REVIEWED

By Anne Nord at 3:46 pm, Sep 09, 2020



Worklist: 4499

LAB CASE	<u>ITEM</u>	ITEM TYPE	DESCRIPTION
M2020-2985	3	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ
M2020-3076	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ
M2020-3227	2	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ
M2020-3248	2	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ
M2020-3382	3	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ
P2020-2313	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ
P2020-2379	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ
P2020-2471	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ
P2020-2491	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ
P2020-2507	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ
P2020-2534	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ
P2020-2623	2	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ
P2020-2627	1	UCK	AM 28 Urine Multi-Drug Confirmation Panel 1 by LC-QQ



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

Extraction Date: 09/03/2020

Plate lot#: IDP-107-2-200511

Mobile phase A: 5 mM Amm Form + 0.01% FA

Blank Blood Lot: Hemostat 445283-4

Blank Urine Lot: POCO31319

LCMS-QQQ ID: 069901

Analyst: Sarah Pickle

Plate Expiration: 11/11/2020 Click here to enter text. **Mobile phase B:** 0.01% Formic Acid in MeOH

Column: Phenomenex Phenyl Hexyl (4.6x50mm, 2.6um)

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.

Analytic:

- ☑ 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- Urine hydrolysis pipette 250 ul urine in blank well, add 40 ul BG Turbo, add 100 ul 500 mm sodium phosphate buffer, mix for at least 5 minutes at ambient temperature. Pipette 250μL blood (calibrated pipette) or 250μL hydrolyzed urine in wells of analytical (standards) plate. Pipette ID: #16
- ☑ 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- × 4. Pipette 250μL 0.5M ammonium hydroxide in wells of analytical plate.
- ⊠ 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- ⊠ 6. Transfer 300μL of blood+base/urine+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)
- \boxtimes 8. Wait 5 minutes.
- ∅ 9. Add 900uL ethyl acetate.
- \boxtimes 10. Wait 5 minutes.
- □ 11. Apply positive pressure for approx. 15 seconds. (10-15 PSI- Selector to the left).
- □ 12. Add 900uL ethyl acetate.
- \boxtimes 13. Wait 5 minutes.
- △ 14. Apply positive pressure for approx. 15 seconds. (10-15 PSI- Selector to the left).
- ⊠ 16. Reconstitute in 100μL 20% MeOH and heat seal plate with foil.

Post-Analytic

- \boxtimes 1. Create batch and process data.
- \boxtimes 3. Integration linear and R² values \ge 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? Yes, see comments Add Control data to QC tracking spreadsheet.
- ☑ 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports.

COMMENTS: Hands of the analyst Sophie Jackson

Curves limited: Amphetamine 5-500, Lamotrigine 5-500, Lorazepam 5-250, Meprobamate 5-500, Mitragynine 5-500, Norbuprenorphine 2.5-100



Batch results

D:\MassHunter\Data\2020\AM 27-28\090320 AM 27 28 SJ SP\QuantResults\AM 28.batch.bin

Calibration Last Update 9/8/2020 8:11:12 AM

Instrument

nent Fa

Type Acq. Method Sample

Sample Position
Injection Volume

2 2

Acq. Date-Time

Sample Info.

Falco

MDQ P1 060520.m

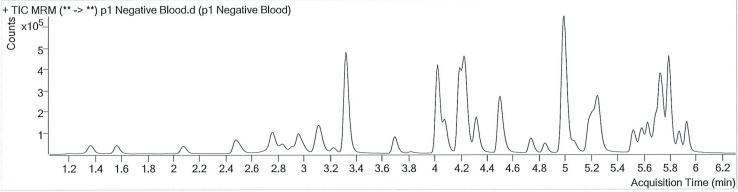
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9/3/2020 8:52:27 PM

Data File

Sample Operator Comment p1 Negative Blood.d p1 Negative Blood

Sarah Pickle





Batch results
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Calibration Last Update
9/8/2020 8:11:12 AM

Instrument

Falco

Type
Acq. Method

Sample MDQ P1 060520.m

Sample Position
Injection Volume

P5-G10

Acq. Date-Time

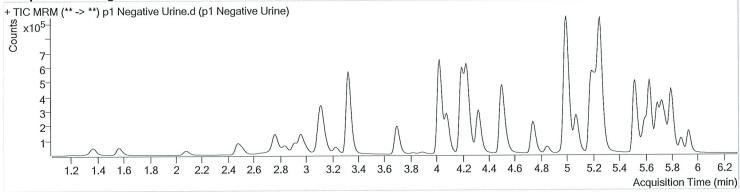
9/3/2020 9:34:50 PM

Sample Info.

Data File Sample Operator

Comment

p1 Negative Urine.d p1 Negative Urine Sarah Pickle



Batch results

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Calibration Last Update 9/8/2020 8:11:12 AM

Instrument **Type**

Falco

Sample Acq. Method

Sample Position Injection Volume

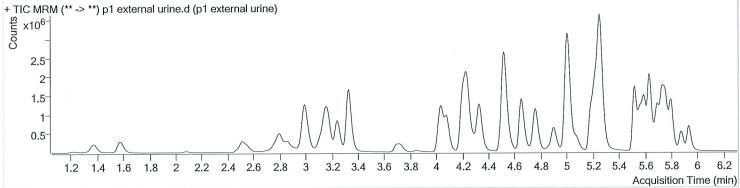
Acq. Date-Time Sample Info.

MDQ P1 060520.m P5-E10

9/3/2020 9:13:39 PM

Data File Sample Operator Comment

p1 external urine.d p1 external urine Sarah Pickle



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.105	32959	891.75	72.0	∞	68242	10.4075 ng/ml
7-aminoclonazepam	4.243	455435	1471.60	82.3	2584.93	164062	104.1037 ng/ml
a-hydroxyalprazolam	5.674	251987	936.73	59.8	1077.91	58512	107.9707 ng/ml
alpha-PHP	4.902	465289	18065.71	263.6	71344.68	769044	132.1246 ng/ml
alpha-PVP	4.336	1834588	1091.86	49.9	1224.49	769044	103.6396 ng/ml
Alprazolam	5.758	817969	1950.87	105.4	00	215300	104.2439 ng/ml
Amphetamine	2.997	2175346	∞	49.8	31301.04	219547	101.0862 ng/ml
Benzoylecgonine	3.845	57229	701.51	8.0	149.06	20091	103.9045 ng/ml
Buprenorphine	5.857	68901	3419.23	16.2	377.23	252261	10.8422 ng/ml
Bupropion	4.760	1830406	147857.13	59.8	6241.78	547150	108.2530 ng/ml
Carisoprodol	5.707	492372	48565.22	53.7	858.64	222537	110.4170 ng/ml
Citalopram	5.183	1409530	1711.80	42.6	495.70	606383	104.6497 ng/ml
Clonazepam	5.588	1027893	2922.70	32.4	16953.36	118841	103.1250 ng/ml
Cocaine	4.229	1742646	70948.22	44.5	51053.87	1145922	105.5303 ng/ml
Codeine	2.556	177145	8295.67	102.6	1272.42	75965	103.4471 ng/ml
Cyclobenzaprine	5.605	1115356	1619.70	10.0	507.48	419736	111.4968 ng/ml
Dextromethorphan	5.226	878997	1135156.98	79.4	33524.29	393268	106.8531 ng/ml
Dextrorphan .	4.084	495518	26898.26	210.7	2817.43	606941	102.8956 ng/ml
Diazepam	5.936	634922	765.98	87.5	3114.11	286249	105.9167 ng/ml
Dihydrocodeine	2.515	455269	∞	64.5	14243.07	234056	110.1654 ng/ml
Diphenhydramine	5.260	2641715	3424.45	33.1	4235.67	1932241	103.2919 ng/ml
Doxylamine	4.521	3629011	89165.38	98.3	∞	1406031	106.0356 ng/ml
EDDP	5.218	1104510	1496.61	43.1	7382.20	579255	101.5473 ng/ml
Fentanyl	5.087	148968	∞	66.2	7005.41	649683	10.7537 ng/ml
Fluoxetine	5.690	1079862	3664.19	8.8	2164.19	424685	105.4561 ng/ml
Hydrocodone	2.993	562539	996.63	40.8	252.93	367175	101.7176 ng/ml
Hydromorphone	1.581	483499	965.04	78.2	497.28	152670	101.9176 ng/ml
Ketamine	4.043	1340885	89084.87	40.2	3362.45	566343	106.8864 ng/ml
Lamotrigine	4.259	119486	3201.75	83.8	24489.61	566343	96.0774 ng/ml
Lorazepam	5.729	741654	4363.45	56.7	814.93	118841	99.0125 ng/ml
MDA	3.143	1528977	5027.55	19.1	1161.87	301343	111.3516 ng/ml
MDMA	3.244	1413732	15770.20	60.7	19044.28	119140	108.2686 ng/ml
Meprobamate	4.876	222535	∞	26.1	289.62	120233	108.0022 ng/ml





Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.636	2244384	49760.86	51.7	3991.33	1005895	107.1044 ng/ml
Methamphetamine	3.171	1532204	2342.07	42.0	6633.02	714303	118.3035 ng/ml
Metoprolol	4.285	287853	∞	96.6	∞	1500584	119.9693 ng/ml
Mirtazapine	4.650	2686163	25176.16	49.1	7325.87	1005895	61.7392 ng/ml
Mitragynine	5.221	473994	12580.08	38.3	13965.60	1005895	119.8119 ng/ml
Morphine	1.220	75668	635.95	22.9	237.58	8026	106.5488 ng/ml
Norbuprenorphine	4.950	8898	1627.76	85.1	00	36186	10.9309 ng/ml
Nordiazepam	5.882	593639	2442.39	58.7	8650.69	180674	107.6460 ng/ml
Norfentanyl	4.044	255954	2253.85	37.8	1504.14	1133967	10.9292 ng/ml
Norhydrocodone	3.027	58742	514.97	40.8	66.04	53344	101.6391 ng/ml
Noroxycodone	2.864	548714	2209.71	47.0	2811.36	170657	108.8113 ng/ml
O-desmethyl-tramadol	3.330	2979012	3241.80	6.0	2074.81	1487824	104.4644 ng/ml
Oxazepam	5.732	836434	14810.88	72.1	1375.28	506528	101.4757 ng/ml
Oxycodone	2.796	1262968	2979.35	31.0	8368.90	507224	107.0685 ng/ml
Oxymorphone	1.376	465576	1945.70	47.0	00	164024	104.0985 ng/ml
Phentermine	3.729	413064	∞	2.9	550.65	536771	113.4467 ng/ml
Promethazine	5.522	2425026	2322.14	30.9	13053.01	1027707	105.9731 ng/ml
Quetiapine	5.559	1377330	∞	61.1	23694.94	167252	105.6971 ng/ml
Sertraline	5.765	381049	1189.63	92.3	15122.56	154030	96.9953 ng/ml
Temazepam	5.799	1469552	1008.74	30.8	1821.79	718827	101.1148 ng/ml
Tramadol	4.205	3064372	6114.26	3.4	1898.27	1500584	103.5342 ng/ml
Trazodone	5.256	1837329	∞	78.4	∞	794781	101.9434 ng/ml
Venlafaxine	5.001	2416539	1796.40	36.4	5688.22	1168991	109.6581 ng/ml
Zolpidem	5.007	3122010	152973.52	30.7	304364.71	1442147	106.8997 ng/ml

p1 QC 10.d

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p1 QC 10



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Data File

Operator

Comment

Sample

Instrument Type Acq. Method Falco

QC

MDQ P1 060520.m

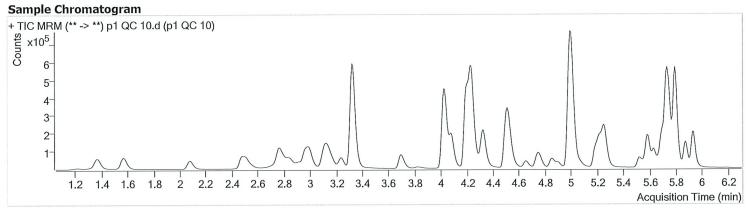
Sample Position

P5-A10

Injection Volume

Acq. Date-Time Sample Info.

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Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.105	2737	∞	73.4	147.65	60089	0.9500 ng/ml
7-aminoclonazepam	4.243	52717	1508.93	81.2	320.93	196777	9.9527 ng/ml
a-hydroxyalprazolam	5.674	29879	579.91	59.4	1184.07	72366	9.8865 ng/ml
alpha-PHP	4.902	19808	558.95	266.0	2454.80	444103	8.6596 ng/ml
alpha-PVP	4.336	102365	406.01	50.7	527.15	444103	10.1463 ng/ml
Alprazolam	5.751	104774	4603.65	107.4	1830.19	301882	10.2094 ng/ml
Amphetamine	2.997	95777	1049.49	45.9	298.30	84371	10.0988 ng/ml
Benzoylecgonine	3.845	5736	422.91	8.8	75.40	19762	10.7125 ng/ml
Buprenorphine	5.857	1190	14.82	14.0	50.73	49644	1.0331 ng/ml
Bupropion	4.766	61541	2278.06	60.0	275.24	195476	10.0960 ng/ml
Carisoprodol	5.707	60864	155.02	53.9	∞	295673	10.0594 ng/ml
Citalopram	5.190	32345	219.49	41.8	937.15	143401	10.0435 ng/ml
Clonazepam	5.588	129390	10474.60	32.6	3041.93	152183	9.9995 ng/ml
Cocaine	4.229	134459	5873.62	42.7	158705.40	897734	10.4896 ng/ml
Codeine	2.550	14937	727.26	102.6	422.99	69852	8.4243 ng/ml
Cyclobenzaprine	5.605	8677	366.14	9.4	57.13	33260	10.6000 ng/ml
Dextromethorphan	5.226	12866	198.52	80.4	147.35	59928	10.2542 ng/ml
Dextrorphan	4.084	27649	2469.68	212.9	851.53	348007	10.2044 ng/ml
Diazepam	5.936	69110	814.09	88.2	1464.54	326388	10.0028 ng/ml
Dihydrocodeine	2.515	38328	2005.82	65.0	404.31	204284	10.0108 ng/ml
Diphenhydramine	5.260	52987	824.54	32.1	436.20	394261	10.4509 ng/ml
Doxylamine	4.521	197776	4378.40	98.1	5495.87	809290	9.7885 ng/ml
EDDP	5.225	47764	1261.27	42.3	156 . 46	254796	10.4338 ng/ml
Fentanyl	5.087	1202	242.11	57.6	10.99	48076	1.1453 ng/ml
Fluoxetine	5.697	6780	134.15	9.5	00	25920	10.7679 ng/ml
Hydrocodone	2.993	46509	464.74	38.8	305.91	295924	9.6792 ng/ml
Hydromorphone	1.581	43667	∞	77.3	441.18	141363	9.7579 ng/ml
Ketamine	4.043	102784	2334.76	39.6	784.57	427970	10.3517 ng/ml
Lamotrigine	4.266	10388	727.59	86.0	510.81	427970	10.1648 ng/ml
Lorazepam	5.729	113372	889.44	55. 6	1168.25	152183	10.6801 ng/ml
MDA	3.150	81069	1270.11	19.4	40.84	160868	10.5070 ng/ml
MDMA	3.244	71056	∞	59.7	1876.23	62670	10.1326 ng/ml
Meprobamate	4.876	23815	927.57	27.1	152.70	132490	9.7265 ng/ml

p1 QC 10

Generated at 11:17 AM on 9/8/2020

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.636	34517	595.72	53.0	138.24	158955	10.4251 ng/ml
	3.171	57575	92.52	42.6	272.71	234857	11.3498 ng/ml
Methamphetamine	4.292	17306	544.48	99.4	658.06	1070724	8.8888 ng/ml
Metoprolol	4.650	70768	1296.10	50.0	29991.76	158955	11.3488 ng/ml
Mirtazapine	5.221	6978	544.95	35.0	176.99	158955	10.8609 ng/ml
Mitragynine	1.226	7513	1247.46	23.8	727.56	8176	9.8419 ng/ml
Morphine	4.951	193	21.82	74.7	298.78	6103	0.8605 ng/ml *
Norbuprenorphine	5.882	68304	00	57.4	631.32	210468	10.2852 ng/ml
Nordiazepam	4.044	16717	399,49	36.3	89.94	732686	1.0080 ng/ml
Norfentanyl		4990	118.30	43.0	43.17	53822	9.4050 ng/ml
Norhydrocodone	3.021	43599	441.05	48.5	569.93	142623	10.2222 ng/ml
Noroxycodone	2.864	267110	1553.62	6.0	392.61	1371123	9.8100 ng/ml
O-desmethyl-tramadol	3.330	117914	1070.92	71.8	190.63	698053	10.2394 ng/ml
Oxazepam	5.732	96939	18615.19	31.4	705.92	406490	9.9456 ng/ml
Oxycodone	2.796	44824	851.62	46.7	265,83	160797	10.0521 ng/ml
Oxymorphone	1.370	16368	388.88	2.8	7.31 Low	223177	10.3856 ng/ml
Phentermine	3.729	18649	120.16	34.7	133.50	83513	10.0483 ng/ml
Promethazine	5.522		120.10	60.5	250372.00	52469	10.5462 ng/ml
Quetiapine	5.559	43234	136.57	97.8	∞	13093	11.8516 ng/ml
Sertraline	5.765	3510	2533.73	29.6	262.45	955445	10.2332 ng/ml
Temazepam	5.799	192764		3.4	96.20	1070724	9.7700 ng/ml
Tramadol	4.205	225381	2430.35	76.3	4069.16	152363	9.9390 ng/ml
Trazodone	5.256	36941	616.71		1236.12	666359	10.8014 ng/ml
Venlafaxine	5.001	134669	818.20	35.9	84.67	1309027	10.1504 ng/ml
Zolpidem	5.014	276854	28260.63	31.0	04.07	1303027	101130 (119/111

^{*}Outside curve range



Batch results

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Calibration Last Update 9/8/2020 8:11:12 AM

Instrument **Type**

Falco

Acq. Method **Sample Position**

Injection Volume

Acq. Date-Time Sample Info.

QC MDQ P1 060520.m

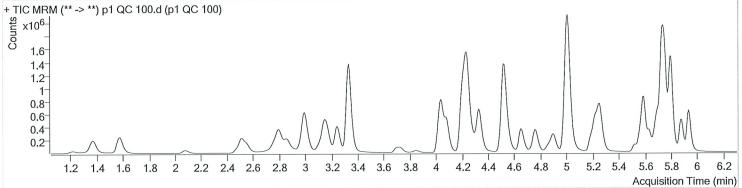
P5-B10

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Data File Sample

Operator Comment p1 QC 100.d p1 QC 100

Sarah Pickle



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.105	26489	7679.54	72.9	15922.29	54719	10.4319 ng/ml
7-aminoclonazepam	4.243	488488	6370.32	82.1	37075.32	177303	103.3196 ng/ml
a-hydroxyalprazolam	5.674	270275	966.04	62.4	1496.66	64138	105.6381 ng/ml
alpha-PHP	4.902	186484	60776.34	267.4	38784.87	397915	102.0811 ng/ml
alpha-PVP	4.336	947997	2227.07	50.0	612.25	397915	103.5038 ng/ml
Alprazolam	5.751	927785	00	105.4	2362.17	248792	102.3355 ng/ml
Amphetamine	2.997	855007	10134.14	49.0	11448.89	80643	108.2836 ng/ml
Benzoylecgonine	3.845	54897	3560.61	7.5	00	18991	105.4409 ng/ml
Buprenorphine	5.857	10210	1036.54	16.3	∞	40474	10.0209 ng/ml
Bupropion	4.760	554155	32910.11	60.9	1431.47	171247	104.7113 ng/ml
Carisoprodol	5.700	551503	1158.92	55.2	5849.48	260233	105.7522 ng/ml
Citalopram	5.190	297116	5693.14	42.5	4342.33	129450	103.3306 ng/ml
Clonazepam	5.588	1182096	1222.27	32.7	00	136847	102.9906 ng/ml
Cocaine	4.229	1214890	64718.09	44.5	45310.36	807883	104.3559 ng/ml
Codeine	2.550	137386	244.29	105.7	32224.74	60089	101.4044 ng/ml
Cyclobenzaprine	5.605	66711	95275.54	9.6	139.11	26485	105.6689 ng/ml
Dextromethorphan	5.226	119500	487898.51	79.5	1900.38	53531	106.7207 ng/ml
Dextrorphan	4.084	257739	20214.83	213.9	10144.85	322150	100.8378 ng/ml
Diazepam	5.936	618906	5937.18	87.0	1256.80	279205	105.8498 ng/ml
Dihydrocodeine	2.515	355703	38611.05	64.5	28068.37	186797	107.8339 ng/ml
Diphenhydramine	5.260	489753	∞	30.6	8689.00	357372	103.5368 ng/ml
Doxylamine	4.521	1895023	71165.93	97.6	63568.98	747438	104.1543 ng/ml
EDDP	5.218	516071	628.31	43.3	433.74	272793	100.7539 ng/ml
Fentanyl	5.087	8894	237.68	65.2	12720.23	42501	9.8123 ng/ml
Fluoxetine	5.690	42122	340.57	9.1	00	18006	97.0125 ng/ml
Hydrocodone	2.993	449955	112.66	37.2	208.54	264438	113.0625 ng/ml
Hydromorphone	1.581	415941	364.30	75.6	1027.63	128729	103.9875 ng/ml
Ketamine	4.043	923103	37806.23	39.8	8815.78	379347	109.8712 ng/ml
Lamotrigine	4.259	97705	3880.60	83.4	12311.89	379347	117.5126 ng/ml
Lorazepam	5.729	895803	∞	57.3	8226.53	136847	103.9190 ng/ml
MDA	3.150	773919	23598.11	20.1	1221.81	150907	112.5560 ng/ml
MDMA	3.244	691471	111295.08	61.2	7001.07	58339	108.1458 ng/ml
Meprobamate	4.876	229030	13688.14	26.5	653.72	122334	109.2559 ng/ml



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.636	315698	2492,12	52.0	2185.94	144091	105.1718 ng/ml
	3.171	437453	5722.89	42.6	4363.52	220187	109.3920 ng/ml
Methamphetamine	4.292	164827	7239.20	97.1	4245.57	964357	106.7482 ng/ml
Metoprolol	4.649	679758	16011.08	49.3	11494.55	144091	108.0974 ng/ml
Mirtazapine	5.221	60475	2935.40	38.6	88311.77	144091	106.6777 ng/ml
Mitragynine	1.220	70801	598.35	23.3	2896.12	7587	105.4555 ng/ml
Morphine	4.957	1319	72.03	86.7	∞	5722	10.2053 ng/ml
Norbuprenorphine	5.882	597616	7762.23	58.4	948.24	181590	107.8211 ng/ml
Nordiazepam	4.044	156882	2046.57	37.1	490.26	693365	10.9560 ng/ml
Norfentanyl	3.027	45343	1383.07	43.2	177.97	42018	99.6229 ng/ml
Norhydrocodone	2.864	391781	1016.47	49.6	6369.56	125887	105.3170 ng/ml
Noroxycodone	3.330	2456870	3862.28	6.0	1300.00	1228470	104.3431 ng/ml
O-desmethyl-tramadol	5.732	1012523	∞	71.6	6605.22	573431	108.5178 ng/ml
Oxazepam	2.796	918140	7646.36	31.2	1974.13	368290	107.1989 ng/ml
Oxycodone	1.370	409016	φ 	46.4	1788.09	143916	104.2304 ng/ml
Oxymorphone	3.729	159176	3260.07	2.9	64.62	209427	112.0435 ng/ml
Phentermine	5.522	148893	1760.85	30.8	1007.47	65009	102.8617 ng/ml
Promethazine	5.559	427253	14586.08	59.0	26436.49	50061	109.5430 ng/ml
Quetiapine	5.765	19637	1040.64	93.2	2438.72	7732	99.5330 ng/ml
Sertraline	5.799	1797202	5280.01	30.2	∞	848964	104.6937 ng/ml
Temazepam	4.205	1996321	10284.73	3.4	300.07	964357	104.9669 ng/ml
Tramadol	5.250	360310	3364.52	78.1	∞	144453	110.0605 ng/ml
Trazodone	5.250	1223330	2555.47	36.5	3466.72	594980	109.0690 ng/ml
Venlafaxine Zolpidem	5.007	2540453	54079.90	30.8	40463.79	1166295	107.5629 ng/ml



Batch results
D:\MassHunter\Data\2020\AM 27-28\090320 AM 27 28 SJ SP\QuantResults\AM 28.batch.bin
Calibration Last Update
9/8/2020 8:11:12 AM

Instrument Type Falco

QC

Acq. Method
Sample Position

P5-C10

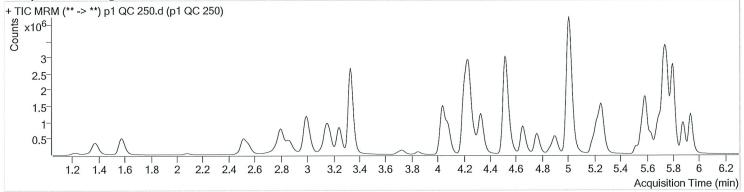
Injection Volume 2

Acq. Date-Time Sample Info.

