

REVIEWED

By Anne Nord at 12:42 pm, Jul 16, 2020

TS

7/10/2020

Worklist: 4356

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2020-2000	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2020-2163	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2020-2166	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2020-2178	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2020-2271	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2020-2272	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2020-2366	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2020-2414	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-1891	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-1894	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-1895	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-1899	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-1900	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-1901	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-1902	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-1925	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-1927	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-1929	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-1933	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-1951	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-1952	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

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

15

Extraction Date: 07/14/2020
Plate lot#: Item #:IDP-111-2 Lot:200513

Analyst: Tamara Salazar
Plate Expiration: 11/13/2020

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

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

Blank Blood Lot: 445283-4

Column: Agilent 120 EC-C18 (2.1x 100-2.7um)

LCMS-QQQ ID: 069901

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.
- 2. Pipette **250µL blood (calibrated pipette) Pipette ID: 42** in wells of analytical (standards) plate.
- 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** 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)
- 8. Wait 5 minutes.
- 9. Add **900uL ethyl acetate**.
- 10. Wait 5 minutes.
- 11. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.
- 12. Add **900uL ethyl acetate**.
- 13. Wait 5 minutes.
- 14. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left)*.
- 15. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C.
- 16. Reconstitute in **100µL 20% MeOH** and heat seal plate with foil. Place in autosampler and run worklist.

Post-Analytic

- 1. Create batch and process data.
- 2. Make necessary changes to integration limits
- 3. Integration linear and R² values ≥0.98 for each analyte.
- 4. For unknown samples and controls: response ratio within 20% of average of controls and standards, RT within +/- 5% (tramadol RT +/-2%), S/N for primary transition >10 and secondary transitions >5.
- 5. Did all QCs pass for each analyte? Y / N _____ Add Control data to QC tracking spreadsheet.
- 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports.

COMMENTS: *Curves limited: Amphetamine 5-250, Clonazepam 5-500, Dihydrocodeine 5-500, Lamotrigine 5-250, Lorazepam 5-100, MDA 5-500, Meprobamate 5-250, Metoprolol 5-500, Phentermine 5-500*

TS

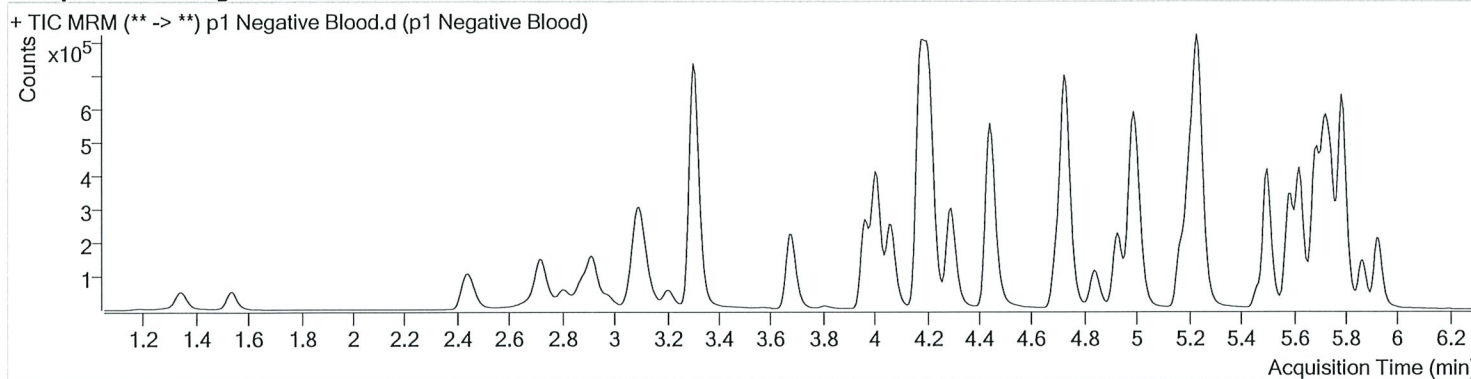


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
Calibration Last Update 7/16/2020 9:19:19 AM

Instrument	Falco	Data File	p1 Negative Blood.d
Type	Sample	Sample	p1 Negative Blood
Acq. Method	MDQ P1 060520.m	Operator	Tamara Salazar
Sample Position	P1-C11	Comment	
Injection Volume	2		
Acq. Date-Time	7/14/2020 9:30:43 PM		
Sample Info.			

Sample Chromatogram



TS

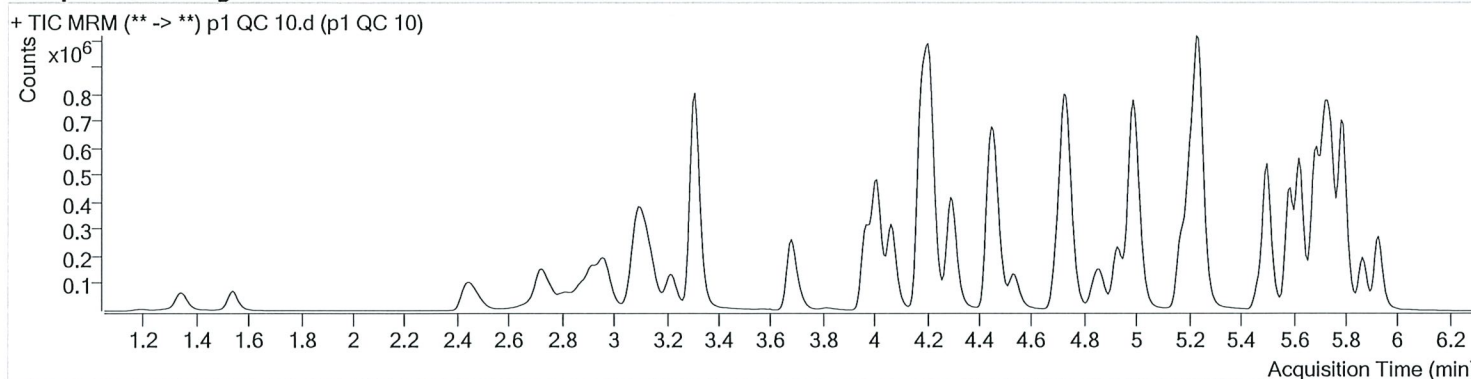


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
 Calibration Last Update 7/16/2020 9:19:19 AM

Instrument	Falco	Data File	p1 QC 10.d
Type	QC	Sample	p1 QC 10
Acq. Method	MDQ P1 060520.m	Operator	Tamara Salazar
Sample Position	P1-H11	Comment	
Injection Volume	2		
Acq. Date-Time	7/14/2020 7:55:19 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.072	3591	495.80	66.8	556.89	72876	1.0290 ng/ml
7-aminoclonazepam	4.210	78035	393.15	78.7	1631.11	271758	10.6293 ng/ml
a-hydroxyalprazolam	5.668	35270	820.79	60.7	1641.49	80592	10.7591 ng/ml
alpha-PVP	4.302	182434	5366.85	51.7	536.87	782772	10.2495 ng/ml
Alprazolam	5.751	119223	425.72	106.6	1977.79	338033	9.8426 ng/ml
Amphetamine	2.970	288597	1296.33	52.4	849.88	291796	10.3483 ng/ml
Benzoylcegonine	3.838	4550	82.78	7.4	29.69	16215	9.9069 ng/ml
Buprenorphine	5.620	5203	153.67	16.7	52.80	210003	1.0770 ng/ml
Bupropion	4.719	183501	16920.11	60.5	1104.56	601321	10.1631 ng/ml
Carisoprodol	5.700	121089	976.10	55.5	∞	557848	10.1434 ng/ml
Citalopram	5.176	117369	656.65	41.8	1580.93	519531	10.0916 ng/ml
Clonazepam	5.581	144582	4113.26	34.4	5257.18	170060	10.0545 ng/ml
Cocaine	4.209	179132	12300.95	45.9	537.84	1311747	10.2860 ng/ml
Codeine	2.496	19060	2112.33	104.6	392.28	87641	9.9692 ng/ml
Cyclobenzaprine	5.592	94503	43765.08	9.8	207.60	351436	10.1824 ng/ml
Dextromethorphan	5.212	64560	438.63	79.1	798.59	291819	10.1468 ng/ml
Dextrorphan	4.063	48193	1018.60	211.8	4094.41	603729	10.1808 ng/ml
Diazepam	5.929	91555	309.39	87.1	388.02	434777	9.8720 ng/ml
Dihydrocodeine	2.475	49371	956.92	62.9	1506.38	258652	10.2227 ng/ml
Diphenhydramine	5.240	275063	13343.60	33.1	4115.90	1856204	10.4546 ng/ml
Doxylamine	4.460	373374	7507.36	98.9	6709.54	1509222	10.0428 ng/ml
EDDP	5.211	137973	2566.41	41.8	1021.02	735068	9.8369 ng/ml
Fentanyl	5.020	9110	819.28	70.1	713.30	411468	0.9653 ng/ml
Fluoxetine	5.683	123990	2534.96	8.4	280.44	469461	10.6358 ng/ml
Hydrocodone	2.945	61423	524.19	39.3	144.55	365263	10.4473 ng/ml
Hydromorphone	1.547	41769	685.20	78.2	781.72	138162	9.4567 ng/ml
Ketamine	3.983	150048	2206.44	39.1	927.26	661683	10.0446 ng/ml
Lamotrigine	4.212	13911	∞	82.1	1816.20	661683	10.7788 ng/ml
Lorazepam	5.722	124523	∞	57.5	1068.94	170060	10.4659 ng/ml
MDA	3.123	213205	2707.64	20.4	522.97	445755	10.6472 ng/ml
MDMA	3.224	139211	2878.01	67.6	2844.35	133223	10.1969 ng/ml
Meprobamate	4.869	56453	423.64	25.4	755.97	270870	10.3398 ng/ml
Methadone	5.629	176874	3600.40	54.4	4364.47	825260	10.0555 ng/ml

15



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methamphetamine	3.151	193070	177.87	41.4	223.73	712572	11.3520 ng/ml
Metoprolol	4.278	32111	8091.38	95.4	2106.41	1703104	10.2258 ng/ml
Mirtazapine	4.536	205367	4337.25	49.2	2296.73	782772	9.8443 ng/ml
Mitragynine	5.154	39804	2085.23	38.3	66166.12	825260	10.0482 ng/ml
Morphine	1.200	6798	334.70	21.8	697.67	7020	10.1705 ng/ml
Norbuprenorphine	4.937	752	∞	74.2	104.44	26140	1.2084 ng/ml
Nordiazepam	5.876	88915	2316.71	58.1	782.72	276556	10.5783 ng/ml
Norfentanyl	4.030	24761	1180.58	36.6	125.86	1118396	0.9945 ng/ml
Norhydrocodone	3.001	6178	135.12	50.0	114.96	64006	9.2850 ng/ml
Noroxycodone	2.838	51445	1324.70	49.5	2425.76	170248	10.3138 ng/ml
O-desmethyl-tramadol	3.317	340599	1515.02	5.8	2033.59	1793780	9.9426 ng/ml
Oxazepam	5.732	148444	3655.99	72.5	∞	884591	10.3097 ng/ml
Oxycodone	2.755	127236	1668.45	31.1	868.90	530194	10.1560 ng/ml
Oxymorphone	1.350	47804	2148.10	47.6	311.01	172332	9.7641 ng/ml
Phentermine	3.716	57198	770.37	3.4	117.69	715957	10.4132 ng/ml
Promethazine	5.502	204340	11586.06	30.5	382.04	868825	10.2700 ng/ml
Quetiapine	5.478	126353	4038.94	59.0	18737.04	158889	10.6683 ng/ml
Sertraline	5.751	71537	415.07	88.5	11581.38	266609	10.6977 ng/ml
Temazepam	5.793	254535	1210.31	29.6	590.01	1181890	10.0432 ng/ml
Tramadol	4.190	336772	4606.24	3.4	170.14	1703104	10.1962 ng/ml
Trazodone	4.965	140918	3621.48	78.8	15469.84	587139	10.5514 ng/ml
Venlafaxine	4.987	271435	5239.77	36.3	333.43	1339117	10.7457 ng/ml
Zolpidem	4.749	333027	13646.28	30.9	1920.35	1546775	10.1746 ng/ml

TS

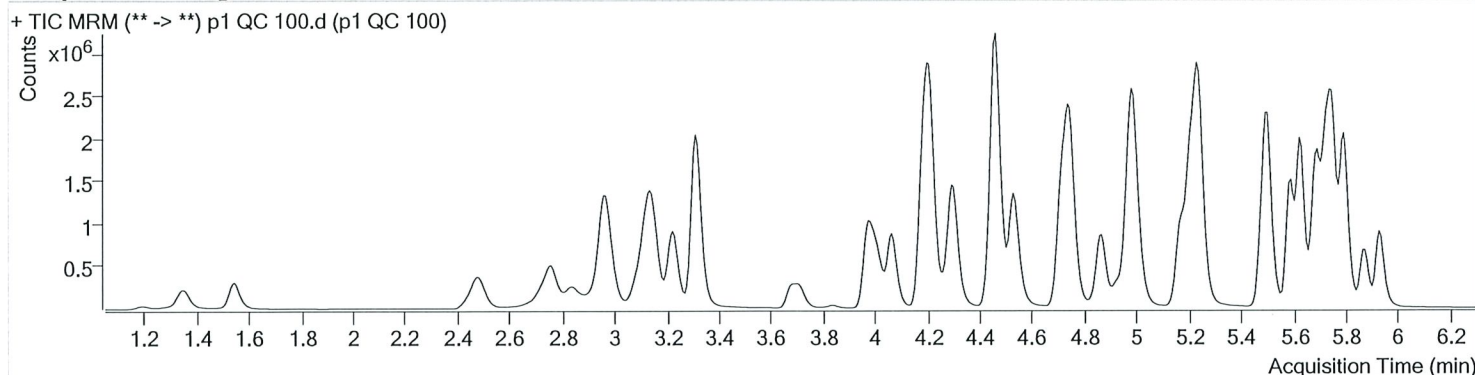


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
 Calibration Last Update 7/16/2020 9:19:19 AM

Instrument	Falco	Data File	p1 QC 100.d
Type	QC	Sample	p1 QC 100
Acq. Method	MDQ P1 060520.m	Operator	Tamara Salazar
Sample Position	P1-G11	Comment	
Injection Volume	2		
Acq. Date-Time	7/14/2020 8:16:31 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.079	35898	1275.65	70.4	667.56	73810	10.5896 ng/ml
7-aminoclonazepam	4.210	647354	10737.17	81.0	17173.44	228720	111.2175 ng/ml
a-hydroxyalprazolam	5.668	312464	1186.62	62.6	1105.90	76168	105.7725 ng/ml
alpha-PVP	4.302	1854737	3648.34	50.8	5146.44	747924	102.7622 ng/ml
Alprazolam	5.751	1092625	1926.23	106.3	4272.31	292075	107.0046 ng/ml
Amphetamine	2.970	2523703	48016.35	51.8	84209.13	288195	102.9951 ng/ml
Benzoylcegonine	3.838	52220	1807.59	8.1	1686.13	17691	103.2082 ng/ml
Buprenorphine	5.620	56247	965.18	16.6	474.70	229015	10.7350 ng/ml
Bupropion	4.712	1806847	2796.71	59.7	∞	580008	108.9999 ng/ml
Carisoprodol	5.700	1026309	2087.35	54.4	888.50	457317	106.2625 ng/ml
Citalopram	5.169	1258579	4633.67	41.9	1314.21	542663	100.3685 ng/ml
Clonazepam	5.581	1219384	61370.42	33.6	22366.64	145345	106.4368 ng/ml
Cocaine	4.209	1739708	88759.00	45.1	53691.44	1210796	103.7839 ng/ml
Codeine	2.496	191275	1326.41	102.1	1995.91	85115	107.1616 ng/ml
Cyclobenzaprine	5.592	1090779	504182.67	9.7	175.56	396156	102.7116 ng/ml
Dextromethorphan	5.212	710791	3370.86	77.9	1507.73	310902	105.5394 ng/ml
Dextrorphan	4.063	496652	1867.09	212.6	2176.10	601314	102.3279 ng/ml
Diazepam	5.929	872208	4636.72	88.1	2025.12	398259	106.4782 ng/ml
Dihydrocodeine	2.475	503995	6045.85	64.2	3422.65	265510	107.6817 ng/ml
Diphenhydramine	5.240	3000736	2153.99	33.2	5819.62	1943184	101.4001 ng/ml
Doxylamine	4.460	4045925	239226.97	97.6	186125.17	1563446	108.3737 ng/ml
EDDP	5.211	1520402	2130.28	42.5	9527.17	795855	99.7573 ng/ml
Fentanyl	5.020	113668	1428.42	66.3	119794.21	475027	9.8247 ng/ml
Fluoxetine	5.683	1411422	1124.27	8.9	187932.86	532611	103.0833 ng/ml
Hydrocodone	2.945	602606	∞	38.4	729.53	374640	108.9885 ng/ml
Hydromorphone	1.547	443310	∞	77.6	∞	137746	103.2054 ng/ml
Ketamine	3.976	1522763	5809.63	38.7	7078.07	657571	107.6067 ng/ml
Lamotrigine	4.212	122733	6312.81	81.1	24261.06	657571	111.2825 ng/ml
Lorazepam	5.722	812666	1873.20	55.8	2405.59	145345	89.4665 ng/ml
MDA	3.123	1833268	10799.60	20.1	7642.76	395085	111.6316 ng/ml
MDMA	3.224	1429619	245388.88	67.2	23981.47	130097	109.2293 ng/ml
Meprobamate	4.869	469695	577.30	26.1	∞	240867	103.3627 ng/ml
Methadone	5.629	2041795	12720.57	52.2	∞	897600	101.4469 ng/ml

TS



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methamphetamine	3.151	1636538	5485.02	42.1	1354.43	699578	118.1326 ng/ml
Metoprolol	4.271	321159	4271.48	96.0	8233.80	1659788	108.6670 ng/ml
Mirtazapine	4.529	2244064	∞	49.3	7817.15	747924	112.6816 ng/ml
Mitragynine	5.147	455685	1887139.57	38.3	27518.83	897600	104.4954 ng/ml
Morphine	1.200	73558	2828.72	22.2	667.59	7368	107.3825 ng/ml
Norbuprenorphine	4.937	7240	25423.67	87.8	844.87	30331	10.7986 ng/ml
Nordiazepam	5.876	832547	66681.01	57.3	1992.94	252874	111.1880 ng/ml
Norfentanyl	4.030	270638	18401.32	38.1	1100.75	1183475	10.0733 ng/ml
Norhydrocodone	3.001	62585	76.80	42.4	314.69	55973	98.4481 ng/ml
Noroxycodone	2.838	482644	1045.09	49.9	733.19	158494	105.9176 ng/ml
O-desmethyl-tramadol	3.310	3575367	152912.71	5.9	1931.18	1783798	104.2149 ng/ml
Oxazepam	5.726	1132455	∞	68.6	4269.15	670305	110.3182 ng/ml
Oxycodone	2.755	1304875	30611.84	31.2	1908.91	532034	108.0010 ng/ml
Oxymorphone	1.350	464624	∞	47.7	∞	155892	108.2928 ng/ml
Phentermine	3.716	547257	2267.11	3.1	582.06	694077	110.8120 ng/ml
Promethazine	5.502	2536264	14974.14	29.4	4477.04	1015224	101.4232 ng/ml
Quetiapine	5.478	1382807	396815.02	61.1	∞	175223	109.0574 ng/ml
Sertraline	5.751	702926	9130.31	91.7	31007.88	265060	105.3631 ng/ml
Temazepam	5.792	2468922	3841.98	29.5	2886.25	1132363	99.5818 ng/ml
Tramadol	4.190	3373492	6522.12	3.3	1322.44	1659788	110.0805 ng/ml
Trazodone	4.965	1547266	10339.84	79.0	8133.76	678408	110.3344 ng/ml
Venlafaxine	4.987	2805509	∞	35.8	3714.71	1310577	107.4219 ng/ml
Zolpidem	4.742	3467421	59163.66	30.6	46496.29	1558328	106.7004 ng/ml

