533.1	106.6
b cal 8-1000ng.d	8	☑	1000	1059.6	106.0
b QC 1000 (QC4).d	8	☑	1000	993.7	99.4

ISP Forensics
Calibration Curve Report

Batch Data Path   C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1b wklst 2976.batch.bin

Last Calib Update   2/28/2019 9:22 AM   **Analyst Name**   ISP TOX

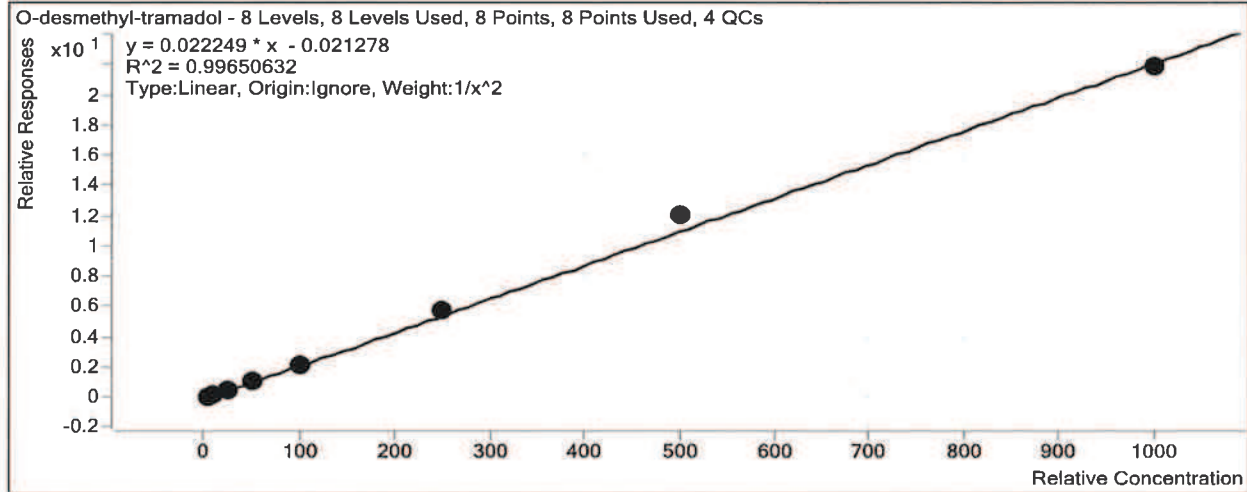**Target Compound**   *Dihydrocodeine*
Internal Standard   *Dihydrocodeine-D6*

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

$y = 0.019621 * x + 0.006692$
$R^2 = 0.94696603$
Type:Linear, Origin:Ignore, Weight:1/x
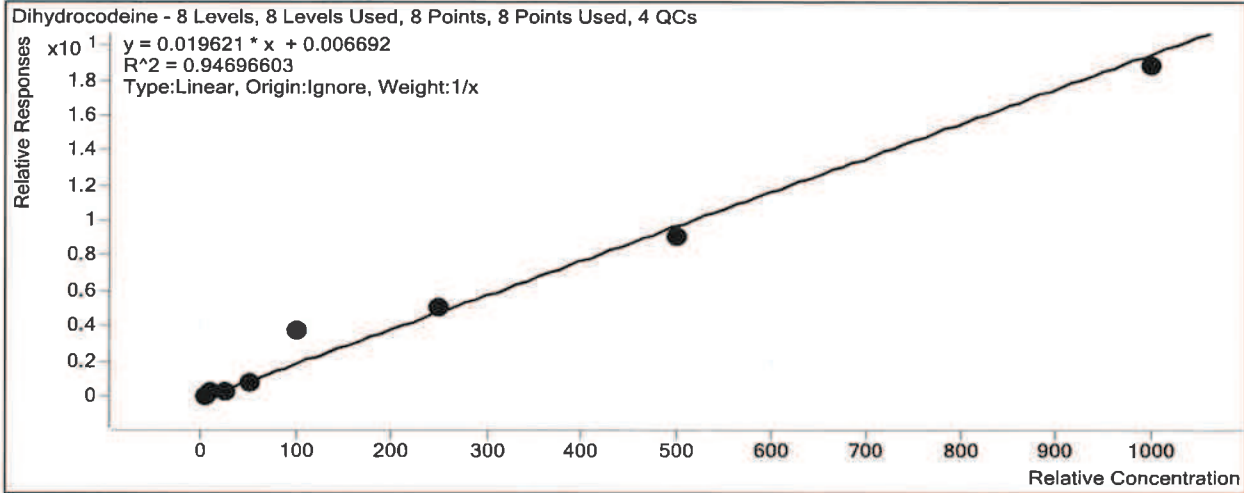
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	☑	5	1.9	38.9
b cal 2-10ng.d	2	☑	10	15.7	157.1
b QC 10 (QC1).d	2	☑	10	6.0	59.7
b cal 3-25ng.d	3	☑	25	10.0	40.1
b cal 4-50ng.d	4	☑	50	41.5	83.0
b cal 5-100ng.d	5	☑	100	189.1	189.1
b QC 100 (QC2).d	5	☑	100	103.8	103.8
b cal 6-250ng.d	6	☑	250	257.0	102.8
b QC 250 (QC 3).d	6	☑	250	259.5	103.8
b cal 7-500ng.d	7	☑	500	466.0	93.2
b cal 8-1000ng.d	8	☑	1000	958.7	95.9
b QC 1000 (QC4).d	8	☑	1000	962.4	96.2

✳ Compound not evaluated. — TS

Batch Data Path	C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1b wklst 2976.batch.bin	
Last Calib Update	2/28/2019 9:22 AM	**Analyst Name** ISP TOX

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

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

$y = 0.030874 * x - 0.040674$

$R^2 = 0.99051192$

Type:Linear, Origin:Ignore, Weight:$1/x^2$

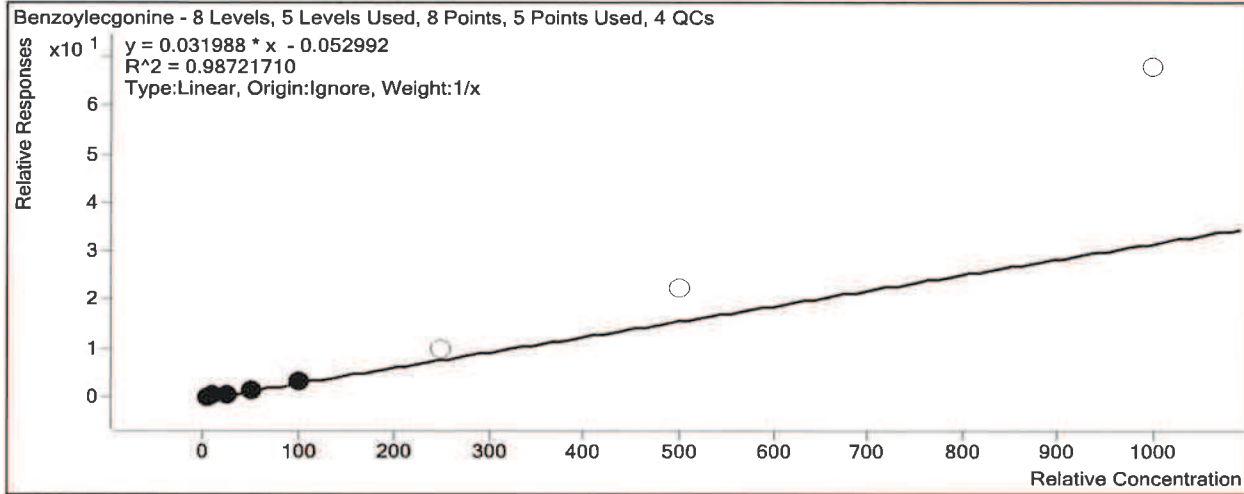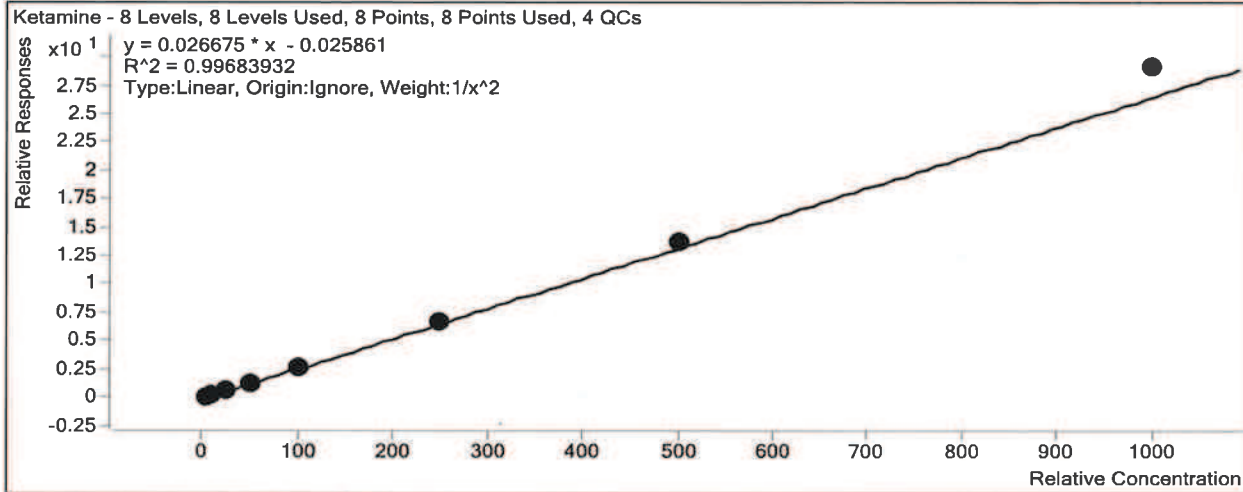| Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	☑	5	5.3	105.6
b cal 2-10ng.d	2	☑	10	9.4	93.7
b QC 10 (QC1).d	2	☑	10	10.3	103.3
b cal 3-25ng.d	3	☑	25	22.3	89.4
b cal 4-50ng.d	4	☑	50	48.8	97.5
b cal 5-100ng.d	5	☑	100	95.2	95.2
b QC 100 (QC2).d	5	☑	100	97.8	97.8
b cal 6-250ng.d	6	☑	250	252.6	101.1
b QC 250 (QC 3).d	6	☑	250	257.3	102.9
b cal 7-500ng.d	7	☑	500	502.1	100.4
b cal 8-1000ng.d	8	☑	1000	1170.6	117.1
b QC 1000 (QC4).d	8	☑	1000	995.0	99.5

ISP Forensics
Calibration Curve Report

Batch Data Path   C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1b wklst
2976.batch.bin

Last Calib Update   2/28/2019 9:22 AM   **Analyst Name**   ISP TOX

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

O-desmethyl-tramadol - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.022249 * x - 0.021278$
$R^2 = 0.99650632$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	☑	5	5.1	103.0
b cal 2-10ng.d	2	☑	10	9.7	97.3
b QC 10 (QC1).d	2	☑	10	10.2	101.6
b cal 3-25ng.d	3	☑	25	23.3	93.3
b cal 4-50ng.d	4	☑	50	47.9	95.9
b cal 5-100ng.d	5	☑	100	98.6	98.6
b QC 100 (QC2).d	5	☑	100	99.3	99.3
b cal 6-250ng.d	6	☑	250	261.2	104.5
b QC 250 (QC 3).d	6	☑	250	265.2	106.1
b cal 7-500ng.d	7	☑	500	545.4	109.1
b cal 8-1000ng.d	8	☑	1000	983.0	98.3
b QC 1000 (QC4).d	8	☑	1000	963.9	96.4

TS

Batch Data Path	C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1b wklst 2976.batch.bin
Last Calib Update	2/28/2019 9:22 AM

Analyst Name   ISP TOX

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

Benzoylecgonine - 8 Levels, 5 Levels Used, 8 Points, 5 Points Used, 4 QCs

$y = 0.031988 * x - 0.052992$
$R^2 = 0.98721710$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	☑	5	6.1	122.8
b cal 2-10ng.d	2	☑	10	9.1	91.0
b QC 10 (QC1).d	2	☑	10	13.6	136.1
b cal 3-25ng.d	3	☑	25	21.9	87.5
b cal 4-50ng.d	4	☑	50	45.8	91.6
b cal 5-100ng.d	5	☑	100	107.1	107.1
b QC 100 (QC2).d	5	☑	100	164.3	164.3
b cal 6-250ng.d	6	☐	250	302.7	121.1
b QC 250 (QC 3).d	6	☐	250	569.5	227.8
b cal 7-500ng.d	7	☐	500	701.5	140.3
b cal 8-1000ng.d	8	☐	1000	2126.1	212.6
b QC 1000 (QC4).d	8	☐	1000	3843.3	384.3

Batch Data Path   C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1b wklst
2976.batch.bin

Last Calib Update   2/28/2019 9:22 AM   **Analyst Name**   ISP TOX

Target Compound   *Ketamine*
Internal Standard   *Ketamine-D4*

Ketamine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs
$y = 0.026675 * x - 0.025861$
$R^2 = 0.99683932$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	☑	5	5.2	103.0
b cal 2-10ng.d	2	☑	10	9.7	97.1
b QC 10 (QC1).d	2	☑	10	10.1	100.7
b cal 3-25ng.d	3	☑	25	23.6	94.4
b cal 4-50ng.d	4	☑	50	47.9	95.7
b cal 5-100ng.d	5	☑	100	97.9	97.9
b QC 100 (QC2).d	5	☑	100	101.0	101.0
b cal 6-250ng.d	6	☑	250	249.0	99.6
b QC 250 (QC 3).d	6	☑	250	261.8	104.7
b cal 7-500ng.d	7	☑	500	514.3	102.9
b cal 8-1000ng.d	8	☑	1000	1093.5	109.3
b QC 1000 (QC4).d	8	☑	1000	1060.0	106.0