MDQ P1 060520.m

9/3/2020 7:59:27 PM

Data File Sample Operator Comment p1 QC 250.d p1 QC 250 Sarah Pickle



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.105	65764	68829.39	71.8	20619.39	55662	25.5103 ng/ml
7-aminoclonazepam	4.243	1116614	15224.03	82.2	15346.87	163606	256.0986 ng/ml
a-hydroxyalprazolam	5.674	595553	1332.48	61.9	663.21	59825	250.2571 ng/ml
alpha-PHP	4.902	370251	7618.04	269.7	12888.92	352110	230.4921 ng/ml
alpha-PVP	4.329	2007722	73105.31	49.8	15981.72	352110	247.5181 ng/ml
Alprazolam	5.751	2012207	∞	104.0	3221.06	218934	251.1107 ng/ml
Amphetamine	2.997	1651441	19213.44	49.2	78591.14	71652	237.3607 ng/ml
Benzoylecgonine	3.845	144480	717.99	7.9	777.18	17552	299.9964 ng/ml
Buprenorphine	5.857	20095	702.73	15.8	218.71	31634	25.0977 ng/ml
Bupropion	4.760	1072974	∞	60.8	4553.44	138851	250.1896 ng/ml
Carisoprodol	5.700	1134384	1467.01	54.5	1565.11	226431	250.3137 ng/ml
Citalopram	5.190	611054	16506.22	42.2	403.90	111771	246.2939 ng/ml
Clonazepam	5.588	2530591	6392.42	33.2	10837.02	118296	255.2787 ng/ml
Cocaine	4.229	2733808	165114.20	44.4	51619.23	748047	253.4583 ng/ml
Codeine	2.556	326769	790.57	104.5	1884.84	58185	250.7812 ng/ml
Cyclobenzaprine	5.605	184028	15055.30	10.1	126.71	30677	252.1895 ng/ml
Dextromethorphan	5.226	239043	885.15	77.7	23844.60	45080	253.5153 ng/ml
Dextrorphan	4.084	538686	1372.35	214.5	1920.31	279554	242.5705 ng/ml
Diazepam	5.936	1373142	14868.31	87.0	2219.49	257747	254.5641 ng/ml
Dihydrocodeine	2.515	844634	43704.67	66.1	57863.68	189508	253.3083 ng/ml
Diphenhydramine	5.260	978160	455.94	33.2	4555.86	297559	247.8957 ng/ml
Doxylamine	4.514	4478671	158485.31	97.2	∞	735220	250.6368 ng/ml
EDDP	5.218	1128132	794.19	44.1	509.76	248915	240.6786 ng/ml
Fentanyl	5.087	22557	670.11	65.5	00	41428	25.5792 ng/ml
Fluoxetine	5.690	145013	724.97	8.3	00	25000	240.6820 ng/ml
Hydrocodone	2.993	981443	1469.58	39.3	1244.67	262805	249.1501 ng/ml
Hydromorphone	1.581	919713	691.27	78.8	00	119655	247.6506 ng/ml
Ketamine	4.043	2116931	161983.14	40.7	11920.89	379075	252.8530 ng/ml
Lamotrigine	4.259	225503	46937.17	81.2	41963.06	379075	272.7282 ng/ml
Lorazepam	5.729	1545149	4002.77	55.9	4321.45	118296	208.6439 ng/ml
MDA	3.150	1558072	18946.15	19.2	∞	129511	264.8626 ng/ml
MDMA	3.244	1463651	89926.13	61.3	13968.09	52510	254.6443 ng/ml
Meprobamate	4.876	465253	1629.39	26.2	3611.78	110621	246.4953 ng/ml

							ORENSIC SERVICES
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.636	663153	13458.19	51.1	10704.74	126379	251.8815 ng/ml
Methamphetamine	3.171	877851	2599.64	42.5	9442.18	189143	258.8243 ng/ml
Metoprolol	4.285	349501	4650.37	95.3	∞	910417	241.4203 ng/ml
Mirtazapine	4.649	1640606	126760.46	49.1	5092.34	126379	295.2376 ng/ml
Mitragynine	5.221	129828	16244.19	38.2	273576.15	126379	261.5915 ng/ml
Morphine	1.226	160873	1743.05	22.8	858.81	7143	255.3845 ng/ml
Norbuprenorphine	4.950	2520	70.64	81.9	88.21	4768	24.2098 ng/ml
Nordiazepam	5.882	1320239	∞	57.8	28788.74	165753	261.5010 ng/ml
Norfentanyl	4.044	345606	6474.06	37.8	1876.86	660912	25.4620 ng/ml
Norhydrocodone	3.027	96692	143.88	42.4	538.20	36432	243.6602 ng/ml
Noroxycodone	2.864	887067	5432.69	47.8	2482.83	115051	261.1166 ng/ml
O-desmethyl-tramadol	3.330	5914871	108960.82	5.9	2924.16	1210910	255.4124 ng/ml
Oxazepam	5.732	1909162	5845.78	71.6	19612.83	463822	253.1788 ng/ml
Oxycodone	2.796	2217751	15282.49	31.1	8143.03	377425	253.1333 ng/ml
Oxymorphone	1.376	913711	2196.54	48.0	∞	135941	246.7614 ng/ml
Phentermine	3.729	322249	9961.21	3.0	∞	178720	266.4500 ng/ml
Promethazine	5.522	407528	4938.35	31.2	2632.93	72216	253.4087 ng/ml
Quetiapine	5.559	1203923	191233.21	59.3	∞	58154	265.7662 ng/ml
Sertraline	5.765	71500	933.51	94.7	469.22	12105	229.4928 ng/ml
Temazepam	5.799	4038148	75747.58	30.1	1647.72	788357	252.9206 ng/ml
Tramadol	4.204	4518875	11833.34	3.4	1230.75	910417	253.0860 ng/ml
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94211.47

76.7

36.7

30.5

9232.60

1095.87

120571.42

269.0540 ng/ml

258.4201 ng/ml

255.6525 ng/ml

185167

509945

1206045

Trazodone

Zolpidem

Venlafaxine

5.250

5.001

5.007

1124014

2485400

6232974

Data File

Operator

Comment

Sample

Batch results

D:\MassHunter\Data\2020\AM 27-28\090320 AM 27 28 SJ SP\QuantResults\AM 28.batch.bin

p1 QC 1000.d

p1 QC 1000

Sarah Pickle

Calibration Last Update 9/8/2020 8:11:12 AM

Instrument

Falco

Type Acq. Method QC MDQ P1 060520.m

Sample Position

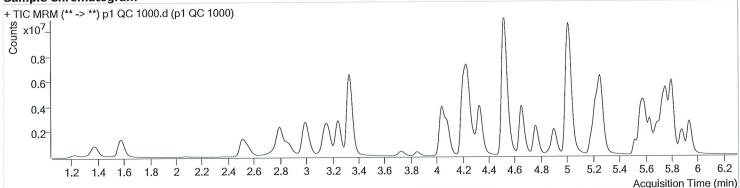
P5-D10

Injection Volume

Acq. Date-Time Sample Info.

9/3/2020 8:20:40 PM

Sample Chromatogram



						ACC	juisition Time (min)
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.105	240443	5612.67	70.9	9305.19	52040	99.8619 ng/ml
7-aminoclonazepam	4.243	2178894	25227.69	83.4	14183.77	83132	983.7843 ng/ml
a-hydroxyalprazolam	5.674	1458340	4905.11	60.7	2597.89	40574	904.8957 ng/ml
alpha-PHP	4.902	1525592	181092.68	267.1	00	301930	1112.0080 ng/ml
alpha-PVP	4.336	7108576	1124029.83	49.0	64409.56	301930	1021.5595 ng/ml
Alprazolam	5.758	5034144	2226.20	105.7	2685.09	135376	1013.6932 ng/ml
Amphetamine	2,997	4075732	~	48.9	40103.72	65968	639.0932 ng/ml
Benzoylecgonine	3.845	589698	31790.00	7.8	71643.86	19103	1124.6505 ng/ml
Buprenorphine	5.857	93680	4159.11	16.3	1138.57	34134	108.1364 ng/ml
Bupropion	4.760	4135943	17712.29	60.1	5095.94	134854	993.2746 ng/ml
Carisoprodol	5.707	2475957	619663.66	54.1	11397.31	129596	955.2408 ng/ml
Citalopram	5.190	2789489	∞	42.8	1963.44	126778	991.6270 ng/ml
Clonazepam	5.588	5690485	140656.62	32.2	∞	72424	938.0416 ng/ml
Cocaine	4.229	8516891	441059.76	43.0	185514.27	565546	1044.1012 ng/ml
Codeine	2.556	981420	487.55	101.7	970.32	40410	1088.4033 ng/ml
Cyclobenzaprine	5.605	905403	568.67	9.9	1700.35	36432	1045.9658 ng/ml
Dextromethorphan	5.226	1003693	21513.39	79.7	2353.48	45973	1043.8146 ng/ml
Dextrorphan	4.084	1855651	134061.10	214.0	278108.12	233097	1001.4745 ng/ml
Diazepam	5.936	3594380	4034.33	86.3	2717.93	170236	1009.2540 ng/ml
Dihydrocodeine	2.508	2666352	48268.26	65.7	35346.95	177445	855.6217 ng/ml
Diphenhydramine	5.260	4476970	1215.50	32.5	853.38	334095	1009.5100 ng/ml
Doxylamine	4.521	17627084	326974.76	97.7	1666021.35	724833	1001.4195 ng/ml
EDDP	5.218	5840260	40289.75	42.1	2400.80	306462	1010.4083 ng/ml
Fentanyl	5.087	130213	5631.91	66.7	∞	59581	102.7616 ng/ml
Fluoxetine	5.690	558801	763.24	8.7	∞	23605	982.5397 ng/ml
Hydrocodone	2.993	2932724	∞	38.8	∞	234307	837.0370 ng/ml
Hydromorphone	1.581	2864461	∞	76.9	∞	96843	953.5768 ng/ml
Ketamine	4.043	6754246	367363.12	39.9	76364.48	329424	929.8012 ng/ml
Lamotrigine	4.266	510899	31057.65	80.7	3690.68	329424	712.6347 ng/ml
Lorazepam	5.722	1882547	~	53.6	∞	72424	416,4953 ng/ml
MDA	3.143	4359339	∞	18.3	17131.65	103218	931.3751 ng/ml
MDMA	3.244	5362254	783566.44	60.3	118436.50	48406	1012.7014 ng/ml
Meprobamate	4.876	1066475	54134.95	25.9	35400.57	86484	724.3520 ng/ml

p1 QC 1000

*Outside curve range

Generated at 11:17 AM on 9/8/2020



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.636	3629863	3450.28	50.9	72368.25	164754	1057.5721 ng/ml
Methamphetamine	3.171	2957553	5510.06	41.8	32612.03	170797	972.3589 ng/ml
Metoprolol	4.292	1027463	∞	96.9	19692.79	773356	838.7883 ng/ml
Mirtazapine	4.650	7672618	1080708.17	48.3	181192.63	164754	1055.8539 ng/ml 🗸
Mitragynine	5.221	507826	12430.45	39.0	13676.30	164754	785.5568 ng/ml * ;
Morphine	1.226	522794	∞	22.4	∞	6029	984.9326 ng/ml
Norbuprenorphine	4.951	12015	342.87	85.8	29299.43	5917	94.7930 ng/ml
Nordiazepam	5.885	3160406	∞	57.7	2894.05	103570	1002.9116 ng/ml
Norfentanyl	4.044	958782	4616.50	37.7	3784.62	563165	83.1398 ng/ml
Norhydrocodone	3.027	288320	768.44	42.6	69.06	23226	1136.2550 ng/ml
Noroxycodone	2.864	2246592	∞	48.6	1852.27	68144	1116.9672 ng/ml
O-desmethyl-tramadol	3.330	18203813	∞	5.8	52798.33	919958	1035.8693 ng/ml
Oxazepam	5.732	2505944	∞	74.7	10289.81	183253	841.4795 ng/ml
Oxycodone	2.796	7558200	7057.30	30.9	3376.71	343285	949.4232 ng/ml
Oxymorphone	1.376	2729255	∞	46.7	913.51	98704	1015.7418 ng/ml
Phentermine	3.730	1070628	22525.77	2.8	594.47	166850	949.4261 ng/ml
Promethazine	5.522	2155603	61215.67	30.2	19870.20	94769	1021.3388 ng/ml
Quetiapine	5.559	5151039	∞	58.8	102412.78	67575	978.6495 ng/ml
Sertraline	5.765	203551	59904.50	91.1	2885.92	7945	990.4491 ng/ml
Temazepam	5.799	10524386	65552.73	29.2	111464.70	506194	1025.7443 ng/ml
Tramadol	4.205	14322772	42156.70	3.2	1561.26	773356	947.0810 ng/ml
Trazodone	5.256	4968405	∞	77.6	œ	226491	974.4941 ng/ml
Venlafaxine	5.001	7672120	∞	35.4	1940.63	382435	1063.4010 ng/ml
Zolpidem	5.014	18705464	323506.19	30.2	∞	1008034	918.7768 ng/ml

^{*}Outside curve range



Batch results

D:\MassHunter\Data\2020\AM 27-28\090320 AM 27 28 SJ SP\QuantResults\AM 28.batch.bin

Last Cal. Update

9/8/2020 8:11 AM

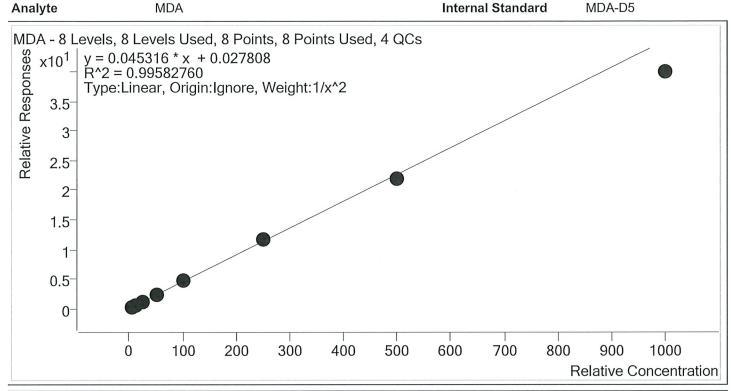
ISP\datastor

Analyst Name

MDA

Internal Standard

MDA-D5



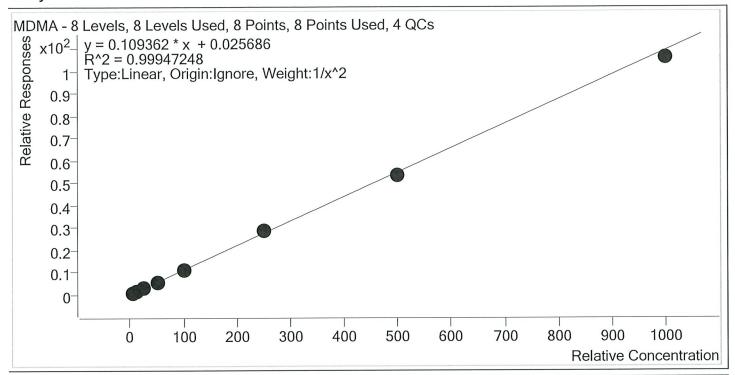
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.4
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.4
p1 Cal 4-50ng	4	✓	50.0	53.0	106.1
p1 Cal 5-100ng	5	✓	100.0	105.0	105.0
p1 Cal 6-250ng	6	✓	250.0	255.5	102.2
p1 Cal 7-500ng	7	✓	500.0	485.0	97.0
p1 Cal 8-1000ng	8	✓	1000.0	883.2	88.3



Batch results D:\MassHunter\Data\2020\AM 27-28\090320 AM 27 28 SJ SP\QuantResults\AM 28.batch.bin

Last Cal. Update9/8/2020 8:11 AMAnalyst NameISP\datastor

Analyte MDMA Internal Standard MDMA-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.3
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.7
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.1
p1 Cal 4-50ng	4	✓	50.0	50.8	101.6
p1 Cal 5-100ng	5	✓	100.0	99.4	99.4
p1 Cal 6-250ng	6	✓	250.0	257.7	103.1
p1 Cal 7-500ng	7	✓	500.0	489.5	97.9
p1 Cal 8-1000ng	8	✓	1000.0	970.2	97.0



Batch results D:\MassHunter\Data\2020\AM 27-28\090320 AM 27 28 SJ SP\QuantResults\AM 28.batch.bin

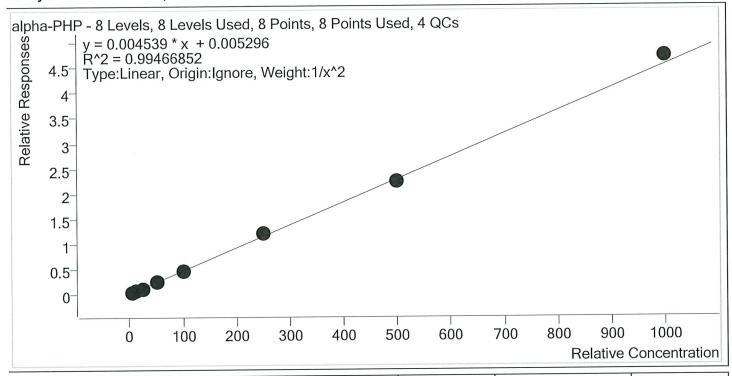
Last Cal. Update Analyst Name 9/8/2020 8:11 AM ISP\datastor

Analyte

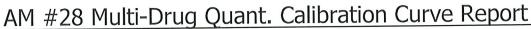
alpha-PHP

Internal Standard

alpha-PVP-d8



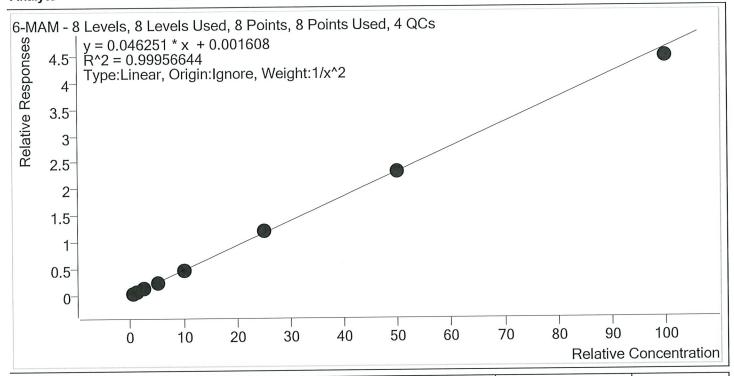
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	106.9
p1 Cal 2- 10ng	2	✓	10.0	8.7	87.5
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.3
p1 Cal 4-50ng	4	✓	50.0	51.7	103.4
p1 Cal 5-100ng	5	✓	100.0	101.5	101.5
p1 Cal 6-250ng	6	✓	250.0	259.3	103.7
p1 Cal 7-500ng	7	✓	500.0	493.5	98.7
p1 Cal 8-1000ng	8	✓	1000.0	1039.4	103.9



Batch results D:\MassHunter\Data\2020\AM 27-28\090320 AM 27 28 SJ SP\QuantResults\AM 28.batch.bin

Last Cal. Update 9/8/2020 8:11 AM Analyst Name ISP\datastor

Analyte 6-MAM Internal Standard 6-MAM-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	1	0.5	0.5	99.4
p1 Cal 2- 10ng	2	✓	1.0	1.0	101.4
p1 Cal 3 -25ng	3	✓	2.5	2.5	98.6
p1 Cal 4-50ng	4	✓	5.0	5.1	101.1
p1 Cal 5-100ng	5	✓	10.0	10.0	100.3
p1 Cal 6-250ng	6	✓	25.0	25.6	102.2
p1 Cal 7-500ng	7	✓	50.0	50.2	100.5
n1 Cal 8-1000ng	8	✓	100.0	96.5	96.5





Batch results

D:\MassHunter\Data\2020\AM 27-28\090320 AM 27 28 SJ SP\QuantResults\AM 28.batch.bin

Last Cal. Update Analyst Name 9/8/2020 8:11 AM

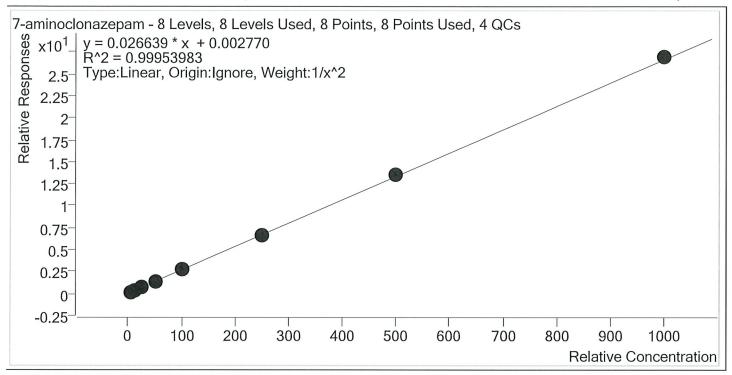
ISP\datastor

Analyte

7-aminoclonazepam

Internal Standard

7-Aminoclonazepam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.9
p1 Cal 2- 10ng	2	✓	10.0	9.7	96.7
p1 Cal 3 -25ng	3	✓	25.0	24.5	97.9
p1 Cal 4-50ng	4	✓	50.0	50.6	101.3
p1 Cal 5-100ng	5	✓	100.0	100.2	100.2
p1 Cal 6-250ng	6	✓	250.0	248.6	99.5
p1 Cal 7-500ng	7	✓	500.0	506.9	101.4
p1 Cal 8-1000ng	8	✓	1000.0	1011.3	101.1