AM #28 Multi-Drug Quant. Results

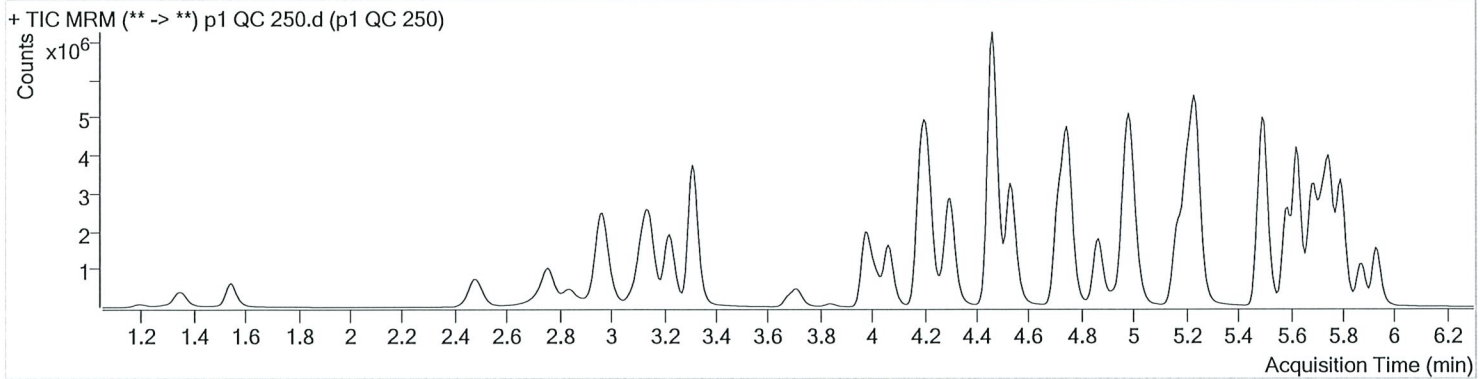
TS



Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
 Calibration Last Update 7/16/2020 9:19:19 AM

Instrument Falco Data File p1 QC 250.d
 Type QC Sample p1 QC 250
 Acq. Method MDQ P1 060520.m Operator Tamara Salazar
 Sample Position P1-F11 Comment
 Injection Volume 2
 Acq. Date-Time 7/14/2020 8:37:44 PM
 Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.072	84752	3621.24	69.9	1764.07	72204	25.6259 ng/ml
7-aminoclonazepam	4.216	1079825	17616.70	81.9	10625.11	169731	250.9009 ng/ml
a-hydroxyalprazolam	5.668	561184	914.44	63.7	1248.30	59895	242.3360 ng/ml
alpha-PVP	4.302	4283777	19336.21	50.2	3940.84	712040	248.3737 ng/ml
Alprazolam	5.751	2115669	3630.67	104.8	∞	230610	262.8134 ng/ml
Amphetamine	2.970	4947047	24638.70	51.7	38368.95	282251	207.5963 ng/ml
Benzoylcegonine	3.838	134864	767.93	8.0	852.09	18639	252.8422 ng/ml
Buprenorphine	5.620	129698	1924.60	15.5	868.45	220368	25.7343 ng/ml
Bupropion	4.712	4093586	504306.57	59.4	1756.69	560693	256.2232 ng/ml
Carisoprodol	5.700	1749494	1713.76	54.3	725.15	321052	258.2347 ng/ml
Citalopram	5.169	2967634	23446.27	41.6	2931.77	519742	246.5883 ng/ml
Clonazepam	5.581	2037396	75360.47	33.3	13832.15	113518	228.6278 ng/ml
Cocaine	4.209	3734633	167264.99	44.9	148643.48	1071682	251.0485 ng/ml
Codeine	2.496	396452	3067.12	102.4	1635.51	76731	246.9584 ng/ml
Cyclobenzaprine	5.592	2736319	1053.00	9.6	∞	397056	256.8258 ng/ml
Dextromethorphan	5.212	1595550	54403.17	78.8	2207.29	291340	252.9194 ng/ml
Dextrorphan	4.063	1132790	4120.31	211.4	76060.37	569438	246.0056 ng/ml
Diazepam	5.929	1770445	36680.06	88.5	11451.70	344795	250.1924 ng/ml
Dihydrocodeine	2.475	1105219	1912.01	65.0	12645.00	262133	240.0002 ng/ml
Diphenhydramine	5.240	7310518	479803.43	32.1	2564.80	1896825	251.8745 ng/ml
Doxylamine	4.460	9732461	428568.94	96.8	236468.67	1528565	267.1547 ng/ml
EDDP	5.205	3772695	1922.10	41.8	1947.56	796777	247.1913 ng/ml
Fentanyl	5.020	295676	3214.46	67.5	2443.08	491329	24.6144 ng/ml
Fluoxetine	5.683	3473785	2768.18	8.5	860.09	534476	252.2385 ng/ml
Hydrocodone	2.945	1271484	939.91	39.0	∞	362224	239.0957 ng/ml
Hydromorphone	1.547	1001503	845.44	78.9	∞	133148	241.5597 ng/ml
Ketamine	3.976	3439293	14085.35	38.8	1808.18	631251	253.9115 ng/ml
Lamotrigine	4.219	217072	19146.75	81.4	1942.56	631251	206.6943 ng/ml
Lorazepam	5.722	1075355	∞	57.2	2601.68	113518	152.5773 ng/ml
MDA	3.123	3368333	14722.53	19.8	11862.31	337694	241.0641 ng/ml
MDMA	3.224	3206808	399748.18	67.1	28596.98	123665	258.0429 ng/ml
Meprobamate	4.869	800485	46419.91	25.8	723.15	201519	211.3747 ng/ml
Methadone	5.622	5221710	7926.47	50.0	3963.99	909399	255.2388 ng/ml

p1 QC 250

Generated at 9:27 AM on 7/16/2020

*outside curve range. 7/16/20 TS

TS



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methamphetamine	3.151	3625990	5029.08	41.8	1819.36	701973	264.0316 ng/ml
Metoprolol	4.271	683683	946093.07	97.9	18339.62	1571441	244.8380 ng/ml
Mirtazapine	4.529	5617324	139989.30	47.9	29131.03	712040	296.2942 ng/ml
Mitragynine	5.147	1126192	40926.55	38.7	63687.17	909399	254.7105 ng/ml
Morphine	1.200	169613	2318.36	22.5	490.10	7316	249.7114 ng/ml
Norbuprenorphine	4.937	17468	1054.25	84.8	306.37	30283	26.2461 ng/ml
Nordiazepam	5.876	1599139	∞	57.4	8498.59	201392	268.5993 ng/ml
Norfentanyl	4.030	683644	41172.94	37.8	4297.44	1225450	24.5433 ng/ml
Norhydrocodone	3.001	141641	972.16	41.8	249.24	51027	243.1195 ng/ml
Noroxycodone	2.838	1001751	2149.96	49.4	5931.48	133614	261.0904 ng/ml
O-desmethyl-tramadol	3.310	8273180	850992.66	5.8	9369.35	1655007	259.7972 ng/ml
Oxazepam	5.726	1617212	45282.24	71.2	∞	422357	250.9380 ng/ml
Oxycodone	2.755	2983436	6510.19	30.8	3936.74	517376	254.5431 ng/ml
Oxymorphone	1.350	974980	1610.34	47.2	1654.86	139840	253.7953 ng/ml
Phentermine	3.716	1197102	∞	3.0	1554.37	683845	247.1290 ng/ml
Promethazine	5.502	6333300	174874.13	29.3	24588.24	1045568	244.7787 ng/ml
Quetiapine	5.478	3309983	1065.39	59.1	70817.04	180384	254.0521 ng/ml
Sertraline	5.751	1496240	∞	91.5	4674.97	235587	252.2743 ng/ml
Temazepam	5.793	4938725	17054.48	28.5	∞	910702	247.3418 ng/ml
Tramadol	4.184	7400556	299147.48	3.3	1680.02	1571441	255.8134 ng/ml
Trazodone	4.965	3734785	20805.88	78.2	267421.81	742008	244.9263 ng/ml
Venlafaxine	4.987	6372404	8858.43	34.9	3553.35	1221224	260.9377 ng/ml
Zolpidem	4.749	7954664	16507.44	29.7	514019.49	1485633	256.9943 ng/ml

TS

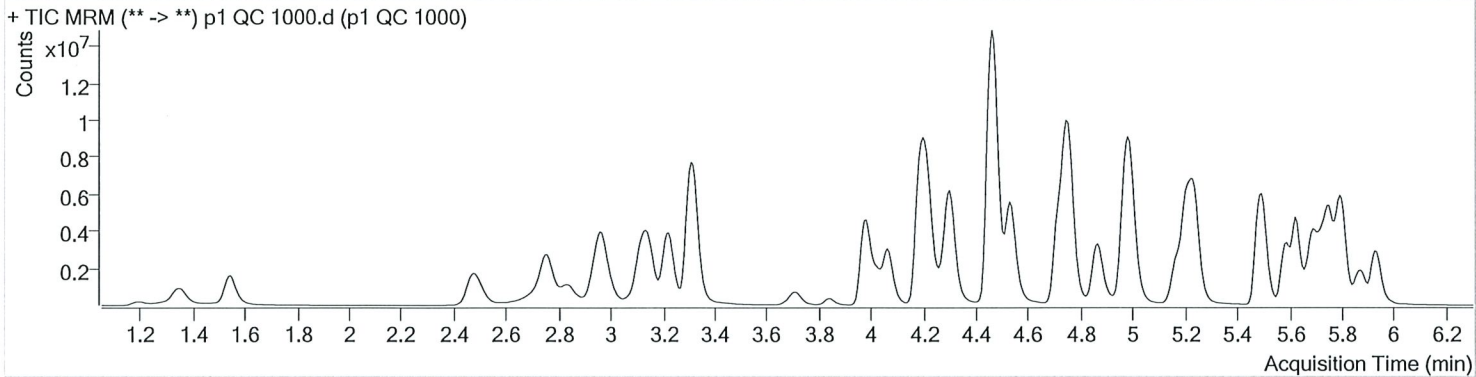


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
 Calibration Last Update 7/16/2020 9:19:19 AM

Instrument	Falco	Data File	p1 QC 1000.d
Type	QC	Sample	p1 QC 1000
Acq. Method	MDQ P1 060520.m	Operator	Tamara Salazar
Sample Position	P1-E11	Comment	
Injection Volume	2		
Acq. Date-Time	7/14/2020 8:58:55 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.072	300240	11804.90	70.2	1118.78	63084	104.0551 ng/ml
7-aminoclonazepam	4.223	1547663	16140.19	81.1	14824.41	70328	869.6729 ng/ml
a-hydroxyalprazolam	5.668	1307433	∞	61.7	1888.81	38126	888.5228 ng/ml
alpha-PVP	4.302	10467405	424728.86	49.8	34986.67	423435	1018.5227 ng/ml
Alprazolam	5.751	5161623	1898.25	105.7	2498.06	142043	1041.7876 ng/ml
Amphetamine	2.970	7436300	103106.49	50.4	202301.45	156935	563.7022 ng/ml
Benzoylcegonine	3.838	650510	1083.52	8.0	4173.24	18013	1261.5202 ng/ml
Buprenorphine	5.620	139001	5417.88	16.0	1391.55	61733	98.4704 ng/ml
Bupropion	4.712	7137546	13635.98	59.5	12291.47	274426	914.2349 ng/ml
Carisoprodol	5.700	3693939	477115.67	54.3	39307.60	180226	971.7011 ng/ml
Citalopram	5.169	3786392	2920.57	41.3	1792.14	163177	1001.0413 ng/ml
Clonazepam	5.581	4731115	112290.75	32.7	39667.23	73064	826.9791 ng/ml
Cocaine	4.209	8973846	169699.18	44.3	234589.81	628842	1026.6034 ng/ml
Codeine	2.503	958459	∞	103.8	529.12	53517	857.1204 ng/ml
Cyclobenzaprine	5.592	2574213	1811.96	9.5	8428.84	93802	1022.2200 ng/ml
Dextromethorphan	5.212	1523591	1650.67	78.9	1738.15	68402	1028.8772 ng/ml
Dextrorphan	4.063	2365118	51933.07	214.6	502516.95	296705	984.7899 ng/ml
Diazepam	5.936	4137800	4928.92	87.4	∞	203250	993.1578 ng/ml
Dihydrocodeine	2.468	3001662	∞	64.7	∞	233972	731.6454 ng/ml
Diphenhydramine	5.240	8987986	2751.75	32.4	27743.67	583108	1004.9393 ng/ml
Doxylamine	4.464	23013185	479002.44	99.5	997087.20	1109636	870.9950 ng/ml
EDDP	5.205	8486109	3049.71	40.9	2911.78	436505	1014.8120 ng/ml
Fentanyl	5.020	259051	630.99	67.8	1114.22	95861	110.3150 ng/ml
Fluoxetine	5.683	2426559	1403.42	8.6	5429.59	94988	990.2424 ng/ml
Hydrocodone	2.939	3756588	2481.56	38.7	1926.73	290885	882.4847 ng/ml
Hydromorphone	1.547	3025079	∞	74.6	1291.76	100278	969.6028 ng/ml
Ketamine	3.983	9722347	189172.47	37.5	∞	474356	956.6811 ng/ml
Lamotrigine	4.226	343965	4430.96	81.0	∞	474356	438.0431 ng/ml
Lorazepam	5.722	1352655	∞	56.1	5937.11	73064	299.5586 ng/ml
MDA	3.116	6033074	139145.33	19.3	30813.47	169686	861.7348 ng/ml
MDMA	3.224	7218941	559608.21	66.3	205070.30	70793	1015.3463 ng/ml
Meprobamate	4.869	1580309	70583.75	25.6	11727.05	141398	596.1589 ng/ml
Methadone	5.622	5952624	3473.95	50.9	2908.91	260246	1015.1079 ng/ml

p1 QC 1000

Generated at 9:27 AM on 7/16/2020

*Outside curve range- 7/16/20 TS

TS



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methamphetamine	3.151	5923554	2235.04	41.2	6282.28	336897	905.0769 ng/ml
7/16/20 TS * Metoprolol	4.271	1425949	130742.88	96.8	21785.71	1095080	733.5924 ng/ml
Mirtazapine	4.529	9381472	430730.85	48.1	∞	423435	832.1310 ng/ml
Mitragynine	5.147	1186175	91534.17	38.6	∞	260246	937.1038 ng/ml
Morphine	1.193	518477	22560.99	23.3	3626.96	5557	1005.8665 ng/ml
Norbuprenorphine	4.937	18965	2221.73	81.9	285.47	8526	101.5146 ng/ml
Nordiazepam	5.877	3162137	9131.06	58.2	766.57	108027	990.9979 ng/ml
Norfentanyl	4.030	2175433	62530.29	37.0	17685.05	872067	109.6737 ng/ml
Norhydrocodone	3.001	535976	203.15	41.3	161.60	37800	1238.3511 ng/ml
Noroxycodone	2.831	2479650	∞	47.4	1486.94	84212	1026.0585 ng/ml
O-desmethyl-tramadol	3.310	22570028	372876.29	6.0	13747.24	1161045	1010.0631 ng/ml
Oxazepam	5.726	1846662	10511.03	65.2	∞	137407	882.5685 ng/ml
Oxycodone	2.749	9373871	7206.96	30.4	∞	437438	947.1571 ng/ml
Oxymorphone	1.350	2802118	442.78	47.1	877.25	106952	954.6690 ng/ml
7/16/20 TS * Phentermine	3.716	2136475	16126.29	3.0	2728.62	380255	795.1860 ng/ml
Promethazine	5.502	6024761	5184.89	29.2	8129.59	248364	977.8806 ng/ml
Quetiapine	5.478	6599152	896.70	60.7	∞	89145	1026.0001 ng/ml
Sertraline	5.751	847270	14292.72	89.3	1613.35	33203	1013.4861 ng/ml
Temazepam	5.799	11258946	5913.55	28.2	18329.79	503798	1018.5778 ng/ml
Tramadol	4.184	17544845	1910.57	3.3	991.48	1095080	871.6499 ng/ml
Trazodone	4.958	5429775	990373.89	78.5	13961.37	311938	849.9284 ng/ml
Venlafaxine	4.987	15488266	2547.45	34.7	2583.14	719968	1073.7875 ng/ml
Zolpidem	4.749	21648938	1228049.03	31.0	∞	1163543	893.4433 ng/ml