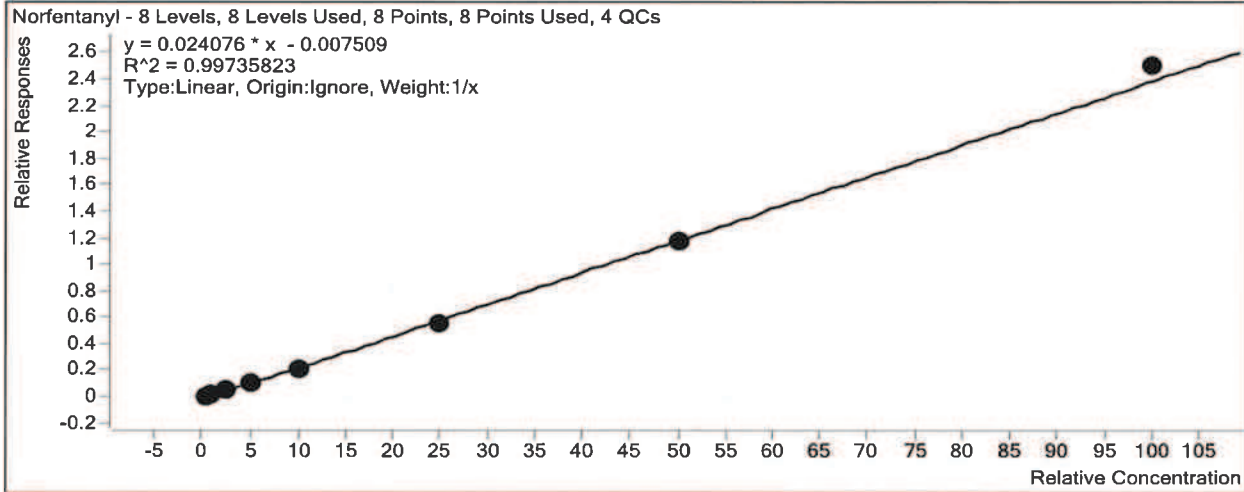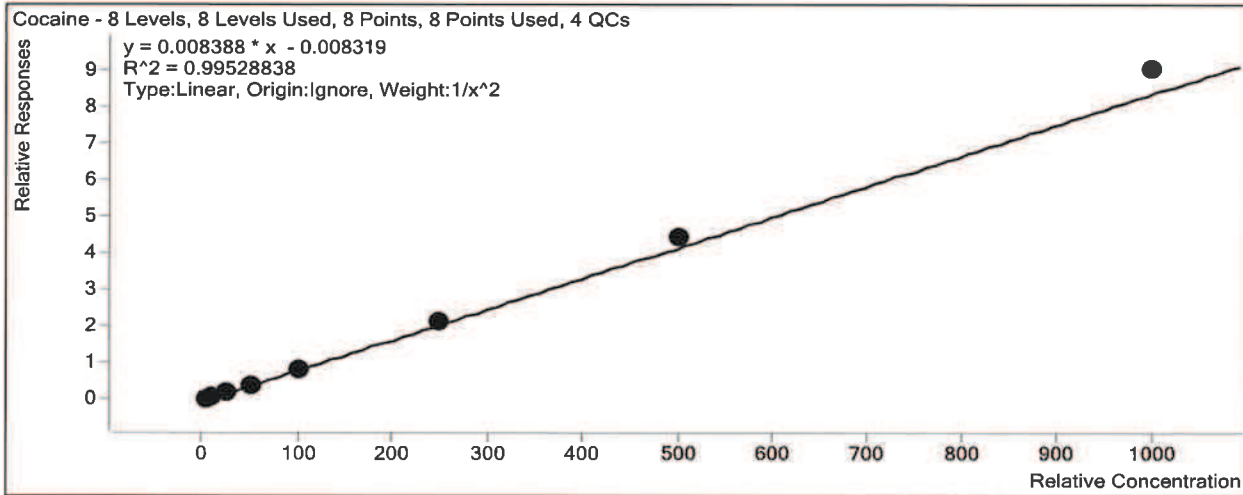# ISP Forensics
Calibration Curve Report

Batch Data Path   C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1b wklst 2976.batch.bin

Last Calib Update   2/28/2019 9:22 AM   **Analyst Name**   ISP TOX

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

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

$y = 0.024076 * x - 0.007509$
$R^2 = 0.99735823$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	☑	0.5	0.6	128.1
b cal 2-10ng.d	2	☑	1	1.0	100.4
b QC 10 (QC1).d	2	☐	1	1.0	105.0
b cal 3-25ng.d	3	☑	2.5	2.4	95.7
b cal 4-50ng.d	4	☑	5	4.4	88.4
b cal 5-100ng.d	5	☑	10	9.2	92.1
b QC 100 (QC2).d	5	☑	10	8.8	88.3
b cal 6-250ng.d	6	☑	25	23.3	93.4
b QC 250 (QC 3).d	6	☑	25	23.7	94.7
b cal 7-500ng.d	7	☑	50	48.9	97.9
b cal 8-1000ng.d	8	☑	100	104.0	104.0
b QC 1000 (QC4).d	8	☑	100	105.9	105.9

Batch Data Path   C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1b wklst
2976.batch.bin

Last Calib Update   2/28/2019 9:22 AM   **Analyst Name**   ISP TOX

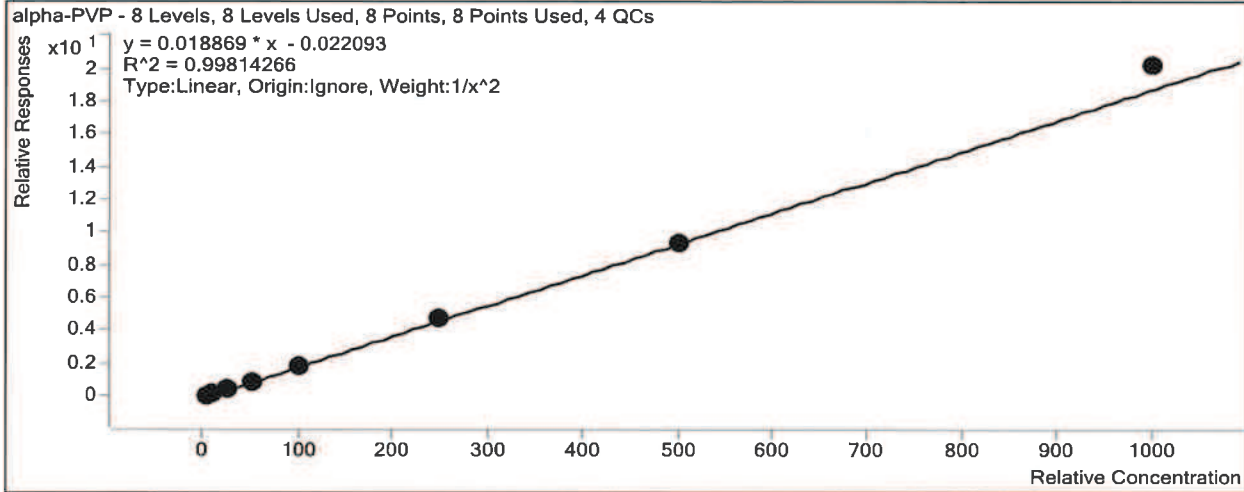***Target Compound***   *Cocaine*
Internal Standard   *Cocaine-d3*

Cocaine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs
$y = 0.008388 * x - 0.008319$
$R^2 = 0.99528838$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	☑	5	5.3	105.3
b cal 2-10ng.d	2	☑	10	9.3	92.9
b QC 10 (QC1).d	2	☑	10	9.4	94.1
b cal 3-25ng.d	3	☑	25	23.4	93.6
b cal 4-50ng.d	4	☑	50	47.2	94.5
b cal 5-100ng.d	5	☑	100	98.7	98.7
b QC 100 (QC2).d	5	☑	100	94.5	94.5
b cal 6-250ng.d	6	☑	250	253.2	101.3
b QC 250 (QC 3).d	6	☑	250	251.5	100.6
b cal 7-500ng.d	7	☑	500	531.0	106.2
b cal 8-1000ng.d	8	☑	1000	1075.2	107.5
b QC 1000 (QC4).d	8	☑	1000	1030.7	103.1

Batch Data Path   C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1b wklst
2976.batch.bin

Last Calib Update   2/28/2019 9:22 AM   **Analyst Name**   ISP TOX

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

alpha-PVP - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

$y = 0.018869 * x - 0.022093$
$R^2 = 0.99814266$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	☑	5	5.1	102.7
b cal 2-10ng.d	2	☑	10	9.7	96.8
b QC 10 (QC1).d	2	☑	10	10.4	104.1
b cal 3-25ng.d	3	☑	25	23.6	94.6
b cal 4-50ng.d	4	☑	50	50.1	100.1
b cal 5-100ng.d	5	☑	100	99.4	99.4
b QC 100 (QC2).d	5	☑	100	93.4	93.4
b cal 6-250ng.d	6	☑	250	250.1	100.1
b QC 250 (QC 3).d	6	☑	250	238.1	95.2
b cal 7-500ng.d	7	☑	500	496.3	99.3
b cal 8-1000ng.d	8	☑	1000	1070.8	107.1
b QC 1000 (QC4).d	8	☑	1000	1011.5	101.1

ISP Forensics
Calibration Curve Report

TS

Batch Data Path	C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1b wklst 2976.batch.bin
Last Calib Update	2/28/2019 9:22 AM

Analyst Name   ISP TOX

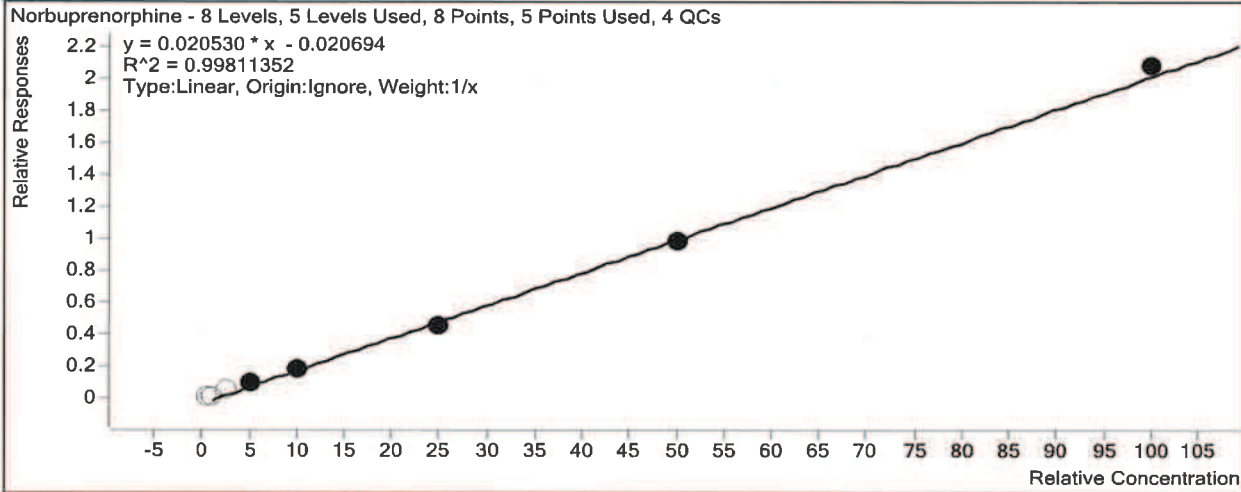**Target Compound**   *Mirtazapine*
Internal Standard   *alpha-PVP-d8*