Batch results
Last Cal. Update

D:\MassHunter\Data\2020\AM 27-28\090320 AM 27 28 SJ SP\QuantResults\AM 28.batch.bin

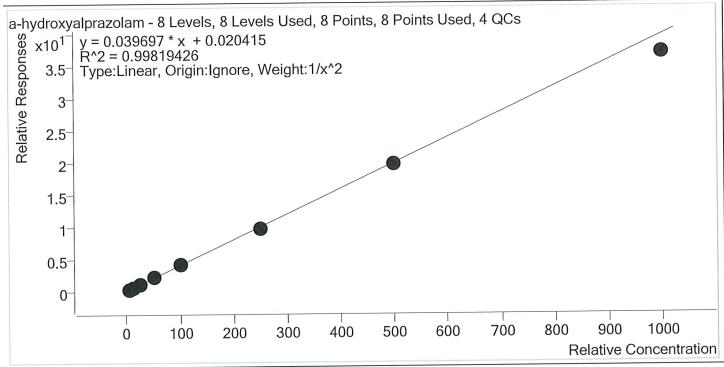
Last Cal. Update Analyst Name 9/8/2020 8:11 AM ISP\datastor

Analyte

a-hydroxyalprazolam

Internal Standard

a-hydroxyalprazolam-



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.7
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.3
p1 Cal 3 -25ng	3	✓	25.0	25.7	102.9
p1 Cal 4-50ng	4	✓	50.0	52.8	105.6
p1 Cal 5-100ng	5	✓	100.0	101.5	101.5
p1 Cal 6-250ng	6	✓	250.0	245.8	98.3
p1 Cal 7-500ng	7	✓	500.0	498.5	99.7
p1 Cal 8-1000ng	8	✓	1000.0	930.1	93.0



D:\MassHunter\Data\2020\AM 27-28\090320 AM 27 28 SJ SP\QuantResults\AM 28.batch.bin **Batch results**

Last Cal. Update

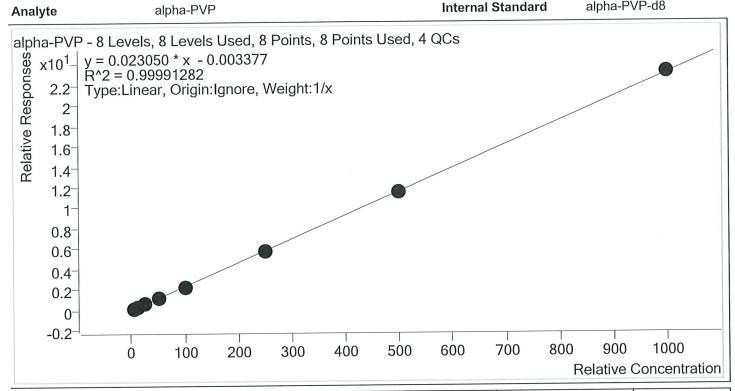
9/8/2020 8:11 AM

Analyst Name

ISP\datastor

Internal Standard

alpha-PVP-d8



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.6
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.4
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.7
p1 Cal 4-50ng	4	✓	50.0	49.6	99.1
p1 Cal 5-100ng	5	✓	100.0	97.8	97.8
p1 Cal 6-250ng	6	✓	250.0	246.7	98.7
p1 Cal 7-500ng	7	✓	500.0	500.2	100.0
p1 Cal 8-1000ng	8	✓	1000.0	1005.9	100.6





D:\MassHunter\Data\2020\AM 27-28\090320 AM 27 28 SJ SP\QuantResults\AM 28.batch.bin **Batch results**

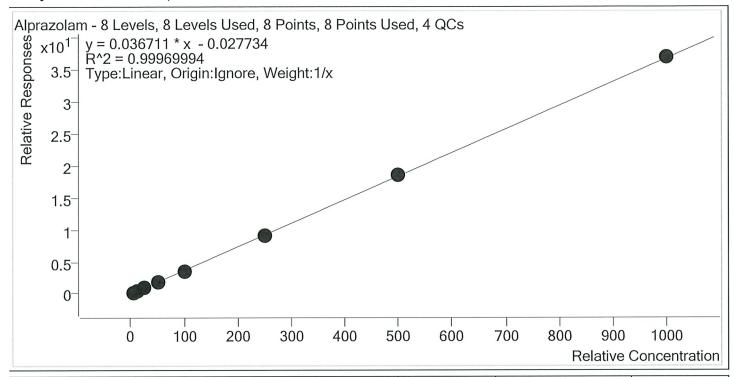
Last Cal. Update **Analyst Name**

9/8/2020 8:11 AM

ISP\datastor Alprazolam Analyte

Internal Standard

Alprazolam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.7	113.2
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.6
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.6
p1 Cal 4-50ng	4	✓	50.0	48.5	97.0
p1 Cal 5-100ng	5	✓	100.0	94.8	94.8
p1 Cal 6-250ng	6	✓	250.0	249.0	99.6
p1 Cal 7-500ng	7	✓	500.0	503.4	100.7
p1 Cal 8-1000ng	8	✓	1000.0	1005.1	100.5





Batch results

D:\MassHunter\Data\2020\AM 27-28\090320 AM 27 28 SJ SP\QuantResults\AM 28.batch.bin

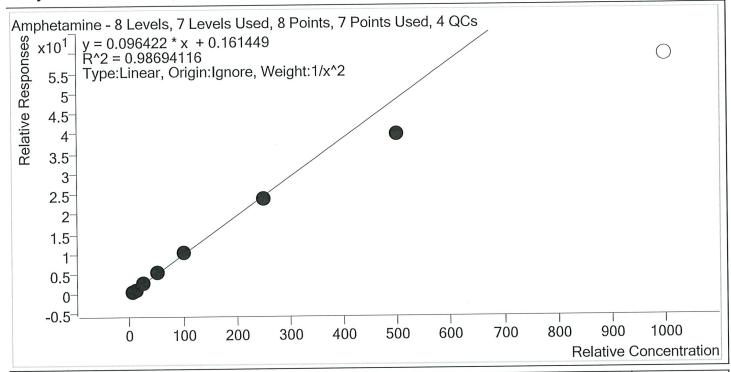
Last Cal. Update Analyst Name 9/8/2020 8:11 AM ISP\datastor

Analyte

Amphetamine

Internal Standard

Amphetamine-D11



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.7
p1 Cal 2- 10ng	2	✓	10.0	10.7	106.8
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.7
p1 Cal 4-50ng	4	✓	50.0	55.0	109.9
p1 Cal 5-100ng	5	✓	100.0	105.4	105.4
p1 Cal 6-250ng	6	✓	250.0	242.0	96.8
p1 Cal 7-500ng	7	✓	500.0	408.7	81.7
p1 Cal 8-1000ng	8	×	1000.0	612.4	61.2



AM #28 Multi-Drug Quant. Calibration Curve Report D:\MassHunter\Data\2020\AM 27-28\090320 AM 27 28 SJ SP\QuantResults\AM 28.batch.bin

Batch results Last Cal. Update

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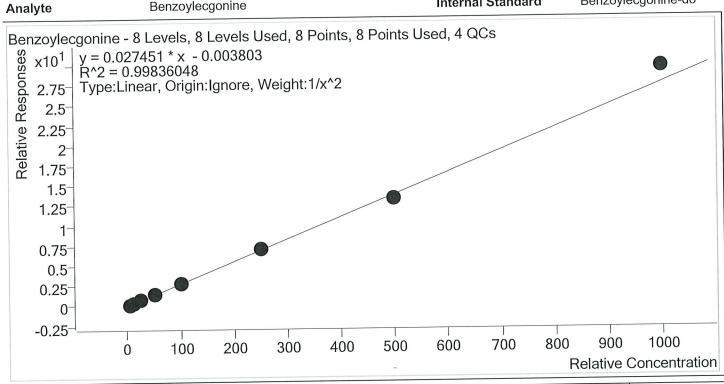
Analyst Name

Benzoylecgonine

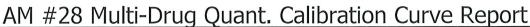
ISP\datastor

Internal Standard

Benzoylecgonine-d8



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.6
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.5
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.3
p1 Cal 4-50ng	4	✓	50.0	49.9	99.8
p1 Cal 5-100ng	5	✓	100.0	97.2	97.2
p1 Cal 6-250ng	6	√	250.0	251.9	100.8
p1 Cal 7-500ng	7	✓	500.0	486.3	97.3
p1 Cal 7-500ng	8	√	1000.0	1075.1	107.5



Batch results

D:\MassHunter\Data\2020\AM 27-28\090320 AM 27 28 SJ SP\QuantResults\AM 28.batch.bin

Last Cal. Update **Analyst Name**

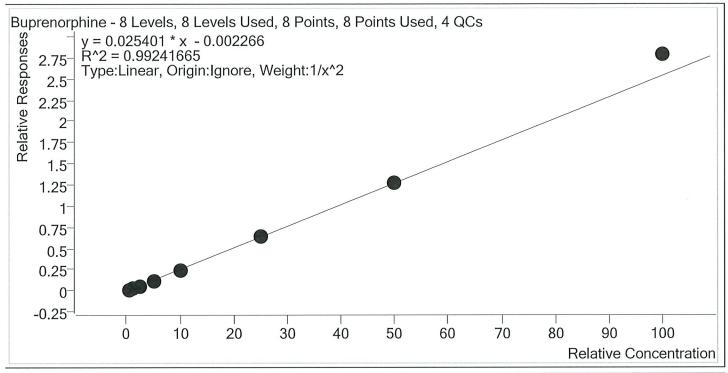
9/8/2020 8:11 AM ISP\datastor

Analyte

Buprenorphine

Internal Standard

Buprenorphine-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	95.6
p1 Cal 2- 10ng	2	✓	1.0	1.1	112.8
p1 Cal 3 -25ng	3	✓	2.5	2.4	95.6
p1 Cal 4-50ng	4	✓	5.0	4.6	91.3
p1 Cal 5-100ng	5	✓	10.0	9.5	94.5
p1 Cal 6-250ng	6	✓	25.0	25.0	100.0
p1 Cal 7-500ng	7	✓	50.0	50.2	100.3
p1 Cal 8-1000ng	8	✓	100.0	109.8	109.8



Batch results

D:\MassHunter\Data\2020\AM 27-28\090320 AM 27 28 SJ SP\QuantResults\AM 28.batch.bin

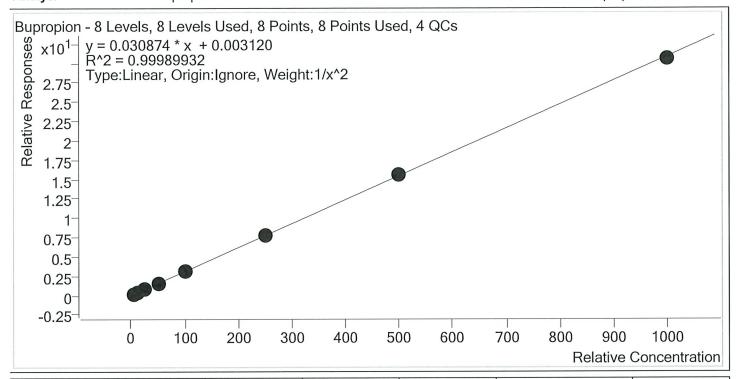
Last Cal. Update Analyst Name 9/8/2020 8:11 AM

Analyte

ISP\datastor Bupropion

Internal Standard

Bupropion-D9



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.7
p1 Cal 2- 10ng	2	✓	10.0	9.9	98.7
p1 Cal 3 -25ng	3	✓	25.0	25.0	99.9
p1 Cal 4-50ng	4	✓	50.0	49.7	99.4
p1 Cal 5-100ng	5	✓	100.0	100.6	100.6
p1 Cal 6-250ng	6	✓	250.0	251.6	100.7
p1 Cal 7-500ng	7	✓	500.0	505.4	101.1
p1 Cal 8-1000ng	8	✓	1000.0	990.3	99.0

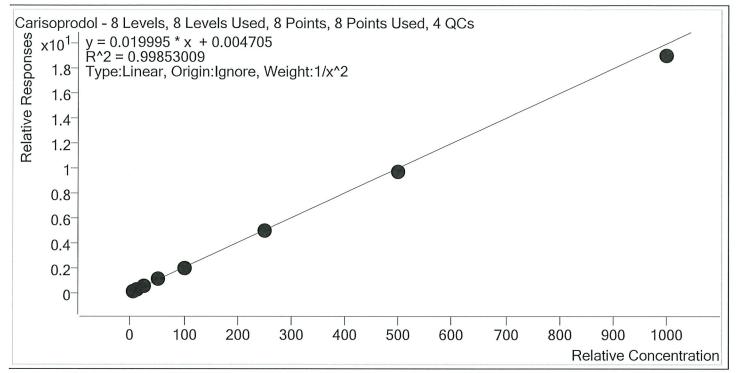




D:\MassHunter\Data\2020\AM 27-28\090320 AM 27 28 SJ SP\QuantResults\AM 28.batch.bin **Batch results**

Last Cal. Update 9/8/2020 8:11 AM **Analyst Name** ISP\datastor Analyte Carisoprodol

Internal Standard Carisoprodol-D7



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.7
p1 Cal 2- 10ng	2	✓	10.0	10.3	102.9
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.0
p1 Cal 4-50ng	4	✓	50.0	52.6	105.2
p1 Cal 5-100ng	5	✓	100.0	99.9	99.9
p1 Cal 6-250ng	6	✓	250.0	250.0	100.0
p1 Cal 7-500ng	7	✓	500.0	485.7	97.1
p1 Cal 8-1000ng	8	✓	1000.0	950.8	95.1





Batch results Last Cal. Update D:\MassHunter\Data\2020\AM 27-28\090320 AM 27 28 SJ SP\QuantResults\AM 28.batch.bin

Analyst Name

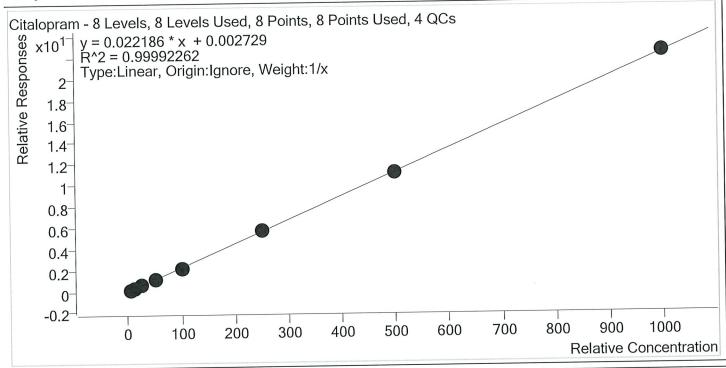
9/8/2020 8:11 AM ISP\datastor

Analyte

Citalopram

Internal Standard

Citalopram-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	105.4
p1 Cal 2- 10ng	2	✓	10.0	9.8	97.6
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.6
p1 Cal 4-50ng	4	√	50.0	49.9	99.9
p1 Cal 4-30ng	5	√	100.0	98.2	98.2
	6	√	250.0	252.1	100.8
p1 Cal 6-250ng	7	✓	500.0	495.5	99.1
p1 Cal 7-500ng p1 Cal 8-1000ng	8	√	1000.0	1004.6	100.5



Batch results

D:\MassHunter\Data\2020\AM 27-28\090320 AM 27 28 SJ SP\QuantResults\AM 28.batch.bin

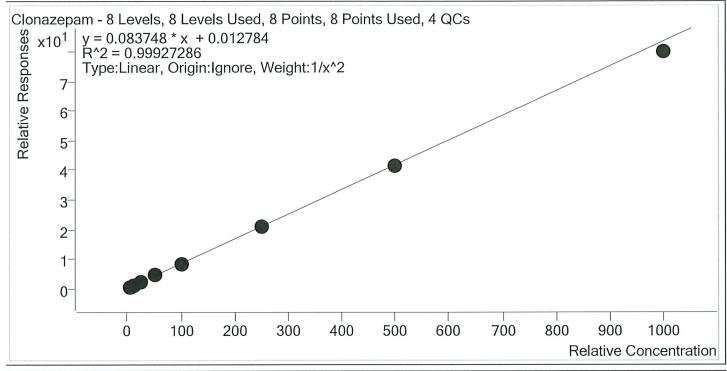
Last Cal. Update Analyst Name 9/8/2020 8:11 AM ISP\datastor

Analyte

Clonazepam

Internal Standard

Clonazepam-D4



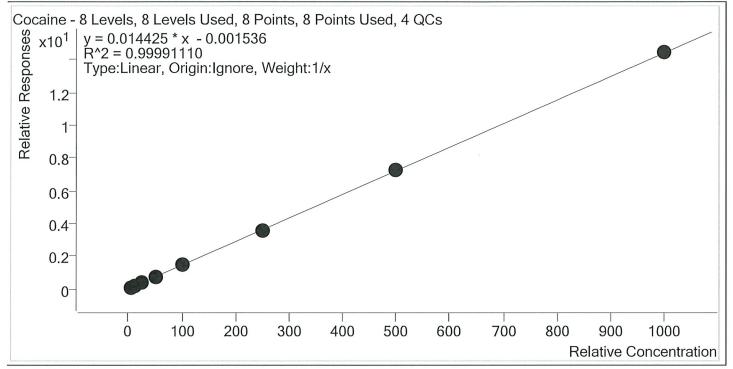
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.3
p1 Cal 2- 10ng	2	✓	10.0	10.3	102.6
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.6
p1 Cal 4-50ng	4	✓	50.0	51.5	103.0
p1 Cal 5-100ng	5	✓	100.0	100.5	100.5
p1 Cal 6-250ng	6	✓	250.0	250.2	100.1
p1 Cal 7-500ng	7	✓	500.0	496.2	99.2
p1 Cal 8-1000ng	8	✓	1000.0	956.9	95.7



Batch results D:\MassHunter\Data\2020\AM 27-28\090320 AM 27 28 SJ SP\QuantResults\AM 28.batch.bin

Last Cal. Update9/8/2020 8:11 AMAnalyst NameISP\datastor

Analyte Cocaine Internal Standard Cocaine-d3



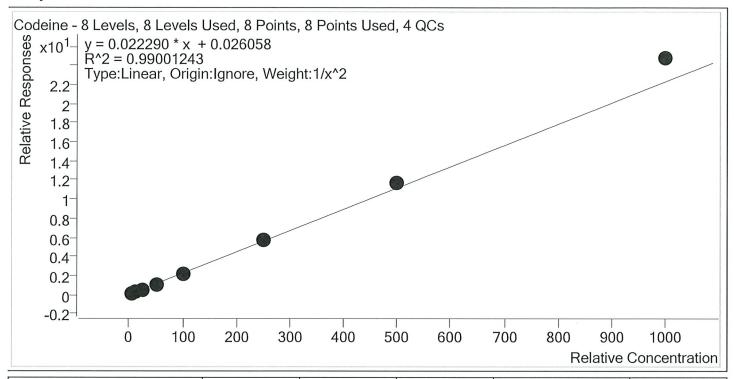
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.8
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.8
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.2
p1 Cal 4-50ng	4	✓	50.0	49.6	99.2
p1 Cal 5-100ng	5	✓	100.0	98.8	98.8
p1 Cal 6-250ng	6	✓	250.0	245.2	98.1
p1 Cal 7-500ng	7	✓	500.0	503.6	100.7
p1 Cal 8-1000ng	8	✓	1000.0	1002.9	100.3



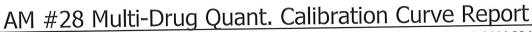
Batch results D:\MassHunter\Data\2020\AM 27-28\090320 AM 27 28 SJ SP\QuantResults\AM 28.batch.bin

Last Cal. Update9/8/2020 8:11 AMAnalyst NameISP\datastor

Analyte Codeine Internal Standard Codeine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.5	109.3
p1 Cal 2- 10ng	2	✓	10.0	8.5	84.5
p1 Cal 3 -25ng	3	✓	25.0	23.2	93.0
p1 Cal 4-50ng	4	✓	50.0	48.8	97.5
p1 Cal 5-100ng	5	✓	100.0	98.3	98.3
p1 Cal 6-250ng	6	✓	250.0	254.0	101.6
p1 Cal 7-500ng	7	✓	500.0	523.3	104.7
p1 Cal 8-1000ng	8	✓	1000.0	1110.7	111.1



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Batch results Last Cal. Update Analyst Name

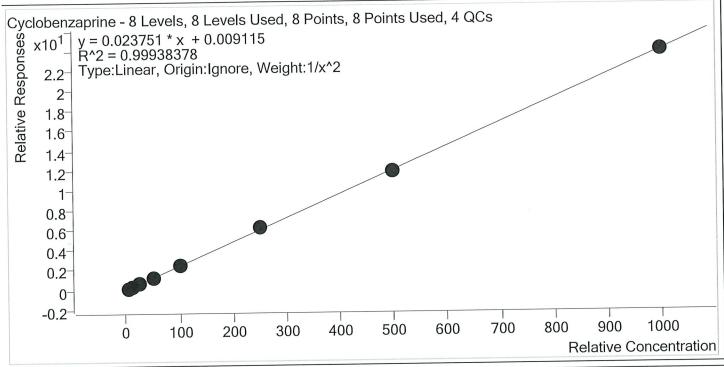
9/8/2020 8:11 AM ISP\datastor

Analyte

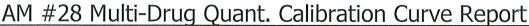
Cyclobenzaprine

Internal Standard

Cyclobenzaprine-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.8
p1 Cal 2- 10ng	2	✓	10.0	9.7	96.9
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.5
p1 Cal 4-50ng	4	✓	50.0	50.8	101.5
p1 Cal 4-30ng	5	√	100.0	100.3	100.3
	6	√	250.0	257.7	103.1
p1 Cal 6-250ng	7	✓	500.0	494.1	98.8
p1 Cal 7-500ng p1 Cal 8-1000ng	8	1	1000.0	1000.3	100.0



Batch results

D:\MassHunter\Data\2020\AM 27-28\090320 AM 27 28 SJ SP\QuantResults\AM 28.batch.bin

Last Cal. Update Analyst Name 9/8/2020 8:11 AM

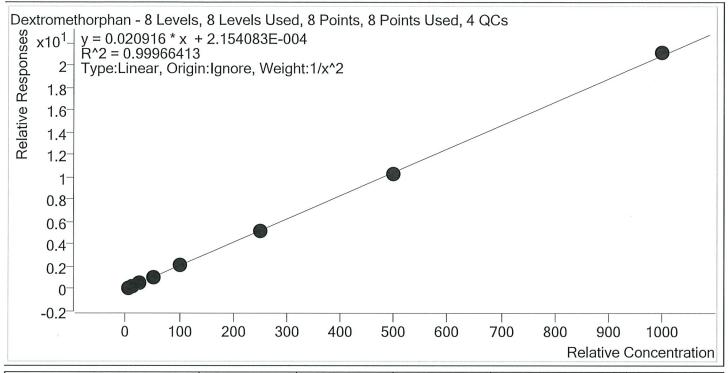
ISP\datastor

Analyte

Dextromethorphan

Internal Standard

Dextromethorphan-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.4
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.8
p1 Cal 4-50ng	4	✓	50.0	50.9	101.8
p1 Cal 5-100ng	5	✓	100.0	100.1	100.1
p1 Cal 6-250ng	6	✓	250.0	252.3	100.9
p1 Cal 7-500ng	7	✓	500.0	493.1	98.6
p1 Cal 8-1000ng	8	✓	1000.0	1012.1	101.2