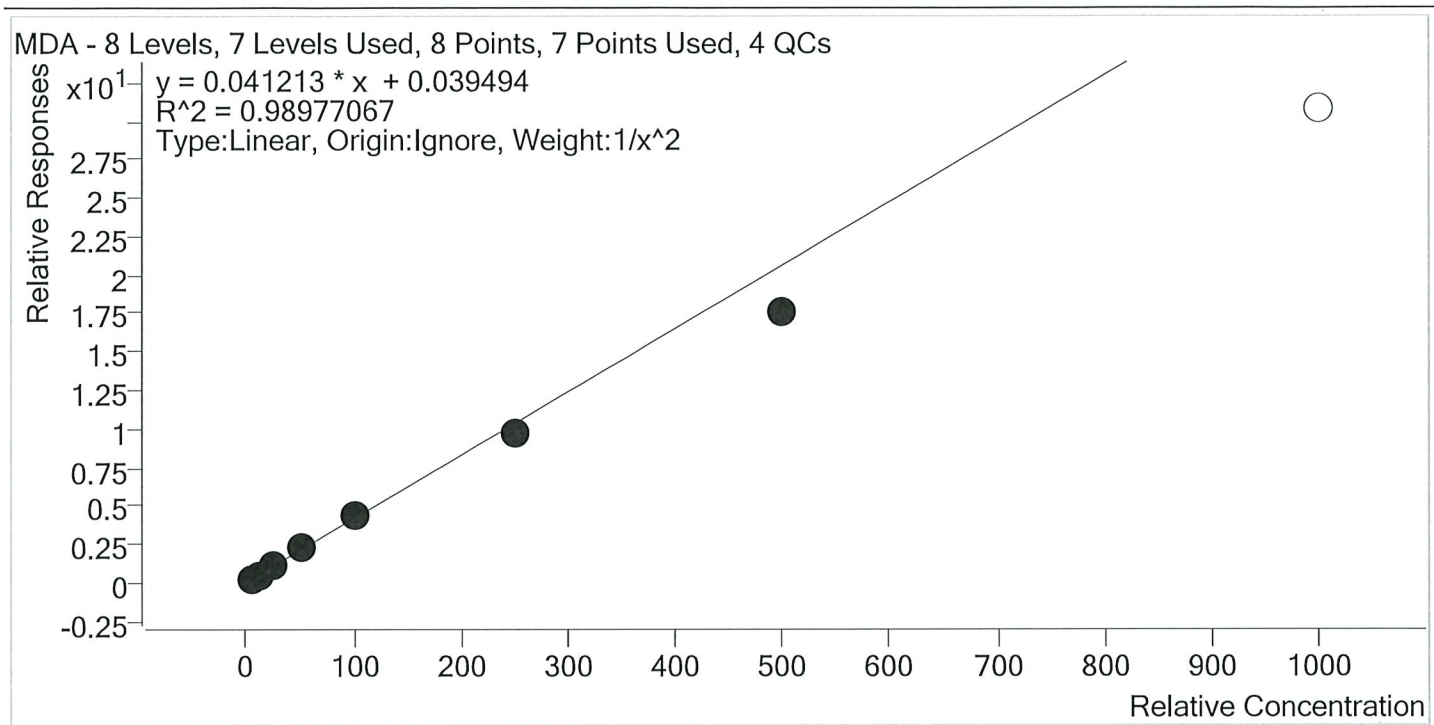
*Outside curve range. 7/16/20 TS

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2020 9:19 AM
Analyst Name ISP\datastor
Analyte MDA **Internal Standard** MDA-D5



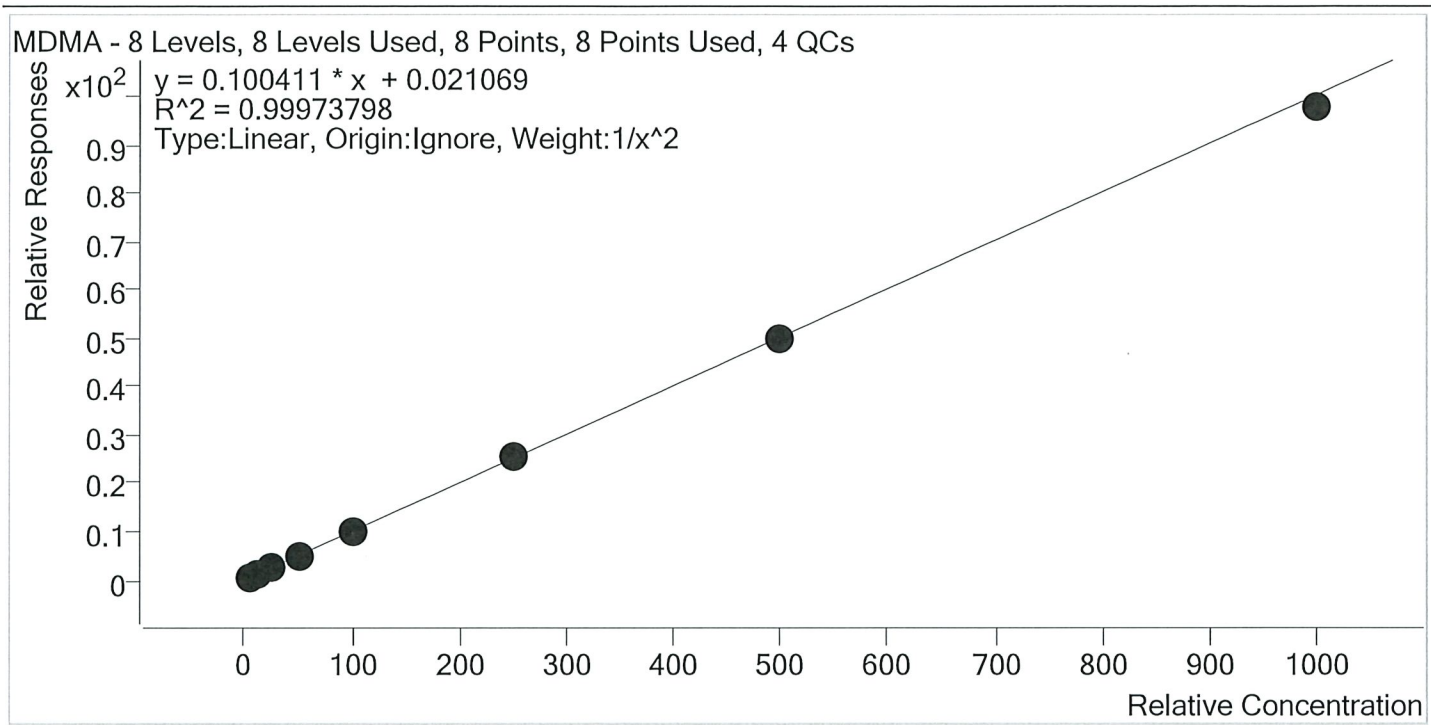
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.5
p1 Cal 2- 10ng	2	✓	10.0	10.5	104.7
p1 Cal 3 -25ng	3	✓	25.0	26.5	105.9
p1 Cal 4-50ng	4	✓	50.0	54.8	109.5
p1 Cal 5-100ng	5	✓	100.0	104.6	104.6
p1 Cal 6-250ng	6	✓	250.0	237.1	94.8
p1 Cal 7-500ng	7	✓	500.0	424.5	84.9
p1 Cal 8-1000ng	8	×	1000.0	746.7	74.7

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
 Last Cal. Update 7/16/2020 9:19 AM
 Analyst Name ISP\datastor
 Analyte MDMA Internal Standard MDMA-D6



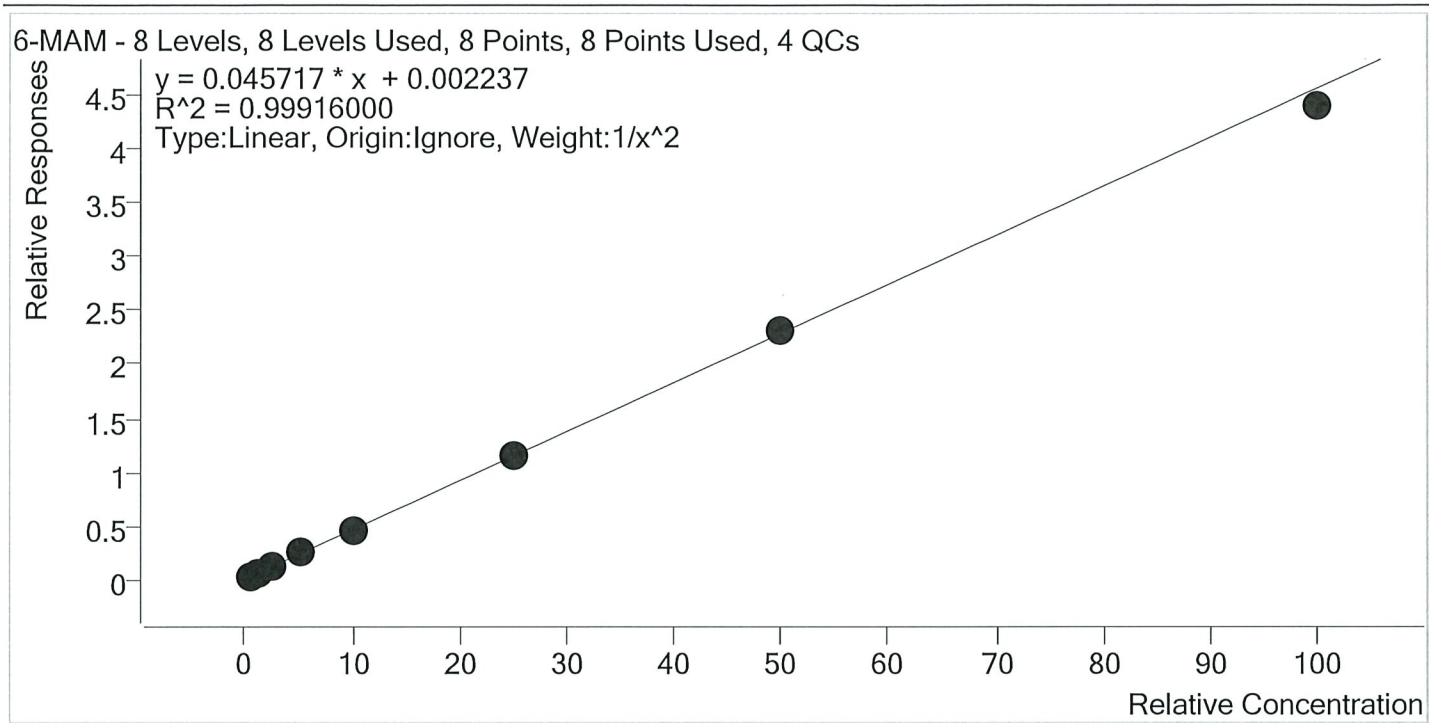
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.4
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.7
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.2
p1 Cal 4-50ng	4	✓	50.0	51.2	102.4
p1 Cal 5-100ng	5	✓	100.0	99.9	99.9
p1 Cal 6-250ng	6	✓	250.0	251.0	100.4
p1 Cal 7-500ng	7	✓	500.0	497.8	99.6
p1 Cal 8-1000ng	8	✓	1000.0	974.1	97.4

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
 Last Cal. Update 7/16/2020 9:19 AM
 Analyst Name ISP\datastor
 Analyte 6-MAM Internal Standard 6-MAM-D6



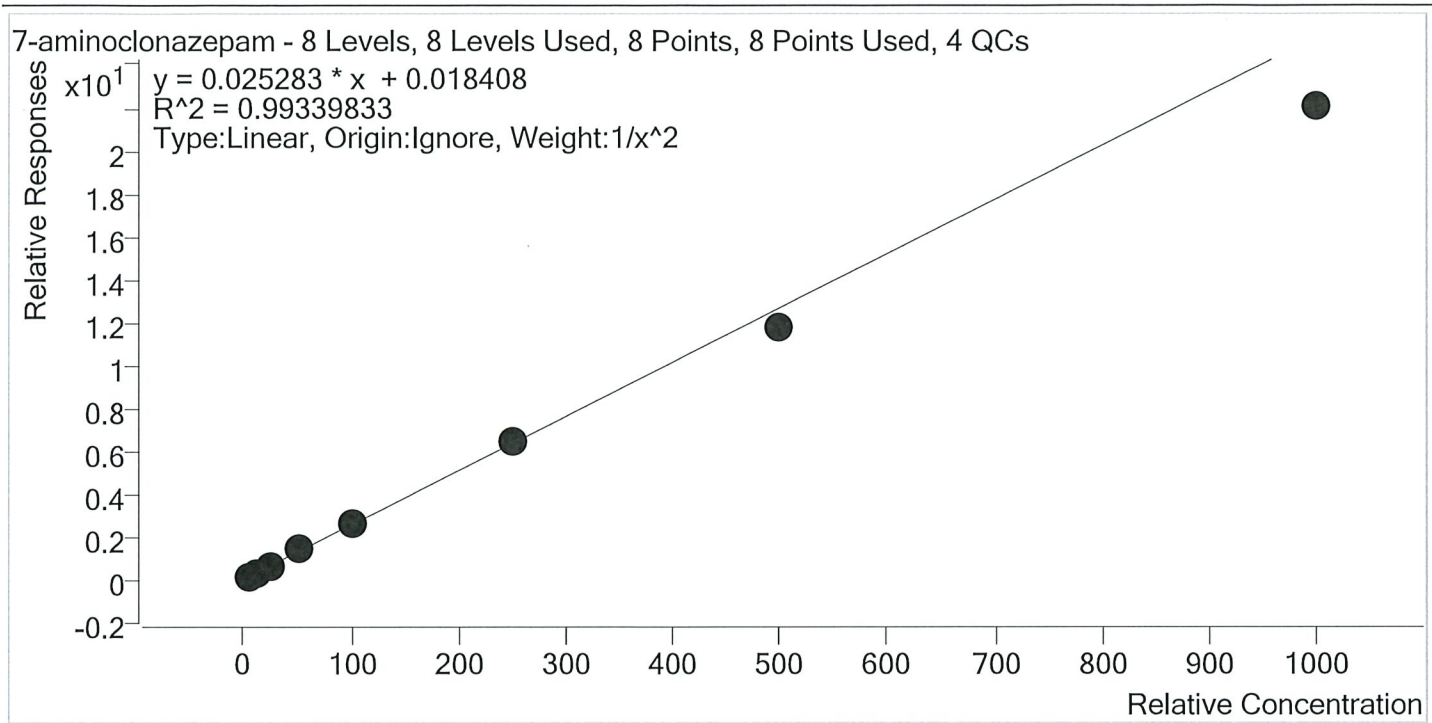
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	99.0
p1 Cal 2- 10ng	2	✓	1.0	1.0	102.9
p1 Cal 3 -25ng	3	✓	2.5	2.4	96.5
p1 Cal 4-50ng	4	✓	5.0	5.1	102.3
p1 Cal 5-100ng	5	✓	10.0	10.0	100.1
p1 Cal 6-250ng	6	✓	25.0	25.4	101.7
p1 Cal 7-500ng	7	✓	50.0	50.6	101.1
p1 Cal 8-1000ng	8	✓	100.0	96.3	96.3

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2020 9:19 AM
Analyst Name ISP\datastor
Analyte 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4



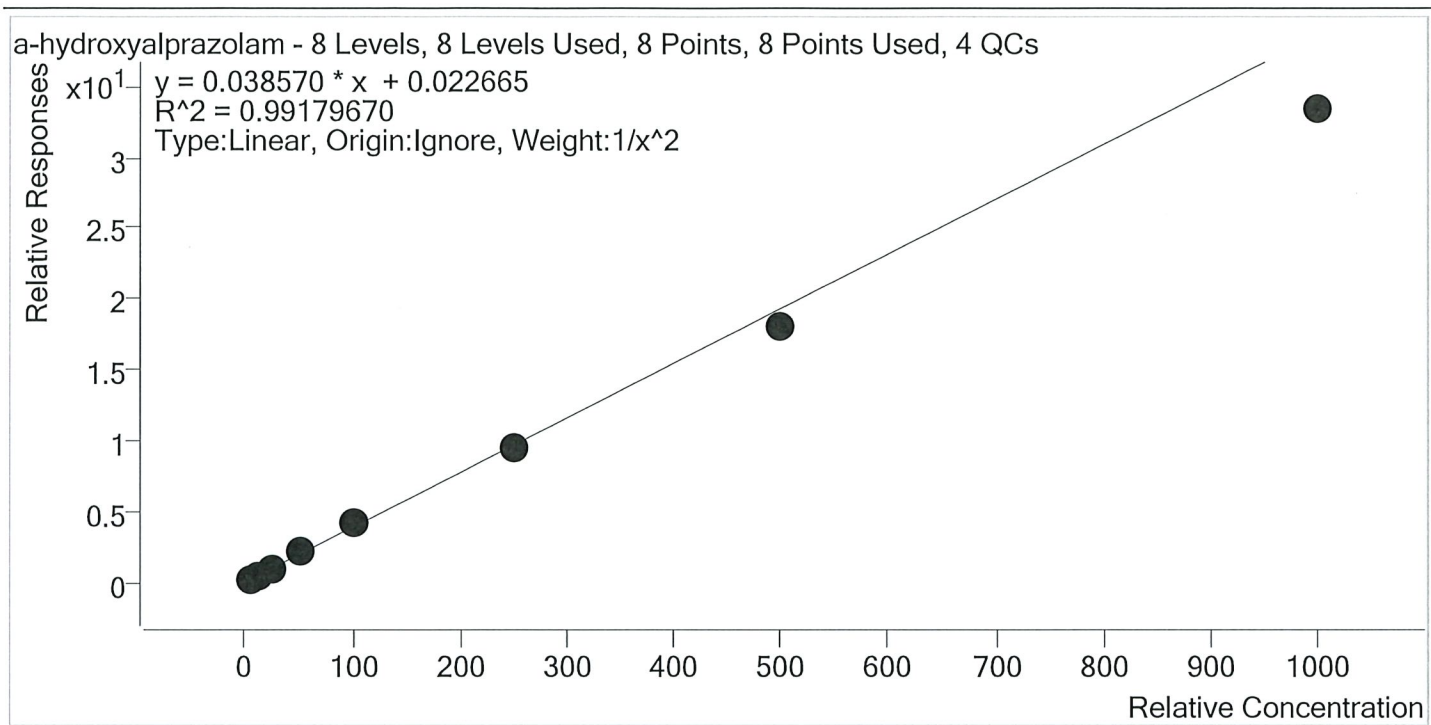
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.1
p1 Cal 2- 10ng	2	✓	10.0	10.4	104.1
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.9
p1 Cal 4-50ng	4	✓	50.0	53.8	107.5
p1 Cal 5-100ng	5	✓	100.0	104.6	104.6
p1 Cal 6-250ng	6	✓	250.0	256.4	102.6
p1 Cal 7-500ng	7	✓	500.0	465.9	93.2
p1 Cal 8-1000ng	8	✓	1000.0	871.7	87.2

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2020 9:19 AM
Analyst Name ISP\datastor
Analyte a-hydroxyalprazolam **Internal Standard** a-hydroxyalprazolam-D5