Mirtazapine - 8 Levels, 6 Levels Used, 8 Points, 6 Points Used, 4 QCs
$y = 0.021566 * x - 0.210036$
$R^2 = 0.98424027$
Type:Linear, Origin:Ignore, Weight:$1/x^2$
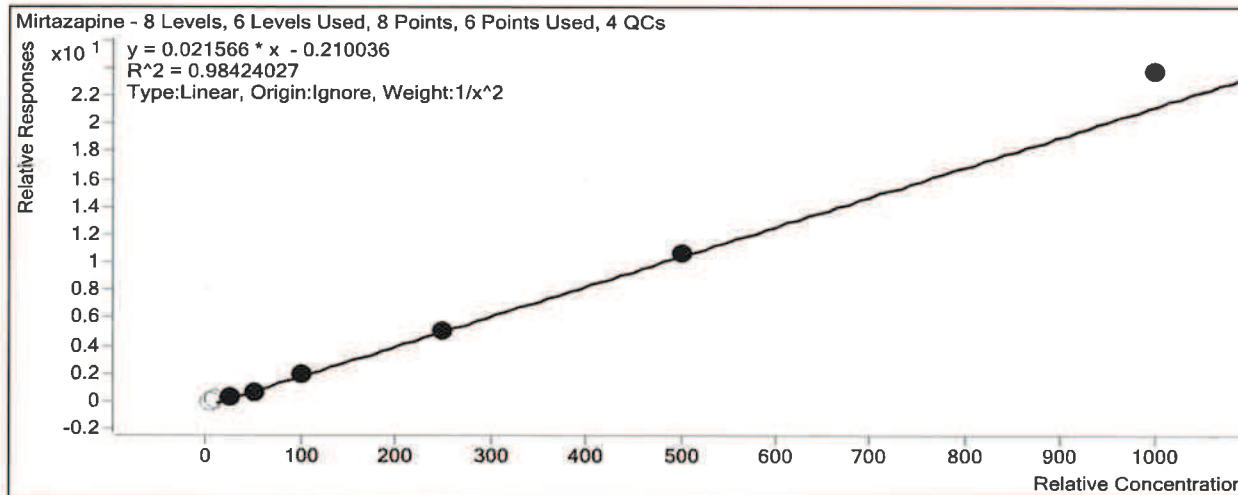
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	☐	5	12.9	257.4
b cal 2-10ng.d	2	☐	10	18.7	186.6
b QC 10 (QC1).d	2	☑	10	19.0	190.4
b cal 3-25ng.d	3	☑	25	27.2	108.8
b cal 4-50ng.d	4	☑	50	41.3	82.6
b cal 5-100ng.d	5	☑	100	99.6	99.6
b QC 100 (QC2).d	5	☑	100	92.4	92.4
b cal 6-250ng.d	6	☑	250	242.2	96.9
b QC 250 (QC 3).d	6	☑	250	226.4	90.6
b cal 7-500ng.d	7	☑	500	505.4	101.1
b cal 8-1000ng.d	8	☑	1000	1110.7	111.1
b QC 1000 (QC4).d	8	☑	1000	762.6	76.3

Batch Data Path   C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1b wklst 2976.batch.bin

Last Calib Update   2/28/2019 9:22 AM   **Analyst Name**   ISP TOX

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

Norbuprenorphine - 8 Levels, 5 Levels Used, 8 Points, 5 Points Used, 4 QCs

$y = 0.020530 * x - 0.020694$
$R^2 = 0.99811352$
Type:Linear, Origin:Ignore, Weight:1/x

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	☐	0.5	1.8	357.7
b cal 2-10ng.d	2	☐	1	1.8	181.1
b QC 10 (QC1).d	2	☐	1	1.9	185.4
b cal 3-25ng.d	3	☐	2.5	3.7	146.9
b cal 4-50ng.d	4	☑	5	5.3	106.9
b cal 5-100ng.d	5	☑	10	10.0	99.7
b QC 100 (QC2).d	5	☑	10	8.6	86.3
b cal 6-250ng.d	6	☑	25	23.3	93.3
b QC 250 (QC 3).d	6	☑	25	22.2	88.7
b cal 7-500ng.d	7	☑	50	48.8	97.6
b cal 8-1000ng.d	8	☑	100	102.6	102.6
b QC 1000 (QC4).d	8	☑	100	106.3	106.3

ISP Forensics
Calibration Curve Report

TS

Batch Data Path	C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1b wklst 2976.batch.bin
Last Calib Update	2/28/2019 9:22 AM

Analyst Name   ISP TOX

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

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

$y = 0.018901 * x - 0.011860$
$R^2 = 0.99612424$
Type:Linear, Origin:Ignore, Weight:1/x
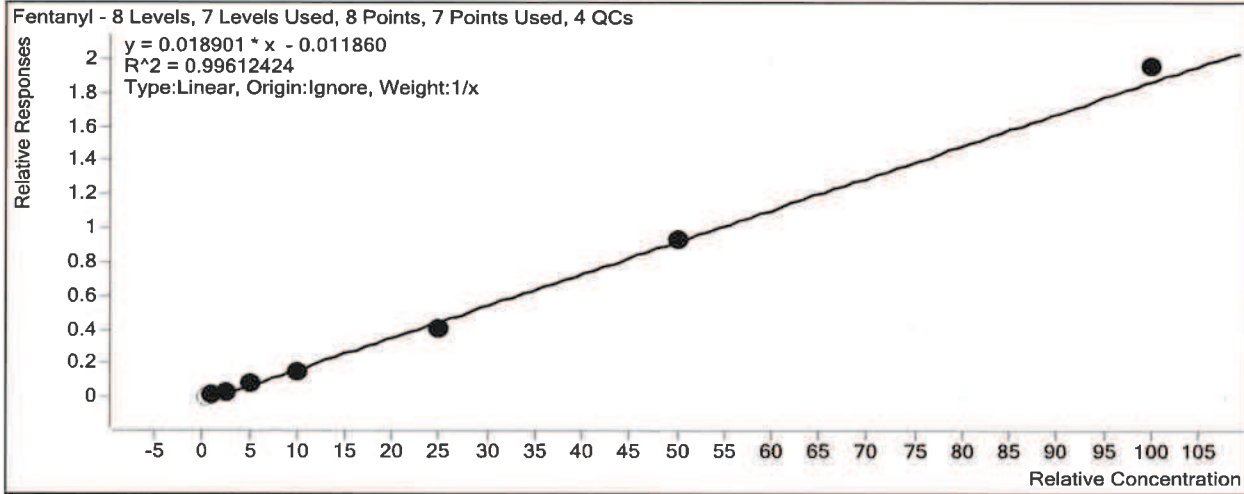
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	☐	0.5	1.1	227.2
b cal 2-10ng.d	2	☑	1	1.2	124.7
b QC 10 (QC1).d	2	☐	1	1.6	160.9
b cal 3-25ng.d	3	☑	2.5	2.4	94.9
b cal 4-50ng.d	4	☑	5	4.9	98.5
b cal 5-100ng.d	5	☑	10	8.9	89.4
b QC 100 (QC2).d	5	☑	10	8.6	86.1
b cal 6-250ng.d	6	☑	25	22.2	88.9
b QC 250 (QC 3).d	6	☑	25	25.3	101.1
b cal 7-500ng.d	7	☑	50	49.8	99.7
b cal 8-1000ng.d	8	☑	100	103.9	103.9
b QC 1000 (QC4).d	8	☑	100	96.5	96.5

ISP Forensics
Calibration Curve Report

TS

Batch Data Path	C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1b wklst 2976.batch.bin
Last Calib Update	2/28/2019 9:22 AM **Analyst Name** ISP TOX

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

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

y = 0.004518 * x - 0.001572
R^2 = 0.99617614
Type:Linear, Origin:Ignore, Weight:1/x
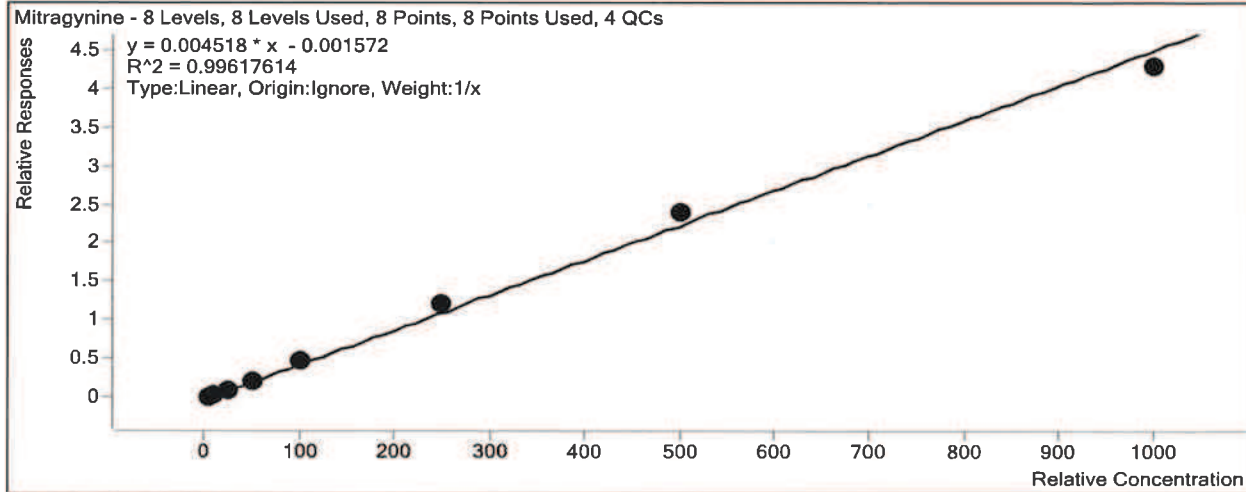
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	☑	5	4.6	92.7
b cal 2-10ng.d	2	☑	10	9.8	97.9
b QC 10 (QC1).d	2	☑	10	9.1	90.6
b cal 3-25ng.d	3	☑	25	23.4	93.5
b cal 4-50ng.d	4	☑	50	49.8	99.7
b cal 5-100ng.d	5	☑	100	108.4	108.4
b QC 100 (QC2).d	5	☑	100	98.2	98.2
b cal 6-250ng.d	6	☑	250	268.0	107.2
b QC 250 (QC 3).d	6	☑	250	249.9	100.0
b cal 7-500ng.d	7	☑	500	529.7	105.9
b cal 8-1000ng.d	8	☑	1000	946.3	94.6
b QC 1000 (QC4).d	8	☑	1000	883.8	88.4

Batch Data Path C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1b wklst 2976.batch.bin

Last Calib Update 2/28/2019 9:22 AM **Analyst Name** ISP TOX

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

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

$y = 0.022653 * x - 0.031518$
$R^2 = 0.98653658$
Type:Linear, Origin:Ignore, Weight:$1/x^2$
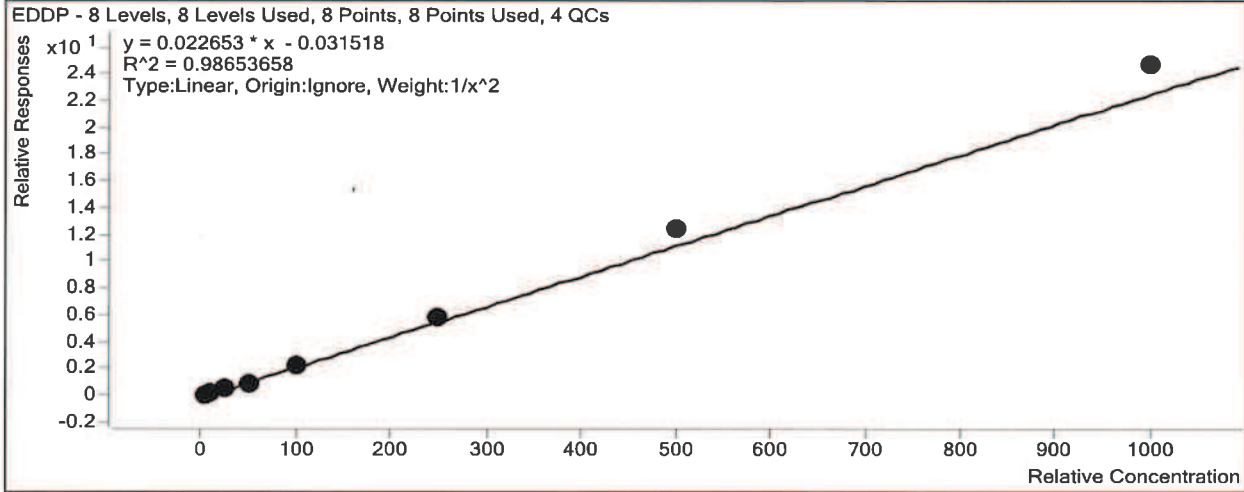
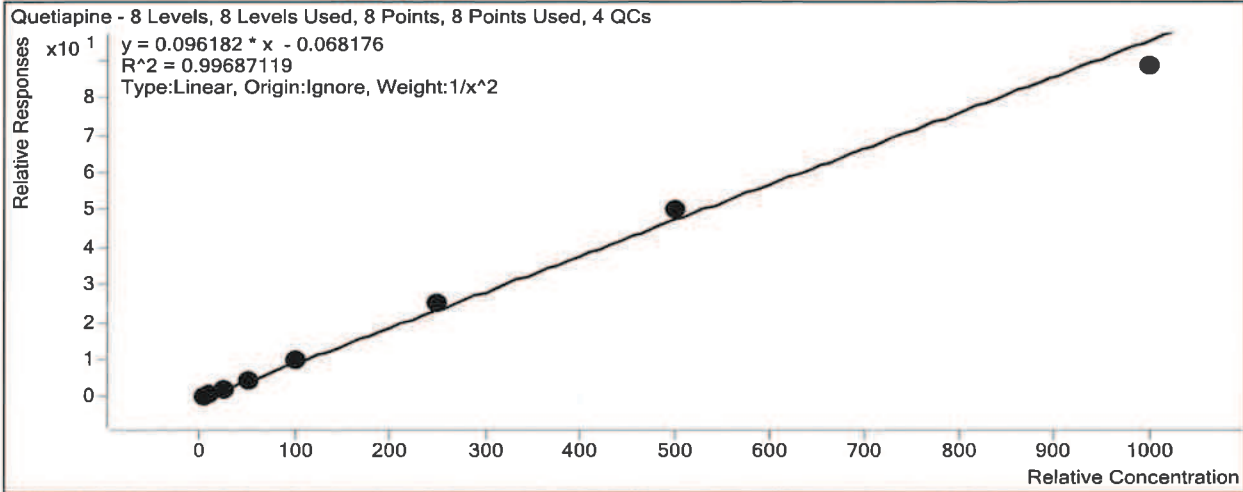| Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	☑	5	5.4	108.0
b cal 2-10ng.d	2	☑	10	9.1	90.6
b QC 10 (QC1).d	2	☑	10	8.6	86.0
b cal 3-25ng.d	3	☑	25	22.3	89.1
b cal 4-50ng.d	4	☑	50	42.6	85.2
b cal 5-100ng.d	5	☑	100	102.7	102.7
b QC 100 (QC2).d	5	☑	100	96.2	96.2
b cal 6-250ng.d	6	☑	250	261.2	104.5
b QC 250 (QC 3).d	6	☑	250	248.4	99.4
b cal 7-500ng.d	7	☑	500	554.9	111.0
b cal 8-1000ng.d	8	☑	1000	1089.8	109.0
b QC 1000 (QC4).d	8	☑	1000	1106.0	110.6