Batch results

D:\MassHunter\Data\2020\AM 27-28\090320 AM 27 28 SJ SP\QuantResults\AM 28.batch.bin

Last Cal. Update

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Analyst Name

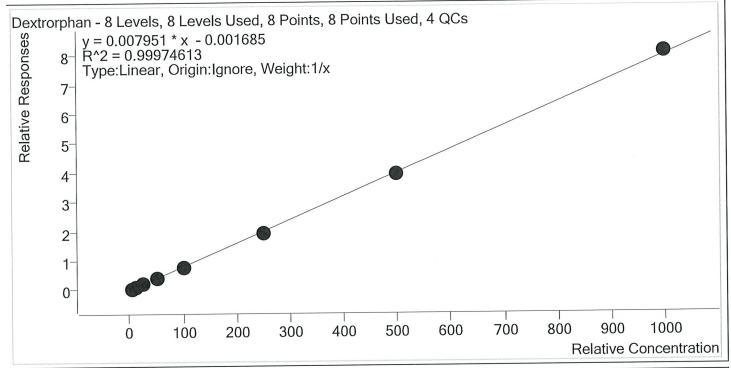
ISP\datastor

Analyte

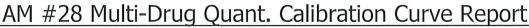
Dextrorphan

Internal Standard

Dextrorphan-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.5
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.6
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.6
p1 Cal 4-50ng	4	✓	50.0	49.7	99.5
p1 Cal 5-100ng	5	✓	100.0	97.9	97.9
p1 Cal 6-250ng	6	✓	250.0	244.2	97.7
p1 Cal 7-500ng	7	✓	500.0	494.0	98.8
p1 Cal 8-1000ng	8	✓	1000.0	1013.8	101.4



Batch results D:\MassHunter\Data\2020\AM 27-28\090320 AM 27 28 SJ SP\QuantResults\AM 28.batch.bin

Last Cal. Update

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Analyst Name

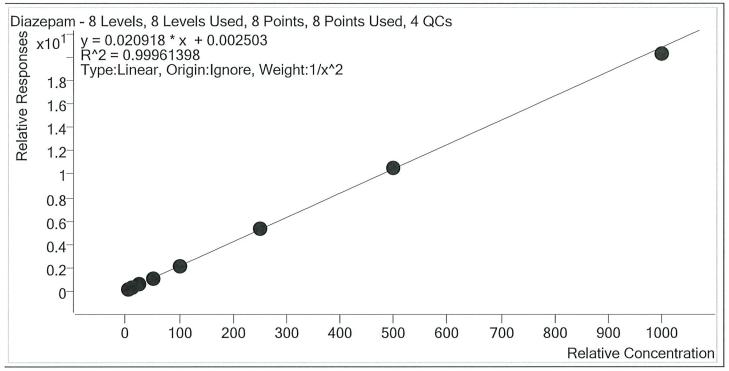
ISP\datastor

Analyte

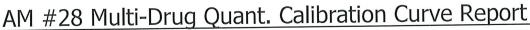
Diazepam

Internal Standard

Diazepam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.8
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.5
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.2
p1 Cal 4-50ng	4	✓	50.0	51.4	102.8
p1 Cal 5-100ng	5	✓	100.0	99.9	99.9
p1 Cal 6-250ng	6	✓	250.0	252.9	101.2
p1 Cal 7-500ng	7	✓	500.0	501.5	100.3
p1 Cal 8-1000ng	8	✓	1000.0	972.9	97.3



Batch results D:\MassHunter\Data\2020\AM 27-28\090320 AM 27 28 SJ SP\QuantResults\AM 28.batch.bin

Last Cal. Update

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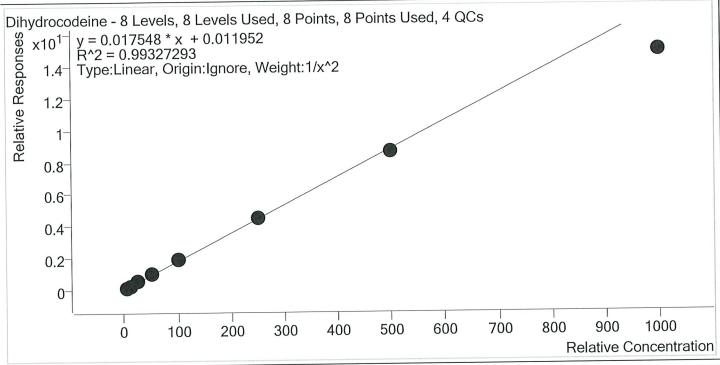
Analyst Name

ISP\datastor

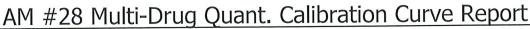
Analyte Dihydrocodeine

Internal Standard

Dihydrocodeine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.1
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.9
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.4
p1 Cal 4-50ng	4	✓	50.0	53.8	107.6
p1 Cal 5-100ng	5	✓	100.0	104.5	104.5
p1 Cal 6-250ng	6	✓	250.0	252.9	101.1
p1 Cal 7-500ng	7	√	500.0	488.0	97.6
p1 Cal 8-1000ng	8	✓	1000.0	848.0	84.8



Last Cal. Update

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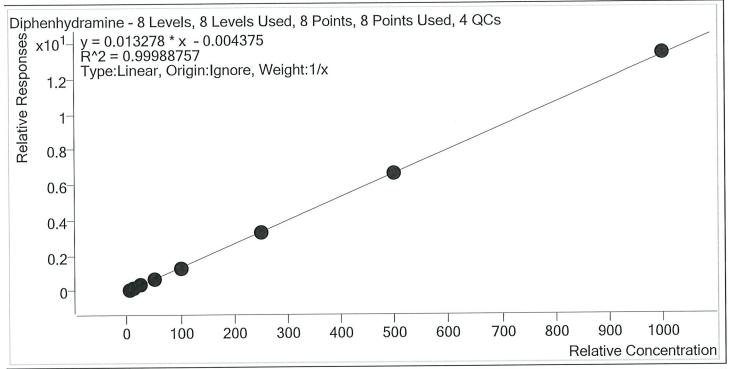
Analyst Name

ISP\datastor

Analyte Diphenhydramine

Internal Standard

Diphenhydramine-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	105.6
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.9
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.3
p1 Cal 4-50ng	4	✓	50.0	48.9	97.8
p1 Cal 5-100ng	5	✓	100.0	98.3	98.3
p1 Cal 6-250ng	6	✓	250.0	247.1	98.8
p1 Cal 7-500ng	7	✓	500.0	497.3	99.5
p1 Cal 8-1000ng	8	✓	1000.0	1008.5	100.9

Batch results

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Last Cal. Update

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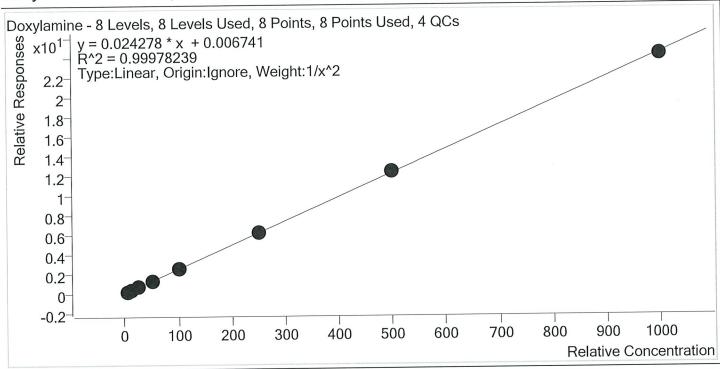
Analyst Name

ISP\datastor

Analyte Doxylamine

Internal Standard

Doxylamine-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.3
p1 Cal 2- 10ng	2	✓	10.0	9.8	97.7
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.1
p1 Cal 4-50ng	4	✓	50.0	50.2	100.4
p1 Cal 5-100ng	5	✓	100.0	99.7	99.7
p1 Cal 6-250ng	6	✓	250.0	253.3	101.3
p1 Cal 7-500ng	7	✓	500.0	506.0	101.2
p1 Cal 8-1000ng	8	✓	1000.0	993.3	99.3



Batch results

D:\MassHunter\Data\2020\AM 27-28\090320 AM 27 28 SJ SP\QuantResults\AM 28.batch.bin

Last Cal. Update

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Analyst Name

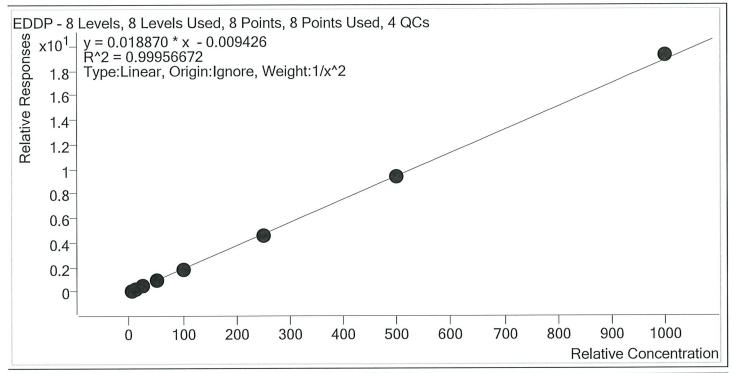
ISP\datastor

Analyte

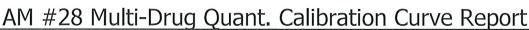
EDDP

Internal Standard

EDDP-D3

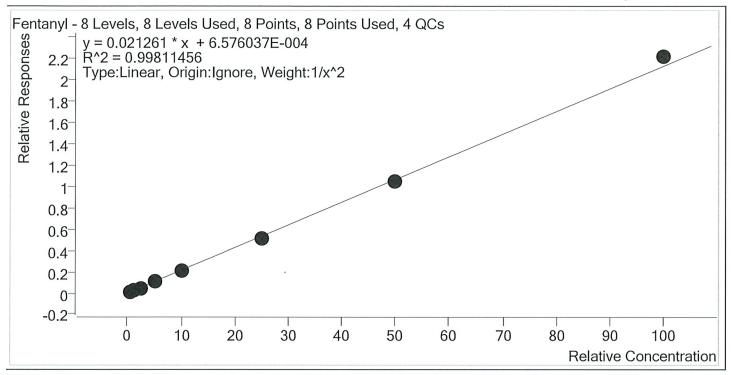


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.5
p1 Cal 2- 10ng	2	✓	10.0	10.3	102.7
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.9
p1 Cal 4-50ng	4	✓	50.0	50.2	100.5
p1 Cal 5-100ng	5	✓	100.0	97.9	97.9
p1 Cal 6-250ng	6	✓	250.0	246.0	98.4
p1 Cal 7-500ng	7	✓	500.0	494.9	99.0
n1 Cal 8-1000ng	8	✓	1000.0	1020.6	102.1



Last Cal. Update 9/8/2020 8:11 AM **Analyst Name** ISP\datastor

Analyte Fentanyl Internal Standard Fentanyl-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	99.8
p1 Cal 2- 10ng	2	✓	1.0	1.0	102.7
p1 Cal 3 -25ng	3	✓	2.5	2.3	92.7
p1 Cal 4-50ng	4	✓	5.0	5.1	102.8
p1 Cal 5-100ng	5	✓	10.0	10.2	102.0
p1 Cal 6-250ng	6	✓	25.0	24.3	97.3
p1 Cal 7-500ng	7	✓	50.0	49.2	98.5
p1 Cal 8-1000ng	8	✓	100.0	104.2	104.2



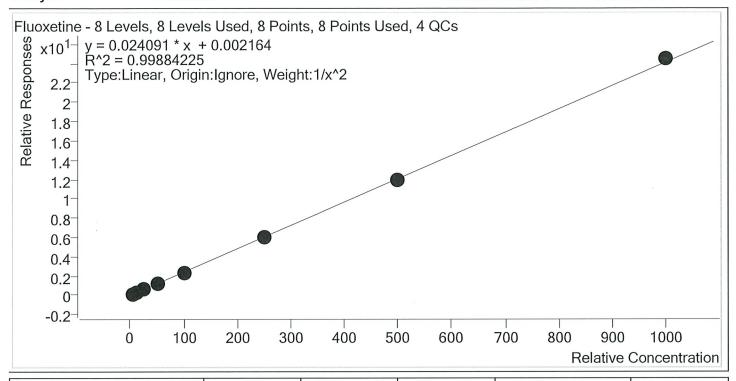
Last Cal. Update Analyst Name 9/8/2020 8:11 AM ISP\datastor

Analyte

Fluoxetine

Internal Standard

Fluoxetine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.6
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.1
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.5
p1 Cal 4-50ng	4	✓	50.0	52.3	104.6
p1 Cal 5-100ng	5	✓	100.0	99.5	99.5
p1 Cal 6-250ng	6	✓	250.0	246.9	98.7
p1 Cal 7-500ng	7	✓	500.0	496.6	99.3
p1 Cal 8-1000ng	8	✓	1000.0	1015.2	101.5



Last Cal. Update Analyst Name

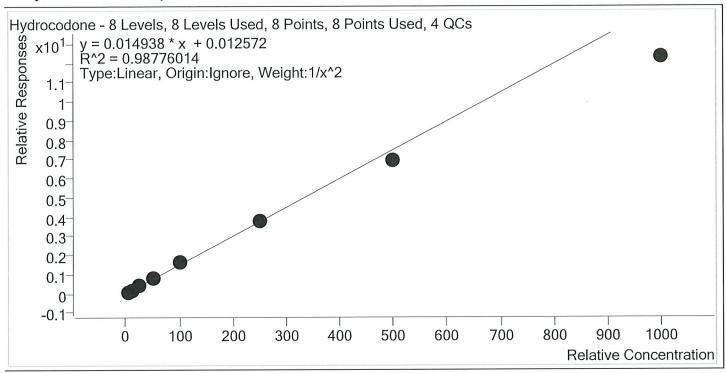
9/8/2020 8:11 AM ISP\datastor

Analyte

Hydrocodone

Internal Standard

Hydrocodone-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.1
p1 Cal 2- 10ng	2	✓	10.0	10.5	104.7
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.6
p1 Cal 4-50ng	4	✓	50.0	56.2	112.5
p1 Cal 5-100ng	5	✓	100.0	107.4	107.4
p1 Cal 6-250ng	6	✓	250.0	249.9	100.0
p1 Cal 7-500ng	7	✓	500.0	462.3	92.5
p1 Cal 8-1000ng	8	√	1000.0	824.0	82.4



Batch results

D:\MassHunter\Data\2020\AM 27-28\090320 AM 27 28 SJ SP\QuantResults\AM 28.batch.bin

Last Cal. Update

9/8/2020 8:11 AM

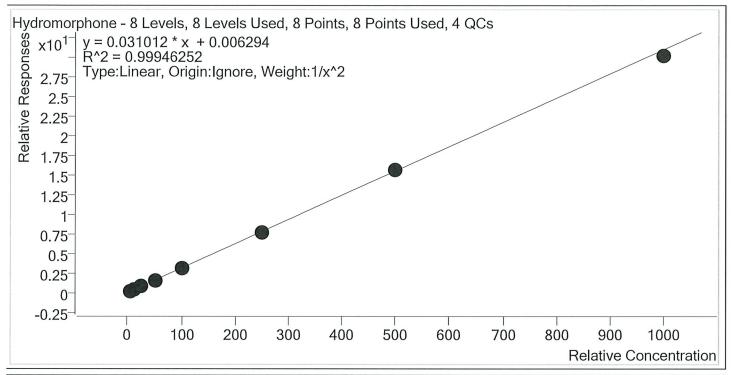
Analyst Name

Analyte

ISP\datastor Hydromorphone

Internal Standard

Hydromorphone-D6



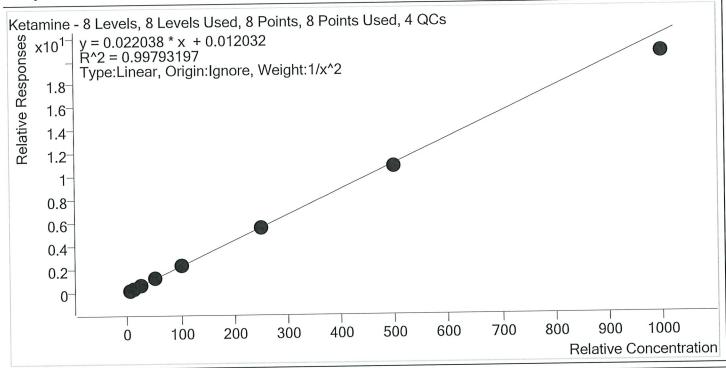
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.9
p1 Cal 2- 10ng	2	✓	10.0	9.9	98.6
p1 Cal 3 -25ng	3	✓	25.0	26.0	104.0
p1 Cal 4-50ng	4	✓	50.0	50.6	101.1
p1 Cal 5-100ng	5	✓	100.0	98.7	98.7
p1 Cal 6-250ng	6	✓	250.0	249.7	99.9
p1 Cal 7-500ng	7	✓	500.0	502.1	100.4
p1 Cal 8-1000ng	8	✓	1000.0	973.4	97.3

Batch results D:\MassHunter\Data\2020\AM 27-28\090320 AM 27 28 SJ SP\QuantResults\AM 28.batch.bin

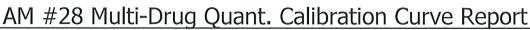
Last Cal. Update Analyst Name

9/8/2020 8:11 AM ISP\datastor

Analyte Ketamine Internal Standard Ketamine-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.1
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.2
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.3
p1 Cal 4-50ng	4	✓	50.0	53.0	106.0
p1 Cal 4-30ng	5	1	100.0	101.2	101.2
	6	√	250.0	249.2	99.7
p1 Cal 6-250ng	7	√	500.0	486.6	97.3
p1 Cal 7-500ng p1 Cal 8-1000ng	8	√	1000.0	930.8	93.1



Batch results

D:\MassHunter\Data\2020\AM 27-28\090320 AM 27 28 SJ SP\QuantResults\AM 28.batch.bin

Last Cal. Update

9/8/2020 8:11 AM

Analyst Name

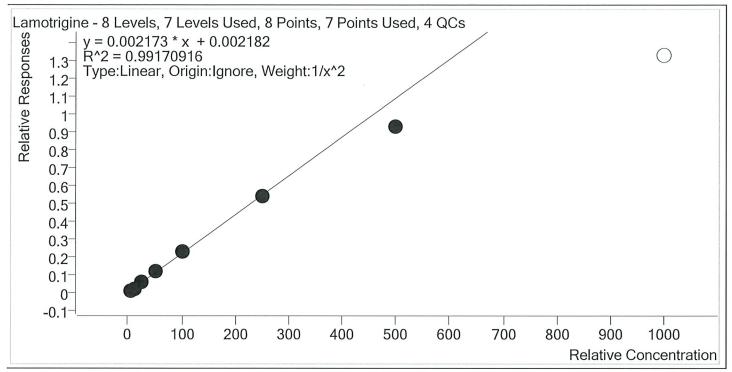
Analyte

ISP\datastor

Lamotrigine

Internal Standard

Ketamine-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.7
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.2
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.6
p1 Cal 4-50ng	4	✓	50.0	55.6	111.3
p1 Cal 5-100ng	5	✓	100.0	105.0	105.0
p1 Cal 6-250ng	6	<i>√</i>	250.0	248.4	99.4
p1 Cal 7-500ng	7	✓	500.0	428.7	85.7
p1 Cal 8-1000ng	8	×	1000.0	609.8	61.0



Batch results D:\MassHunter\Data\2020\AM 27-28\090320 AM 27 28 SJ SP\QuantResults\AM 28.batch.bin

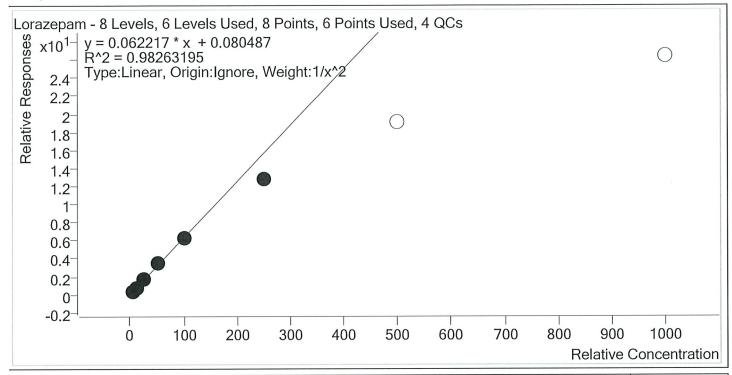
Last Cal. Update Analyst Name

9/8/2020 8:11 AM ISP\datastor

Analyte Lorazepam

Internal Standard

Clonazepam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	93.9
p1 Cal 2- 10ng	2	✓	10.0	10.8	108.1
p1 Cal 3 -25ng	3	✓	25.0	26.8	107.4
p1 Cal 4-50ng	4	✓	50.0	54.7	109.4
p1 Cal 5-100ng	5	✓	100.0	99.7	99.7
p1 Cal 6-250ng	6	✓	250.0	203.8	81.5
p1 Cal 7-500ng	7	x	500.0	307.4	61.5
p1 Cal 8-1000ng	8	×	1000.0	422.9	42.3



Batch results
Last Cal. Update

D:\MassHunter\Data\2020\AM 27-28\090320 AM 27 28 SJ SP\QuantResults\AM 28.batch.bin

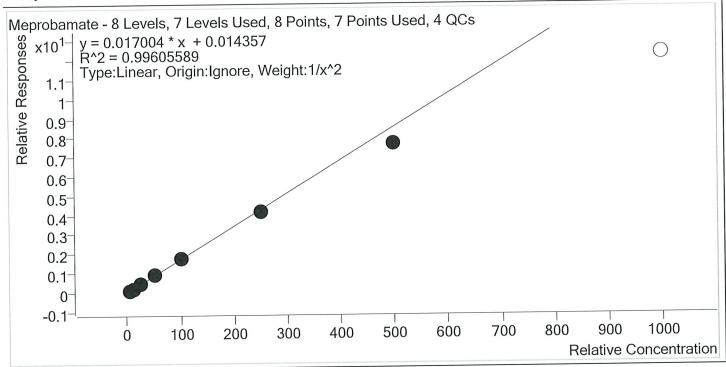
Last Cal. Update Analyst Name 9/8/2020 8:11 AM ISP\datastor

Analyte

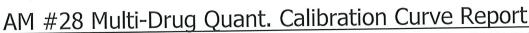
Meprobamate

Internal Standard

Meprobamate-D7



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.5
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.0
p1 Cal 4-50ng	4	✓	50.0	52.3	104.6
p1 Cal 5-100ng	5	✓	100.0	103.8	103.8
p1 Cal 6-250ng	6	✓	250.0	246.0	98.4
p1 Cal 7-500ng	7	✓	500.0	448.9	89.8
p1 Cal 8-1000ng	8	х	1000.0	721.7	72.2



Batch results

D:\MassHunter\Data\2020\AM 27-28\090320 AM 27 28 SJ SP\QuantResults\AM 28.batch.bin