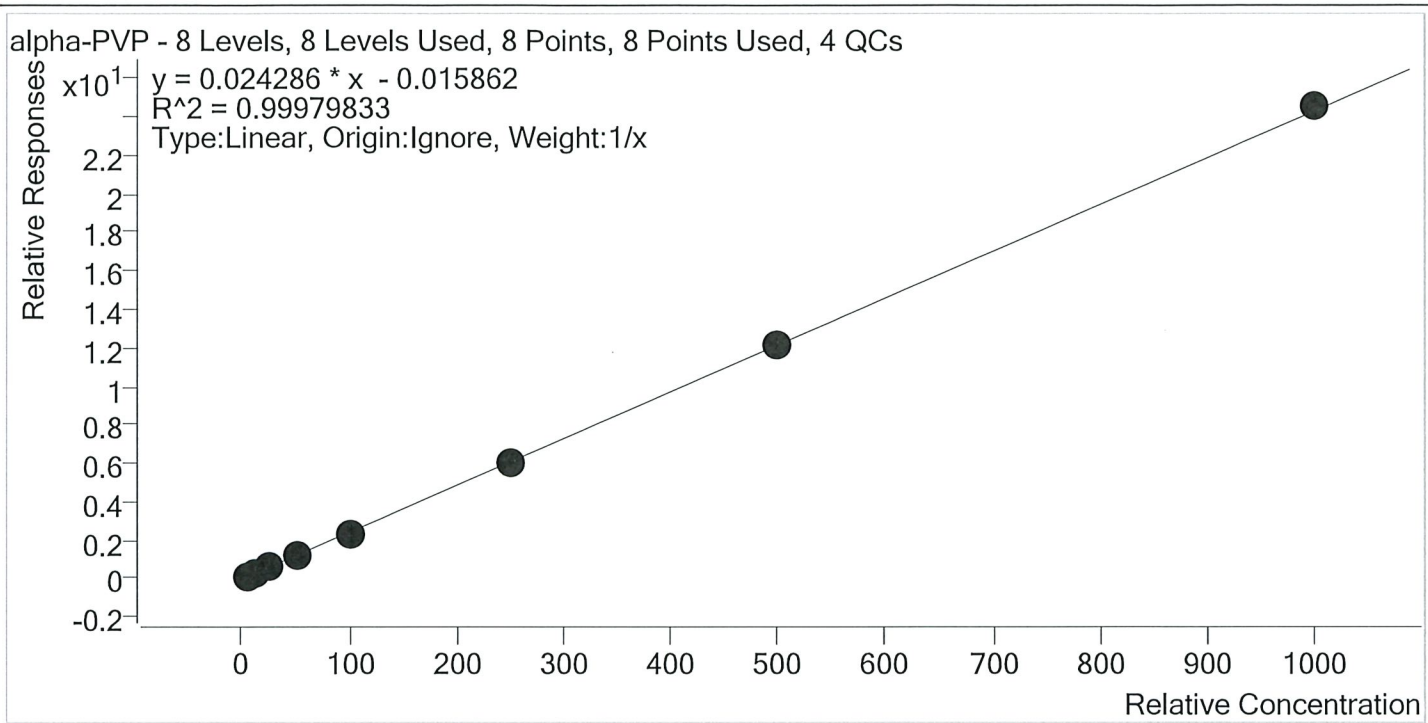
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.4
p1 Cal 2- 10ng	2	✓	10.0	10.5	104.7
p1 Cal 3 -25ng	3	✓	25.0	26.5	106.1
p1 Cal 4-50ng	4	✓	50.0	54.2	108.4
p1 Cal 5-100ng	5	✓	100.0	107.5	107.5
p1 Cal 6-250ng	6	✓	250.0	245.1	98.0
p1 Cal 7-500ng	7	✓	500.0	467.4	93.5
p1 Cal 8-1000ng	8	✓	1000.0	864.5	86.5

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
 Last Cal. Update 7/16/2020 9:19 AM
 Analyst Name ISP\datastor
 Analyte alpha-PVP Internal Standard alpha-PVP-d8



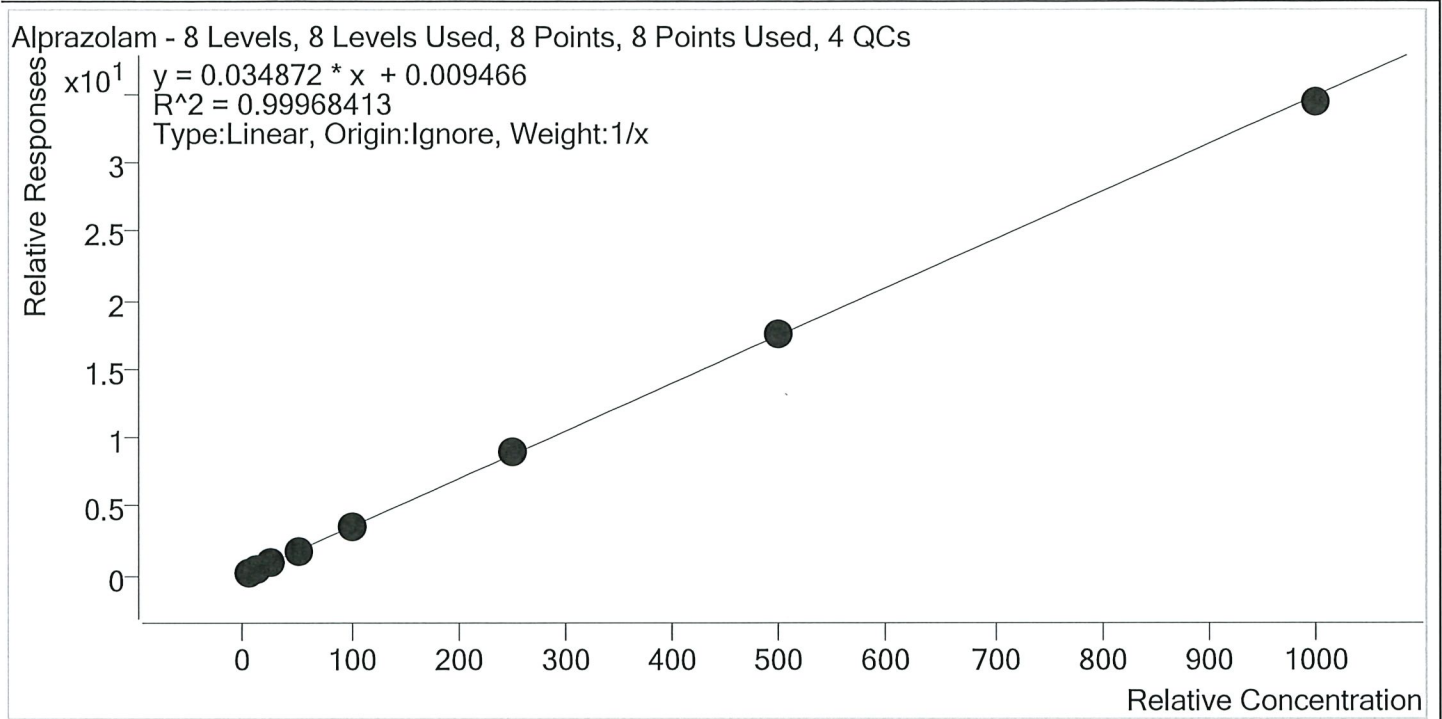
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.4	107.8
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.4
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.3
p1 Cal 4-50ng	4	✓	50.0	49.4	98.8
p1 Cal 5-100ng	5	✓	100.0	96.4	96.4
p1 Cal 6-250ng	6	✓	250.0	247.0	98.8
p1 Cal 7-500ng	7	✓	500.0	497.3	99.5
p1 Cal 8-1000ng	8	✓	1000.0	1010.3	101.0

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2020 9:19 AM
Analyst Name ISP\datastor
Analyte Alprazolam **Internal Standard** Alprazolam-D5



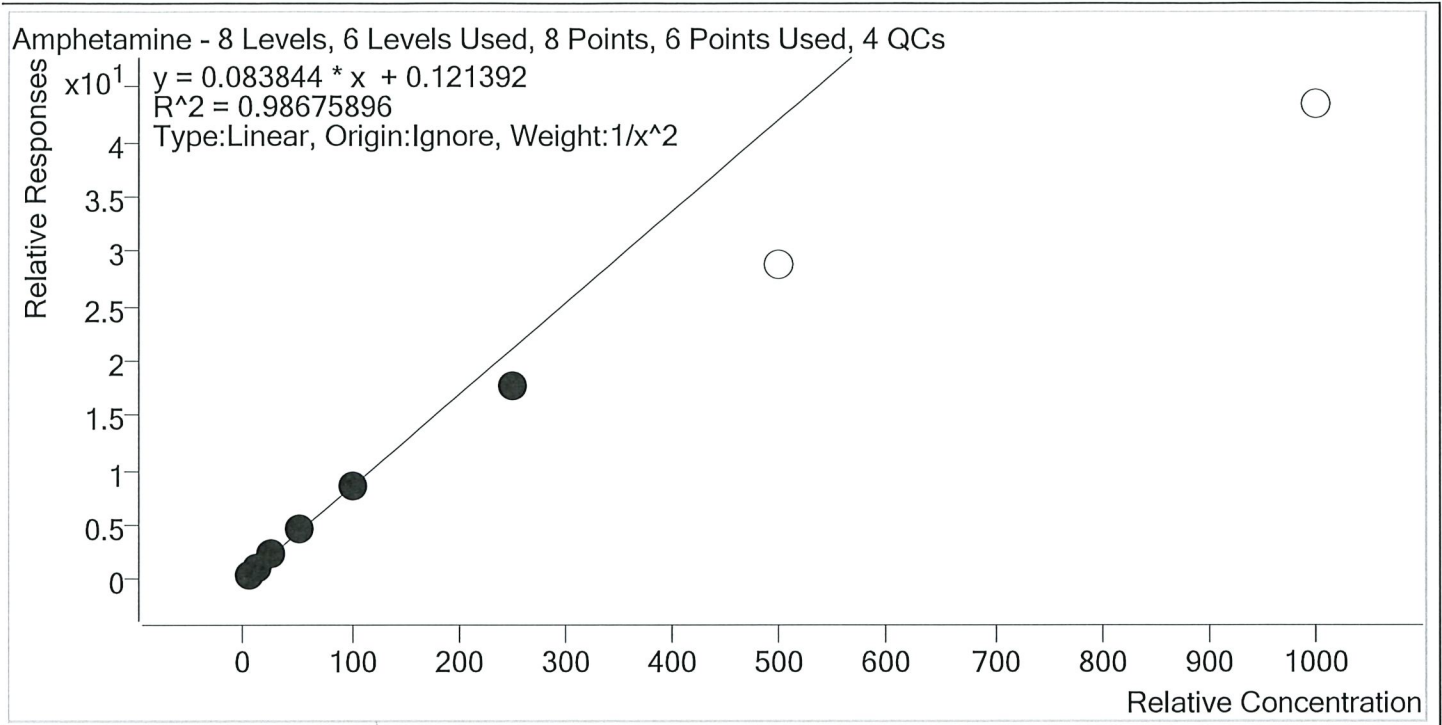
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.6
p1 Cal 2- 10ng	2	✓	10.0	9.6	96.1
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.1
p1 Cal 4-50ng	4	✓	50.0	51.3	102.6
p1 Cal 5-100ng	5	✓	100.0	102.6	102.6
p1 Cal 6-250ng	6	✓	250.0	257.5	103.0
p1 Cal 7-500ng	7	✓	500.0	502.2	100.4
p1 Cal 8-1000ng	8	✓	1000.0	986.5	98.7

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
 Last Cal. Update 7/16/2020 9:19 AM
 Analyst Name ISP\datastor
 Analyte Amphetamine Internal Standard Amphetamine-D11



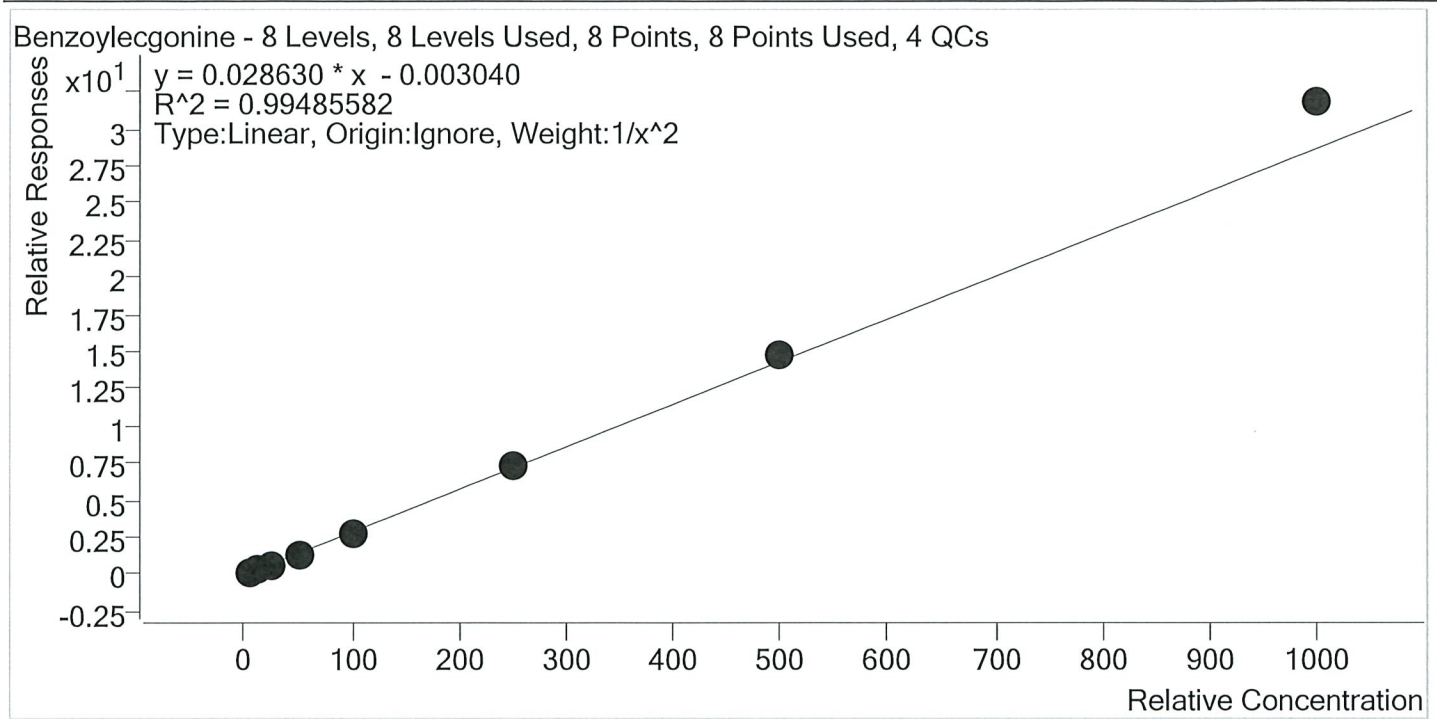
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.0
p1 Cal 2- 10ng	2	✓	10.0	10.4	103.7
p1 Cal 3 -25ng	3	✓	25.0	26.9	107.6
p1 Cal 4-50ng	4	✓	50.0	54.4	108.8
p1 Cal 5-100ng	5	✓	100.0	100.6	100.6
p1 Cal 6-250ng	6	✓	250.0	208.1	83.3
p1 Cal 7-500ng	7	×	500.0	342.7	68.5
p1 Cal 8-1000ng	8	×	1000.0	516.1	51.6

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2020 9:19 AM
Analyst Name ISP\datastor
Analyte Benzoyllecgonine **Internal Standard** Benzoyllecgonine-d8



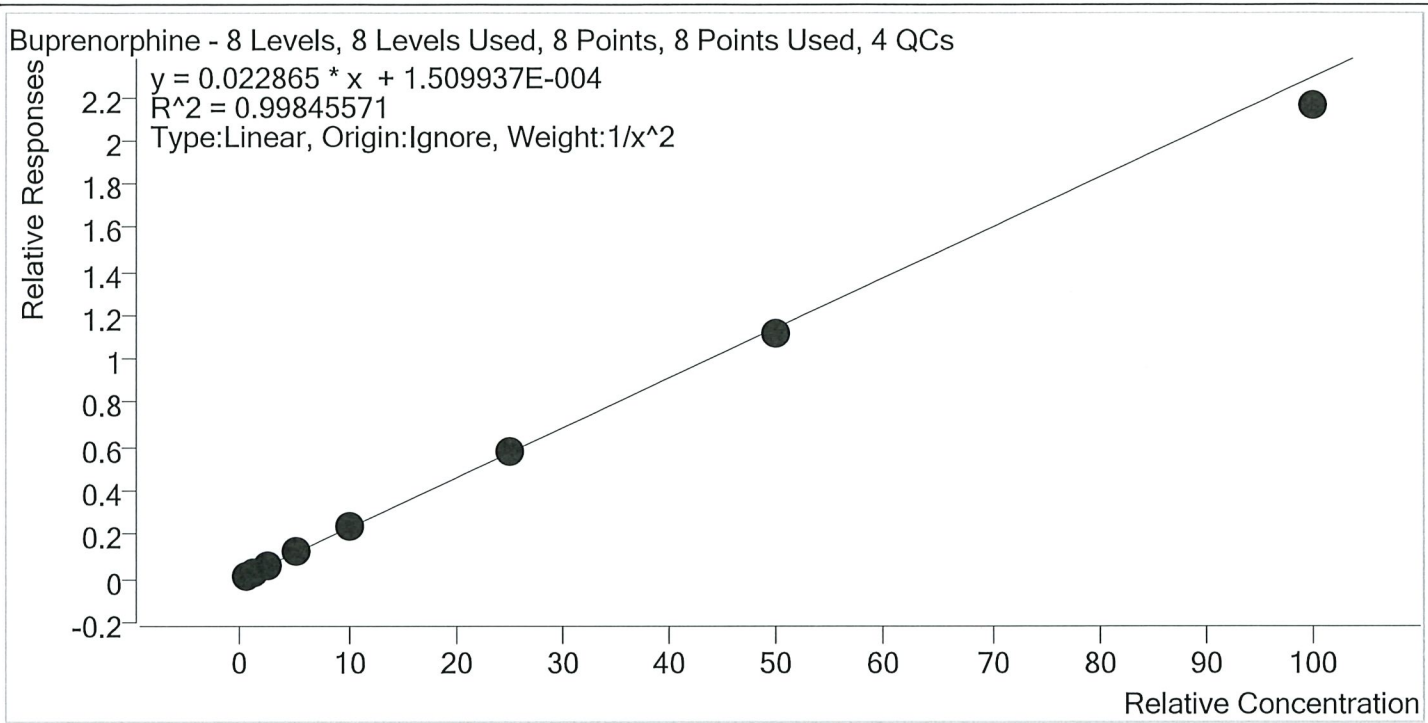
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.9
p1 Cal 2- 10ng	2	✓	10.0	9.7	96.9
p1 Cal 3 -25ng	3	✓	25.0	22.7	90.9
p1 Cal 4-50ng	4	✓	50.0	47.3	94.5
p1 Cal 5-100ng	5	✓	100.0	98.4	98.4
p1 Cal 6-250ng	6	✓	250.0	252.3	100.9
p1 Cal 7-500ng	7	✓	500.0	517.5	103.5
p1 Cal 8-1000ng	8	✓	1000.0	1109.6	111.0

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2020 9:19 AM
Analyst Name ISP\datastor
Analyte Buprenorphine **Internal Standard** Buprenorphine-D4