TS

Batch Data Path	C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1b wklst 2976.batch.bin		
Last Calib Update	2/28/2019 9:22 AM	**Analyst Name**	ISP TOX

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

Quetiapine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs
$y = 0.096182 * x - 0.068176$
$R^2 = 0.99687119$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	☑	5	5.1	102.4
b cal 2-10ng.d	2	☑	10	9.6	96.1
b QC 10 (QC1).d	2	☑	10	11.1	110.7
b cal 3-25ng.d	3	☑	25	24.3	97.4
b cal 4-50ng.d	4	☑	50	48.8	97.7
b cal 5-100ng.d	5	☑	100	103.5	103.5
b QC 100 (QC2).d	5	☑	100	99.3	99.3
b cal 6-250ng.d	6	☑	250	264.5	105.8
b QC 250 (QC 3).d	6	☑	250	260.6	104.2
b cal 7-500ng.d	7	☑	500	524.9	105.0
b cal 8-1000ng.d	8	☑	1000	921.5	92.1
b QC 1000 (QC4).d	8	☑	1000	1114.0	111.4

TS

Batch Data Path	C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1b wklst 2976.batch.bin
Last Calib Update	2/28/2019 9:22 AM **Analyst Name** ISP TOX

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

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

$y = 0.028616 * x - 0.031983$
$R^2 = 0.99439075$
Type:Linear, Origin:Ignore, Weight:1/x^2

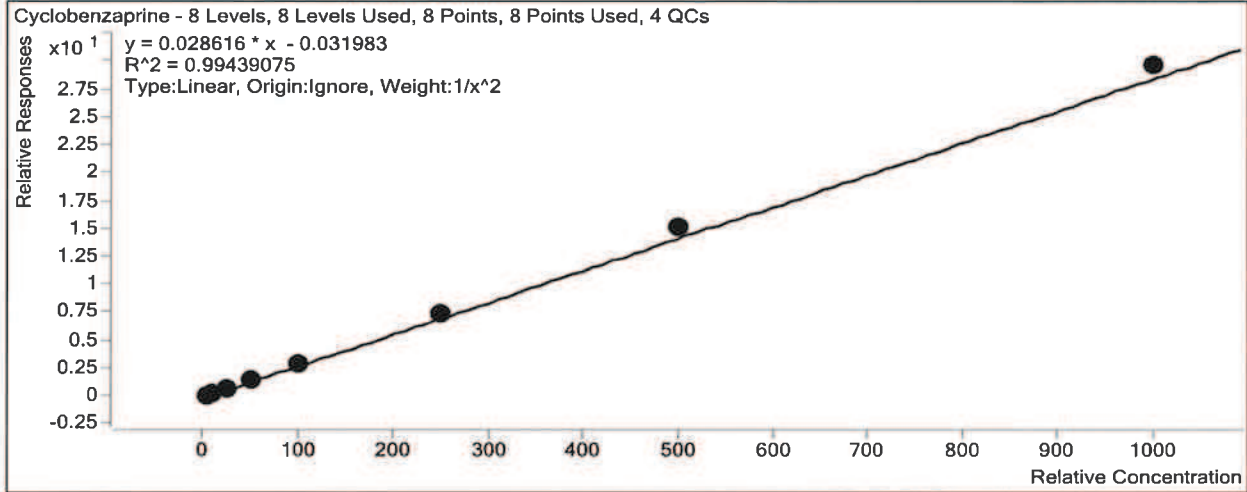| Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	☑	5	5.2	104.9
b cal 2-10ng.d	2	☑	10	9.5	95.4
b QC 10 (QC1).d	2	☑	10	12.3	122.6
b cal 3-25ng.d	3	☑	25	21.6	86.5
b cal 4-50ng.d	4	☑	50	49.3	98.7
b cal 5-100ng.d	5	☑	100	100.5	100.5
b QC 100 (QC2).d	5	☑	100	100.9	100.9
b cal 6-250ng.d	6	☑	250	261.7	104.7
b QC 250 (QC 3).d	6	☑	250	264.0	105.6
b cal 7-500ng.d	7	☑	500	528.9	105.8
b cal 8-1000ng.d	8	☑	1000	1034.9	103.5
b QC 1000 (QC4).d	8	☑	1000	1176.5	117.6

ISP Forensics
Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1b wklst
2976.batch.bin

Last Calib Update 2/28/2019 9:22 AM **Analyst Name** ISP TOX

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

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

$y = 0.033554 * x - 0.034561$
$R^2 = 0.99662809$
Type:Linear, Origin:Ignore, Weight:$1/x^2$
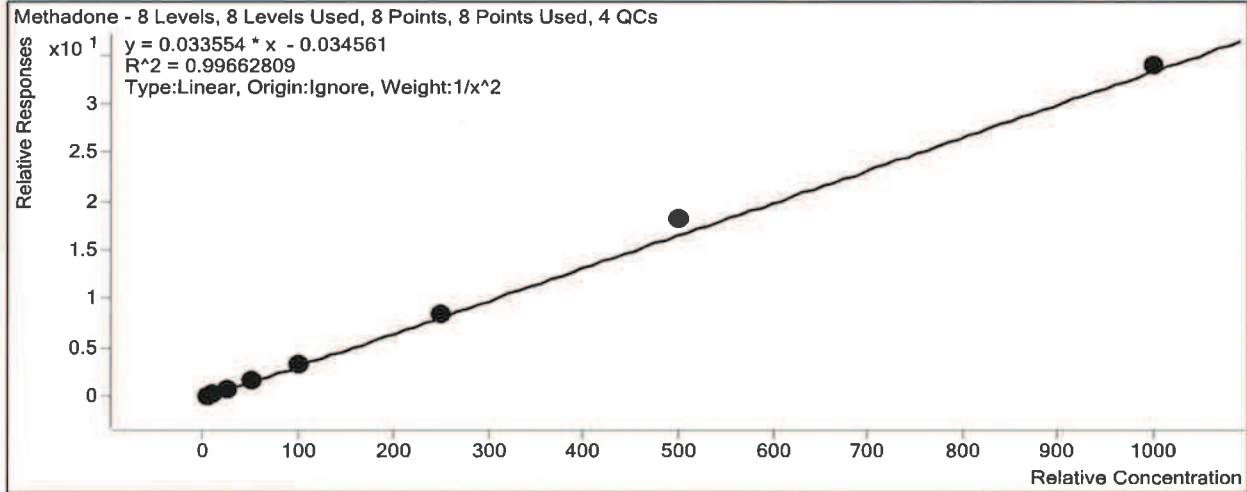
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	☑	5	5.1	102.9
b cal 2-10ng.d	2	☑	10	9.8	97.8
b QC 10 (QC1).d	2	☑	10	11.6	116.0
b cal 3-25ng.d	3	☑	25	23.2	92.9
b cal 4-50ng.d	4	☑	50	48.6	97.1
b cal 5-100ng.d	5	☑	100	96.8	96.8
b QC 100 (QC2).d	5	☑	100	100.2	100.2
b cal 6-250ng.d	6	☑	250	255.3	102.1
b QC 250 (QC 3).d	6	☑	250	260.7	104.3
b cal 7-500ng.d	7	☑	500	547.4	109.5
b cal 8-1000ng.d	8	☑	1000	1010.6	101.1
b QC 1000 (QC4).d	8	☑	1000	1084.6	108.5

TS

Batch Data Path	C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1b wklst 2976.batch.bin
Last Calib Update	2/28/2019 9:22 AM **Analyst Name** ISP TOX

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

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

$y = 0.027063 * x - 0.026571$
$R^2 = 0.99694608$
Type:Linear, Origin:Ignore, Weight:1/x^2
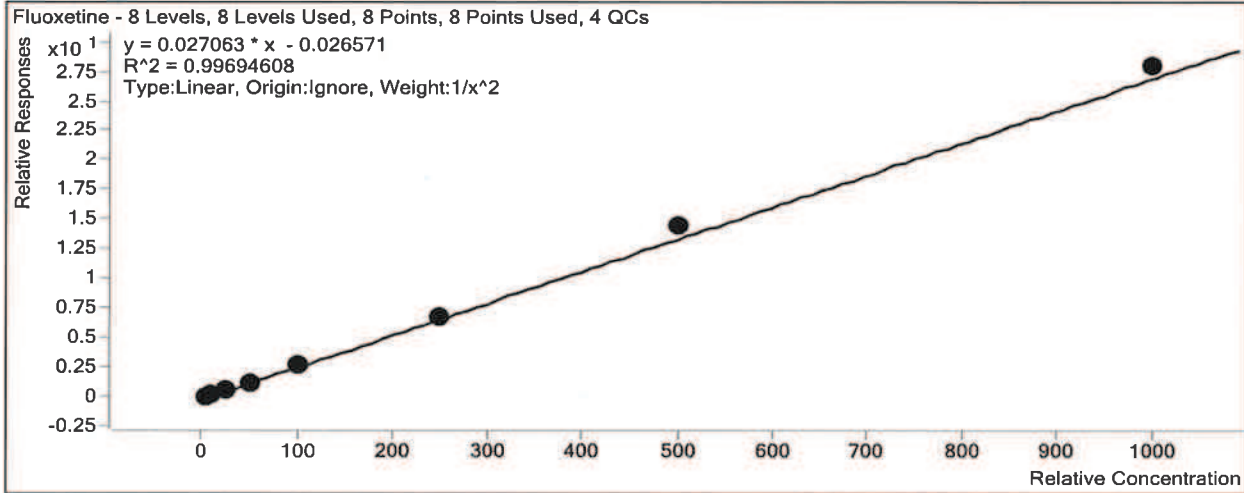
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	☑	5	5.2	103.4
b cal 2-10ng.d	2	☑	10	9.7	96.5
b QC 10 (QC1).d	2	☑	10	10.8	108.4
b cal 3-25ng.d	3	☑	25	23.4	93.6
b cal 4-50ng.d	4	☑	50	47.5	94.9
b cal 5-100ng.d	5	☑	100	100.7	100.7
b QC 100 (QC2).d	5	☑	100	105.6	105.6
b cal 6-250ng.d	6	☑	250	249.3	99.7
b QC 250 (QC 3).d	6	☑	250	263.5	105.4
b cal 7-500ng.d	7	☑	500	539.1	107.8
b cal 8-1000ng.d	8	☑	1000	1032.4	103.2
b QC 1000 (QC4).d	8	☑	1000	1078.5	107.9

Batch Data Path	C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1b wklst 2976.batch.bin
Last Calib Update	2/28/2019 9:22 AM **Analyst Name** ISP TOX

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

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

$y = 0.018010 * x - 0.024712$
$R^2 = 0.98674108$
Type:Linear, Origin:Ignore, Weight:$1/x^2$
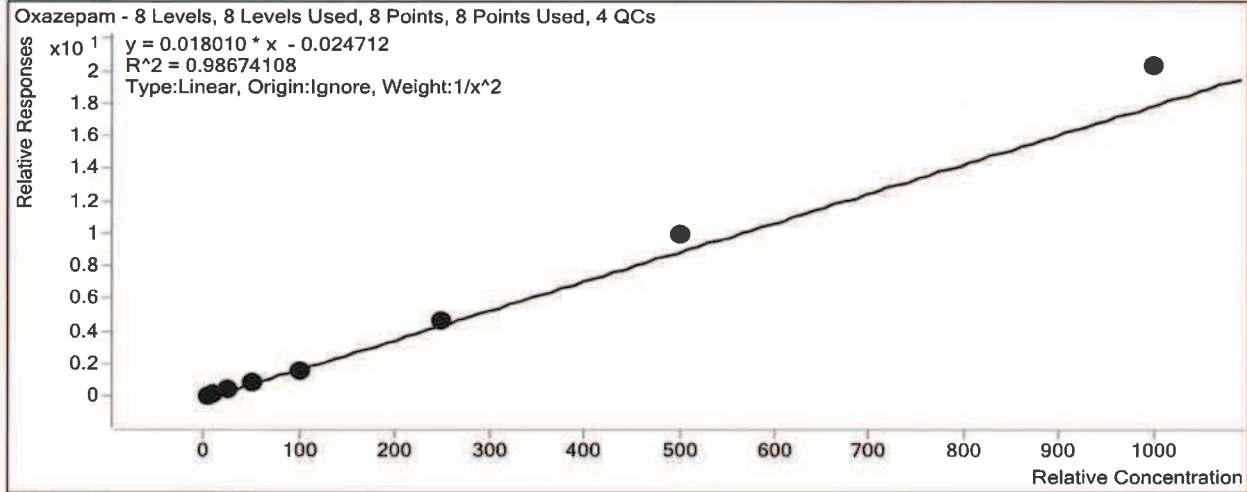
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	☑	5	5.2	103.0
b cal 2-10ng.d	2	☑	10	10.1	100.9
b QC 10 (QC1).d	2	☑	10	10.5	104.9
b cal 3-25ng.d	3	☑	25	21.6	86.5
b cal 4-50ng.d	4	☑	50	48.4	96.8
b cal 5-100ng.d	5	☑	100	85.3	85.3
b QC 100 (QC2).d	5	☑	100	89.9	89.9
b cal 6-250ng.d	6	☑	250	259.6	103.8
b QC 250 (QC 3).d	6	☑	250	225.4	90.1
b cal 7-500ng.d	7	☑	500	553.2	110.6
b cal 8-1000ng.d	8	☑	1000	1128.3	112.8
b QC 1000 (QC4).d	8	☑	1000	1078.3	107.8