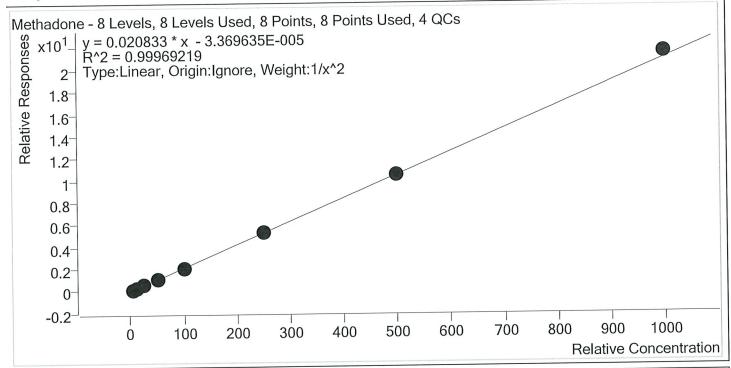
Last Cal. Update Analyst Name 9/8/2020 8:11 AM ISP\datastor

Analyte

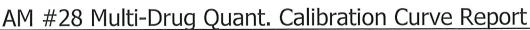
Methadone

Internal Standard

Methadone-D9



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.3
p1 Cal 2- 10ng	2	✓	10.0	9.8	98.3
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.1
p1 Cal 4-50ng	4	✓	50.0	49.9	99.8
p1 Cal 5-100ng	5	✓	100.0	99.7	99.7
p1 Cal 6-250ng	6	✓	250.0	249.2	99.7
p1 Cal 7-500ng	7	✓	500.0	502.4	100.5
p1 Cal 7-300ng	8	✓	1000.0	1027.6	102.8

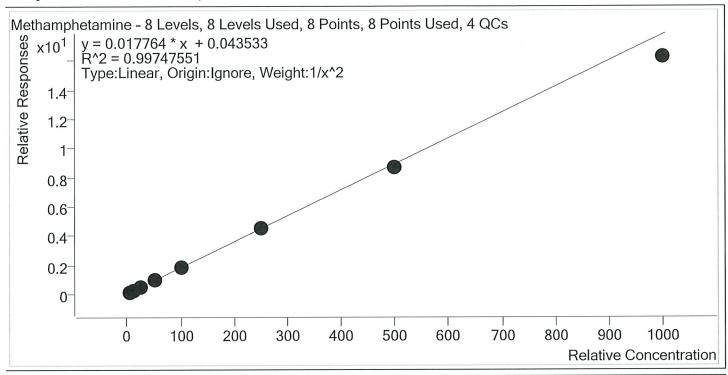


Last Cal. Update Analyst Name 9/8/2020 8:11 AM ISP\datastor

Analyte Methamphetamine

Internal Standard

Methamphetamine-D11



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.4
p1 Cal 2- 10ng	2	✓	10.0	10.3	102.8
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.3
p1 Cal 4-50ng	4	✓	50.0	52.5	105.1
p1 Cal 5-100ng	5	✓	100.0	101.1	101.1
p1 Cal 6-250ng	6	✓	250.0	253.0	101.2
p1 Cal 7-500ng	7	√	500.0	488.5	97.7
p1 Cal 8-1000ng	8	✓	1000.0	913.7	91.4



Batch results Last Cal. Update D:\MassHunter\Data\2020\AM 27-28\090320 AM 27 28 SJ SP\QuantResults\AM 28.batch.bin

Analyst Name

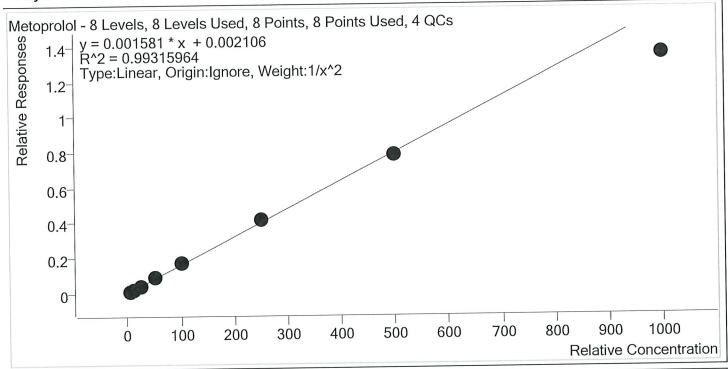
9/8/2020 8:11 AM ISP\datastor

Analyte

Metoprolol

Internal Standard

Tramadol-13C-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.4
p1 Cal 2- 10ng	2	✓	10.0	9.6	95.8
p1 Cal 3 -25ng	3	1	25.0	25.9	103.7
p1 Cal 4-50ng	4	✓	50.0	53.8	107.6
p1 Cal 5-100ng	5	√	100.0	104.1	104.1
p1 Cal 6-250ng	6	√	250.0	263.5	105.4
	7	/	500.0	489.4	97.9
p1 Cal 7-500ng p1 Cal 8-1000ng	8	✓	1000.0	850.7	85.1



Batch results

D:\MassHunter\Data\2020\AM 27-28\090320 AM 27 28 SJ SP\QuantResults\AM 28.batch.bin

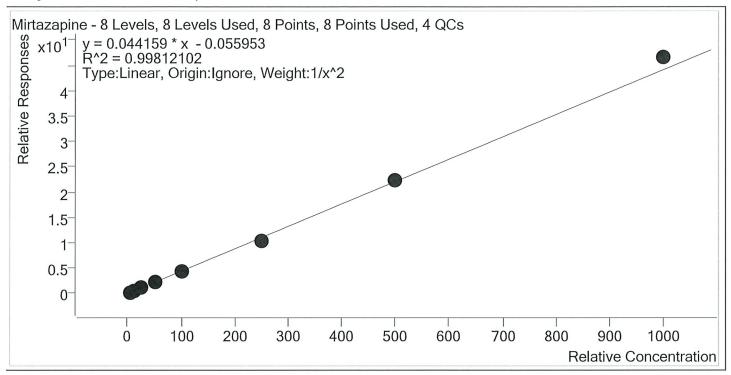
Last Cal. Update Analyst Name 9/8/2020 8:11 AM

Analyte

ISP\datastor Mirtazapine

Internal Standard

Methadone-D9



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.4
p1 Cal 2- 10ng	2	✓	10.0	10.4	104.3
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.2
p1 Cal 4-50ng	4	✓	50.0	50.0	99.9
p1 Cal 5-100ng	5	✓	100.0	97.6	97.6
p1 Cal 6-250ng	6	✓	250.0	235.4	94.1
p1 Cal 7-500ng	7	✓	500.0	509.4	101.9
p1 Cal 8-1000ng	8	✓	1000.0	1055.6	105.6

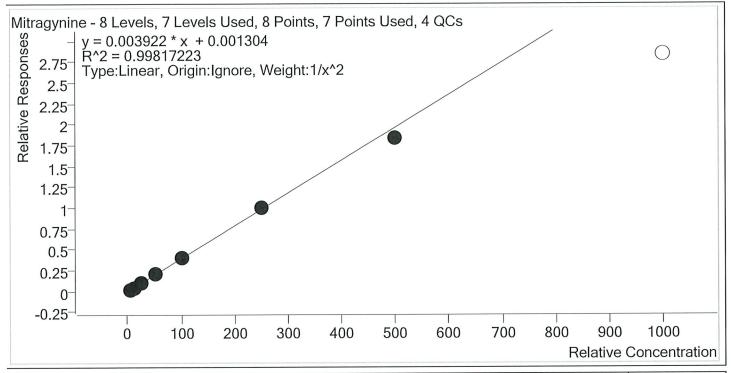


Batch results D:\MassHunter\Data\2020\AM 27-28\090320 AM 27 28 SJ SP\QuantResults\AM 28.batch.bin

Last Cal. Update Analyst Name

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Analyte Mitragynine Internal Standard Methadone-D9



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.4
p1 Cal 2- 10ng	2	✓	10.0	9.8	97.9
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.4
p1 Cal 4-50ng	4	✓	50.0	52.1	104.2
p1 Cal 5-100ng	5	✓	100.0	102.7	102.7
p1 Cal 6-250ng	6	✓	250.0	252.9	101.2
p1 Cal 7-500ng	7	✓	500.0	465.6	93.1
p1 Cal 8-1000ng	8	×	1000.0	723.3	72.3



Batch results D:\MassHunter\Data\2020\AM 27-28\090320 AM 27 28 SJ SP\QuantResults\AM 28.batch.bin

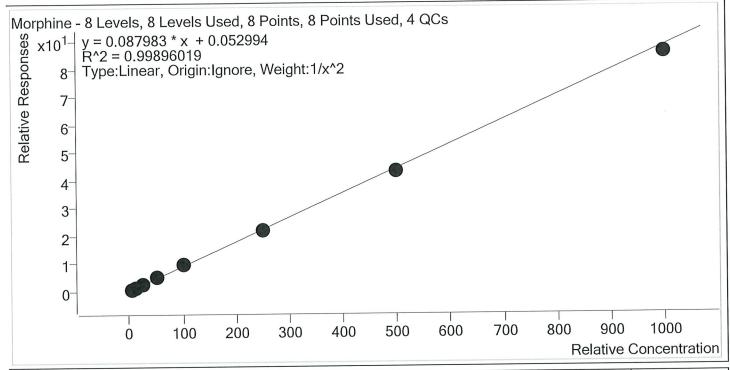
Last Cal. Update Analyst Name 9/8/2020 8:11 AM ISP\datastor

Analyte

Morphine

Internal Standard

Morphine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.0
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.1
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.5
p1 Cal 4-50ng	4	✓	50.0	51.9	103.9
p1 Cal 5-100ng	5	✓	100.0	104.7	104.7
p1 Cal 6-250ng	6	✓	250.0	243.8	97.5
p1 Cal 7-500ng	7	✓	500.0	490.6	98.1
p1 Cal 8-1000ng	8	✓	1000.0	972.8	97.3







Batch results

D:\MassHunter\Data\2020\AM 27-28\090320 AM 27 28 SJ SP\QuantResults\AM 28.batch.bin

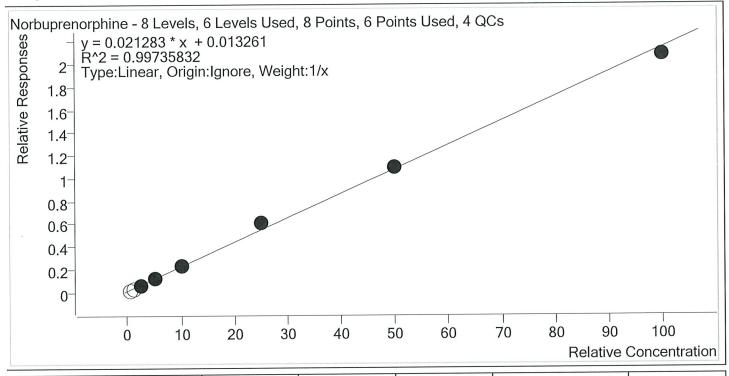
Last Cal. Update

9/8/2020 8:11 AM

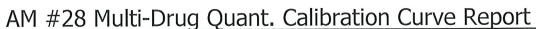
Analyst Name Analyte ISP\datastor Norbuprenorphine

Internal Standard

Norbuprenorphine-D3



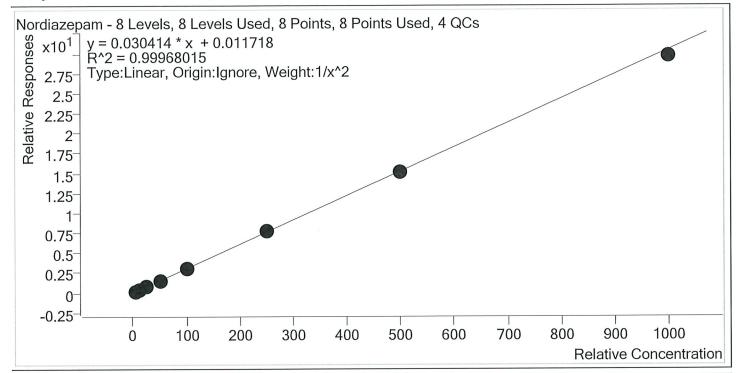
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	×	0.5	0.0	5.8
p1 Cal 2- 10ng	2	×	1.0	0.5	53.1
p1 Cal 3 -25ng	3	✓	2.5	2.3	91.3
p1 Cal 4-50ng	4	✓	5.0	5.0	100.7
p1 Cal 5-100ng	5	✓	10.0	9.9	99.3
p1 Cal 6-250ng	6	✓	25.0	27.6	110.5
p1 Cal 7-500ng	7	✓	50.0	50.6	101.1
p1 Cal 8-1000ng	8	✓	100.0	97.1	97.1



Last Cal. Update 9/8/ Analyst Name ISP

9/8/2020 8:11 AM ISP\datastor

Analyte Nordiazepam Internal Standard Nordiazepam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.4
p1 Cal 2- 10ng	2	✓	10.0	9.9	98.7
p1 Cal 3 -25ng	3	✓	25.0	25.0	99.9
p1 Cal 4-50ng	4	✓	50.0	51.4	102.8
p1 Cal 5-100ng	5	✓	100.0	100.6	100.6
p1 Cal 6-250ng	6	✓	250.0	251.2	100.5
p1 Cal 7-500ng	7	✓	500.0	498.5	99.7
p1 Cal 8-1000ng	8	✓	1000.0	974.4	97.4



Batch results D:\MassHunter\Data\2020\AM 27-28\090320 AM 27 28 SJ SP\QuantResults\AM 28.batch.bin

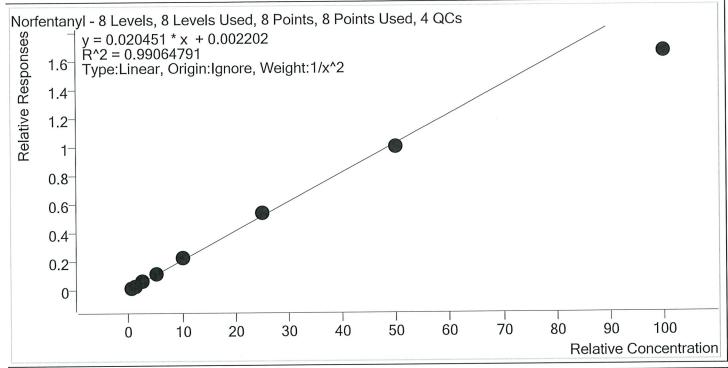
Last Cal. Update

9/8/2020 8:11 AM

Analyst Name Analyte ISP\datastor Norfentanyl

Internal Standard

Norfentanyl-D5

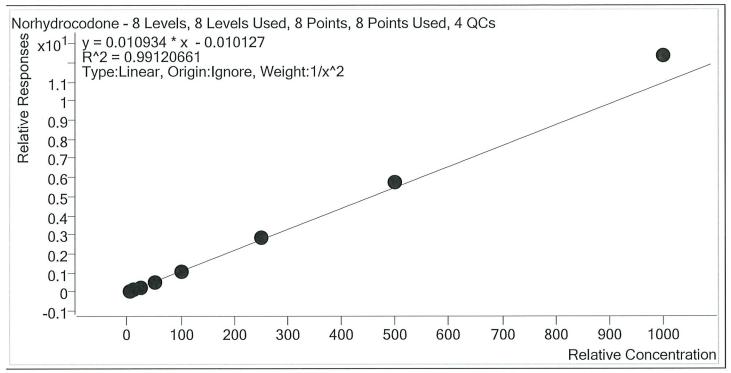


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	98.1
p1 Cal 2- 10ng	2	✓	1.0	1.0	100.2
p1 Cal 3 -25ng	3	✓	2.5	2.6	103.8
p1 Cal 4-50ng	4	✓	5.0	5.4	107.3
p1 Cal 5-100ng	5	✓	10.0	10.6	106.4
p1 Cal 6-250ng	6	✓	25.0	26.3	105.1
p1 Cal 7-500ng	7	✓	50.0	48.9	97.8
p1 Cal 8-1000ng	8	✓	100.0	81.2	81.2



Last Cal. Update9/8/2020 8:11 AMAnalyst NameISP\datastor

Analyte Norhydrocodone Internal Standard Norhydrocodone-D3

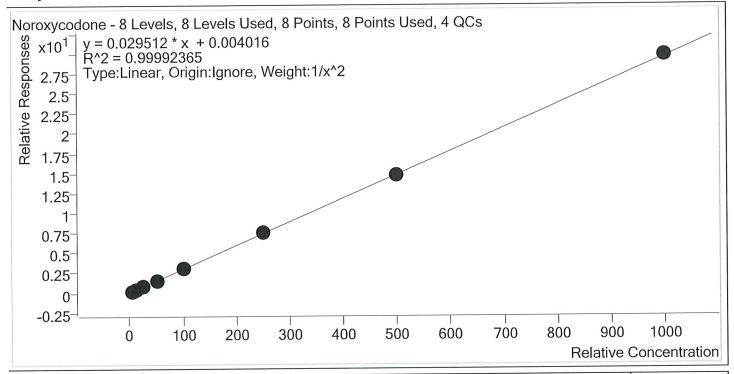


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	105.9
p1 Cal 2- 10ng	2	✓	10.0	9.3	92.8
p1 Cal 3 -25ng	3	✓	25.0	23.4	93.4
p1 Cal 4-50ng	4	✓	50.0	45.3	90.5
p1 Cal 5-100ng	5	✓	100.0	94.6	94.6
p1 Cal 6-250ng	6	✓	250.0	261.2	104.5
p1 Cal 7-500ng	7	√	500.0	526.1	105.2
p1 Cal 8-1000ng	8	✓	1000.0	1130.6	113.1

Batch results D:\MassHunter\Data\2020\AM 27-28\090320 AM 27 28 SJ SP\QuantResults\AM 28.batch.bin

Last Cal. Update 9/8/2020 8:11 AM Analyst Name ISP\datastor

Analyte Noroxycodone Internal Standard Noroxycodone-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.3
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.0
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.3
p1 Cal 4-50ng	4	✓	50.0	50.2	100.4
p1 Cal 5-100ng	5	✓	100.0	99.9	99.9
p1 Cal 6-250ng	6	✓	250.0	251.5	100.6
p1 Cal 7-500ng	7	✓	500.0	498.7	99.7
p1 Cal 8-1000ng	8	✓	1000.0	1007.0	100.7

Batch results

D:\MassHunter\Data\2020\AM 27-28\090320 AM 27 28 SJ SP\QuantResults\AM 28.batch.bin

Last Cal. Update Analyst Name 9/8/2020 8:11 AM

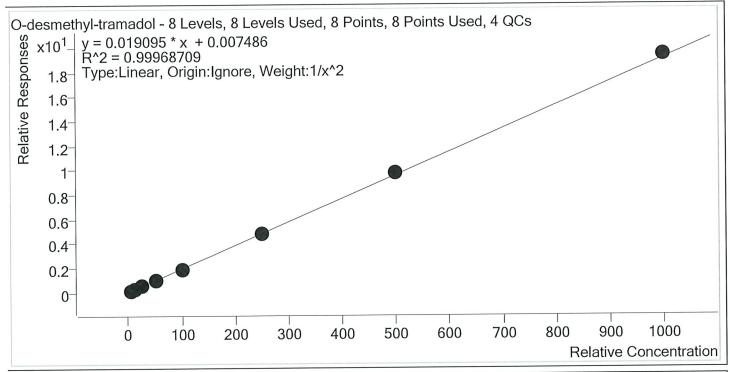
ISP\datastor

Analyte

O-desmethyl-tramadol

Internal Standard

O-desmethyl-tramadol-



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.9
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.1
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.0
p1 Cal 4-50ng	4	✓	50.0	49.7	99.4
p1 Cal 5-100ng	5	✓	100.0	98.3	98.3
p1 Cal 6-250ng	6	✓	250.0	251.0	100.4
p1 Cal 7-500ng	7	✓	500.0	511.3	102.3
n1 Cal 8-1000ng	8	✓	1000.0	1015.6	101.6



Batch results

D:\MassHunter\Data\2020\AM 27-28\090320 AM 27 28 SJ SP\QuantResults\AM 28.batch.bin

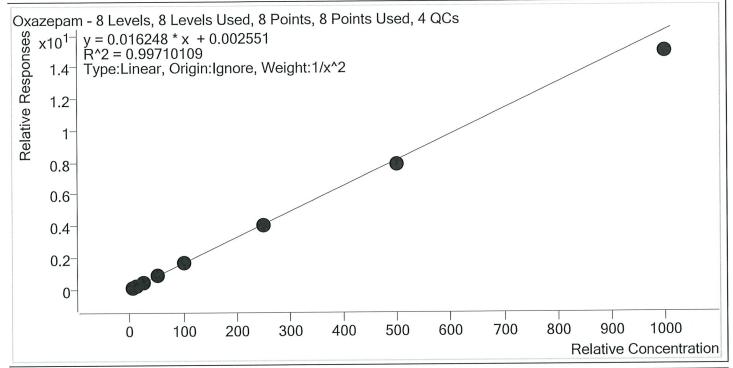
Last Cal. Update Analyst Name 9/8/2020 8:11 AM

Analyte

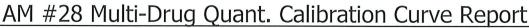
ISP\datastor Oxazepam

Internal Standard

Oxazepam-D5

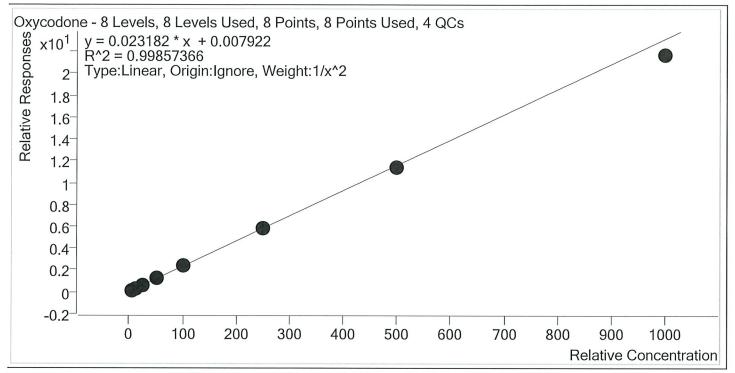


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.1
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.4
p1 Cal 3 -25ng	3	✓	25.0	26.5	106.0
p1 Cal 4-50ng	4	✓	50.0	52.7	105.3
p1 Cal 5-100ng	5	✓	100.0	101.0	101.0
p1 Cal 6-250ng	6	✓	250.0	247.8	99.1
p1 Cal 7-500ng	7	✓	500.0	485.8	97.2
p1 Cal 8-1000ng	8	✓	1000.0	919.3	91.9



Last Cal. Update 9/8/2020 8:11 AM
Analyst Name ISP\datastor

Analyte Oxycodone Internal Standard Oxycodone-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.3
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.3
p1 Cal 3 -25ng	3	✓	25.0	25.7	103.0
p1 Cal 4-50ng	4	✓	50.0	52.0	103.9
p1 Cal 5-100ng	5	✓	100.0	101.8	101.8
p1 Cal 6-250ng	6	✓	250.0	252.7	101.1
p1 Cal 7-500ng	7	✓	500.0	490.4	98.1
p1 Cal 8-1000ng	8	✓	1000.0	935.4	93.5