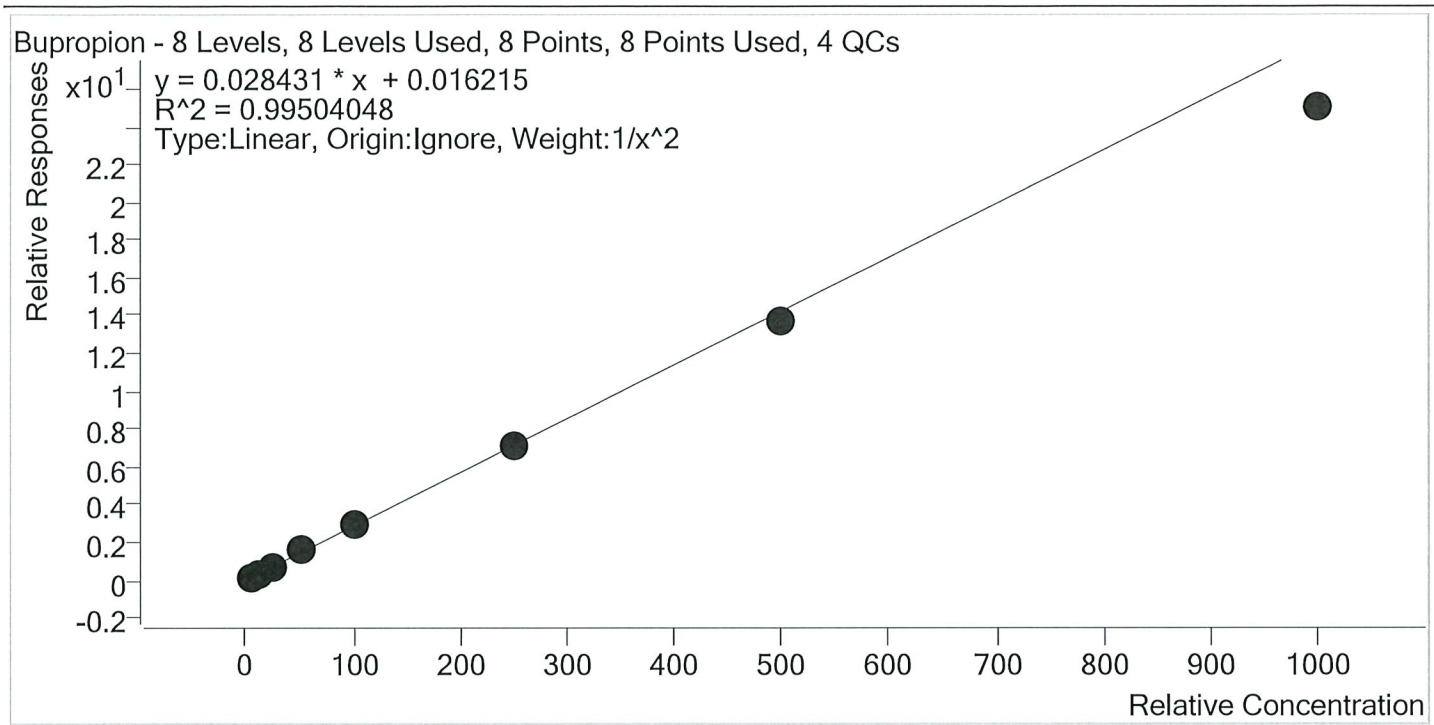
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	98.7
p1 Cal 2- 10ng	2	✓	1.0	1.0	101.1
p1 Cal 3 -25ng	3	✓	2.5	2.5	100.2
p1 Cal 4-50ng	4	✓	5.0	5.3	106.0
p1 Cal 5-100ng	5	✓	10.0	10.2	101.9
p1 Cal 6-250ng	6	✓	25.0	25.0	100.1
p1 Cal 7-500ng	7	✓	50.0	48.8	97.5
p1 Cal 8-1000ng	8	✓	100.0	94.3	94.3

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2020 9:19 AM
Analyst Name ISP\datastor
Analyte Bupropion **Internal Standard** Bupropion-D9



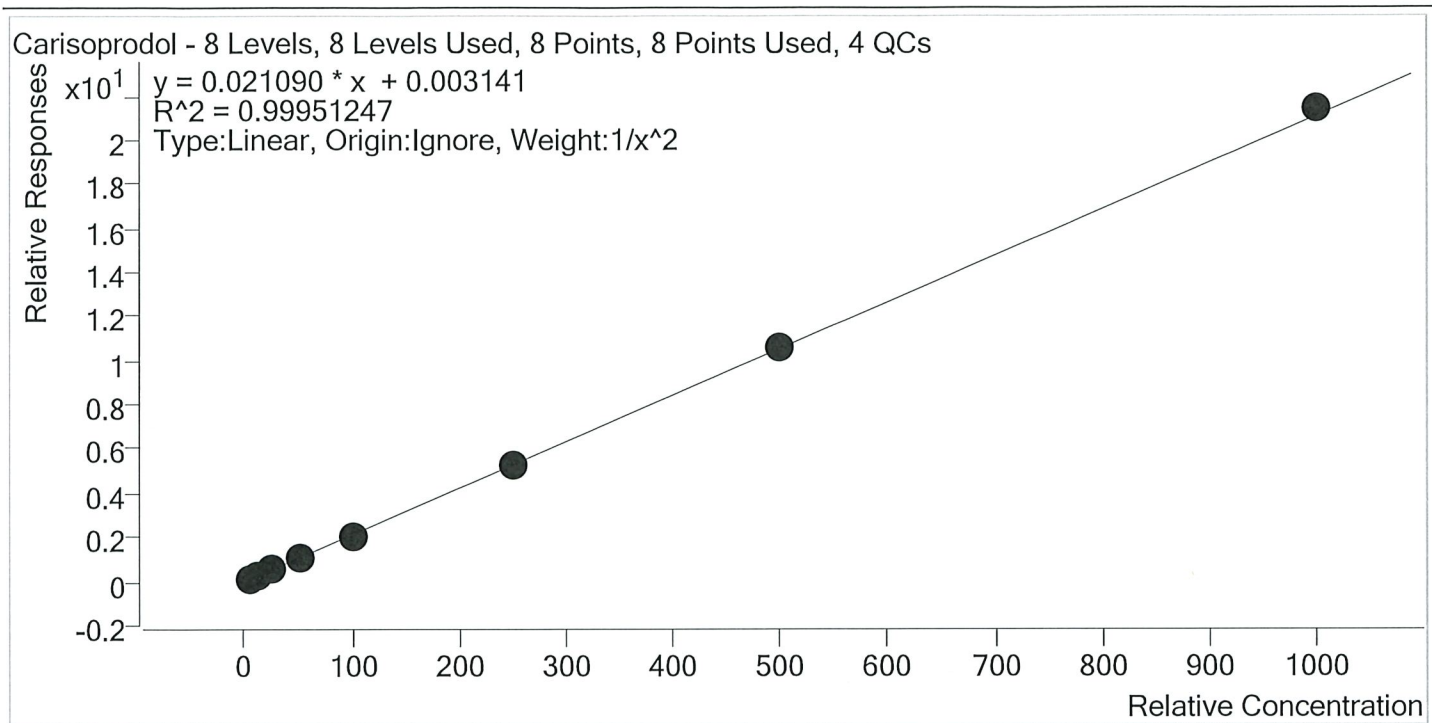
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.5
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.7
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.4
p1 Cal 4-50ng	4	✓	50.0	54.2	108.4
p1 Cal 5-100ng	5	✓	100.0	103.6	103.6
p1 Cal 6-250ng	6	✓	250.0	251.9	100.8
p1 Cal 7-500ng	7	✓	500.0	483.3	96.7
p1 Cal 8-1000ng	8	✓	1000.0	879.0	87.9

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2020 9:19 AM
Analyst Name ISP\datastor
Analyte Carisoprodol **Internal Standard** Carisoprodol-D7



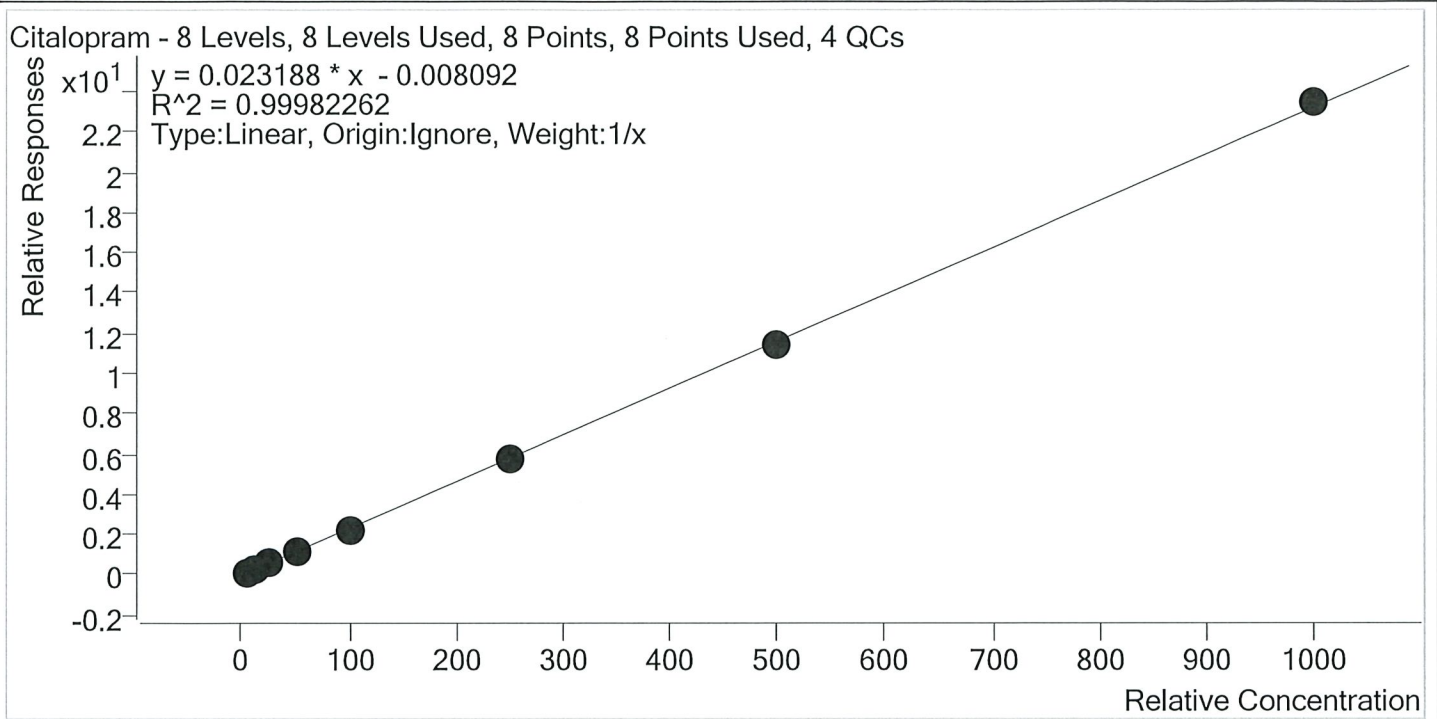
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.9
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.6
p1 Cal 3 -25ng	3	✓	25.0	24.0	96.0
p1 Cal 4-50ng	4	✓	50.0	50.9	101.8
p1 Cal 5-100ng	5	✓	100.0	98.5	98.5
p1 Cal 6-250ng	6	✓	250.0	251.9	100.8
p1 Cal 7-500ng	7	✓	500.0	504.2	100.8
p1 Cal 8-1000ng	8	✓	1000.0	1016.0	101.6

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2020 9:19 AM
Analyst Name ISP\datastor
Analyte Citalopram **Internal Standard** Citalopram-D6



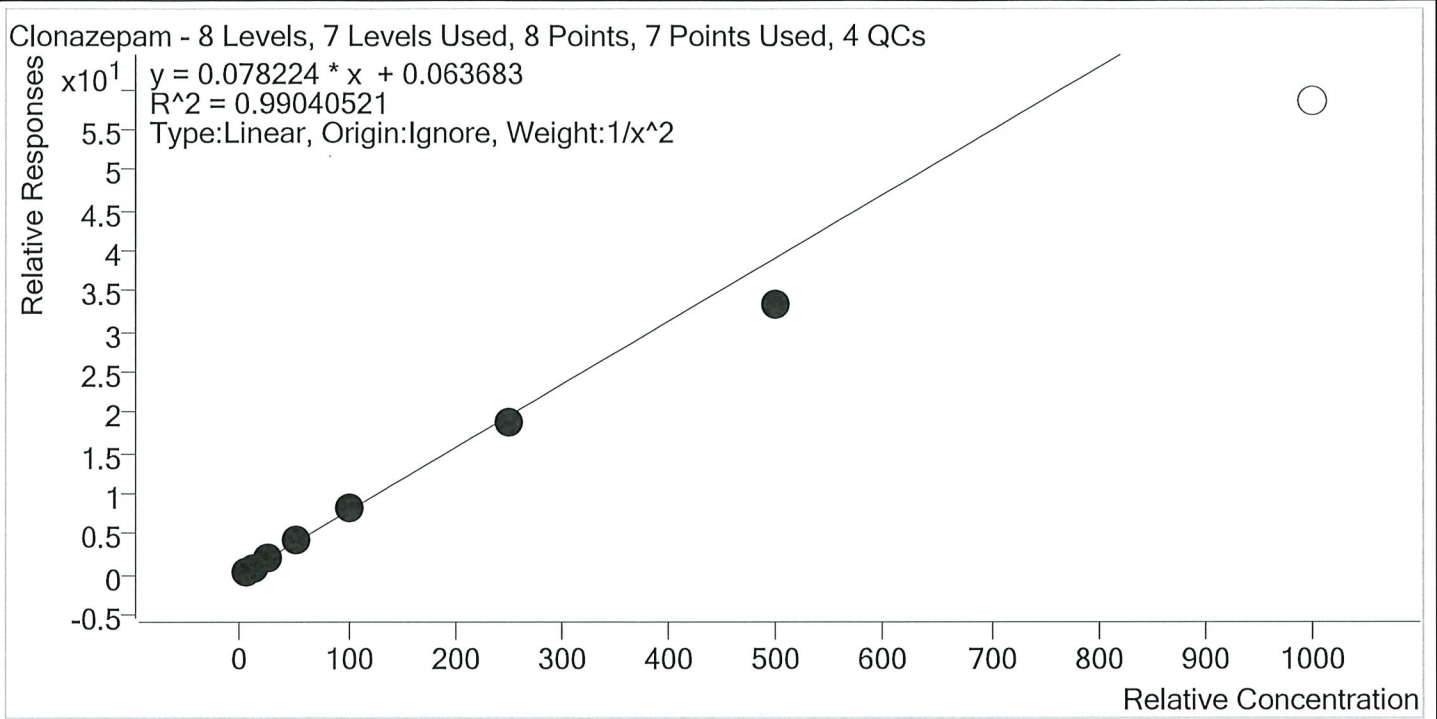
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.3	106.2
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.2
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.6
p1 Cal 4-50ng	4	✓	50.0	49.7	99.3
p1 Cal 5-100ng	5	✓	100.0	97.8	97.8
p1 Cal 6-250ng	6	✓	250.0	246.3	98.5
p1 Cal 7-500ng	7	✓	500.0	496.4	99.3
p1 Cal 8-1000ng	8	✓	1000.0	1010.5	101.0

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2020 9:19 AM
Analyst Name ISP\datastor
Analyte Clonazepam **Internal Standard** Clonazepam-D4



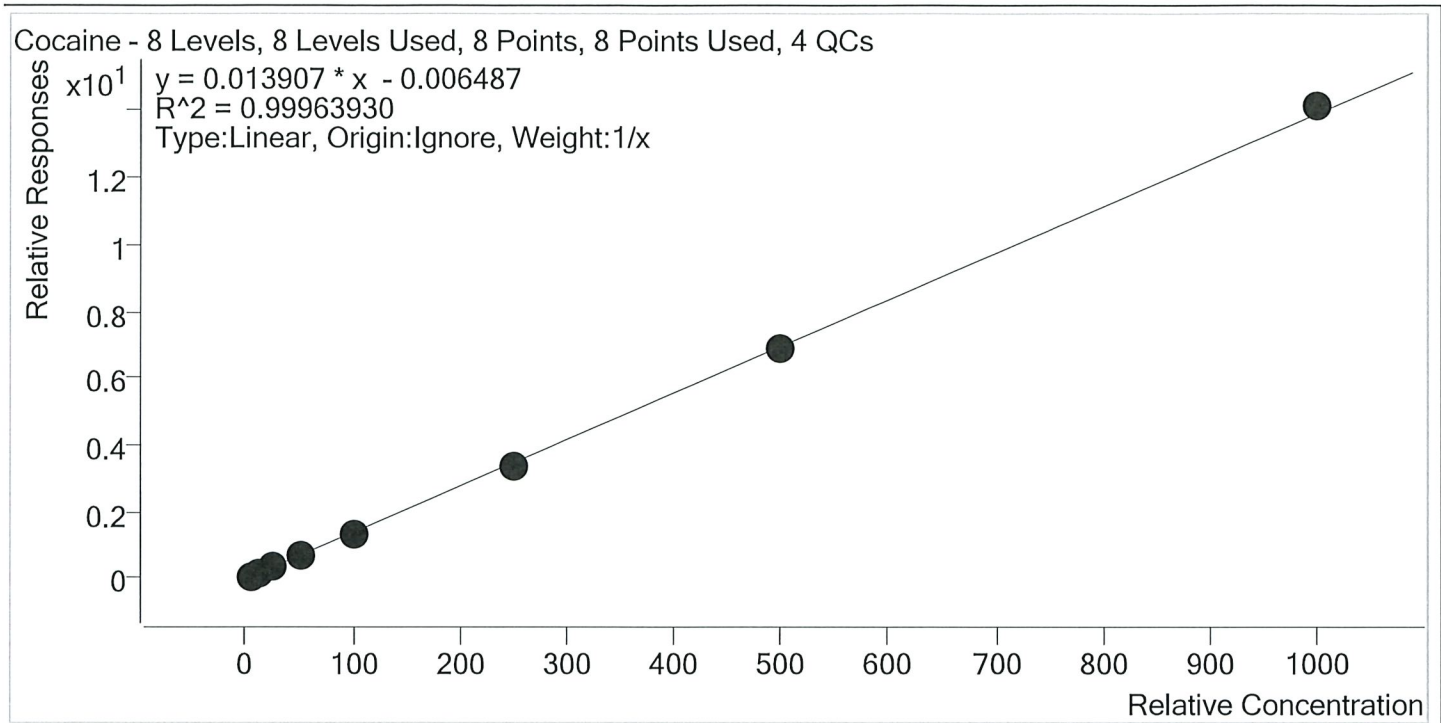
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.3
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.3
p1 Cal 3 -25ng	3	✓	25.0	26.2	104.7
p1 Cal 4-50ng	4	✓	50.0	55.1	110.2
p1 Cal 5-100ng	5	✓	100.0	105.7	105.7
p1 Cal 6-250ng	6	✓	250.0	239.8	95.9
p1 Cal 7-500ng	7	✓	500.0	424.0	84.8
p1 Cal 8-1000ng	8	×	1000.0	746.5	74.7

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
 Last Cal. Update 7/16/2020 9:19 AM
 Analyst Name ISP\datastor
 Analyte Cocaine Internal Standard Cocaine-d3