Batch Data Path C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1b wklst
2976.batch.bin

Last Calib Update 2/28/2019 9:22 AM   **Analyst Name**   ISP TOX

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

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

$y = 0.018496 * x - 0.008539$
$R^2 = 0.99901388$
Type:Linear, Origin:Ignore, Weight:$1/x^2$

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	☑	5	5.1	101.4
b cal 2-10ng.d	2	☑	10	9.8	98.0
b QC 10 (QC1).d	2	☑	10	9.0	90.0
b cal 3-25ng.d	3	☑	25	24.2	96.8
b cal 4-50ng.d	4	☑	50	50.7	101.5
b cal 5-100ng.d	5	☑	100	101.6	101.6
b QC 100 (QC2).d	5	☑	100	95.0	95.0
b cal 6-250ng.d	6	☑	250	242.7	97.1
b QC 250 (QC 3).d	6	☑	250	263.2	105.3
b cal 7-500ng.d	7	☑	500	518.0	103.6
b cal 8-1000ng.d	8	☐	1000	1275.3	127.5
b QC 1000 (QC4).d	8	☐	1000	1086.9	108.7

TS

Batch Data Path   C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1b wklst
2976.batch.bin

Last Calib Update   2/28/2019 9:22 AM   **Analyst Name**   ISP TOX

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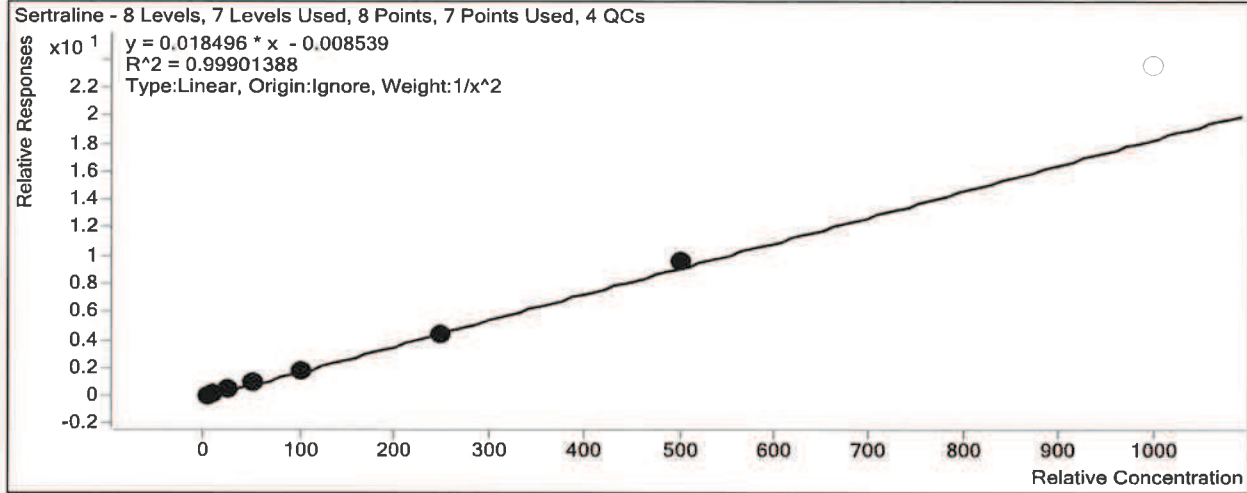*Internal Standard*   *Temazepam-D5*

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

$y = 0.022193 * x - 0.026209$
$R^2 = 0.99379917$
Type:Linear, Origin:Ignore, Weight:1/x^2

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	☑	5	5.2	104.0
b cal 2-10ng.d	2	☑	10	9.7	96.7
b QC 10 (QC1).d	2	☑	10	9.6	96.4
b cal 3-25ng.d	3	☑	25	23.0	92.0
b cal 4-50ng.d	4	☑	50	47.0	94.0
b cal 5-100ng.d	5	☑	100	95.4	95.4
b QC 100 (QC2).d	5	☑	100	93.6	93.6
b cal 6-250ng.d	6	☑	250	251.8	100.7
b QC 250 (QC 3).d	6	☑	250	244.0	97.6
b cal 7-500ng.d	7	☑	500	522.8	104.6
b cal 8-1000ng.d	8	☑	1000	1126.5	112.7
b QC 1000 (QC4).d	8	☑	1000	1072.9	107.3

Batch Data Path   C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1b wklst
2976.batch.bin

Last Calib Update   2/28/2019 9:22 AM   **Analyst Name**   ISP TOX

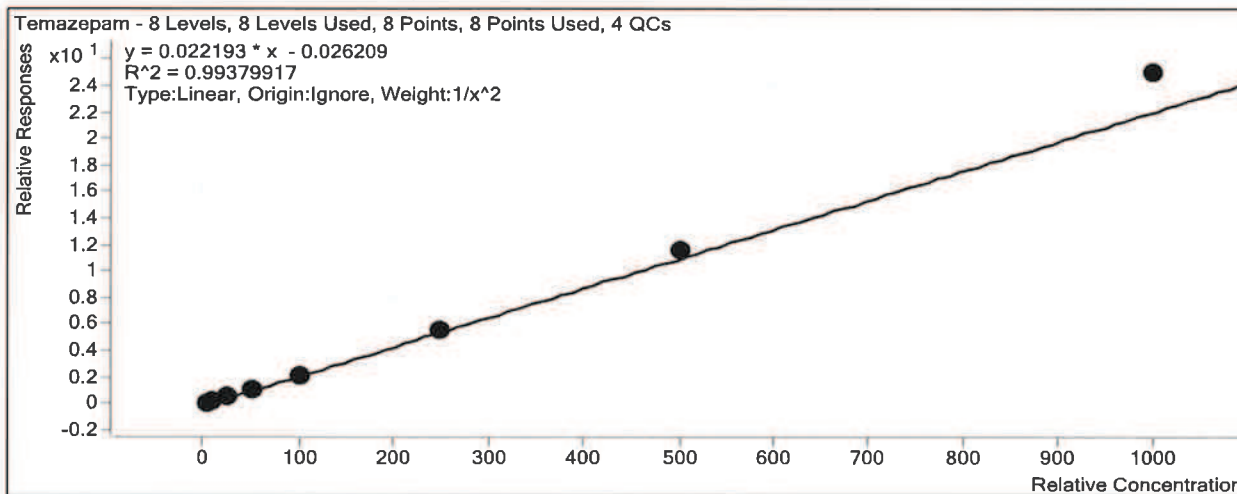### *Target Compound*   *Buprenorphine*
Internal Standard   *Buprenorphine-D4*

Buprenorphine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs
$y = 0.040632 * x - 0.010186$
$R^2 = 0.98521537$
Type:Linear, Origin:Ignore, Weight:$1/x^2$
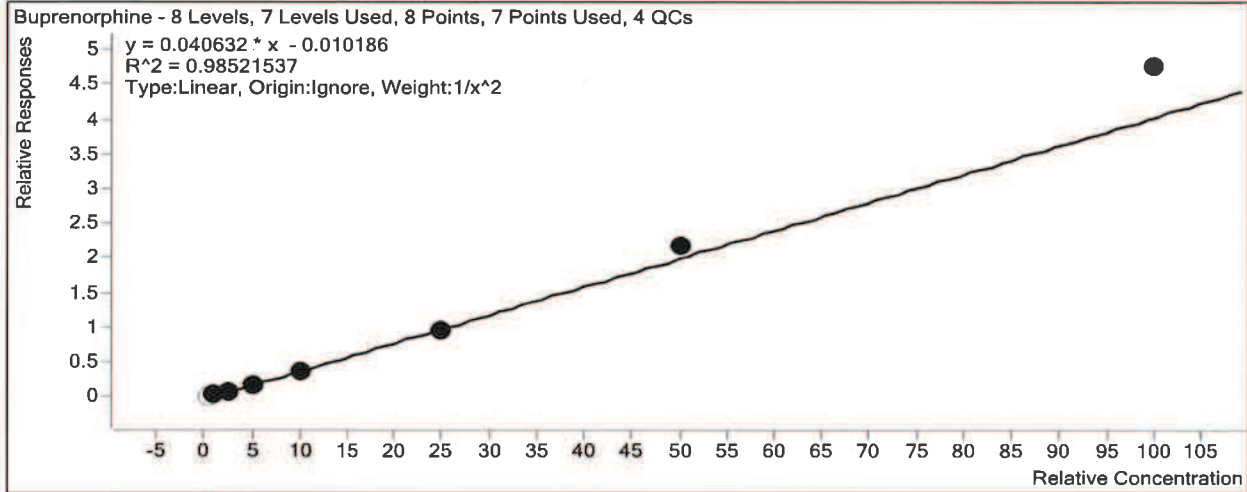
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	☐	0.5	0.7	140.9
b cal 2-10ng.d	2	☑	1	1.1	106.1
b QC 10 (QC1).d	2	☑	1	1.2	115.8
b cal 3-25ng.d	3	☑	2.5	2.3	91.0
b cal 4-50ng.d	4	☑	5	4.6	91.3
b cal 5-100ng.d	5	☑	10	9.0	90.1
b QC 100 (QC2).d	5	☑	10	9.4	93.7
b cal 6-250ng.d	6	☑	25	24.1	96.6
b QC 250 (QC 3).d	6	☑	25	24.6	98.3
b cal 7-500ng.d	7	☑	50	53.7	107.4
b cal 8-1000ng.d	8	☑	100	117.4	117.4
b QC 1000 (QC4).d	8	☑	100	122.1	122.1

ISP Forensics
Calibration Curve Report

Batch Data Path C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1b wklst 2976.batch.bin

Last Calib Update 2/28/2019 9:22 AM   **Analyst Name**   ISP TOX

Target Compound   *Nordiazepam*
Internal Standard   *Nordiazepam-D5*
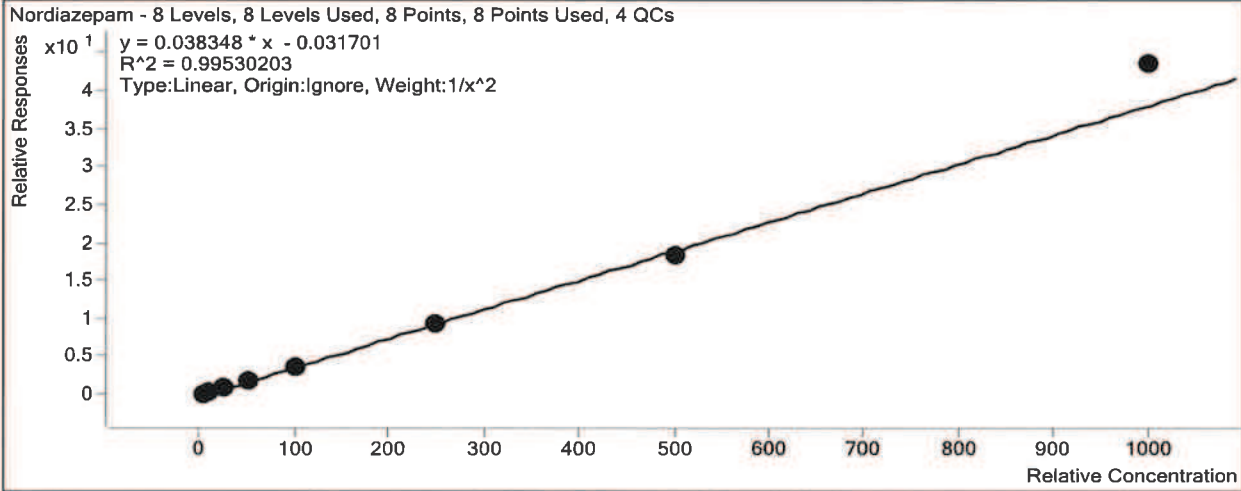
Nordiazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

y = 0.038348 * x - 0.031701
R^2 = 0.99530203
Type:Linear, Origin:Ignore, Weight:1/x^2

(Relative Responses vs Relative Concentration plot)

Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	☑	5	5.1	102.4
b cal 2-10ng.d	2	☑	10	9.8	97.7
b QC 10 (QC1).d	2	☑	10	10.5	104.7
b cal 3-25ng.d	3	☑	25	23.7	94.6
b cal 4-50ng.d	4	☑	50	49.1	98.1
b cal 5-100ng.d	5	☑	100	99.6	99.6
b QC 100 (QC2).d	5	☑	100	98.3	98.3
b cal 6-250ng.d	6	☑	250	246.6	98.6
b QC 250 (QC 3).d	6	☑	250	251.1	100.4
b cal 7-500ng.d	7	☑	500	476.9	95.4
b cal 8-1000ng.d	8	☑	1000	1134.9	113.5
b QC 1000 (QC4).d	8	☑	1000	1062.7	106.3