Last Cal. Update Analyst Name

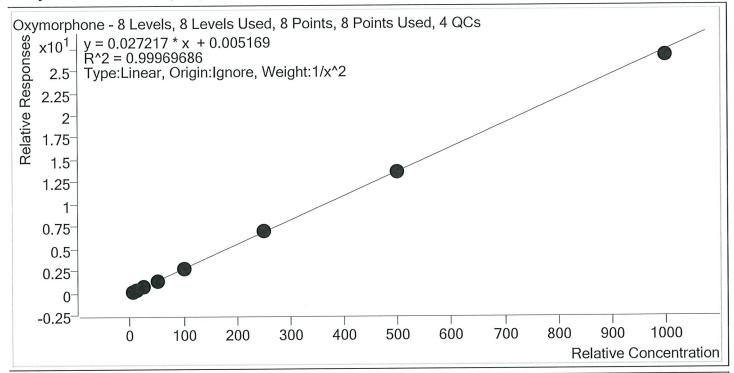
9/8/2020 8:11 AM

Analyte

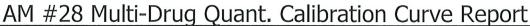
ISP\datastor
Oxymorphone

Internal Standard

Oxymorphone-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.6
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.6
p1 Cal 4-50ng	4	✓	50.0	50.3	100.7
p1 Cal 5-100ng	5	✓	100.0	98.3	98.3
p1 Cal 6-250ng	6	✓	250.0	255.5	102.2
p1 Cal 7-500ng	7	✓	500.0	498.7	99.7
n1 Cal 8-1000ng	8	✓	1000.0	977.6	97.8



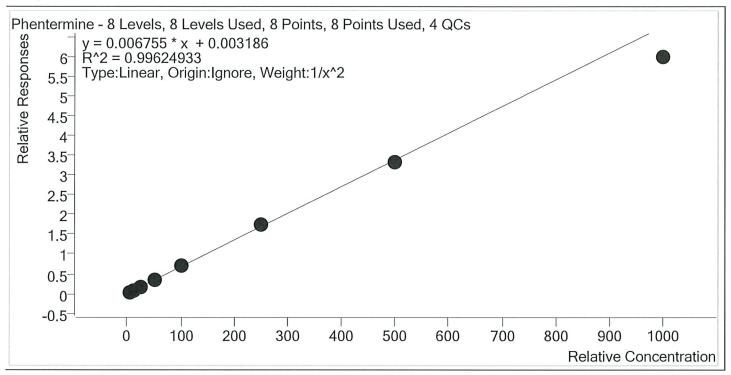
Last Cal. Update
Analyst Name

9/8/2020 8:11 AM

Analyst Name ISP\datastor
Analyte Phentermine

Internal Standard

Phentermine-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.2
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.2
p1 Cal 3 -25ng	3	✓	25.0	25.6	102.4
p1 Cal 4-50ng	4	✓	50.0	52.7	105.3
p1 Cal 5-100ng	5	✓	100.0	103.3	103.3
p1 Cal 6-250ng	6	✓	250.0	258.3	103.3
p1 Cal 7-500ng	7	✓	500.0	488.6	97.7
p1 Cal 8-1000ng	8	✓	1000.0	884.9	88.5

Batch results D:\MassHunter\Data\2020\AM 27-28\090320 AM 27 28 SJ SP\QuantResults\AM 28.batch.bin

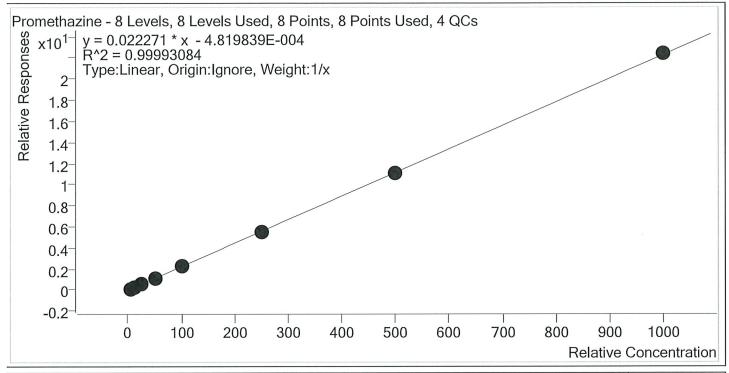
Last Cal. Update Analyst Name 9/8/2020 8:11 AM ISP\datastor

Analyte

Promethazine

Internal Standard

Promethazine-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.1
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.7
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.6
p1 Cal 4-50ng	4	✓	50.0	51.0	102.0
p1 Cal 5-100ng	5	✓	100.0	99.4	99.4
p1 Cal 6-250ng	6	✓	250.0	248.8	99.5
p1 Cal 7-500ng	7	✓	500.0	496.0	99.2
p1 Cal 8-1000ng	8	✓	1000.0	1005.4	100.5

Batch results

D:\MassHunter\Data\2020\AM 27-28\090320 AM 27 28 SJ SP\QuantResults\AM 28.batch.bin

Last Cal. Update **Analyst Name**

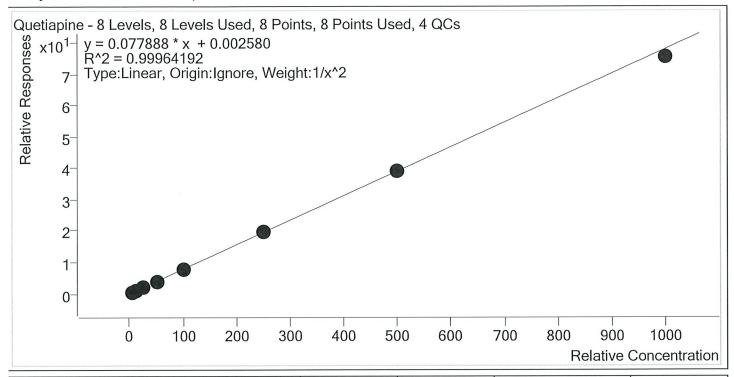
9/8/2020 8:11 AM ISP\datastor

Analyte

Quetiapine

Internal Standard

Quetiapine-D8

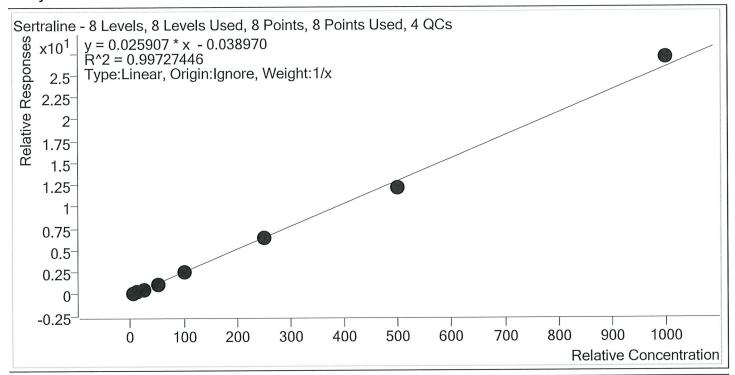


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.0
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	24.7	99.0
p1 Cal 4-50ng	4	✓	50.0	50.5	101.0
p1 Cal 5-100ng	5	✓	100.0	101.5	101.5
p1 Cal 6-250ng	6	✓	250.0	254.8	101.9
p1 Cal 7-500ng	7	✓	500.0	499.4	99.9
p1 Cal 8-1000ng	8	✓	1000.0	967.1	96.7

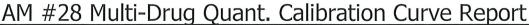
Batch results D:\MassHunter\Data\2020\AM 27-28\090320 AM 27 28 SJ SP\QuantResults\AM 28.batch.bin

Last Cal. Update 9/8/2020 8:11 AM Analyst Name ISP\datastor

Analyte Sertraline Internal Standard Sertraline-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	6.2	123.2
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.5
p1 Cal 3 -25ng	3	✓	25.0	22.7	90.6
p1 Cal 4-50ng	4	✓	50.0	46.3	92.6
p1 Cal 5-100ng	5	✓	100.0	96.2	96.2
p1 Cal 6-250ng	6	✓	250.0	247.4	99.0
p1 Cal 7-500ng	7	✓	500.0	468.0	93.6
p1 Cal 8-1000ng	8	✓	1000.0	1043.2	104.3



Batch results

D:\MassHunter\Data\2020\AM 27-28\090320 AM 27 28 SJ SP\QuantResults\AM 28.batch.bin

Last Cal. Update

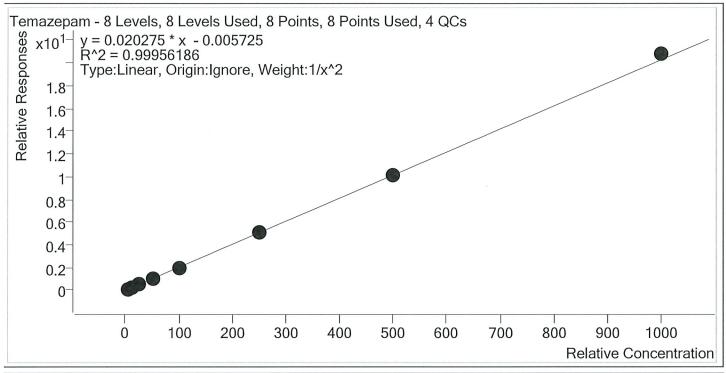
9/8/2020 8:11 AM

Analyst Name Analyte

ISP\datastor Temazepam

Internal Standard

Temazepam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	101.0
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.5
p1 Cal 3 -25ng	3	✓	25.0	24.0	96.1
p1 Cal 4-50ng	4	✓	50.0	50.0	100.0
p1 Cal 5-100ng	5	✓	100.0	100.2	100.2
p1 Cal 6-250ng	6	✓	250.0	250.5	100.2
p1 Cal 7-500ng	7	✓	500.0	502.5	100.5
p1 Cal 8-1000ng	8	✓	1000.0	1025.5	102.5



Batch results Last Cal. Update D:\MassHunter\Data\2020\AM 27-28\090320 AM 27 28 SJ SP\QuantResults\AM 28.batch.bin

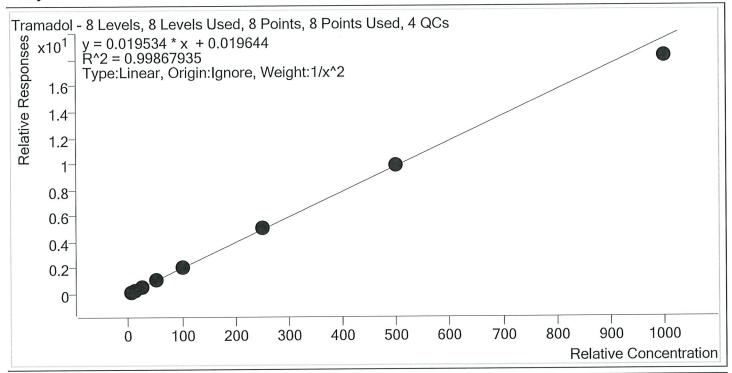
Last Cal. Update Analyst Name 9/8/2020 8:11 AM

Analyte

ISP\datastor Tramadol

Internal Standard

Tramadol-13C-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.4
p1 Cal 2- 10ng	2	✓	10.0	10.3	102.6
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.3
p1 Cal 4-50ng	4	✓	50.0	51.1	102.1
p1 Cal 5-100ng	5	✓	100.0	99.6	99.6
p1 Cal 6-250ng	6	✓	250.0	258.0	103.2
p1 Cal 7-500ng	7	✓	500.0	502.1	100.4
p1 Cal 8-1000ng	8	✓	1000.0	932.8	93.3



Batch results

D:\MassHunter\Data\2020\AM 27-28\090320 AM 27 28 SJ SP\QuantResults\AM 28.batch.bin

Last Cal. Update

9/8/2020 8:11 AM

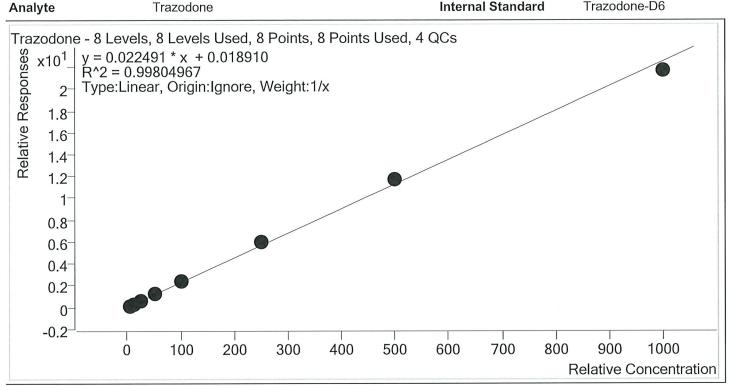
Analyst Name

ISP\datastor

Trazodone

Internal Standard

Trazodone-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.3	86.9
p1 Cal 2- 10ng	2	✓	10.0	9.4	93.5
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.5
p1 Cal 4-50ng	4	✓	50.0	53.1	106.2
p1 Cal 5-100ng	5	✓	100.0	107.6	107.6
p1 Cal 6-250ng	6	✓	250.0	262.1	104.8
p1 Cal 7-500ng	7	✓	500.0	516.2	103.2
p1 Cal 8-1000ng	8	✓	1000.0	962.0	96.2



D:\MassHunter\Data\2020\AM 27-28\090320 AM 27 28 SJ SP\QuantResults\AM 28.batch.bin **Batch results**

Last Cal. Update

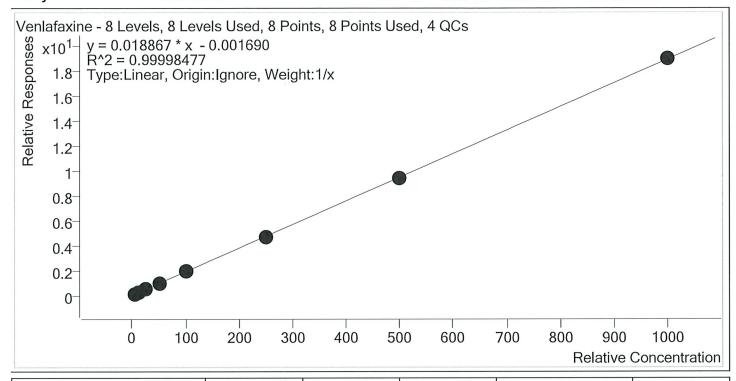
9/8/2020 8:11 AM

Analyst Name ISP\datastor Analyte

Venlafaxine

Internal Standard

Venlafaxine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.1
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.6
p1 Cal 4-50ng	4	✓	50.0	49.5	98.9
p1 Cal 5-100ng	5	✓	100.0	99.6	99.6
p1 Cal 6-250ng	6	✓	250.0	249.3	99.7
p1 Cal 7-500ng	7	✓	500.0	499.3	99.9
p1 Cal 8-1000ng	8	✓	1000.0	1002.6	100.3





Batch results D:\MassHunter\Data\2020\AM 27-28\090320 AM 27 28 SJ SP\QuantResults\AM 28.batch.bin

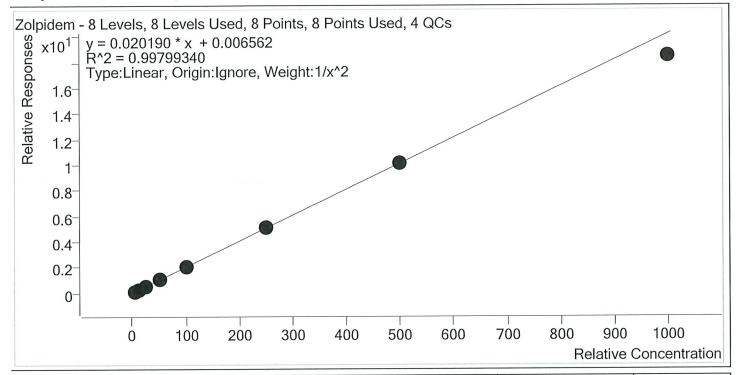
Last Cal. Update Analyst Name

9/8/2020 8:11 AM ISP\datastor

Analyte Zolpidem

Internal Standard

Zolpidem-D6



Sample	Level	Enabled	Expected Final Concentration Concentration		Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	99.0
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.4
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.1
p1 Cal 4-50ng	4	✓	50.0	52.7	105.3
p1 Cal 5-100ng	5	✓	100.0	100.7	100.7
p1 Cal 6-250ng	6	✓	250.0	253.7	101.5
p1 Cal 7-500ng	7	✓	500.0	502.2	100.4
p1 Cal 8-1000ng	8	✓	1000.0	915.0	91.5

AM #28 Multi-Drug Quant. Results

Batch results
Calibration Last Undat

D:\MassHunter\Data\2020\AM 27-28\090320 AM 27 28 SJ SP\QuantResults\AM 28.batch.bin

Calibration Last Update 9/8/2020 8:11:12 AM

Instrument

Falco

Type

Cal

Acq. Method
Sample Positio

MDQ P1 060520.m P5-A9

Sample Position Injection Volume

2

Acq. Date-Time

9/3/2020 5:31:07 PM

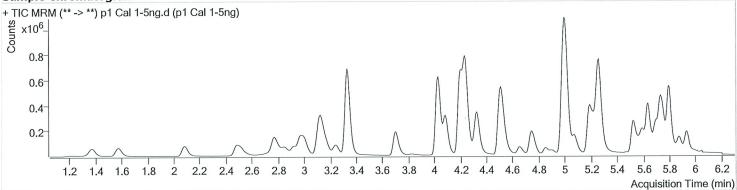
Sample Info.

Data File Sample

Operator Comment p1 Cal 1-5ng.d p1 Cal 1-5ng

Sarah Pickle

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.119	1887	190.07	73.2	∞	76712	0.4971 ng/ml
7-aminoclonazepam	4.250	33270	510.46	82.0	649.90	240169	5.0962 ng/ml
a-hydroxyalprazolam	5.674	12613	57.53	62.5	31.81	58297	4.9360 ng/ml
alpha-PHP	4.908	23950	1236.38	260.2	3915.77	810262	5.3452 ng/ml
alpha-PVP	4.336	94936	3995.96	50.1	280.37	810262	5.2296 ng/ml
Alprazolam	5.758	48302	584.52	101.8	92.62	268275	5.6598 ng/ml
Amphetamine	3.004	127377	1710.77	47.7	1214.89	206157	4.7335 ng/ml
Benzoylecgonine	3.851	2778	175.70	8.0	21.36	20689	5.0304 ng/ml
Buprenorphine	5.850	2109	15.72	18.6	59.64	213672	0.4778 ng/ml
Bupropion	4.766	77025	1516.52	59.7	432.65	485841	5.0339 ng/ml
Carisoprodol	5.707	27979	00	60.9	52.93	273319	4.8842 ng/ml
Citalopram	5.190	53318	1437.48	39.3	187.86	445824	5.2675 ng/ml
Clonazepam	5.588	52787	109.16	33.7	102.47	124385	4.9148 ng/ml
Cocaine	4.236	103334	377594.52	44.6	1127.74	1409825	5.1877 ng/ml
Codeine	2.556	13406	1051.11	106.0	∞	90626	5.4671 ng/ml
Cyclobenzaprine	5.605	27165	434.57	9.9	19.58	208865	5.0921 ng/ml
Dextromethorphan	5.233	26553	138.97	80.4	989.99	252451	5.0186 ng/ml
Dextrorphan	4.090	27063	∞	214.2	772.45	685507	5.1773 ng/ml
Diazepam	5.936	27293	97.82	86.7	87.61	255256	4.9919 ng/ml
Dihydrocodeine	2.522	25149	2498.84	62.4	702.21	258956	4.8532 ng/ml
Diphenhydramine	5.260	109735	451.89	32.3	351.82	1668902	5.2813 ng/ml
Doxylamine	4.521	196006	∞	96.0	5945.39	1511586	5.0635 ng/ml
EDDP	5.225	18050	229.37	43.1	60.05	216049	4.9270 ng/ml
Fentanyl	5.087	4039	80.68	71.9	137.64	358618	0.4988 ng/ml
Fluoxetine	5.697	19174	37.20	8.1	∞	156954	4.9809 ng/ml
Hydrocodone	3.000	33679	217.00	38.5	78.12	402905	4.7540 ng/ml
Hydromorphone	1.587	29172	589.52	76.2	186.85	181054	4.9926 ng/ml
Ketamine	4.043	74622	668.63	39.9	235.28	621093	4.9057 ng/ml
Lamotrigine	4.273	8020	166.99	74.3	1448.83	621093	4.9375 ng/ml
Lorazepam	5.729	46353	208.47	54.6	00	124385	4.6960 ng/ml
MDA .	3.157	82962	1131.26	18.3	24.94	330805	4.9205 ng/ml
MDMA	3.251	71263	∞	59.7	695.51	125325	4.9646 ng/ml
Meprobamate	4.876	13697	2296.44	25.5	91.25	139595	4.9262 ng/ml

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.636	76997	935.01	52.2	437.64	730235	5.0629 ng/ml
Methamphetamine	3.178	91129	244.06	41.7	243.57	700619	4.8715 ng/ml
Metoprolol	4.292	16682	39953.58	100.0	985.16	1661242	5.0181 ng/ml
Mirtazapine	4.656	117778	1048.38	48.8	2348.26	730235	4.9195 ng/ml
Mitragynine	5.221	15335	1211.36	38.0	197.59	730235	5.0217 ng/ml
Morphine	1.226	4705	928.89	22.4	84.41	9545	5.0004 ng/ml
Nordiazepam	5.882	27722	488.12	55.8	95.82	168692	5.0179 ng/ml
Norfentanyl	4.051	12865	982.58	38.0	78.22	1051636	0.4905 ng/ml
Norhydrocodone	3.034	3537	244.26	44.0	36.33	74026	5.2962 ng/ml
Noroxycodone	2.871	28668	505.02	49.4	673.55	188625	5.0138 ng/ml
O-desmethyl-tramadol	3.337	177907	963.06	6.1	125.31	1712801	5.0475 ng/ml
Oxazepam	5.739	49316	36.92	88.0	∞	605634	4.8546 ng/ml
Oxycodone	2.803	65074	1430.06	30.9	504.25	528952	4.9652 ng/ml
Oxymorphone	1.376	27873	281.27	46.6	378.71	198030	4.9816 ng/ml
Phentermine	3.736	20015	∞	3.6	25.06	550478	4.9109 ng/ml
Promethazine	5.522	57863	33742.53	33.4	154.87	516287	5.0540 ng/ml
Quetiapine	5.559	62409	2170.78	59.2	96.47	159130	5.0022 ng/ml
Sertraline	5.765	9904	∞	87.9	00	82123	6.1595 ng/ml
Temazepam	5.799	76947	38.25	34.4	24.32	796035	5.0500 ng/ml
Tramadol	4.211	192301	6047.74	3.4	48.86	1661242	4.9202 ng/ml
Trazodone	5.250	76793	309.03	80.3	6286.78	658396	4.3451 ng/ml
Venlafaxine	5.008	136740	1038.97	36.0	169.09	1430257	5.1569 ng/ml
Zolpidem	5.007	191301	11293.73	30.5	1703.05	1796397	4.9495 ng/ml

STATE OF TAKE OF TAKE

Batch results D:\MassHunter\Data\2020\AM 27-28\090320 AM 27 28 SJ SP\QuantResults\AM 28.batch.bin Calibration Last Update 9/8/2020 8:11:12 AM

Instrument Type Falco

Cal

Acq. Method
Sample Position

MDQ P1 060520.m

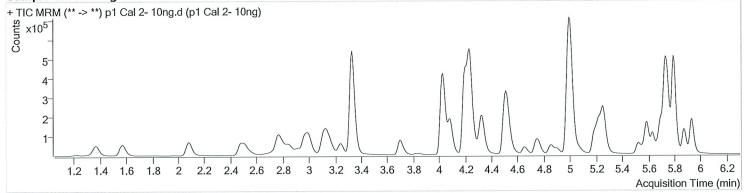
P5-B9

Injection Volume 2 **Acq. Date-Time** 2 9/3/2020 5:41:51 PM

Sample Info.