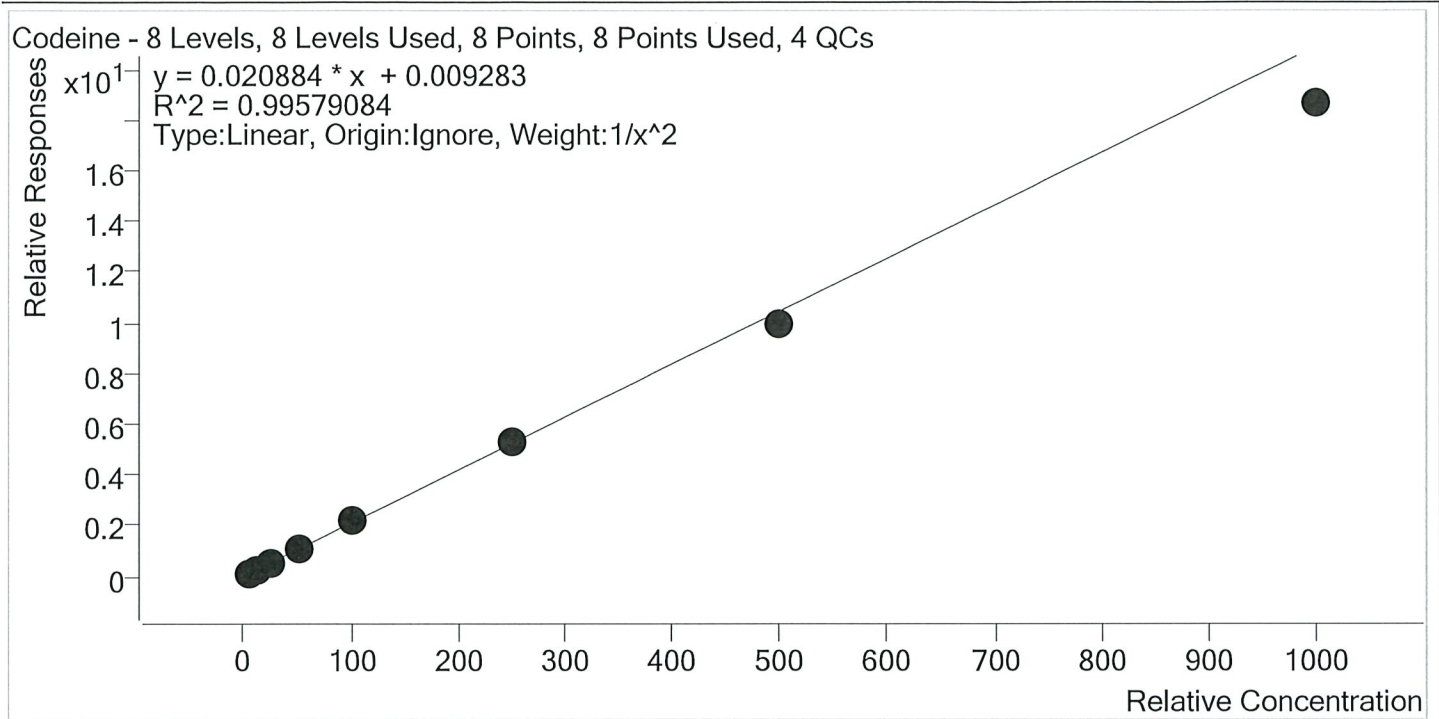
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.4	107.5
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.1
p1 Cal 3 -25ng	3	✓	25.0	24.2	97.0
p1 Cal 4-50ng	4	✓	50.0	49.3	98.6
p1 Cal 5-100ng	5	✓	100.0	96.3	96.3
p1 Cal 6-250ng	6	✓	250.0	245.9	98.4
p1 Cal 7-500ng	7	✓	500.0	492.6	98.5
p1 Cal 8-1000ng	8	✓	1000.0	1016.1	101.6

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2020 9:19 AM
Analyst Name ISP\datastor
Analyte Codeine **Internal Standard** Codeine-D6



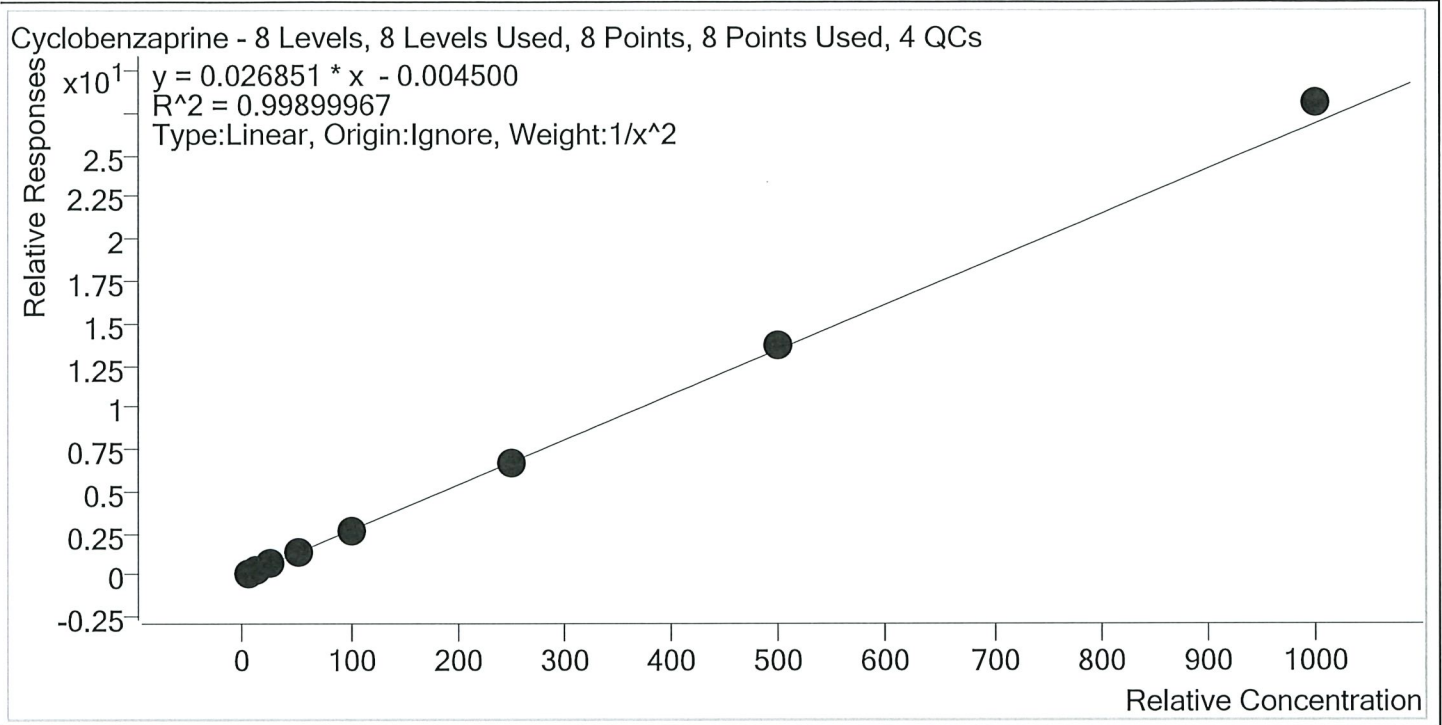
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.8
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.3
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.6
p1 Cal 4-50ng	4	✓	50.0	53.5	107.0
p1 Cal 5-100ng	5	✓	100.0	104.3	104.3
p1 Cal 6-250ng	6	✓	250.0	252.7	101.1
p1 Cal 7-500ng	7	✓	500.0	477.9	95.6
p1 Cal 8-1000ng	8	✓	1000.0	893.0	89.3

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2020 9:19 AM
Analyst Name ISP\datastor
Analyte Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3



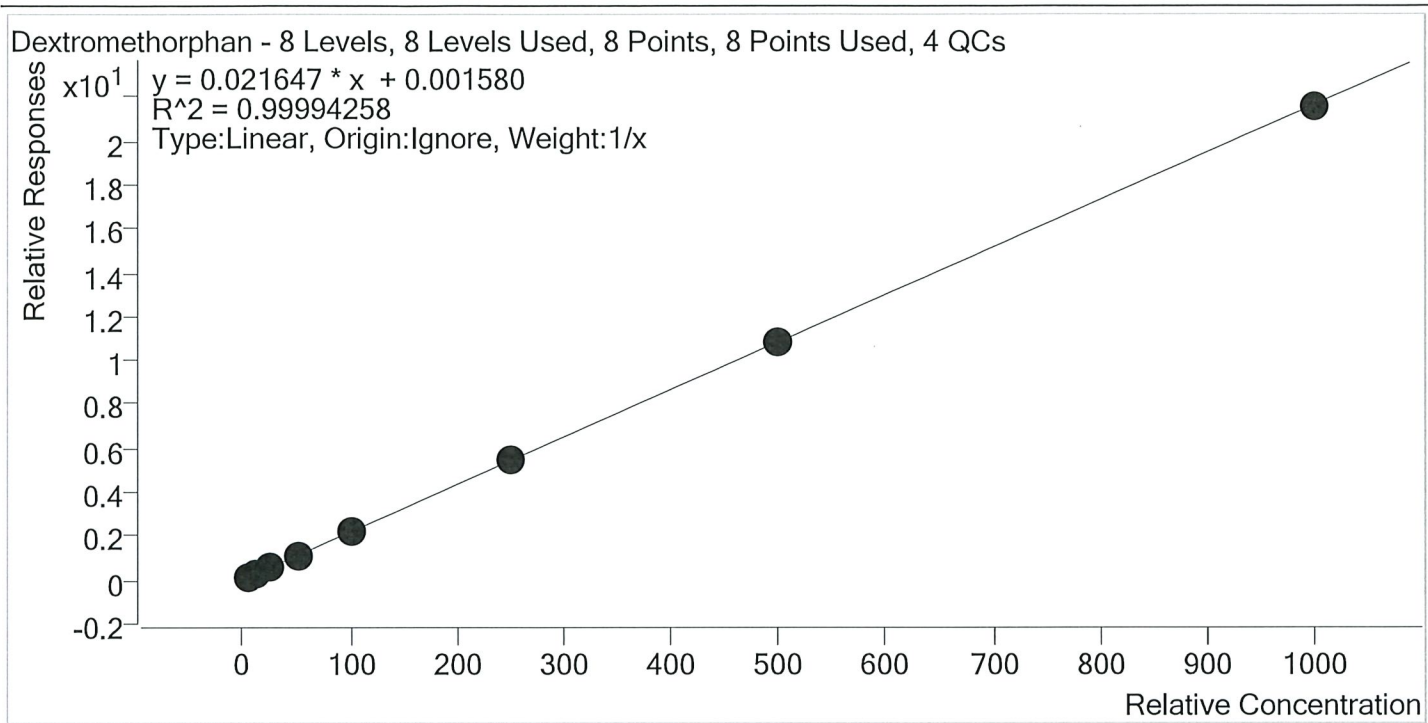
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.3
p1 Cal 2- 10ng	2	✓	10.0	9.7	97.0
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.6
p1 Cal 4-50ng	4	✓	50.0	49.7	99.5
p1 Cal 5-100ng	5	✓	100.0	98.2	98.2
p1 Cal 6-250ng	6	✓	250.0	250.7	100.3
p1 Cal 7-500ng	7	✓	500.0	508.0	101.6
p1 Cal 8-1000ng	8	✓	1000.0	1045.7	104.6

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2020 9:19 AM
Analyst Name ISP\datastor
Analyte Dextromethorphan **Internal Standard** Dextromethorphan-D3



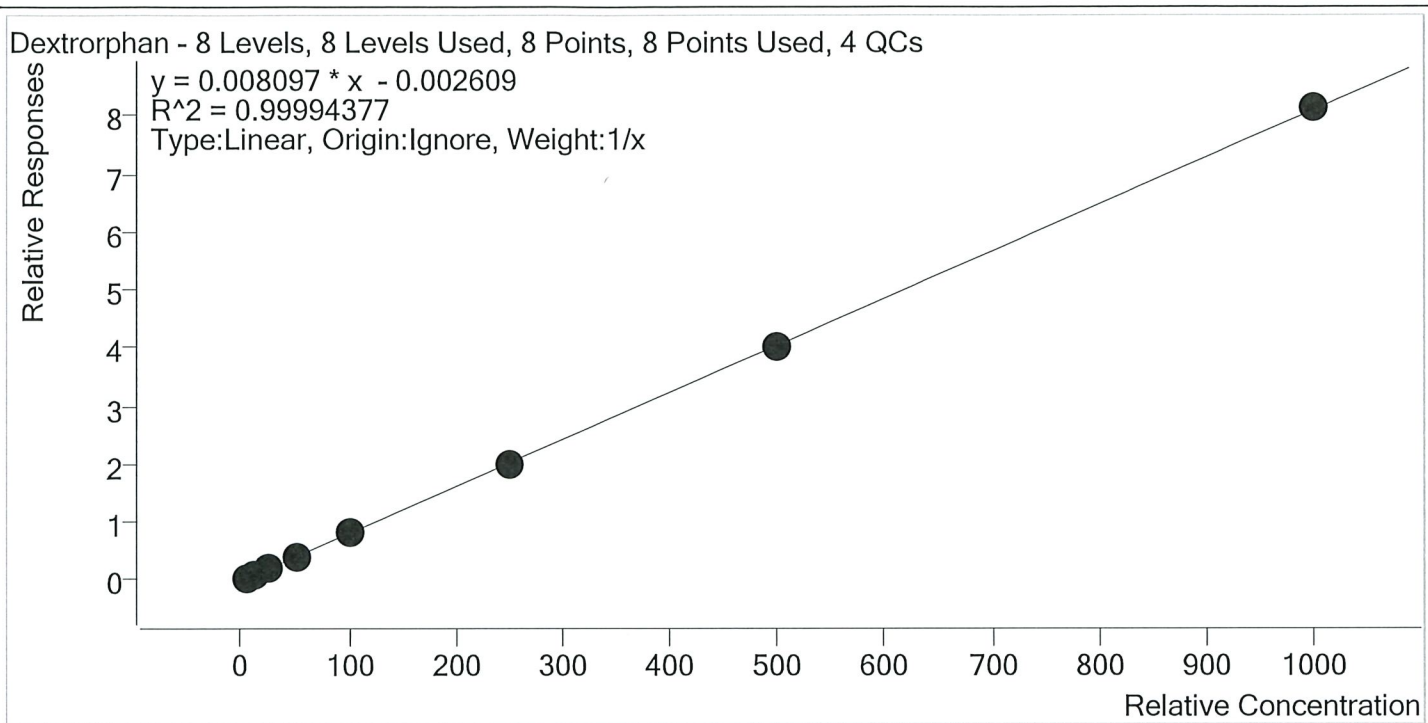
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.0
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.3
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.2
p1 Cal 4-50ng	4	✓	50.0	51.4	102.7
p1 Cal 5-100ng	5	✓	100.0	100.2	100.2
p1 Cal 6-250ng	6	✓	250.0	251.2	100.5
p1 Cal 7-500ng	7	✓	500.0	502.8	100.6
p1 Cal 8-1000ng	8	✓	1000.0	995.3	99.5

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2020 9:19 AM
Analyst Name ISP\datastor
Analyte Dextrorphan **Internal Standard** Dextrorphan-D3



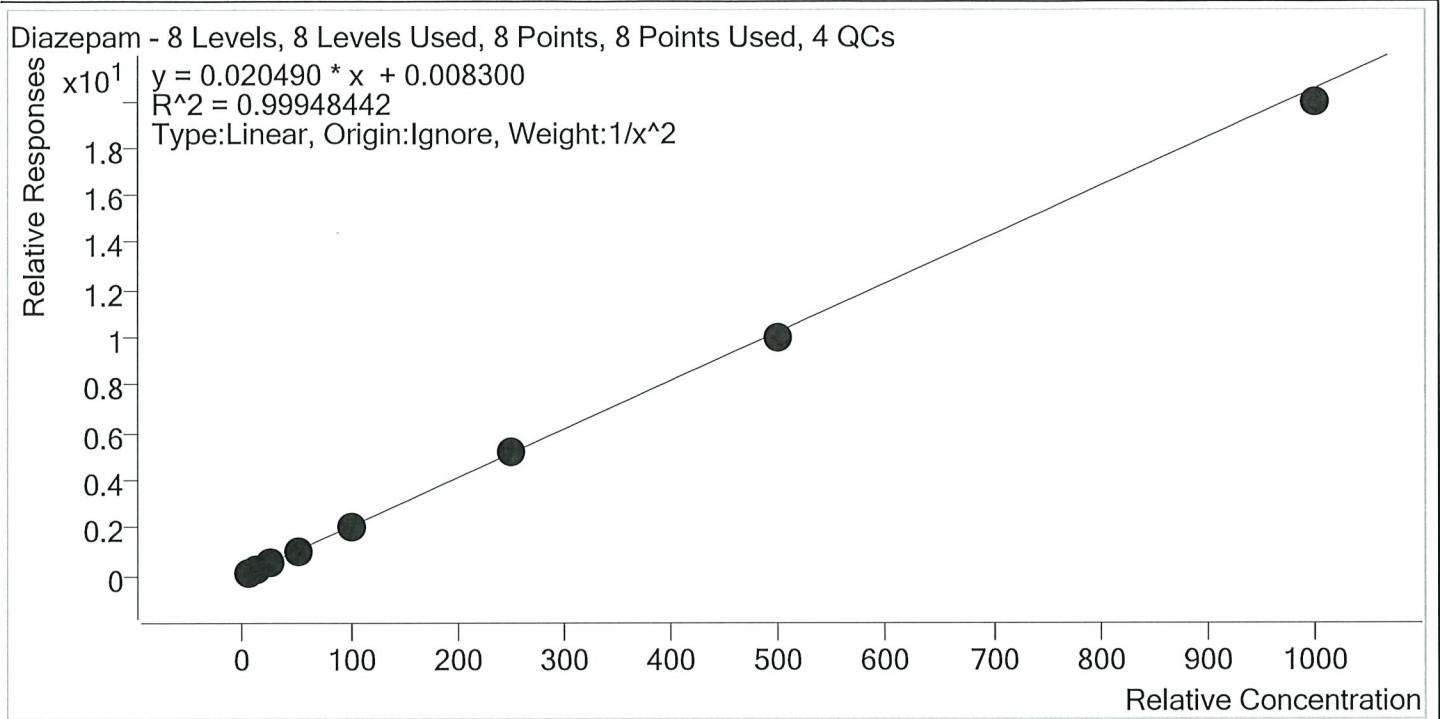
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.0
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.3
p1 Cal 3 -25ng	3	✓	25.0	24.0	95.9
p1 Cal 4-50ng	4	✓	50.0	50.1	100.3
p1 Cal 5-100ng	5	✓	100.0	99.1	99.1
p1 Cal 6-250ng	6	✓	250.0	248.3	99.3
p1 Cal 7-500ng	7	✓	500.0	498.4	99.7
p1 Cal 8-1000ng	8	✓	1000.0	1004.8	100.5

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2020 9:19 AM
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	100.2
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.3
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.1
p1 Cal 4-50ng	4	✓	50.0	51.2	102.4
p1 Cal 5-100ng	5	✓	100.0	102.5	102.5
p1 Cal 6-250ng	6	✓	250.0	253.5	101.4
p1 Cal 7-500ng	7	✓	500.0	490.2	98.0
p1 Cal 8-1000ng	8	✓	1000.0	971.3	97.1