ISP Forensics
Calibration Curve Report

TS

Batch Data Path	C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1b wklst 2976.batch.bin
Last Calib Update	2/28/2019 9:22 AM

Analyst Name   ISP TOX

Target Compound   *Diazepam*
Internal Standard   *Diazepam-D5*

Diazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs
$y = 0.027467 * x - 0.066240$
$R^2 = 0.99676252$
Type:Linear, Origin:Ignore, Weight:1/x
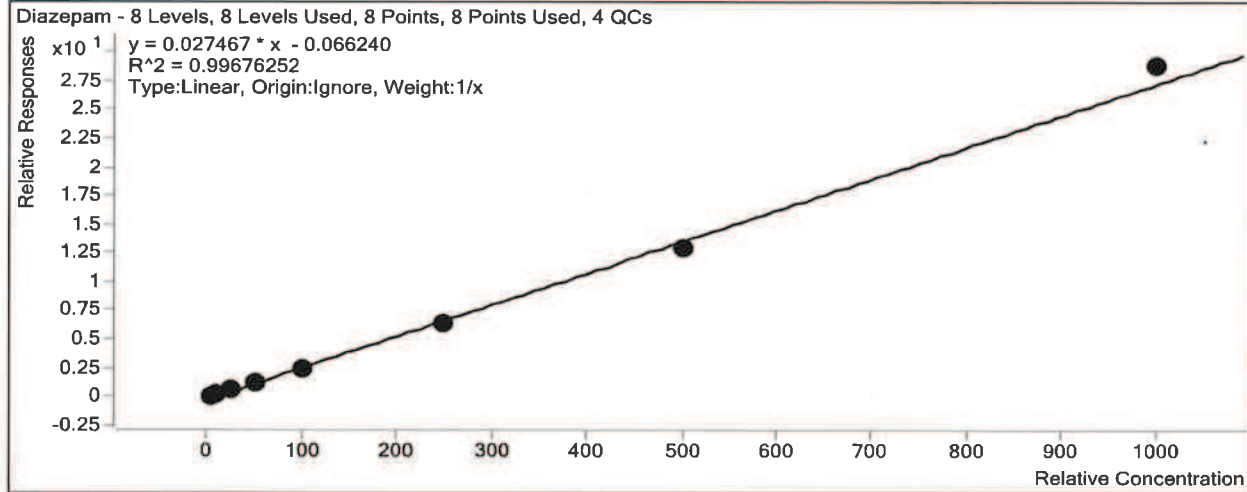
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng.d	1	☑	5	6.1	121.3
b cal 2-10ng.d	2	☑	10	10.6	106.4
b QC 10 (QC1).d	2	☑	10	10.6	105.8
b cal 3-25ng.d	3	☑	25	22.9	91.6
b cal 4-50ng.d	4	☑	50	47.1	94.2
b cal 5-100ng.d	5	☑	100	92.1	92.1
b QC 100 (QC2).d	5	☑	100	91.9	91.9
b cal 6-250ng.d	6	☑	250	235.5	94.2
b QC 250 (QC 3).d	6	☑	250	238.2	95.3
b cal 7-500ng.d	7	☑	500	475.7	95.1
b cal 8-1000ng.d	8	☑	1000	1050.0	105.0
b QC 1000 (QC4).d	8	☑	1000	978.9	97.9

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

Batch Data Path	C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1b wklst 2976.batch.bin
Analysis Time	2/28/2019 9:22 AM
Report Time	2/28/2019 9:25 AM
Last Calib Update	2/28/2019 9:22 AM

Analysis Time	2/28/2019 9:22 AM	**Analyst Name** datastor
Report Time	2/28/2019 9:25 AM	**Reporter Name** datastor
Last Calib Update	2/28/2019 9:22 AM	**Batch State** Processed

Analysis Info

Acq Time	2019-02-25 20:42	**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

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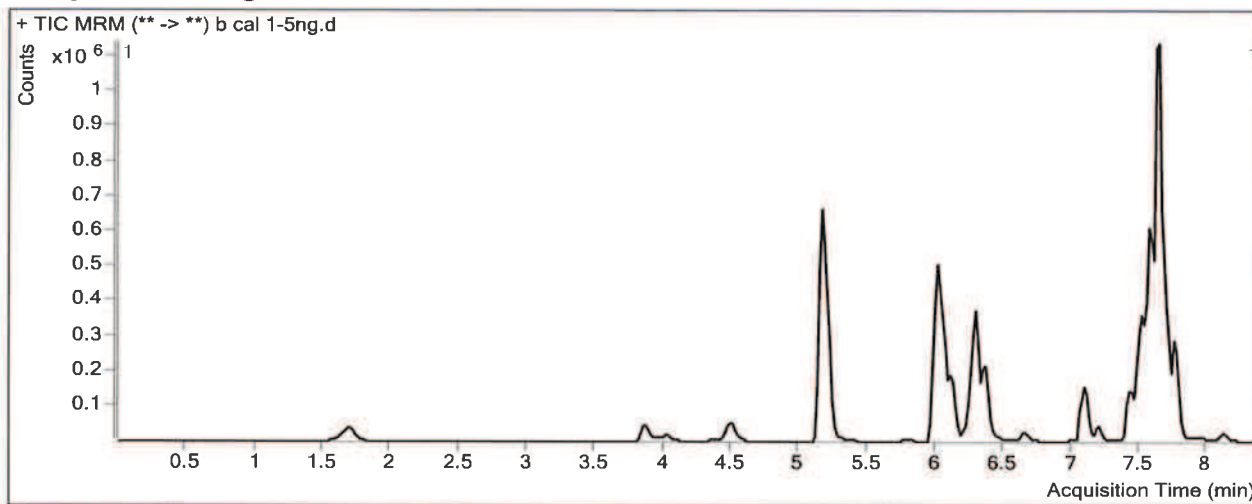
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.708	33765	274113	0.1232	5.2862
Dihydrocodeine	Dihydrocodeine-D6	4.071	9033	201587	0.0448	1.9427
Noroxycodone	Noroxycodone-D3	4.533	36532	298496	0.1224	5.2815
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.181	244154	2617520	0.0933	5.1489
Benzoylecgonine	Benzoylecgonine-d8	5.811	3936	27447	0.1434	6.1395
Ketamine	Ketamine-D4	6.022	121629	1090238	0.1116	5.1518
Norfentanyl	Norfentanyl-D5	6.064	9837	1243233	0.0079	0.6406
Cocaine	Cocaine-d3	6.272	46989	1310420	0.0359	5.2669
alpha-PVP	alpha-PVP-d8	6.368	52026	695689	0.0748	5.1341
Mirtazapine	alpha-PVP-d8	6.664	46943	695689	0.0675	12.8684
Norbuprenorphine	Norbuprenorphine-D3	6.994	340	21231	0.0160	1.7886
Fentanyl	Fentanyl-D5	7.099	5148	535346	0.0096	1.1362
Mitragynine	Methadone-D9	7.196	17502	903172	0.0194	4.6367
EDDP	EDDP-D3	7.209	9235	101699	0.0908	5.3998
Quetiapine	Quetiapine-D8	7.438	131720	310481	0.4242	5.1197
Cyclobenzaprine	Cyclobenzaprine-D3	7.472	27497	232718	0.1182	5.2467
Methadone	Methadone-D9	7.502	124633	903172	0.1380	5.1426
Fluoxetine	Fluoxetine-D6	7.542	101030	891592	0.1133	5.1690
Oxazepam	Oxazepam-D5	7.588	79091	1161983	0.0681	5.1513

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

TS

b cal 1-5ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.625	33170	389087	0.0853	5.0709
Temazepam	Temazepam-D5	7.647	265295	2975340	0.0892	5.1987
Buprenorphine	Buprenorphine-D4	7.697	3244	176045	0.0184	0.7043
Nordiazepam	Nordiazepam-D5	7.715	106035	643813	0.1647	5.1215
Diazepam	Diazepam-D5	7.771	62731	625244	0.1003	6.0645

b cal 1-5ng

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

Batch Data Path	C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1b wklst 2976.batch.bin		
Analysis Time	2/28/2019 9:22 AM	**Analyst Name**	datastor
Report Time	2/28/2019 9:25 AM	**Reporter Name**	datastor
Last Calib Update	2/28/2019 9:22 AM	**Batch State**	Processed

Analysis Info

Acq Time	2019-02-25 21:13	**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

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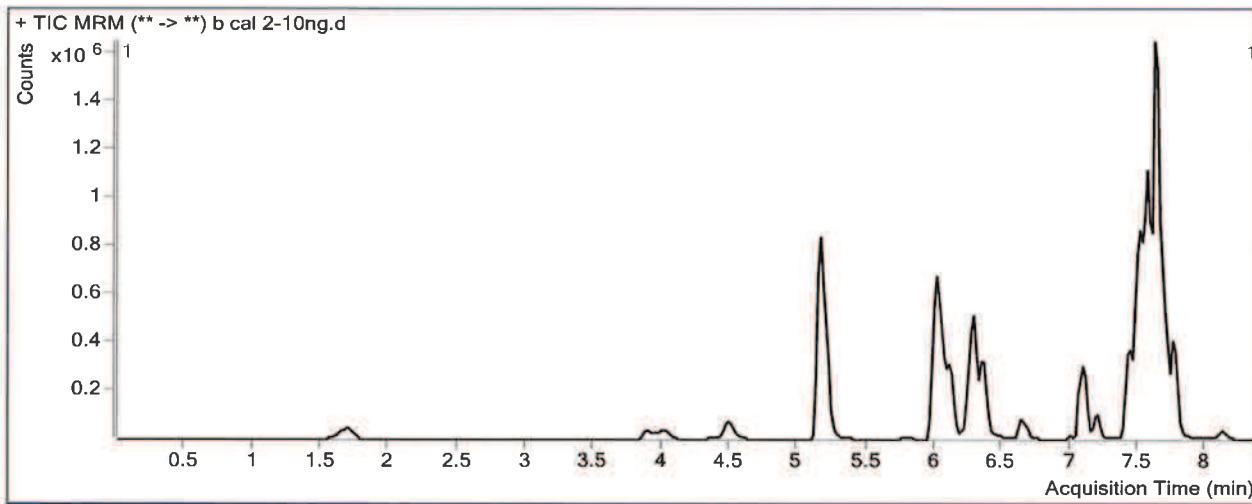
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.708	75190	307194	0.2448	9.3056
Dihydrocodeine	Dihydrocodeine-D6	4.051	57628	182954	0.3150	15.7127
Noroxycodone	Noroxycodone-D3	4.513	90564	364072	0.2488	9.3744
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.181	588897	3015846	0.1953	9.7330
Benzoylecgonine	Benzoylecgonine-d8	5.791	7084	29747	0.2382	9.1018
Ketamine	Ketamine-D4	6.022	303274	1300930	0.2331	9.7089
Norfentanyl	Norfentanyl-D5	6.064	27038	1623664	0.0167	1.0036
Cocaine	Cocaine-d3	6.272	115969	1666529	0.0696	9.2882
alpha-PVP	alpha-PVP-d8	6.368	157283	979798	0.1605	9.6781
Mirtazapine	alpha-PVP-d8	6.644	188517	979798	0.1924	18.6612
Norbuprenorphine	Norbuprenorphine-D3	6.994	695	42140	0.0165	1.8112
Fentanyl	Fentanyl-D5	7.099	12479	1066187	0.0117	1.2467
Mitragynine	Methadone-D9	7.176	80103	1876895	0.0427	9.7933
EDDP	EDDP-D3	7.209	32928	189612	0.1737	9.0575
Quetiapine	Quetiapine-D8	7.438	479456	559872	0.8564	9.6125
Cyclobenzaprine	Cyclobenzaprine-D3	7.472	119583	496127	0.2410	9.5407
Methadone	Methadone-D9	7.502	550847	1876895	0.2935	9.7768
Fluoxetine	Fluoxetine-D6	7.542	443511	1889630	0.2347	9.6547
Oxazepam	Oxazepam-D5	7.588	199290	1268823	0.1571	10.0930

TS

b cal 2-10ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.604	141391	818377	0.1728	9.8028
Temazepam	Temazepam-D5	7.647	636740	3381342	0.1883	9.6661
Buprenorphine	Buprenorphine-D4	7.697	13355	405413	0.0329	1.0615
Nordiazepam	Nordiazepam-D5	7.715	255989	746239	0.3430	9.7722
Diazepam	Diazepam-D5	7.771	166445	736541	0.2260	10.6392

Batch Data Path	C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1b wklst 2976.batch.bin		
Analysis Time	2/28/2019 9:22 AM	**Analyst Name**	datastor
Report Time	2/28/2019 9:25 AM	**Reporter Name**	datastor
Last Calib Update	2/28/2019 9:22 AM	**Batch State**	Processed

Analysis Info

Acq Time	2019-02-25 21:44	**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