Data File
Sample
P1 060520 m Operator

Operator Comment p1 Cal 2- 10ng.d p1 Cal 2- 10ng Sarah Pickle



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.112	2692	357.75	71.8	3013.14	55499	1.0141 ng/ml
7-aminoclonazepam	4,243	43648	642.28	80.8	∞	167646	9.6695 ng/ml
a-hydroxyalprazolam	5.674	27421	858.57	59.8	1580.61	65530	10.0267 ng/ml
alpha-PHP	4.908	18985	1174.37	266.2	1355.61	421830	8.7483 ng/ml
alpha-PVP	4.336	97175	816.95	51.4	320.27	421830	10.1405 ng/ml
Alprazolam	5.758	90301	554 . 93	108.0	644.87	267227	9.9601 ng/ml
Amphetamine	2.997	94712	1910.59	47.8	1558.85	79539	10.6751 ng/ml
Benzoylecgonine	3.851	4649	73.20	7.6	8.18 Low	17082	10.0521 ng/ml
Buprenorphine	5.850	1371	32.41	16.8	7.06 Low	51951	1.1278 ng/ml
Bupropion	4.766	56347	718.09	61.2	1343.97	183005	9.8715 ng/ml
Carisoprodol	5.707	54626	175111.87	53.0	230.02	259604	10.2881 ng/ml
Citalopram	5.190	31649	518.76	43.9	1582.95	144393	9.7565 ng/ml
Clonazepam	5.588	118744	398.23	32.2	1019.75	136209	10.2569 ng/ml
Cocaine	4.236	125831	25972.06	43.4	557.21	874190	10.0850 ng/ml
Codeine	2.556	13633	327.47	106.7	497.30	63571	8.4520 ng/ml
Cyclobenzaprine	5.605	8143	461.32	11.7	23.82	34044	9.6865 ng/ml
Dextromethorphan	5.226	13401	318.21	78.2	1087.00	63922	10.0132 ng/ml
Dextrorphan	4.084	27032	1396.84	211.1	929.46	345321	10.0576 ng/ml
Diazepam	5.936	61199	1657.76	87.7	1203.19	287761	10.0473 ng/ml
Dihydrocodeine	2.515	35566	2010.39	65.6	10695.23	186424	10.1910 ng/ml
Diphenhydramine	5.260	53523	8582.88	32.5	136.37	413074	10.0875 ng/ml
Doxylamine	4.521	192252	∞	98.7	8870.69	787988	9.7718 ng/ml
EDDP	5.225	47960	3773.23	42.7	252.88	260056	10.2727 ng/ml
Fentanyl	5.087	1162	46.07	66.8	∞	51647	1.0272 ng/ml
Fluoxetine	5.697	5875	196.19	8.5	977.73	23669	10.2141 ng/ml
Hydrocodone	3.000	46491	137.38	36.7	358.05	275124	10.4702 ng/ml
Hydromorphone	1.581	40577	218.82	76.4	280.06	130018	9.8606 ng/ml
Ketamine	4.043	90706	2658.85	40.7	278.69	385728	10.1244 ng/ml
Lamotrigine	4.266	9240	565.83	82.9	1510.69	385728	10.0192 ng/ml
Lorazepam	5.729	102569	∞	54.6	2902.90	136209	10.8096 ng/ml
MDA	3.150	79175	839.88	20.1	47.05	163687	10.0601 ng/ml
MDMA	3.251	69632	7974.33	60.8	821.80	61806	10.0669 ng/ml
Meprobamate	4.876	21980	217.74	26.1	216.55	119288	9.9919 ng/ml





Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.636	35308	537.22	52.4	279.14	172443	9.8302 ng/ml
Methamphetamine	3.178	50848	71.02	41.9	187.43	224902	10.2771 ng/ml
Metoprolol	4.292	17734	3523.44	96.2	00	1027283	9.5842 ng/ml
Mirtazapine	4.650	69804	7962.98	49.2	14498.80	172443	10.4338 ng/ml
Mitragynine	5.221	6849	10208.41	39.0	5365.43	172443	9.7948 ng/ml
Morphine	1.220	6832	1175.43	22.1	378.79	7385	9.9130 ng/ml
Norbuprenorphine	4.950	164	5.68 Low	77.6	86.38	6693	0.5310 ng/ml
Nordiazepam	5.882	58931	1688.91	57.5	427.81	188888	9.8727 ng/ml
Norfentanyl	4.044	15882	4277.63	38.0	98.74	699923	1.0019 ng/ml
Norhydrocodone	3.027	4622	∞	44.2	117.38	50595	9.2816 ng/ml
Noroxycodone	2.864	39770	522.98	48.4	337.61	132916	10.0025 ng/ml
O-desmethyl-tramadol	3.337	246015	3042.10	6.0	836.85	1250591	9.9100 ng/ml
Oxazepam	5.739	106186	2816.21	75.4	90.28	628338	10.2441 ng/ml
Oxycodone	2.796	88501	707.59	30.9	742.91	371715	9.9287 ng/ml
Oxymorphone	1.370	39814	921.29	46.4	1473.23	143469	10.0062 ng/ml
Phentermine	3.736	15683	476.96	3.3	18.46	219098	10.1245 ng/ml
Promethazine	5.522	18499	412.74	31.1	230.88	81870	10.1673 ng/ml
Quetiapine	5.559	41119	∞	61.5	∞	52661	9.9920 ng/ml
Sertraline	5.765	2632	152.52	98.6	4580.56	11893	10.0472 ng/ml
Temazepam	5.799	167635	1496.31	31.0	578.11	855218	9.9502 ng/ml
Tramadol	4.211	226079	8707.44	3.2	174.39	1027283	10.2604 ng/ml
Trazodone	5.250	36101	8736.72	78.5	1398.92	157441	9.3541 ng/ml
Venlafaxine	5.008	123839	1405.87	36.4	526.54	662833	9.9923 ng/ml
Zolpidem	5.007	251431	8528.46	30.8	24792.57	1200983	10.0444 ng/ml



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Falco

Type Acq. Method

Instrument

MDQ P1 060520.m

Sample Position

Injection Volume Acq. Date-Time

Sample Info.

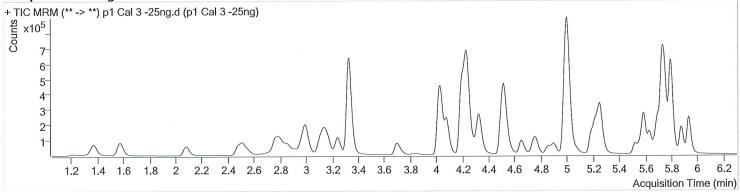
Cal

P5-C9

9/3/2020 5:52:27 PM

Data File Sample Operator Comment

p1 Cal 3 -25ng.d p1 Cal 3 -25ng Sarah Pickle



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.105	6295	27094.31	69.6	13466.37	54428	2.4659 ng/ml
7-aminoclonazepam	4.243	103864	317.78	83.1	4557.74	158644	24.4727 ng/ml
a-hydroxyalprazolam	5.674	63375	898.92	64.1	447.90	60827	25.7315 ng/ml
alpha-PHP	4.902	45047	1308.83	274.4	12101.24	401266	23.5652 ng/ml
alpha-PVP	4.336	224609	6720.14	50.9	5483.10	401266	24.4304 ng/ml
Alprazolam	5.758	211130	784.52	105.8	2821.65	251087	23.6601 ng/ml
Amphetamine	2.997	214828	5208.72	49.9	2274.12	80012	26.1716 ng/ml
Benzoylecgonine	3.845	10930	263.34	8.0	102.38	16631	24.0784 ng/ml
Buprenorphine	5.850	2833	70.29	20.1	96.44	48442	2.3912 ng/ml
Bupropion	4.760	135920	4453.77	60.4	2588.34	175593	24.9704 ng/ml
Carisoprodol	5.707	130354	458561.26	55.1	276.86	253222	25.5096 ng/ml
Citalopram	5.190	79298	1052.34	43.0	812.15	144230	24.6585 ng/ml
Clonazepam	5.588	276962	509.26	33.4	82738.44	130691	25.1518 ng/ml
Cocaine	4.229	292369	15170.68	45.3	∞	829110	24.5523 ng/ml
Codeine	2.556	32877	498.25	104.1	1842.32	60407	23.2479 ng/ml
Cyclobenzaprine	5.605	20698	44780.76	10.6	54.98	35184	24.3846 ng/ml
Dextromethorphan	5.226	33046	81.38	77.7	1749.37	65242	24.2066 ng/ml
Dextrorphan	4.084	65909	492712.09	211.8	2172.47	332357	25.1536 ng/ml
Diazepam	5.936	140425	∞	87.5	3564.56	272191	24.5436 ng/ml
Dihydrocodeine	2.515	85181	4806.67	63.9	6424.95	179628	26.3424 ng/ml
Diphenhydramine	5.260	131864	4092.59	32.2	1457.09	409789	24.5632 ng/ml
Doxylamine	4.521	455848	13486.64	97.8	35762.64	749725	24.7668 ng/ml
EDDP	5.225	109878	1912.87	43.7	124954.50	235405	25.2351 ng/ml
Fentanyl	5.087	2697	156.06	73.3	∞	54014	2.3176 ng/ml
Fluoxetine	5.697	15006	411.43	10.1	233.04	26272	23.6197 ng/ml
Hydrocodone	2.993	107805	211.73	38.1	623.77	264913	26.3998 ng/ml
Hydromorphone	1.581	97378	∞	76.3	1872.82	119805	26.0067 ng/ml
Ketamine	4.044	216579	4717.38	40.3	4771.41	372506	25.8359 ng/ml
Lamotrigine	4.266	20979	1892.96	87.0	961.42	372506	24.9113 ng/ml
Lorazepam	5.729	228839	∞	54.8	869.99	130691	26.8496 ng/ml
MDA .	3.150	191357	3816.22	20.0	471.45	161125	25.5938 ng/ml
MDMA	3.244	169188	210499.35	61.0	2976.20	60633	25.2801 ng/ml
Meprobamate	4.876	52580	2796.04	27.1	732.98	114114	26.2526 ng/ml







Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.636	85396	575.02	53.1	911.84	167178	24.5213 ng/ml
Methamphetamine	3.171	114614	1620.68	41.1	481.93	228164	25.8280 ng/ml
Metoprolol	4.292	42223	96227.67	97.6	896.97	979897	25.9154 ng/ml
Mirtazapine	4.650	171911	2813.84	49.1	10308.72	167178	24.5535 ng/ml
Mitragynine	5.221	16677	404.67	41.2	362.48	167178	25.1020 ng/ml
Morphine	1.226	16024	3508.59	23.7	293.21	7152	24.8630 ng/ml
Norbuprenorphine	4.951	404	30.77	93.8	∞	6526	2.2836 ng/ml
Nordiazepam	5.882	137085	1784.11	58.3	461.58	177773	24.9686 ng/ml
Norfentanyl	4.044	37382	13327.73	37.0	495.47	676236	2.5954 ng/ml
Norhydrocodone	3.027	11264	108.09	40.0	169.06	45943	23.3504 ng/ml
Noroxycodone	2.864	93070	715.51	48.7	333.14	127605	24.5775 ng/ml
O-desmethyl-tramadol	3.330	569686	18366.28	6.1	791.91	1198228	24.5063 ng/ml
Oxazepam	5.732	249006	2909.10	75.8	407.53	575183	26.4876 ng/ml
Oxycodone	2.796	212780	1646.81	30.9	610.78	351808	25.7485 ng/ml
Oxymorphone	1.370	95446	∞	46.7	1349.70	137009	25.4055 ng/ml
Phentermine	3.736	38662	1011.48	3.1	45.37	219582	25.5932 ng/ml
Promethazine	5.522	45442	∞	32.2	685.59	84570	24.1485 ng/ml
Quetiapine	5.559	100423	473.97	59.5	139.96	52026	24.7493 ng/ml
Sertraline	5.765	6866	62.52	100.8	14618.67	12532	22.6528 ng/ml
Temazepam	5.799	388427	716.04	31.4	118.82	806743	24.0297 ng/ml
Tramadol	4.205	499317	1720.82	3.4	425.24	979897	25.0797 ng/ml
Trazodone	5.250	92055	∞	79.5	00	156152	25.3703 ng/ml
Venlafaxine	5.001	297395	23375.12	36.8	1454.49	641627	24.6567 ng/ml
Zolpidem	5.007	592165	50475.89	30.8	10710.22	1145181	25.2867 ng/ml

D:\MassHunter\Data\2020\AM 27-28\090320 AM 27 28 SJ SP\QuantResults\AM 28.batch.bin **Batch results**

Calibration Last Update 9/8/2020 8:11:12 AM

Instrument **Type**

Falco

Cal Acq. Method

Sample Position

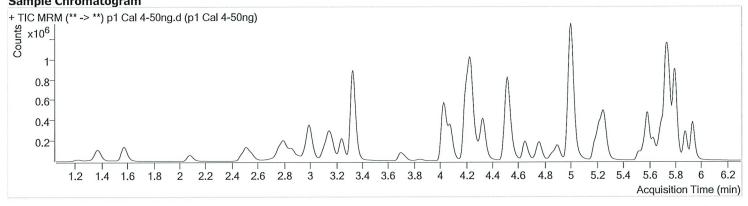
Injection Volume

Acq. Date-Time Sample Info.

MDQ P1 060520.m P5-D9

9/3/2020 6:03:03 PM

Data File Sample Operator Comment p1 Cal 4-50ng.d p1 Cal 4-50ng Sarah Pickle



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.105	13152	21189.50	72.5	20073.25	55890	5.0530 ng/ml
7-aminoclonazepam	4.243	238286	14457.33	82.6	6243.20	176256	50.6460 ng/ml
a-hydroxyalprazolam	5.674	133864	476.82	61.8	928.36	63254	52.7961 ng/ml
alpha-PHP	4.902	101109	1585.05	262.1	2316.96	421169	51.7218 ng/ml
alpha-PVP	4.329	479818	78324.04	50.2	660.59	421169	49.5712 ng/ml
Alprazolam	5.758	449315	1874.44	104.8	1118.49	256241	48.5194 ng/ml
Amphetamine	2.997	451237	7587.28	48.5	10309.09	82628	54.9627 ng/ml
Benzoylecgonine	3.845	22869	1684.61	8.3	∞	16736	49.9162 ng/ml
Buprenorphine	5.857	5570	85.92	17.5	93.38	48969	4.5670 ng/ml
Bupropion	4.760	259877	770.22	62.0	890.96	169003	49.7044 ng/ml
Carisoprodol	5.707	269254	548597.09	53.6	2142.62	254775	52.6182 ng/ml
Citalopram	5.190	163964	670.64	43.1	686.21	147632	49.9366 ng/ml
Clonazepam	5.588	586756	19289.97	32.6	2171.35	135631	51.5037 ng/ml
Cocaine	4.229	622420	49452.39	44.2	24959.68	871425	49.6217 ng/ml
Codeine	2.550	69394	480.44	106.1	416.97	62363	48.7512 ng/ml
Cyclobenzaprine	5.605	37636	57756.76	9.2	119.78	30981	50.7636 ng/ml
Dextromethorphan	5.226	64606	466.98	78.9	230.93	60674	50.8994 ng/ml
Dextrorphan	4.084	137980	6701.69	215.3	1255.66	350320	49.7499 ng/ml
Diazepam	5.936	299840	1525.48	86.4	2065.05	278176	51.4090 ng/ml
Dihydrocodeine	2.515	179916	13223.31	64.5	11075.32	188250	53.7826 ng/ml
Diphenhydramine	5.253	262840	756.63	33.7	2001.79	407427	48.9138 ng/ml
Doxylamine	4.521	998526	∞	97.1	47156.13	815133	50.1797 ng/ml
EDDP	5.218	255509	399.77	43.2	950.77	272295	50.2268 ng/ml
Fentanyl	5.080	5027	227.50	62.3	135.02	45706	5.1417 ng/ml
Fluoxetine	5.690	26635	832.56	8.9	∞	21099	52.3101 ng/ml
Hydrocodone	2.993	228761	178.75	37.2	235.77	268336	56.2271 ng/ml
Hydromorphone	1.581	204161	2106.15	77.2	287.70	129658	50.5714 ng/ml
Ketamine	4.043	440160	∞	39.0	5586.50	372927	53.0102 ng/ml
Lamotrigine	4.259	45912	4577.36	81.6	910.94	372927	55.6457 ng/ml
Lorazepam	5.729	472315	∞	55.3	∞	135631	54.6777 ng/ml
MDA	3.150	405082	8420.14	20.0	424.63	166617	53.0360 ng/ml
MDMA	3.244	356079	76960.24	60.7	4258.05	63829	50.7758 ng/ml
Meprobamate	4.876	108750	11047.01	27.5	2047.30	120337	52.3020 ng/ml



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.636	172594	350.77	51.5	1585.08	166074	49.8877 ng/ml
Methamphetamine	3.171	220777	3752.36	41.7	572.02	226028	52.5362 ng/ml
Metoprolol	4.285	90343	142910.45	96.8	2339.84	1035796	53.8219 ng/ml
Mirtazapine	4.650	357072	11961.45	48.6	4598.36	166074	49.9559 ng/ml
Mitragynine	5.221	34150	1651.53	39.7	28367.65	166074	52.0961 ng/ml
Morphine	1.226	34603	797.89	22.6	83.69	7487	51.9271 ng/ml
Norbuprenorphine	4.950	760	∞	88.0	00	6315	5.0326 ng/ml
Nordiazepam	5.882	288048	1719.37	57.5	1238.12	182898	51.3966 ng/ml
Norfentanyl	4.044	81456	20523.61	36.7	364.74	727576	5.3667 ng/ml
Norhydrocodone	3.027	23264	93.58	42.4	200.41	47993	45.2592 ng/ml
Noroxycodone	2.864	195672	937.55	48.6	2890.18	131712	50.2023 ng/ml
O-desmethyl-tramadol	3.330	1188598	∞	6.0	1968.68	1242269	49.7145 ng/ml
Oxazepam	5.732	511216	8609.09	72.0	∞	595628	52.6674 ng/ml
Oxycodone	2.796	448770	6530.04	30.5	1225.81	370080	51.9679 ng/ml
Oxymorphone	1.370	195312	1130.55	48.4	2769.05	142032	50.3341 ng/ml
Phentermine	3.729	79242	572.25	3.1	186.93	220745	52.6696 ng/ml
Promethazine	5.522	85414	1857.67	31.5	351.03	75248	50.9895 ng/ml
Quetiapine	5.559	215265	51949.47	60.0	280274.16	54693	50.4992 ng/ml
Sertraline	5.765	12579	557.24	94.0	355.91	10837	46.3092 ng/ml
Temazepam	5.799	839947	2427.60	30.4	1011.37	833649	49.9769 ng/ml
Tramadol	4.205	1053565	3228.46	3.4	756.23	1035796	51.0644 ng/ml
Trazodone	5.250	182221	∞	78.9	00	150232	53.0881 ng/ml
Venlafaxine	5.001	627544	3399.08	37.0	1082.39	673815	49.4531 ng/ml
Zolpidem	5.007	1254238	135478.64	30.7	37976.61	1172285	52.6678 ng/ml





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Instrument Type

Falco

Cal

MDQ P1 060520.m

Acq. Method **Sample Position Injection Volume**

P5-E9

Acq. Date-Time

9/3/2020 6:13:38 PM

Sample Info.

Sample Chromatogram



p1 Cal 5-100ng.d p1 Cal 5-100ng Sarah Pickle

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			Acquisition Time (min

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.105	27480	1773.04	71.9	564.96	59046	10.0278 ng/ml
7-aminoclonazepam	4.243	484105	10187.47	82.0	18134.00	181115	100.2341 ng/ml
a-hydroxyalprazolam	5.674	263725	492.82	61.9	749.66	65152	101.4538 ng/ml
alpha-PHP	4.902	204441	17916.16	264.1	7373.33	438559	101.5332 ng/ml
alpha-PVP	4.336	987386	1852.08	50.1	8598.32	438559	97.8216 ng/ml
Alprazolam	5.758	878550	12843.85	106.3	2057.91	254588	94.7552 ng/ml
Amphetamine	2.997	855736	11819.41	48.5	6397.27	82875	105.4134 ng/ml
Benzoylecgonine	3.845	49055	4370.04	7.9	284.07	18413	97.1899 ng/ml
Buprenorphine	5.857	11836	325.13	14.6	2579.75	49763	9.4526 ng/ml
Bupropion	4.760	573908	1188.38	61.3	516.82	184682	100.5507 ng/ml
Carisoprodol	5.707	527904	76939.98	54.9	623.01	263541	99.9431 ng/ml
Citalopram	5.190	340858	755.93	42.7	4581.06	156306	98.1689 ng/ml
Clonazepam	5.588	1169807	32784.49	32.8	00	138773	100.5021 ng/ml
Cocaine	4.229	1263938	70919.67	44.5	59666.19	887373	98.8490 ng/ml
Codeine	2.550	144462	1551.61	105.1	12624.60	65156	98.2995 ng/ml
Cyclobenzaprine	5.605	91656	∞	9.8	00	38329	100.2974 ng/ml
Dextromethorphan	5.226	137439	3293.99	79.4	2646.96	65629	100.1158 ng/ml
Dextrorphan	4.084	281234	21527.19	211.8	1729.89	362027	97.9163 ng/ml
Diazepam	5.936	608862	1668.30	86.4	916.92	290945	99.9235 ng/ml
Dihydrocodeine	2.508	372574	24039.72	64.5	13897.96	201775	104.5435 ng/ml
Diphenhydramine	5.260	556966	15086.43	32.6	4624.65	428209	98.2845 ng/ml
Doxylamine	4.521	2058087	53597.34	97.7	329078.41	847501	99.7494 ng/ml
EDDP	5.218	509923	239.39	43.2	5466.20	277377	97.9225 ng/ml
Fentanyl	5.087	11711	328.49	69.7	15126.28	53837	10.2001 ng/ml
Fluoxetine	5.690	68629	1678.22	8.4	1891.79	28590	99.5492 ng/ml
Hydrocodone	2.993	466023	∞	37.2	175.36	288336	107.3524 ng/ml
Hydromorphone	1.581	409635	7322.30	76.9	∞	133505	98.7368 ng/ml
Ketamine	4.044	911049	78786.31	41.3	5007.91	406256	101.2112 ng/ml
Lamotrigine	4.266	93614	∞	82.3	7452.22	406256	105.0284 ng/ml
Lorazepam	5.729	871995	∞	56.5	4433.97	138773	99.7018 ng/ml
MDA	3.143	805170	22571.19	19.7	1163.71	168190	105.0271 ng/ml
MDMA	3.244	720950	70381.39	60.9	9008.52	66190	99.3624 ng/ml
Meprobamate	4.876	215486	13402.54	26.5	606.57	121132	103.7723 ng/ml

p1 Cal 5-100ng

Generated at 11:17 AM on 9/8/2020





Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.636	362268	1888.22	52.0	11398.84	174472	99.6707 ng/ml
Methamphetamine	3.171	401846	1566.47	42.4	3823.29	218395	101.1315 ng/ml
Metoprolol	4.292	181531	340047.87	97.0	7733.82	1088269	104.1482 ng/ml
Mirtazapine	4.650	741868	10397.64	49.5	∞	174472	97.5561 ng/ml
Mitragynine	5.221	70538	3856.54	38.6	4128.72	174472	102.7487 ng/ml
Morphine	1.220	70645	742.82	22.3	229.23	7628	104.6644 ng/ml
Norbuprenorphine	4.951	1437	74.50	85.2	60.26	6398	9.9334 ng/ml
Nordiazepam	5.882	580064	8827.44	59.3	20547.27	188814	100.6244 ng/ml
Norfentanyl	4.044	163309	8147.66	36.9	3703.82	742806	10.6427 ng/ml
Norhydrocodone	3.027	46297	425.67	42.4	126.77	45220	94.5632 ng/ml
Noroxycodone	2.864	401816	1020.51	47.6	4334.08	136058	99.9322 ng/ml
O-desmethyl-tramadol	3.330	2468019	4212.48	6.0	14327.66	1309678	98.2946 ng/ml
Oxazepam	5.732	972349	75347.03	72.5	7135.21	591626	100.9963 ng/ml
Oxycodone	2.796	935489	3316.66	31.0	1190.38	395069	101.8035 ng/ml
Oxymorphone	1.370	395142	∞	48.5	2755.44	147371	98.3235 ng/ml
Phentermine	3.730	155251	2587.37	3.0	140.81	221496	103.2893 ng/ml
Promethazine	5.522	202309	50786.92	31.8	4340.85	91389	99.4201 ng/ml
Quetiapine	5.559	460706	22869.87	60.0	1130579.68	58243	101.5246 ng/ml
Sertraline	5.765	34317	285.68	90.7	417.83	13985	96.2240 ng/ml
Temazepam	5.799	1727537	15453.45	29.8	10251.52	852942	100.1783 ng/ml
Tramadol	4.205	2139377	43167.18	3.4	4610.09	1088269	99.6300 ng/ml
Trazodone	5.250	408635	409.40	79.4	∞	167481	107.6409 ng/ml
Venlafaxine	5.001	1255679	3422.32	36.5	2459.60	669036	99.5687 ng/ml
Zolpidem	5.007	2546986	∞	31.0	83274.83	1249142	100.6666 ng/ml



Batch results D:\MassHunter\Data\2020\AM 27-28\090320 AM 27 28 SJ SP\QuantResults\AM 28.batch.bin

Calibration Last Update 9/8/2020 8:11:12 AM

Instrument Type

Falco Cal

Acq. Method Sample Position MDQ P1 060520.m

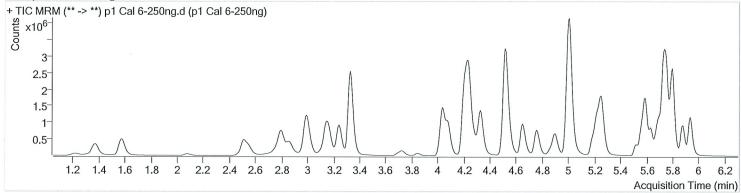
P5-F9 **Injection Volume**

Acq. Date-Time

9/3/2020 6:24:14 PM

Sample Info.