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin

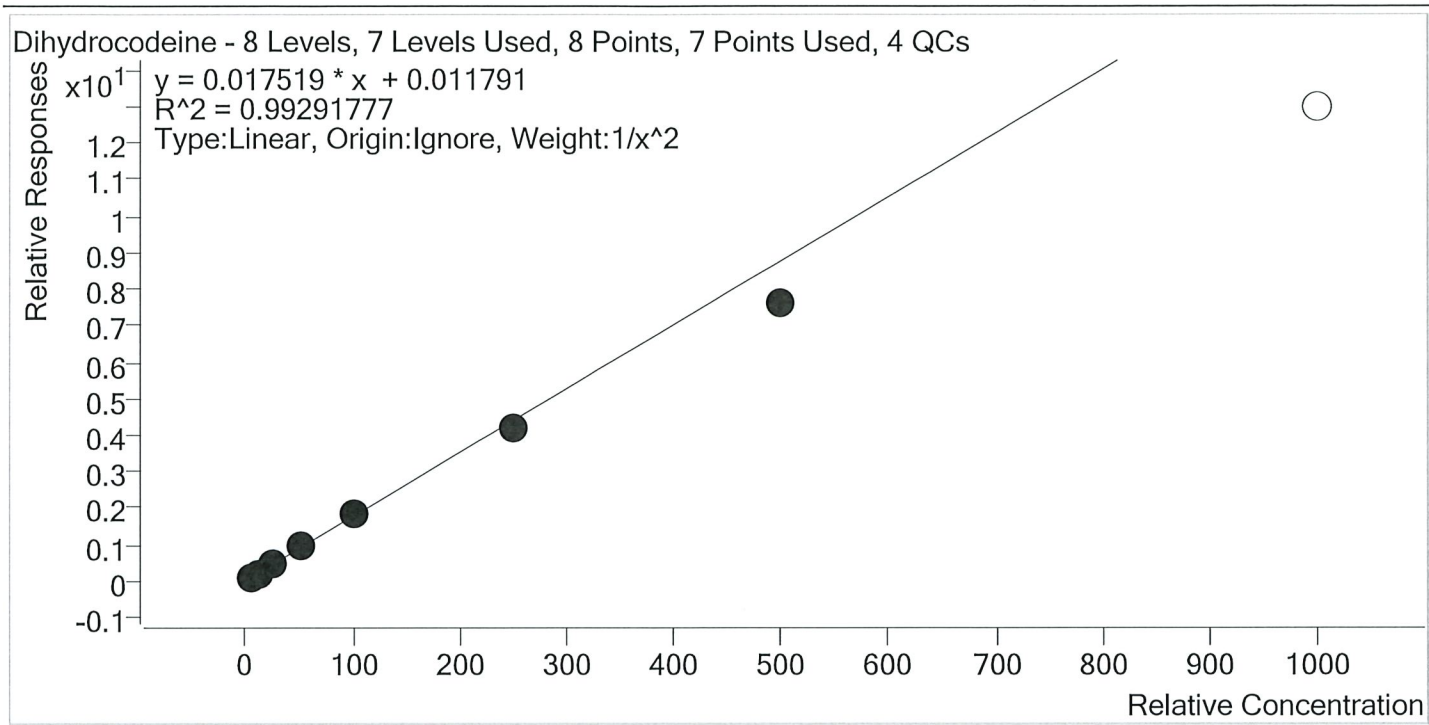
Last Cal. Update 7/16/2020 9:19 AM

Analyst Name ISP\datastor

Analyte Dihydrocodeine

Internal Standard

Dihydrocodeine-D6



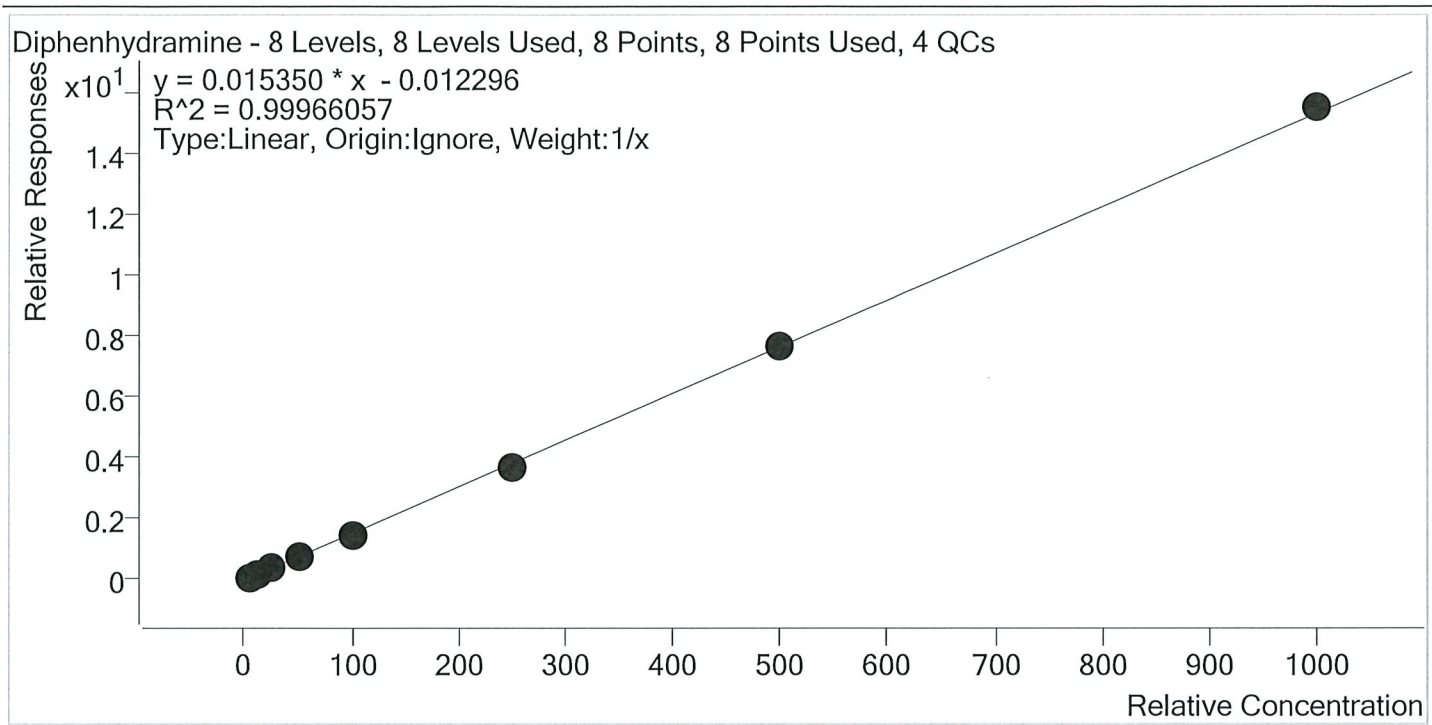
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.6
p1 Cal 2- 10ng	2	✓	10.0	10.4	103.7
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.7
p1 Cal 4-50ng	4	✓	50.0	54.1	108.2
p1 Cal 5-100ng	5	✓	100.0	104.5	104.5
p1 Cal 6-250ng	6	✓	250.0	240.4	96.2
p1 Cal 7-500ng	7	✓	500.0	435.9	87.2
p1 Cal 8-1000ng	8	×	1000.0	740.4	74.0

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2020 9:19 AM
Analyst Name ISP\datastor
Analyte Diphenhydramine **Internal Standard** Diphenhydramine-D3



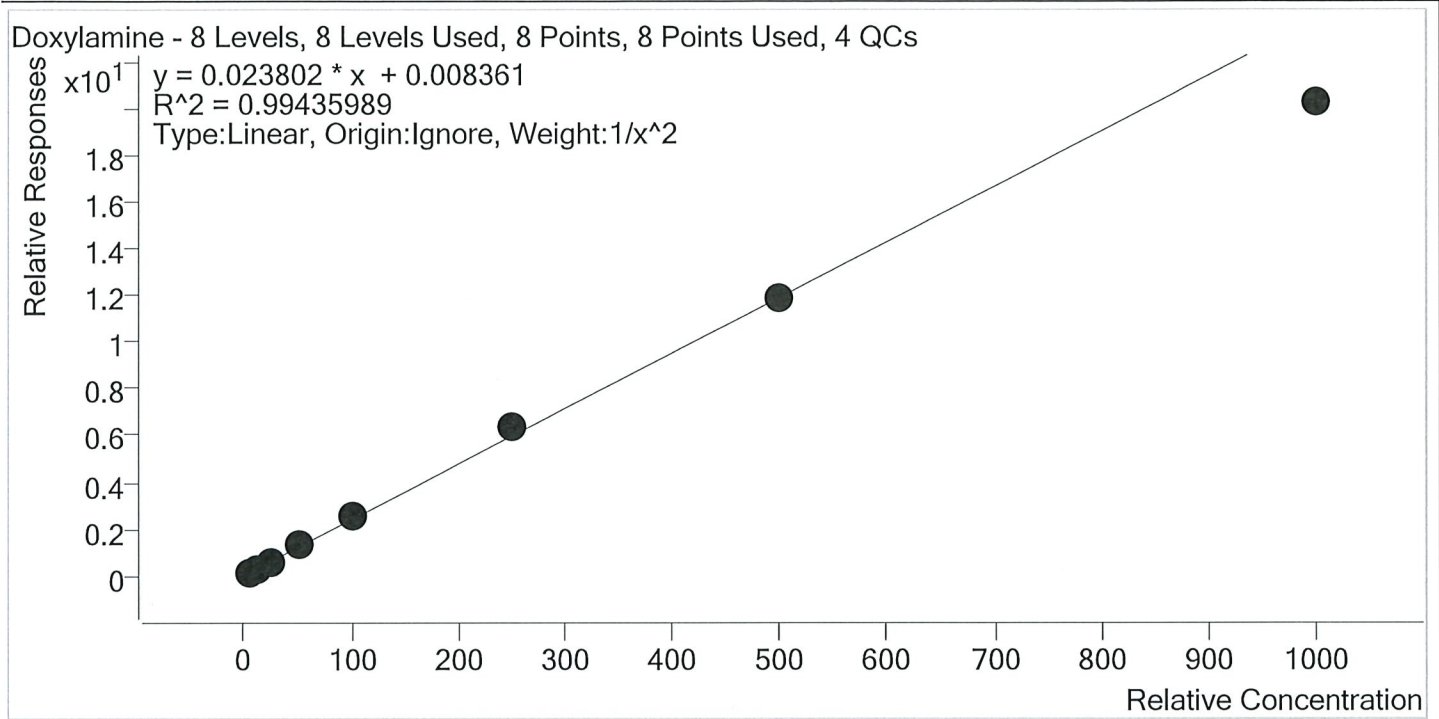
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.6	111.5
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.1
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.9
p1 Cal 4-50ng	4	✓	50.0	48.6	97.2
p1 Cal 5-100ng	5	✓	100.0	96.6	96.6
p1 Cal 6-250ng	6	✓	250.0	243.8	97.5
p1 Cal 7-500ng	7	✓	500.0	498.9	99.8
p1 Cal 8-1000ng	8	✓	1000.0	1012.6	101.3

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2020 9:19 AM
Analyst Name ISP\datastor
Analyte Doxylamine **Internal Standard** Doxylamine-D5



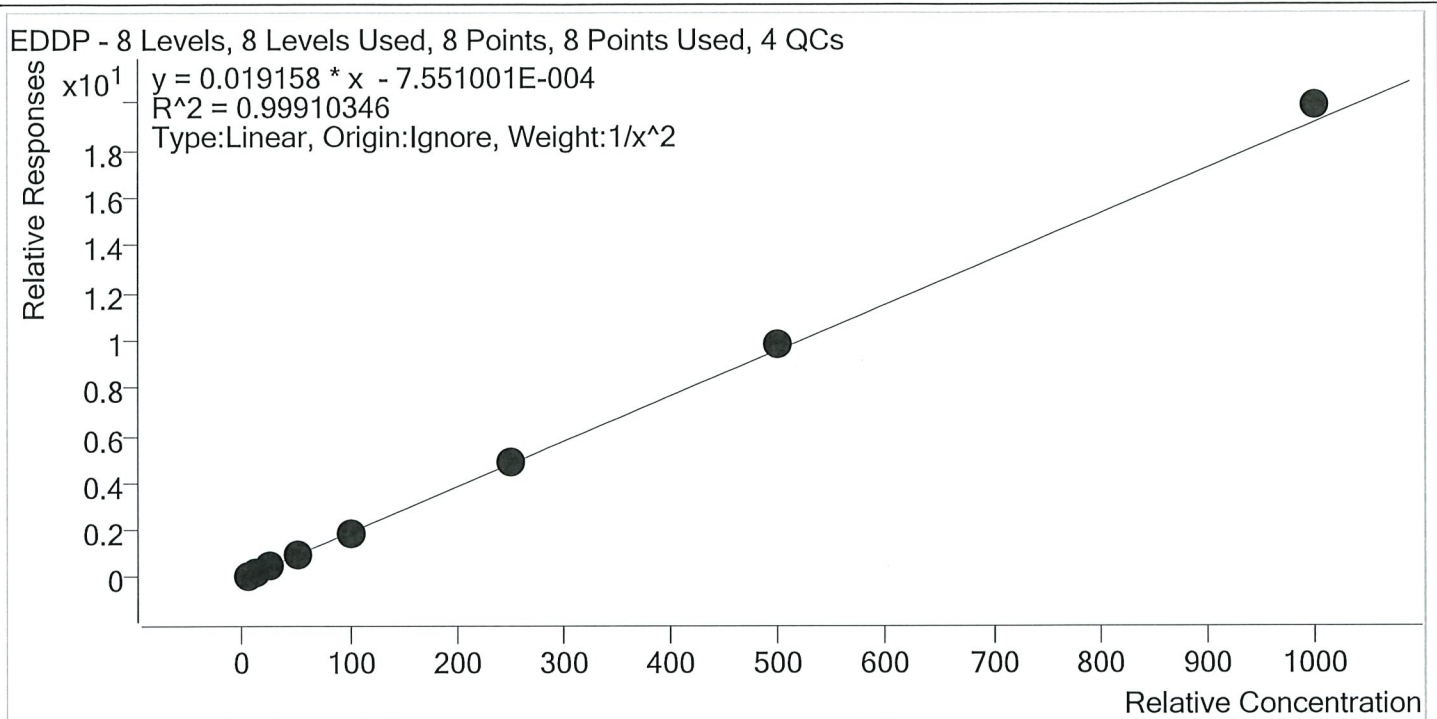
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.0
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.9
p1 Cal 4-50ng	4	✓	50.0	52.2	104.3
p1 Cal 5-100ng	5	✓	100.0	104.4	104.4
p1 Cal 6-250ng	6	✓	250.0	265.7	106.3
p1 Cal 7-500ng	7	✓	500.0	498.7	99.7
p1 Cal 8-1000ng	8	✓	1000.0	851.7	85.2

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2020 9:19 AM
Analyst Name ISP\datastor
Analyte EDDP **Internal Standard** EDDP-D3



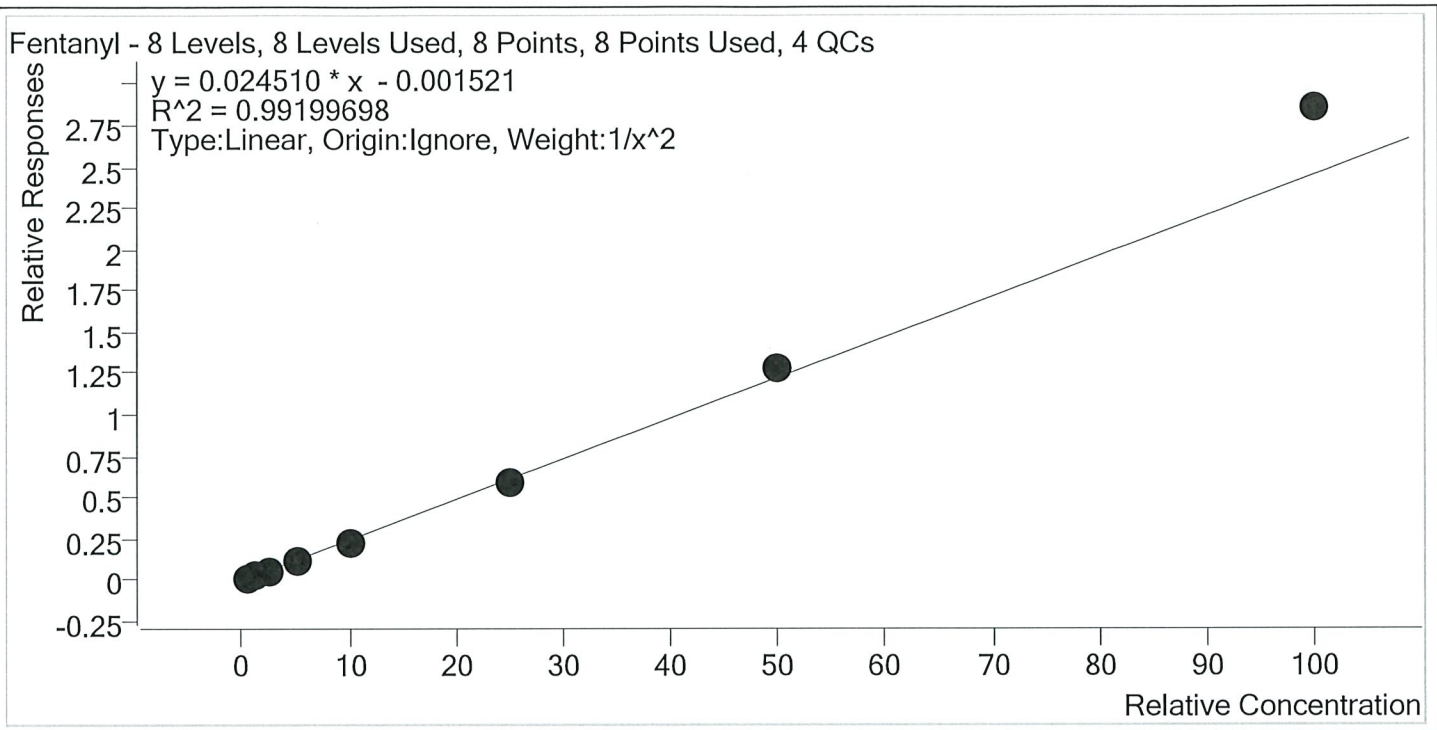
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.5
p1 Cal 2- 10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.7
p1 Cal 4-50ng	4	✓	50.0	49.6	99.2
p1 Cal 5-100ng	5	✓	100.0	96.9	96.9
p1 Cal 6-250ng	6	✓	250.0	251.0	100.4
p1 Cal 7-500ng	7	✓	500.0	514.3	102.9
p1 Cal 8-1000ng	8	✓	1000.0	1037.6	103.8

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2020 9:19 AM
Analyst Name ISP\datastor
Analyte Fentanyl **Internal Standard** Fentanyl-D5