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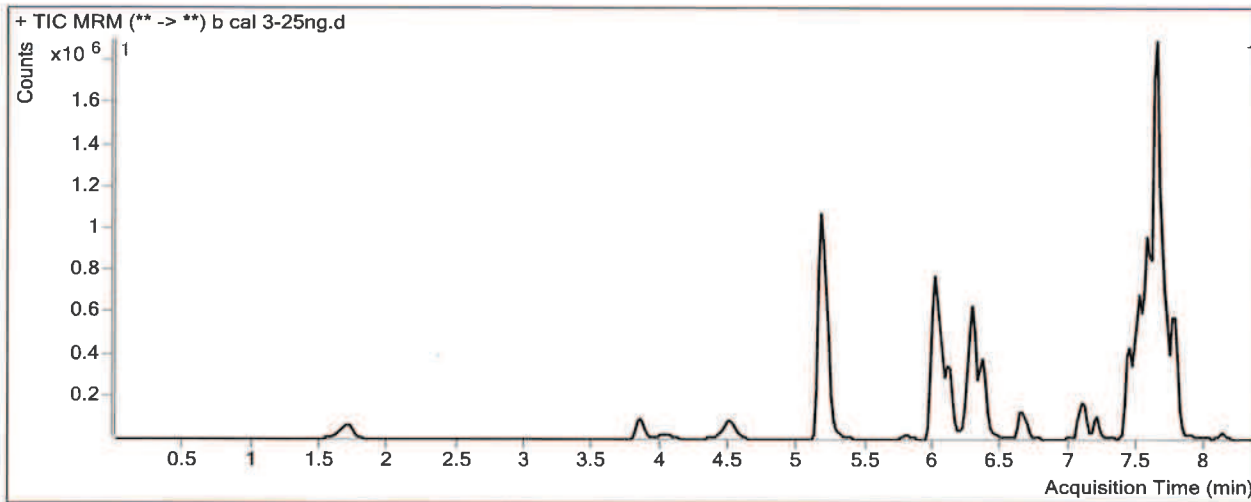
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.708	204242	318143	0.6420	22.4367
Dihydrocodeine	Dihydrocodeine-D6	4.051	51644	254145	0.2032	10.0156
Noroxycodone	Noroxycodone-D3	4.533	224766	346201	0.6492	22.3458
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.181	1542348	3097979	0.4979	23.3334
Benzoylecgonine	Benzoylecgonine-d8	5.811	21522	33270	0.6469	21.8796
Ketamine	Ketamine-D4	6.022	760545	1259526	0.6038	23.6064
Norfentanyl	Norfentanyl-D5	6.064	74407	1485857	0.0501	2.3919
Cocaine	Cocaine-d3	6.272	293650	1563091	0.1879	23.3897
alpha-PVP	alpha-PVP-d8	6.368	344041	811383	0.4240	23.6421
Mirtazapine	alpha-PVP-d8	6.664	305428	811383	0.3764	27.1946
Norbuprenorphine	Norbuprenorphine-D3	6.994	1350	24674	0.0547	3.6735
Fentanyl	Fentanyl-D5	7.099	20305	615603	0.0330	2.3725
Mitragynine	Methadone-D9	7.196	104961	1009282	0.1040	23.3640
EDDP	EDDP-D3	7.209	57037	120597	0.4730	22.2697
Quetiapine	Quetiapine-D8	7.438	775122	340986	2.2732	24.3431
Cyclobenzaprine	Cyclobenzaprine-D3	7.472	166581	283911	0.5867	21.6214
Methadone	Methadone-D9	7.502	751304	1009282	0.7444	23.2150
Fluoxetine	Fluoxetine-D6	7.562	657997	1083982	0.6070	23.4121
Oxazepam	Oxazepam-D5	7.588	410522	1124763	0.3650	21.6374

TS

b cal 3-25ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.604	218175	496855	0.4391	24.2029
Temazepam	Temazepam-D5	7.647	1631029	3368261	0.4842	23.0003
Buprenorphine	Buprenorphine-D4	7.697	16382	199220	0.0822	2.2744
Nordiazepam	Nordiazepam-D5	7.715	636110	726746	0.8753	23.6516
Diazepam	Diazepam-D5	7.771	425678	755990	0.5631	22.9119

b cal 3-25ng

Batch Data Path	C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1b wklst 2976.batch.bin		
Analysis Time	2/28/2019 9:22 AM	**Analyst Name**	datastor
Report Time	2/28/2019 9:25 AM	**Reporter Name**	datastor
Last Calib Update	2/28/2019 9:22 AM	**Batch State**	Processed

Analysis Info

Acq Time	2019-02-25 22:16	**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

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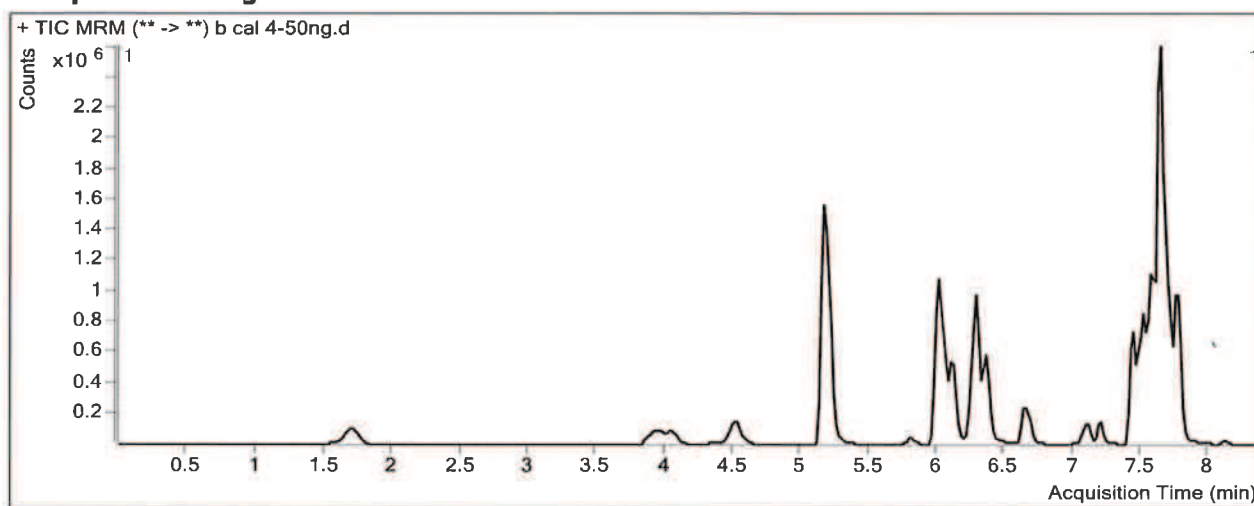
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.708	462137	323244	1.4297	48.4765
Dihydrocodeine	Dihydrocodeine-D6	4.051	179141	218233	0.8209	41.4955
Noroxycodone	Noroxycodone-D3	4.533	507747	346687	1.4646	48.7539
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.181	3415693	3267320	1.0454	47.9443
Benzoylecgonine	Benzoylecgonine-d8	5.811	44083	31223	1.4119	45.7951
Ketamine	Ketamine-D4	6.022	1668666	1334352	1.2505	47.8507
Norfentanyl	Norfentanyl-D5	6.064	153486	1551289	0.0989	4.4215
Cocaine	Cocaine-d3	6.272	645267	1663620	0.3879	47.2349
alpha-PVP	alpha-PVP-d8	6.368	781258	846763	0.9226	50.0672
Mirtazapine	alpha-PVP-d8	6.664	576437	846763	0.6808	41.3061
Norbuprenorphine	Norbuprenorphine-D3	7.035	1698	19079	0.0890	5.3435
Fentanyl	Fentanyl-D5	7.099	36004	443237	0.0812	4.9250
Mitragynine	Methadone-D9	7.196	176533	789342	0.2236	49.8445
EDDP	EDDP-D3	7.209	106465	114046	0.9335	42.6012
Quetiapine	Quetiapine-D8	7.438	1457852	314953	4.6288	48.8344
Cyclobenzaprine	Cyclobenzaprine-D3	7.472	285852	207133	1.3800	49.3439
Methadone	Methadone-D9	7.502	1258846	789342	1.5948	48.5594
Fluoxetine	Fluoxetine-D6	7.562	1066509	847836	1.2579	47.4638
Oxazepam	Oxazepam-D5	7.588	847248	999870	0.8474	48.4204

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.604	388717	417927	0.9301	50.7494
Temazepam	Temazepam-D5	7.647	3434810	3377263	1.0170	47.0081
Buprenorphine	Buprenorphine-D4	7.697	28859	164578	0.1754	4.5663
Nordiazepam	Nordiazepam-D5	7.715	1338638	723701	1.8497	49.0620
Diazepam	Diazepam-D5	7.771	963834	785016	1.2278	47.1128

TS

Batch Data Path	C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1b wklst 2976.batch.bin	
Analysis Time	2/28/2019 9:22 AM	**Analyst Name** datastor
Report Time	2/28/2019 9:25 AM	**Reporter Name** datastor
Last Calib Update	2/28/2019 9:22 AM	**Batch State** Processed

Analysis Info

Acq Time	2019-02-25 22:47	**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

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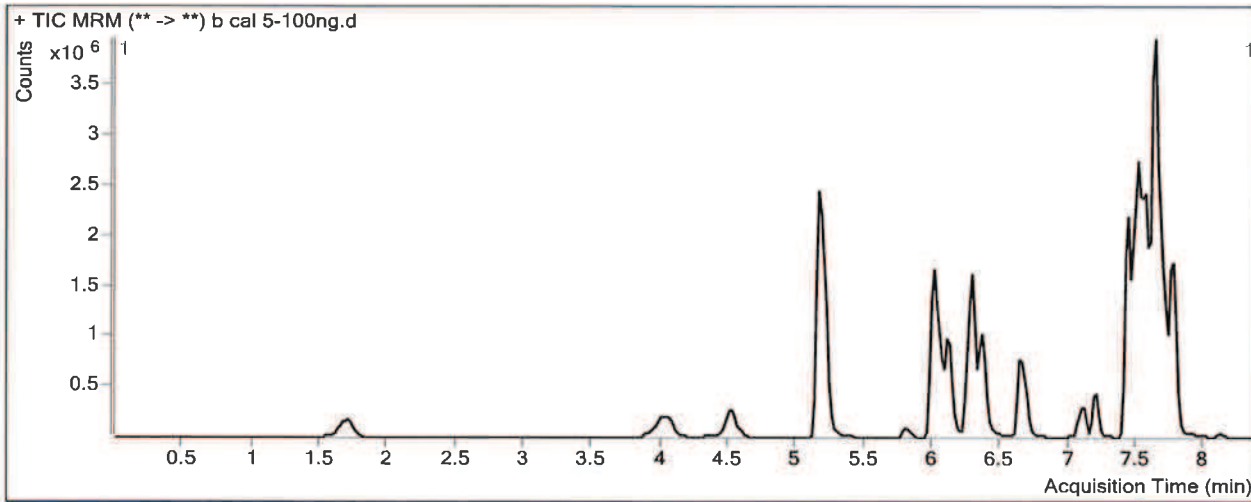
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.708	942718	318864	2.9565	98.9496
Dihydrocodeine	Dihydrocodeine-D6	4.051	772747	207906	3.7168	189.0902
Noroxycodone	Noroxycodone-D3	4.533	1028230	354716	2.8987	95.2060
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.181	7100849	3268700	2.1724	98.5978
Benzoylecgonine	Benzoylecgonine-d8	5.811	108495	32172	3.3724	107.0841
Ketamine	Ketamine-D4	6.022	3631160	1403777	2.5867	97.9416
Norfentanyl	Norfentanyl-D5	6.064	340283	1588140	0.2143	9.2116
Cocaine	Cocaine-d3	6.272	1410715	1720799	0.8198	98.7315
alpha-PVP	alpha-PVP-d8	6.368	1763291	950954	1.8542	99.4379
Mirtazapine	alpha-PVP-d8	6.644	1842689	950954	1.9377	99.5922
Norbuprenorphine	Norbuprenorphine-D3	7.014	5779	31420	0.1839	9.9665
Fentanyl	Fentanyl-D5	7.099	142198	905096	0.1571	8.9395
Mitragynine	Methadone-D9	7.176	745490	1526532	0.4884	108.4292
EDDP	EDDP-D3	7.209	323565	140999	2.2948	102.6942
Quetiapine	Quetiapine-D8	7.438	4562846	461427	9.8886	103.5203
Cyclobenzaprine	Cyclobenzaprine-D3	7.472	1170478	411366	2.8453	100.5495
Methadone	Methadone-D9	7.502	4903099	1526532	3.2119	96.7537
Fluoxetine	Fluoxetine-D6	7.562	3973763	1472172	2.6993	100.7232
Oxazepam	Oxazepam-D5	7.588	1073756	710038	1.5123	85.3378

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.604	1169461	625404	1.8699	101.5623
Temazepam	Temazepam-D5	7.647	6308624	3016111	2.0916	95.4291
Buprenorphine	Buprenorphine-D4	7.697	111400	312990	0.3559	9.0104
Nordiazepam	Nordiazepam-D5	7.715	2449720	646672	3.7882	99.6122
Diazepam	Diazepam-D5	7.771	1956778	794310	2.4635	92.1021

b cal 5-100ng

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

Batch Data Path	C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1b wklst 2976.batch.bin
Analysis Time	2/28/2019 9:22 AM
Report Time	2/28/2019 9:25 AM
Last Calib Update	2/28/2019 9:22 AM

Analysis Time	2/28/2019 9:22 AM	**Analyst Name**	datastor
Report Time	2/28/2019 9:25 AM	**Reporter Name**	datastor
Last Calib Update	2/28/2019 9:22 AM	**Batch State**	Processed

Analysis Info

Acq Time	2019-02-25 23:19	**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