Data File Sample Operator Comment p1 Cal 6-250ng.d p1 Cal 6-250ng Sarah Pickle



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.105	63686	2816.28	70.7	12332.68	53798	25.5603 ng/ml
7-aminoclonazepam	4.243	1023603	15995.95	83.2	770.44	154479	248.6347 ng/ml
a-hydroxyalprazolam	5.674	558205	1977.14	64.0	927.61	57086	245.8063 ng/ml
alpha-PHP	4.902	460145	38189.94	266.8	20361.53	389148	259.3352 ng/ml
alpha-PVP	4.329	2211694	3694.81	49.5	817.77	389148	246.7135 ng/ml
Alprazolam	5.758	1891876	3173.94	104.8	20025.32	207633	248.9516 ng/ml
Amphetamine	2.997	1790693	11314.28	49.2	27022.87	76205	242.0286 ng/ml
Benzoylecgonine	3.845	126557	2562.87	7.5	631.87	18310	251.9210 ng/ml
Buprenorphine	5.857	29028	727.22	16.3	3726.26	45874	25.0005 ng/ml
Bupropion	4.760	1304271	60829.32	60.5	2844.01	167809	251.6414 ng/ml
Carisoprodol	5.707	1083909	2294.60	55.5	1557.20	216631	249.9951 ng/ml
Citalopram	5.190	811709	27929.90	42.4	1778912.39	145050	252.1105 ng/ml
Clonazepam	5.588	2473312	4911.33	32.6	38535.08	117948	250.2353 ng/ml
Cocaine	4.229	2700141	63535.55	44.5	41238.65	763665	245.2207 ng/ml
Codeine	2.550	320666	∞	104.0	114490.33	56371	254.0323 ng/ml
Cyclobenzaprine	5.605	234496	817.67	9.7	515.81	38258	257.6792 ng/ml
Dextromethorphan	5.226	327666	815.42	79.3	6993.02	62087	252.3145 ng/ml
Dextrorphan	4.084	614828	23951.15	213.4	3032.39	316974	244.1715 ng/ml
Diazepam	5.936	1283801	10493.42	86.7	1822.98	242524	252.9397 ng/ml
Dihydrocodeine	2.508	816856	30998.83	66.2	13842.45	183596	252.8643 ng/ml
Diphenhydramine	5.253	1346819	33261.89	32.6	15942.79	411099	247.0566 ng/ml
Doxylamine	4.514	4810914	267728.20	97.4	126327.01	781566	253.2679 ng/ml
EDDP	5.218	1321918	1652.35	43.0	6879.07	285400	245.9572 ng/ml
Fentanyl	5.087	30371	3488.35	68.2	59795.38	58644	24.3275 ng/ml
Fluoxetine	5.690	171293	3188.61	8.9	∞	28791	246.8678 ng/ml
Hydrocodone	2.993	948224	∞	39.7	843.55	253176	249.8751 ng/ml
Hydromorphone	1.581	911586	1174.26	76.8	2874.28	117622	249.7054 ng/ml
Ketamine	4.043	2020166	142164.41	40.5	13223.91	367038	249.2002 ng/ml
Lamotrigine	4.259	198935	11793.21	82.6	∞	367038	248.3974 ng/ml
Lorazepam	5.729	1505173	5621.80	56.7	4684.58	117948	203.8172 ng/ml
MDA	3.143	1702969	140172.12	19.3	2748.48	146744	255.4748 ng/ml
MDMA	3.244	1645958	205539.48	60.6	166441.78	58347	257.7129 ng/ml
Meprobamate	4.876	457880	1136.42	26.5	5733.18	109096	245.9779 ng/ml



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.636	908775	35529.40	52.2	32913.87	175076	249.1661 ng/ml
Methamphetamine	3.171	923862	2215.82	41.9	1785.77	203580	253.0189 ng/ml
Metoprolol	4.285	391407	922536.38	96.7	9115.05	934541	263.5091 ng/ml
Mirtazapine	4.649	1809894	19449.68	49.3	217675.38	175076	235.3676 ng/ml
Mitragynine	5.221	173884	19191.75	38.1	4368.06	175076	252.8986 ng/ml
Morphine	1.220	156548	523.29	23.3	2875.40	7282	243.7510 ng/ml
Norbuprenorphine	4.950	3781	218.10	82.2	181.77	6289	27.6218 ng/ml
Nordiazepam	5.882	1220347	12399.50	58.1	1549.12	159459	251.2418 ng/ml
Norfentanyl	4.044	364592	2019.67	37.3	1668.59	675745	26.2745 ng/ml
Norhydrocodone	3.027	96148	632.22	41.9	80.47	33784	261.2162 ng/ml
Noroxycodone	2.864	851989	728.65	48.2	986.76	114721	251.5078 ng/ml
O-desmethyl-tramadol	3.330	5651495	243688.73	5.9	13231.17	1177399	250.9786 ng/ml
Oxazepam	5.732	1827244	∞	72.8	11727.39	453628	247.7572 ng/ml
Oxycodone	2.796	2130496	4376.01	30.8	3000.71	363255	252.6595 ng/ml
Oxymorphone	1.370	872228	∞	46.6	1928.81	125331	255.5064 ng/ml
Phentermine	3.729	355398	3324.04	2.9	178.01	203290	258.3279 ng/ml
Promethazine	5.522	536770	1811.82	31.4	2174.19	96893	248.7673 ng/ml
Quetiapine	5.559	1159943	∞	59.5	∞	58438	254.8093 ng/ml
Sertraline	5.765	81195	295.97	91.4	991.32	12746	247.4015 ng/ml
Temazepam	5.799	3807958	3980.39	29.3	2599.64	750533	250.5255 ng/ml
Tramadol	4.204	4728557	121433.24	3.3	1672.06	934541	258.0131 ng/ml
Trazodone	5.250	1061404	365.02	78.1	6209.67	179494	262.0762 ng/ml
Venlafaxine	5.001	2716935	43207.75	36.4	10140.74	577877	249.2889 ng/ml
Zolpidem	5.007	5818484	∞	30.6	825.28	1134640	253.6682 ng/ml

Batch results D:\MassHunter\Data\2020\AM 27-28\090320 AM 27 28 SJ SP\QuantResults\AM 28.batch.bin **Calibration Last Update** 9/8/2020 8:11:12 AM

Instrument Type

Cal

Acq. Method **Sample Position**

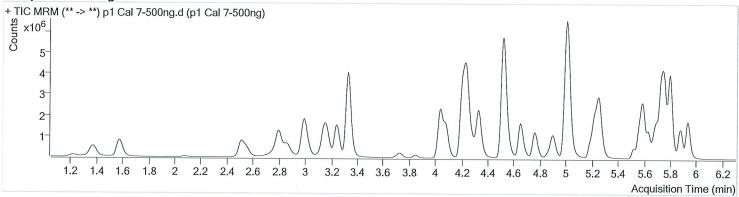
Injection Volume Acq. Date-Time

Sample Info.

Falco

MDQ P1 060520.m P5-G9

2 9/3/2020 6:34:47 PM **Data File** Sample Operator Comment p1 Cal 7-500ng.d p1 Cal 7-500ng Sarah Pickle



Name	RT	Resp.	S/N	Ratio	S/N	ISTD	Final Conc.
6-MAM	3.105	116726	4046.96	72.5	2376.82	Resp. 50208	50.2306 ng/ml
7-aminoclonazepam	4.243	1618010	932,71	83.0	16530.07	119805	506.8716 ng/ml
a-hydroxyalprazolam	5.674	912236	1395.82	62.1	1920.56	46048	498.5291 ng/ml
alpha-PHP	4.902	768513	10264.92	267.7	97251.47	342270	493.4992 ng/ml
alpha-PVP	4.336	3945343	6723.13	49.5	24671.17	342270	500.2267 ng/ml
Alprazolam	5.758	3063413	2974.35	104.3	5177.05	166021	503.3762 ng/ml
Amphetamine	2.997	2835373	34944.65	48.9	25082.12	71655	408.7083 ng/ml
Benzoylecgonine	3.845	251762	∞	7.8	∞	18865	486.3003 ng/ml
Buprenorphine	5.857	43661	1198.11	16.4	514.63	34323	50.1693 ng/ml
Bupropion	4.760	2144795	5523.77	60.8	5068.75	137429	505.3887 ng/ml
Carisoprodol	5.707	1718639	8799.74	53.3	7922.09	176887	485.6753 ng/ml
Citalopram	5.190	1315903	67970.17	42.6	1147.14	119663	495.5375 ng/ml
Clonazepam	5.588	3904636	67425.53	33.1	25265.73	93933	496.1932 ng/ml
Cocaine	4.229	4770763	171011.85	43.5	116366.57	656885	503.5880 ng/ml
Codeine	2.550	545837	1561.13	104.2	18990.54	46688	523.3289 ng/ml
Cyclobenzaprine	5.605	347046	766.76	10.2	655.89	29547	494.1400 ng/ml
Dextromethorphan	5.226	504244	10496.06	80.5	1746.12	48892	493.0823 ng/ml
Dextrorphan	4.084	1053607	2741.73	212.7	1666.91	268362	494.0061 ng/ml
Diazepam	5.936	2123341	20098.19	86.7	11909.98	202341	501.5463 ng/ml
Dihydrocodeine	2.508	1486397	33917.77	65.0	72263.47	173327	488.0178 ng/ml
Diphenhydramine	5.260	2156415	44696.68	32.6	19237.66	326782	497.2965 ng/ml
Doxylamine	4.521	8854981	108821.57	96.9	375563.45	720431	506.0006 ng/ml
EDDP	5.225	2497270	1522.42	43.2	991.38	267680	494.8970 ng/ml
Fentanyl	5.087	46969	2485.78	68.7	∞	44829	49.2486 ng/ml
Fluoxetine	5.690	224250	22427.26	8.9	287.92	18741	496.6023 ng/ml
Hydrocodone	2.993	1608954	1354.09	39.0	∞	232551	462.3064 ng/ml
Hydromorphone	1.581	1599972	∞	76.6	816.23	102715	502.0808 ng/ml
Ketamine	4.043	3657198	128622.73	40.5	20541.01	340684	486.5560 ng/ml
Lamotrigine	4.266	318121	7453.53	79.8	16231.75	340684	428.6695 ng/ml
Lorazepam	5.729	1804073	4849.78	56.6	5833.05	93933	307.3985 ng/ml
MDA	3.143	2691715	24649.43	18.9	3414.02	122305	485.0403 ng/ml
MDMA	3.244	2860987	∞	61.0	17605.76	53419	489.4899 ng/ml
Meprobamate	4.876	705941	32848.88	25.7	∞	92310	448.8956 ng/ml

TZ

AM #28 Multi-Drug Quant. Results

							TORENSIC SERVICES
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.636	1472893	1931.91	52.0	38002.63	140720	502.4266 ng/ml
Methamphetamine	3.171	1744253	13598.92	42.0	6246.10	199994	488.5254 ng/ml
Metoprolol	4.292	656037	495714.60	95.5	11368.68	845432	489.3550 ng/ml
Mirtazapine	4.649	3157861	335594.54	49.1	44911.17	140720	509.4414 ng/ml
Mitragynine	5.221	257128	17900.31	39.0	29961.55	140720	465.5511 ng/ml
Morphine	1.226	280613	1757,65	22.9	∞	6494	490.5587 ng/ml
Norbuprenorphine	4.957	5797	229.19	81.9	186.33	5322	50.5537 ng/ml
Nordiazepam	5.882	1969207	1247,74	58.3	2862,77	129793	498.4555 ng/ml
Norfentanyl	4.044	608562	1463.86	36.8	3803.68	606886	48.9249 ng/ml
Norhydrocodone	3.027	157281	945.74	43.0	108.68	27389	
Noroxycodone	2.864	1408154	4210.96	47.2	6212.15	95646	526.1285 ng/ml
O-desmethyl-tramadol	3.330	10138218	152631.78	5.8	1169.35	1037642	498.7235 ng/ml
Oxazepam	5.732	2437886	∞	72.5	10009.64	308789	511.2763 ng/ml
Oxycodone	2.796	3858652	9818.43	30.9	6339.40		485.7536 ng/ml
Oxymorphone	1.376	1477038	00	47.0	1327.24	339198 108784	490.3800 ng/ml
Phentermine	3.729	615725	1703.69	2.8	791.08		498.6742 ng/ml
Promethazine	5.522	788595	12475.59	31.3	1946.43	186379	488.5805 ng/ml
Quetiapine	5.559	2058001	94065.38	59.2		71388	496.0260 ng/ml
Sertraline	5.765	92852	681.29	93.0	00 41 FO1 F1	52903	499.4240 ng/ml
Temazepam	5.799	6352117	110626.29	29.7	41591.51	7682	468.0384 ng/ml
Tramadol	4 204	0332117	6407.20	29.7	1110.69	623880	502.4596 ng/ml

3.3

78.2

35.9

29.5

1246.06

2475.69

 ∞

845432

164978

470672

1014771

502.1452 ng/ml

516.1563 ng/ml

499.3247 ng/ml

502.2404 ng/ml

6497.20

5464.70

479083.80

 ∞

Tramadol

Trazodone

Venlafaxine

Zolpidem

4.204

5.250

5.001

5.007

8309523

1918340

4433233

10296523

Batch results
Calibration Last Update

D:\MassHunter\Data\2020\AM 27-28\090320 AM 27 28 SJ SP\QuantResults\AM 28.batch.bin 9/8/2020 8:11:12 AM

Instrument Type Acq. Method Falco Cal

MDQ P1 060520.m

P5-H9

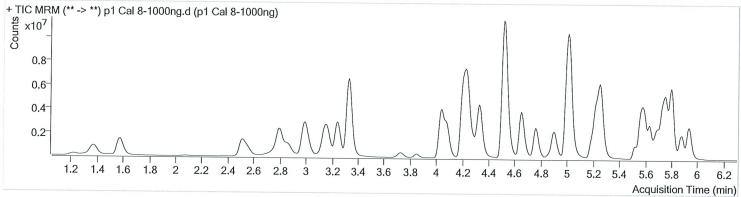
Sample Position Injection Volume Acq. Date-Time

9/3/2020 6:45:21 PM

Sample Info.

Data File Sample Operator Comment

p1 Cal 8-1000ng.d p1 Cal 8-1000ng Sarah Pickle



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.105	250505	3878.84	71.9	1765.30	56107	96.4984 ng/ml
7-aminoclonazepam	4.243	2055544	8314.07	80.9	6276.61	76289	1011.3493 ng/ml
a-hydroxyalprazolam	5.674	1431784	2998.52	61.3	547.68	38756	930.1181 ng/ml
alpha-PHP	4.902	1667447	12077.70	268.8	00	353026	1039.4135 ng/ml
alpha-PVP	4.336	8183888	212635.57	49.3	82974.14	353026	1005.8664 ng/ml
Alprazolam	5.758	4885704	∞	106.5	11511.49	132506	1005.1175 ng/ml
Amphetamine	2.996	4703846	72177.85	48.7	39112.07	79442	612.4115 ng/ml
Benzoylecgonine	3.845	578302	4364.66	7.7	00	19598	1075.0609 ng/ml
Buprenorphine	5.857	89518	3838.76	16.4	1189.61	32124	109.7973 ng/ml
Bupropion	4.760	4547045	258560.83	59.8	7864.22	148703	990.3072 ng/ml
Carisoprodol	5.707	2436720	∞	54.0	15160.10	128133	950.8348 ng/ml
Citalopram	5.190	2765100	1637.65	42.6	8297.84	124051	1004.5640 ng/ml
Clonazepam	5.588	5747897	163042.35	32.2	36298.96	71716	956.8589 ng/ml
Cocaine	4.229	8860421	140697.65	43.8	91954.12	612533	1002.8957 ng/ml
Codeine	2.550	1019247	789.66	102.2	37233.90	41127	1110.6554 ng/ml
Cyclobenzaprine	5.605	784393	59132.47	10.1	1247,63	33003	1000.2996 ng/ml
Dextromethorphan	5.226	951274	18242.20	79.8	1543.52	44936	1012.1207 ng/ml
Dextrorphan	4.084	2014080	1659.51	213.7	4081.40	249929	1013.7677 ng/ml
Diazepam	5.936	3619534	1158.36	85.8	œ	177835	972.8820 ng/ml
Dihydrocodeine	2.508	2790704	55213.26	64.9	34812.25	187393	847.9808 ng/ml
Diphenhydramine	5.260	4425745	351666.46	32.5	14928.09	330597	1008.5165 ng/ml
Doxylamine	4.514	18898659	282097.21	96.3	∞	783480	993.2897 ng/ml
EDDP	5.225	6151601	86498.84	42.0	2412.11	319590	1020.5500 ng/ml
Fentanyl	5.087	117609	24856.60	66.5	86507.87	53085	104.1727 ng/ml
Fluoxetine	5.690	460958	4347.82	9.0	∞	18845	1015.2498 ng/ml
Hydrocodone	2.993	3014034	∞	40.2	∞	244608	824.0023 ng/ml
Hydromorphone	1.581	3058887	∞	76.7	929.87	101313	973.3731 ng/ml
Ketamine	4.037	7314425	287474.49	39.1	117259.47	356381	930.7525 ng/ml
Lamotrigine	4.266	473065	4128.87	80.9	30217.70	356381	609.8042 ng/ml
Lorazepam	5.722	1892752	∞	55.9	8318.34	71716	422.9051 ng/ml
MDA	3.143	4423870	8773.41	18.1	12954.67	110460	883.1598 ng/ml
MDMA	3.244	5638583	362912.25	60.2	∞	53129	970.2076 ng/ml
Meprobamate	4.876	1014776	68500.06	26.1	6395.52	82590	721.7343 ng/ml

							TO STATE
Name	RT	Resp.	S/N	Ratio	S/N	ISTD	Final Conc.
Methadone	5.636	3483007	129230,17	51.4	111221,27	Resp.	1007 5605
Methamphetamine	3.171	3324478	31682,29	41.7	54774.08	162706	1027.5605 ng/ml
Metoprolol	4.292	1144945	180857.67	96.0	7165.19	204279	913.7032 ng/ml
Mirtazapine	4.650	7575063	250656,00	48.4	51873.80	849762	850.6732 ng/ml
Mitragynine	5.221	461789	41703.15	38.3	4669.84	162706	1055.5527 ng/ml
Morphine	1.220	525766	00 00	23.1		162706	723.3078 ng/ml
Norbuprenorphine	4.957	11198	319.66	88.3	911.49	6139	972.7894 ng/ml
Nordiazepam	5.882	3144703	19390.28		285.16	5385	97.0749 ng/ml
Norfentanyl	4.044	998576	19390.28 ©	58.0	2288.96	106074	974.3613 ng/ml
Norhydrocodone	3.021	306628	125.03	37.7	24033.73	600624	81.1875 ng/ml
Noroxycodone	2.864	2319081		42.3	705.18	24824	1130.6391 ng/ml
O-desmethyl-tramadol	3.330	18717008	∞ 5771.02	47.2	3021.26	78019	1007.0492 ng/ml
Oxazepam	5.732		5771.02	5.8	1490.09	964806	1015.5552 ng/ml
Oxycodone	2.789	2713853	10656.66	71.3	6469.25	181659	919.3082 ng/ml
Oxymorphone	1.370	7820809	12169.57	30.9	5845.54	360553	935.3569 ng/ml
Phentermine		2658302	874.18	46.9	co	99893	977.5513 ng/ml
Promethazine	3.729	1184324	00	2.7	1388.96	198025	884.8800 ng/ml
Quetiapine	5.522	1902172	176778.87	30.6	31202.26	84951	1005.4274 ng/ml
Sertraline	5.559	5130517	00	58.9	00	68111	967.0768 ng/ml
	5.765	167876	22873.15	91.0	730.07	6221	1043.1676 ng/ml
Temazepam Tramadal	5.799	10546040	275091.30	29.3	27697.59	507376	1025.4599 ng/ml
Tramadol	4.205	15500560	4963.47	3.2	2263.31	849762	932.7874 ng/ml
Trazodone	5.256	4794136	∞	77.5	547.97	221390	961.9690 ng/ml
Venlafaxine	5.001	7838391	229531.13	35.8	46130.25	414438	1002.5586 ng/ml
Zolpidem	5.014	18746218	325024.76	29.8	462102.57	1014382	915.0145 ng/ml