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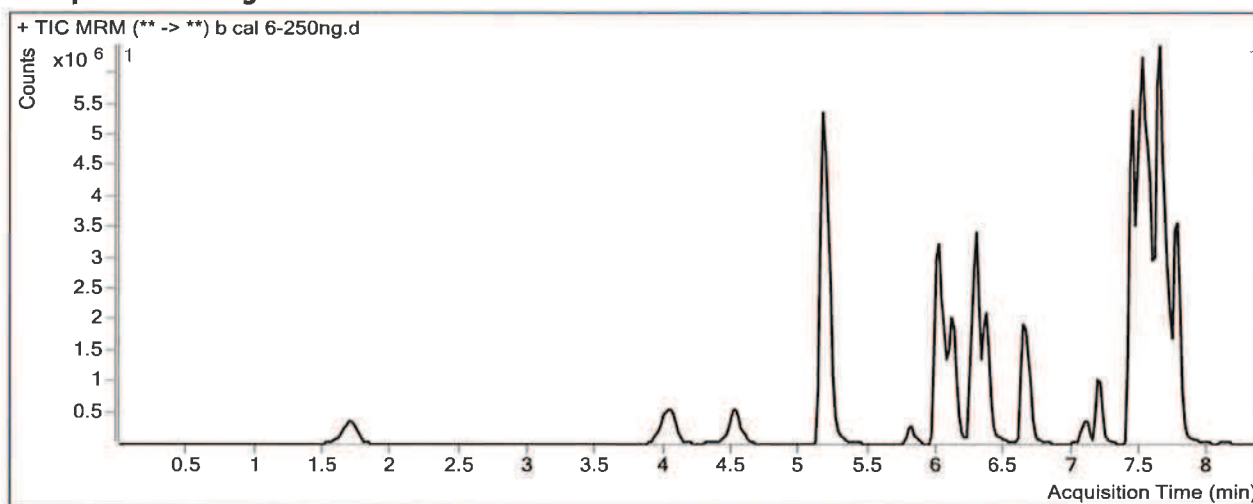
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.708	2359532	304411	7.7511	257.4512
Dihydrocodeine	Dihydrocodeine-D6	4.051	1962217	388614	5.0493	257.0003
Noroxycodone	Noroxycodone-D3	4.533	2431328	313342	7.7593	252.6384
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.181	18913650	3266022	5.7910	261.2451
Benzoylecgonine	Benzoylecgonine-d8	5.791	340048	35316	9.6288	302.6720
Ketamine	Ketamine-D4	6.022	9315705	1408099	6.6158	248.9867
Norfentanyl	Norfentanyl-D5	6.064	844300	1522503	0.5545	23.3455
Cocaine	Cocaine-d3	6.272	3493458	1651268	2.1156	253.2233
alpha-PVP	alpha-PVP-d8	6.368	4289106	913039	4.6976	250.1259
Mirtazapine	alpha-PVP-d8	6.644	4576783	913039	5.0127	242.1791
Norbuprenorphine	Norbuprenorphine-D3	7.014	12949	28251	0.4583	23.3334
Fentanyl	Fentanyl-D5	7.099	346457	848636	0.4083	22.2265
Mitragynine	Methadone-D9	7.176	1781952	1473520	1.2093	267.9903
EDDP	EDDP-D3	7.209	951326	161619	5.8862	261.2354
Quetiapine	Quetiapine-D8	7.438	11530787	454517	25.3693	264.4739
Cyclobenzaprine	Cyclobenzaprine-D3	7.472	2933919	393490	7.4561	261.6765
Methadone	Methadone-D9	7.502	12569377	1473520	8.5302	255.2517
Fluoxetine	Fluoxetine-D6	7.542	8846331	1316345	6.7204	249.3097
Oxazepam	Oxazepam-D5	7.588	1672562	359623	4.6509	259.6056

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.604	2490629	555929	4.4801	242.6866
Temazepam	Temazepam-D5	7.647	12531993	2253445	5.5613	251.7680
Buprenorphine	Buprenorphine-D4	7.697	290890	299581	0.9710	24.1480
Nordiazepam	Nordiazepam-D5	7.715	4446194	471810	9.4237	246.5702
Diazepam	Diazepam-D5	7.771	4639431	724575	6.4030	235.5298

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

Batch Data Path	C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1b wklst 2976.batch.bin		
Analysis Time	2/28/2019 9:22 AM	**Analyst Name**	datastor
Report Time	2/28/2019 9:25 AM	**Reporter Name**	datastor
Last Calib Update	2/28/2019 9:22 AM	**Batch State**	Processed

Analysis Info

Acq Time	2019-02-25 23:51	**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

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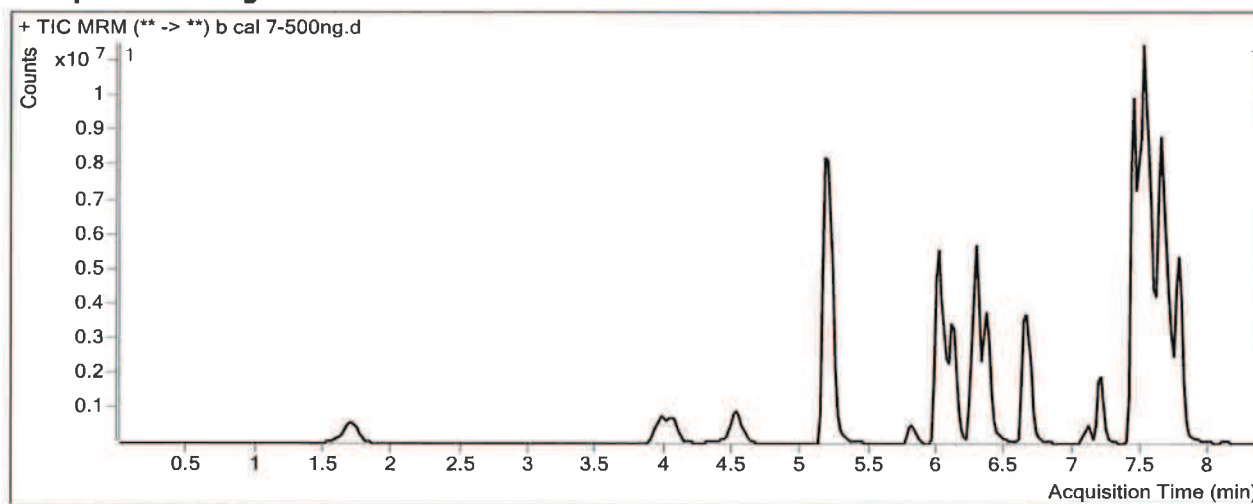
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.708	4004823	248896	16.0904	533.1281
Dihydrocodeine	Dihydrocodeine-D6	3.970	1934954	211462	9.1503	466.0160
Noroxycodone	Noroxycodone-D3	4.533	4066017	263000	15.4602	502.0632
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.201	33322589	2750984	12.1130	545.3960
Benzoylecgonine	Benzoylecgonine-d8	5.811	698294	31192	22.3871	701.5191
Ketamine	Ketamine-D4	6.022	16927892	1236166	13.6939	514.3333
Norfentanyl	Norfentanyl-D5	6.064	1522806	1300705	1.1708	48.9402
Cocaine	Cocaine-d3	6.272	6224725	1400100	4.4459	531.0487
alpha-PVP	alpha-PVP-d8	6.368	7720025	826291	9.3430	496.3125
Mirtazapine	alpha-PVP-d8	6.664	8831639	826291	10.6883	505.3582
Norbuprenorphine	Norbuprenorphine-D3	7.014	23288	23747	0.9807	48.7757
Fentanyl	Fentanyl-D5	7.099	682645	733884	0.9302	49.8399
Mitragynine	Methadone-D9	7.176	3183186	1330886	2.3918	529.6898
EDDP	EDDP-D3	7.209	1890435	150770	12.5385	554.8951
Quetiapine	Quetiapine-D8	7.438	21773758	431855	50.4191	524.9168
Cyclobenzaprine	Cyclobenzaprine-D3	7.472	5189531	343628	15.1022	528.8707
Methadone	Methadone-D9	7.502	24399596	1330886	18.3334	547.4124
Fluoxetine	Fluoxetine-D6	7.562	15499777	1064426	14.5616	539.0559
Oxazepam	Oxazepam-D5	7.588	1993407	200567	9.9389	553.2130

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

b cal 7-500ng

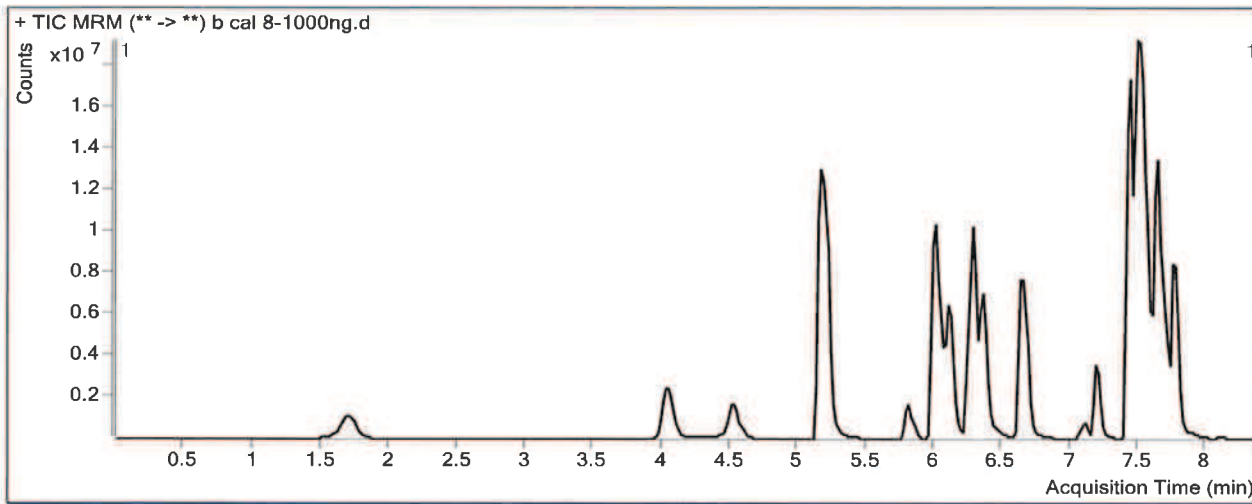| Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.625	4123380	430736	9.5729	518.0338
Temazepam	Temazepam-D5	7.647	18195921	1571858	11.5761	522.7911
Buprenorphine	Buprenorphine-D4	7.697	528292	243176	2.1725	53.7181
Nordiazepam	Nordiazepam-D5	7.715	5557382	304378	18.2581	476.9477
Diazepam	Diazepam-D5	7.771	7262852	558726	12.9989	475.6753

Batch Data Path	C:\MassHunter\Data\2019\AM 28\022519 MDQ P1 P2 TS\QuantResults\P1b wklst 2976.batch.bin		
Analysis Time	2/28/2019 9:22 AM	**Analyst Name**	datastor
Report Time	2/28/2019 9:25 AM	**Reporter Name**	datastor
Last Calib Update	2/28/2019 9:22 AM	**Batch State**	Processed

Analysis Info

Acq Time	2019-02-26 00:22	**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

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

Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.708	7882050	246180	32.0174	1059.6428
Dihydrocodeine	Dihydrocodeine-D6	4.051	6753075	358867	18.8178	958.7271
Noroxycodone	Noroxycodone-D3	4.533	8118999	224896	36.1011	1170.6118
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.181	58814894	2692011	21.8479	982.9521
Benzoylecgonine	Benzoylecgonine-d8	5.811	2077693	30574	67.9557	2126.0828
Ketamine	Ketamine-D4	6.022	35752129	1226836	29.1417	1093.4522
Norfentanyl	Norfentanyl-D5	6.064	2865646	1147432	2.4974	104.0452
Cocaine	Cocaine-d3	6.272	11738124	1302774	9.0101	1075.2063
alpha-PVP	alpha-PVP-d8	6.368	15898375	787673	20.1840	1070.8416
Mirtazapine	alpha-PVP-d8	6.664	18702282	787673	23.7437	1110.7403
Norbuprenorphine	Norbuprenorphine-D3	7.014	43645	20930	2.0853	102.5810
Fentanyl	Fentanyl-D5	7.099	1224872	627196	1.9529	103.9499
Mitragynine	Methadone-D9	7.176	5301662	1240452	4.2740	946.2522
EDDP	EDDP-D3	7.209	3992901	161948	24.6554	1089.7886
Quetiapine	Quetiapine-D8	7.438	38094345	430152	88.5602	921.4698
Cyclobenzaprine	Cyclobenzaprine-D3	7.472	9325180	315222	29.5829	1034.9079
Methadone	Methadone-D9	7.502	42022365	1240452	33.8767	1010.6442
Fluoxetine	Fluoxetine-D6	7.542	23480223	841202	27.9127	1032.3984
Oxazepam	Oxazepam-D5	7.588	3001187	147868	20.2965	1128.3044

TS

b cal 8-1000ng

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.604	6395553	271230	23.5798	1275.3403
Temazepam	Temazepam-D5	7.647	29154299	1167339	24.9750	1126.5394
Buprenorphine	Buprenorphine-D4	7.677	951711	199912	4.7607	117.4166
Nordiazepam	Nordiazepam-D5	7.715	8515560	195814	43.4880	1134.8703
Diazepam	Diazepam-D5	7.771	12509619	434774	28.7727	1049.9644