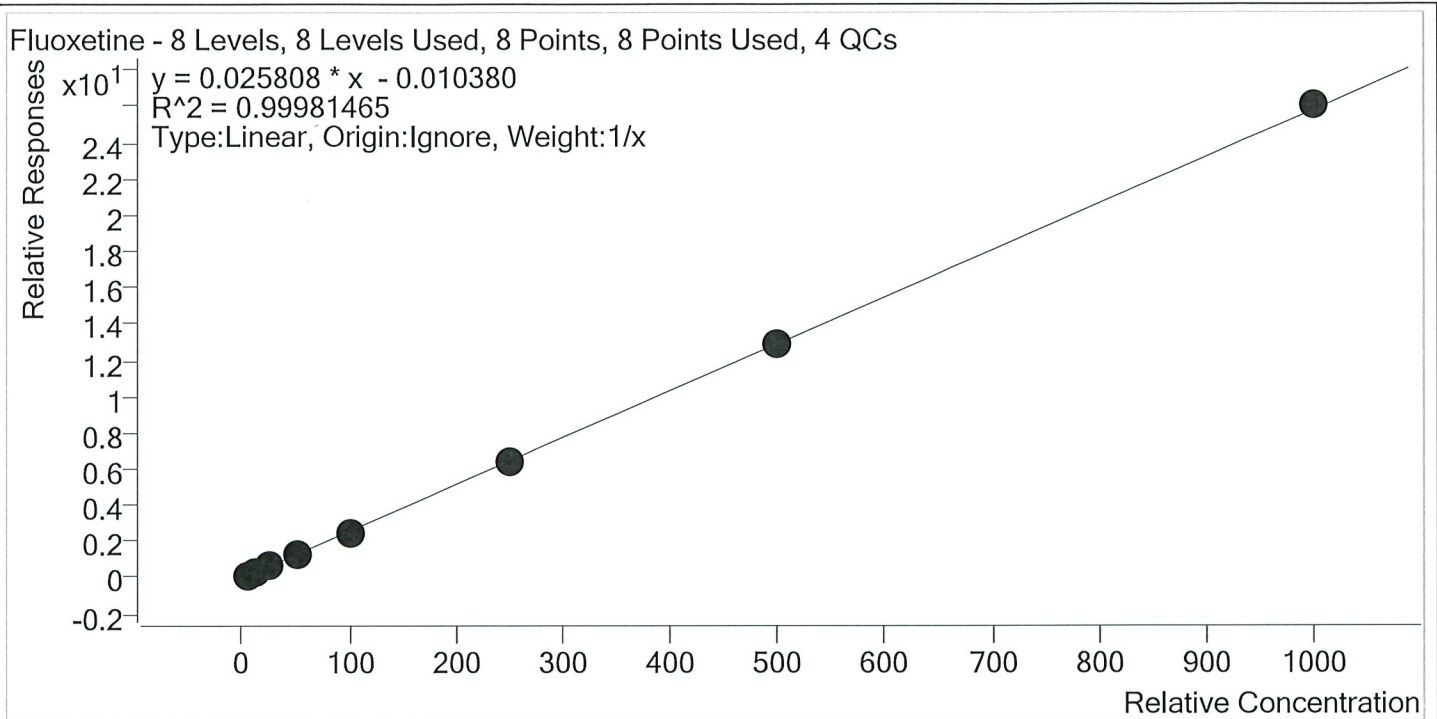
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	103.2
p1 Cal 2- 10ng	2	✓	1.0	1.0	98.0
p1 Cal 3 -25ng	3	✓	2.5	2.3	92.6
p1 Cal 4-50ng	4	✓	5.0	4.8	95.5
p1 Cal 5-100ng	5	✓	10.0	9.4	94.2
p1 Cal 6-250ng	6	✓	25.0	24.1	96.2
p1 Cal 7-500ng	7	✓	50.0	51.9	103.8
p1 Cal 8-1000ng	8	✓	100.0	116.5	116.5

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2020 9:19 AM
Analyst Name ISP\datastor
Analyte Fluoxetine **Internal Standard** Fluoxetine-D6



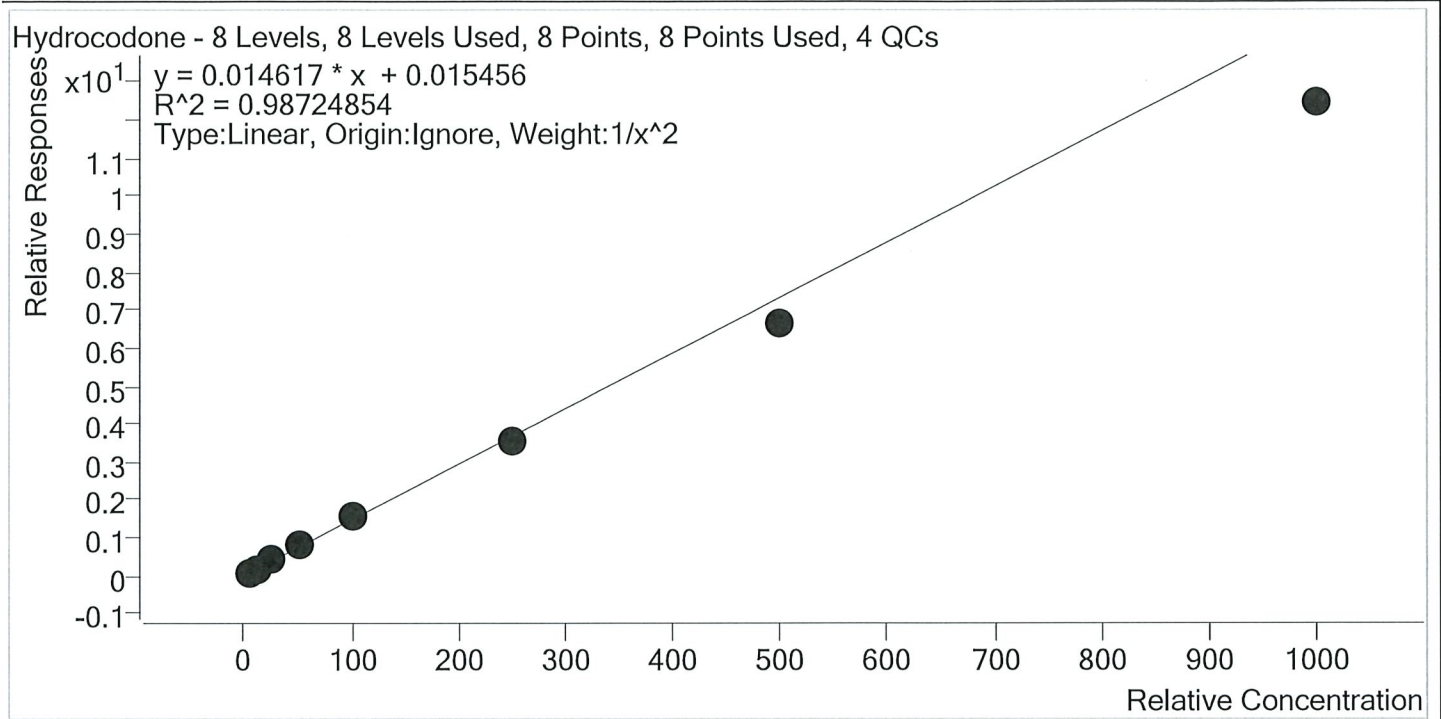
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.4	108.5
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.3
p1 Cal 4-50ng	4	✓	50.0	49.3	98.5
p1 Cal 5-100ng	5	✓	100.0	97.8	97.8
p1 Cal 6-250ng	6	✓	250.0	245.3	98.1
p1 Cal 7-500ng	7	✓	500.0	497.9	99.6
p1 Cal 8-1000ng	8	✓	1000.0	1010.2	101.0

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2020 9:19 AM
Analyst Name ISP\datastor
Analyte Hydrocodone **Internal Standard** Hydrocodone-D6



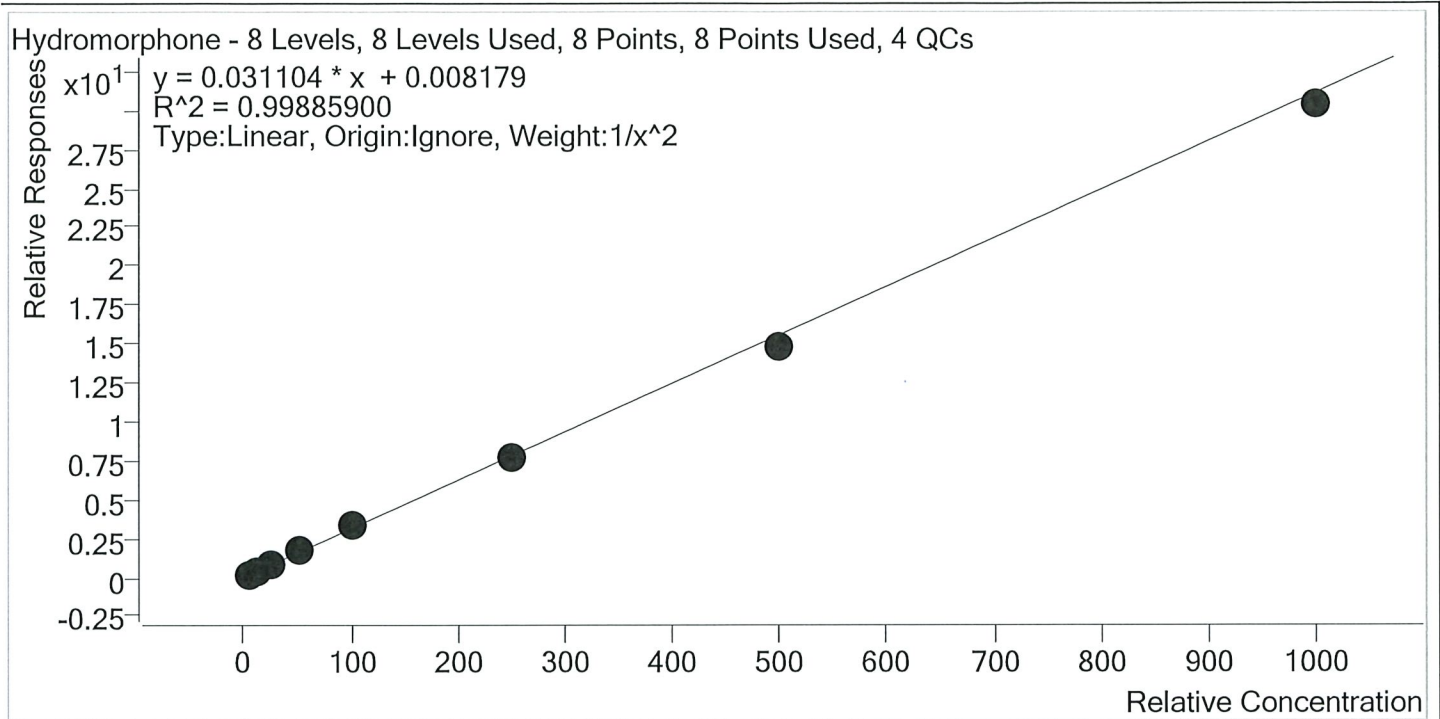
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.3
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.2
p1 Cal 3 -25ng	3	✓	25.0	27.7	111.0
p1 Cal 4-50ng	4	✓	50.0	56.7	113.3
p1 Cal 5-100ng	5	✓	100.0	105.7	105.7
p1 Cal 6-250ng	6	✓	250.0	242.5	97.0
p1 Cal 7-500ng	7	✓	500.0	451.8	90.4
p1 Cal 8-1000ng	8	✓	1000.0	851.1	85.1

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2020 9:19 AM
Analyst Name ISP\datastor
Analyte Hydromorphone **Internal Standard** Hydromorphone-D6



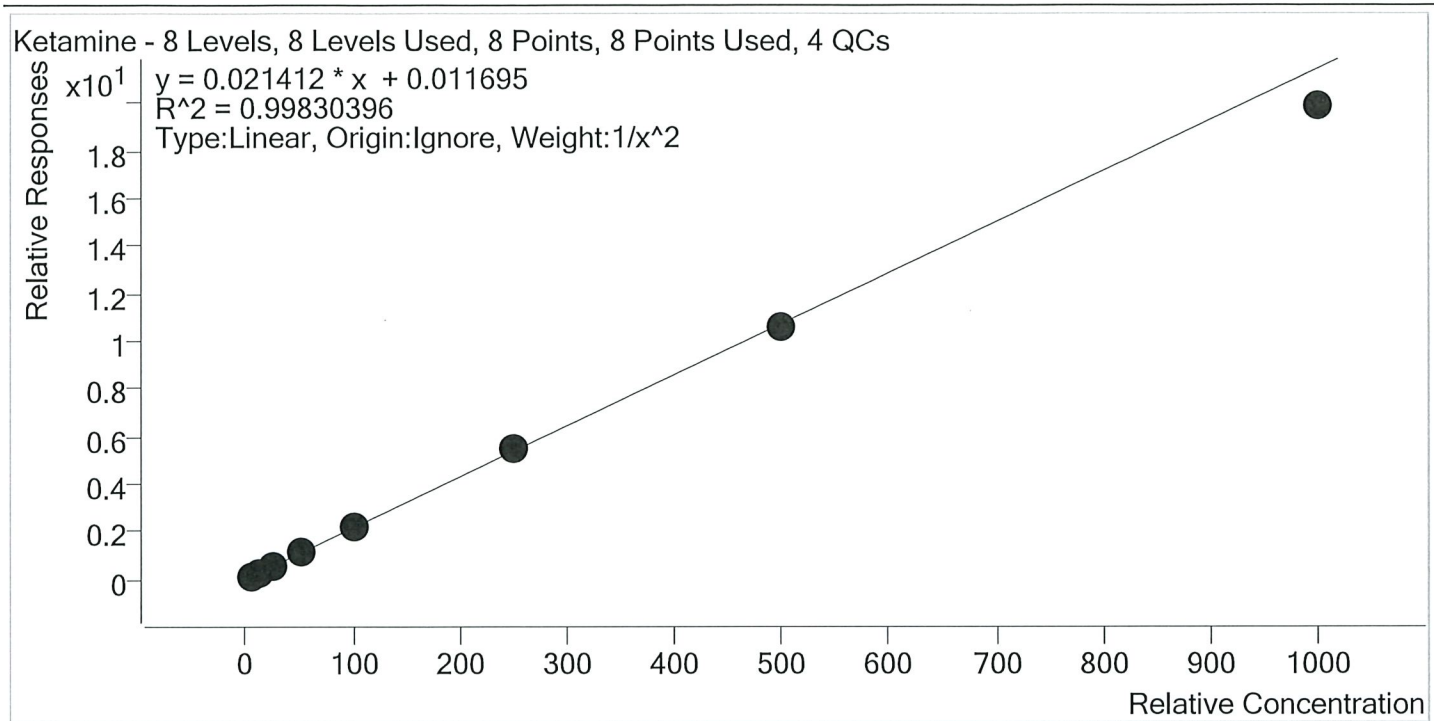
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.2
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.2
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.8
p1 Cal 4-50ng	4	✓	50.0	51.8	103.6
p1 Cal 5-100ng	5	✓	100.0	104.3	104.3
p1 Cal 6-250ng	6	✓	250.0	247.1	98.8
p1 Cal 7-500ng	7	✓	500.0	477.4	95.5
p1 Cal 8-1000ng	8	✓	1000.0	975.6	97.6

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2020 9:19 AM
Analyst Name ISP\datastor
Analyte Ketamine **Internal Standard** Ketamine-D4



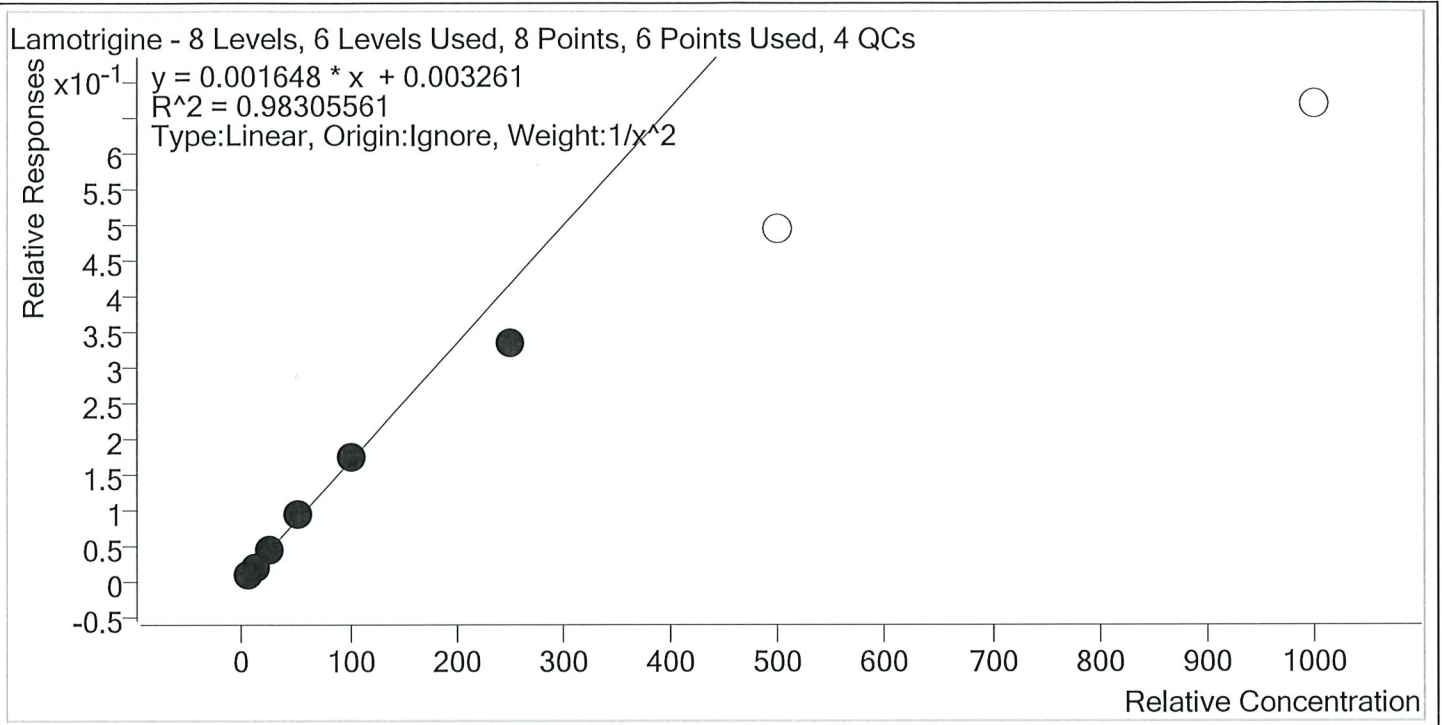
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.8
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.0
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.8
p1 Cal 4-50ng	4	✓	50.0	52.2	104.4
p1 Cal 5-100ng	5	✓	100.0	102.8	102.8
p1 Cal 6-250ng	6	✓	250.0	253.5	101.4
p1 Cal 7-500ng	7	✓	500.0	490.8	98.2
p1 Cal 8-1000ng	8	✓	1000.0	926.5	92.6

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2020 9:19 AM
Analyst Name ISP\datastor
Analyte Lamotrigine **Internal Standard** Ketamine-D4



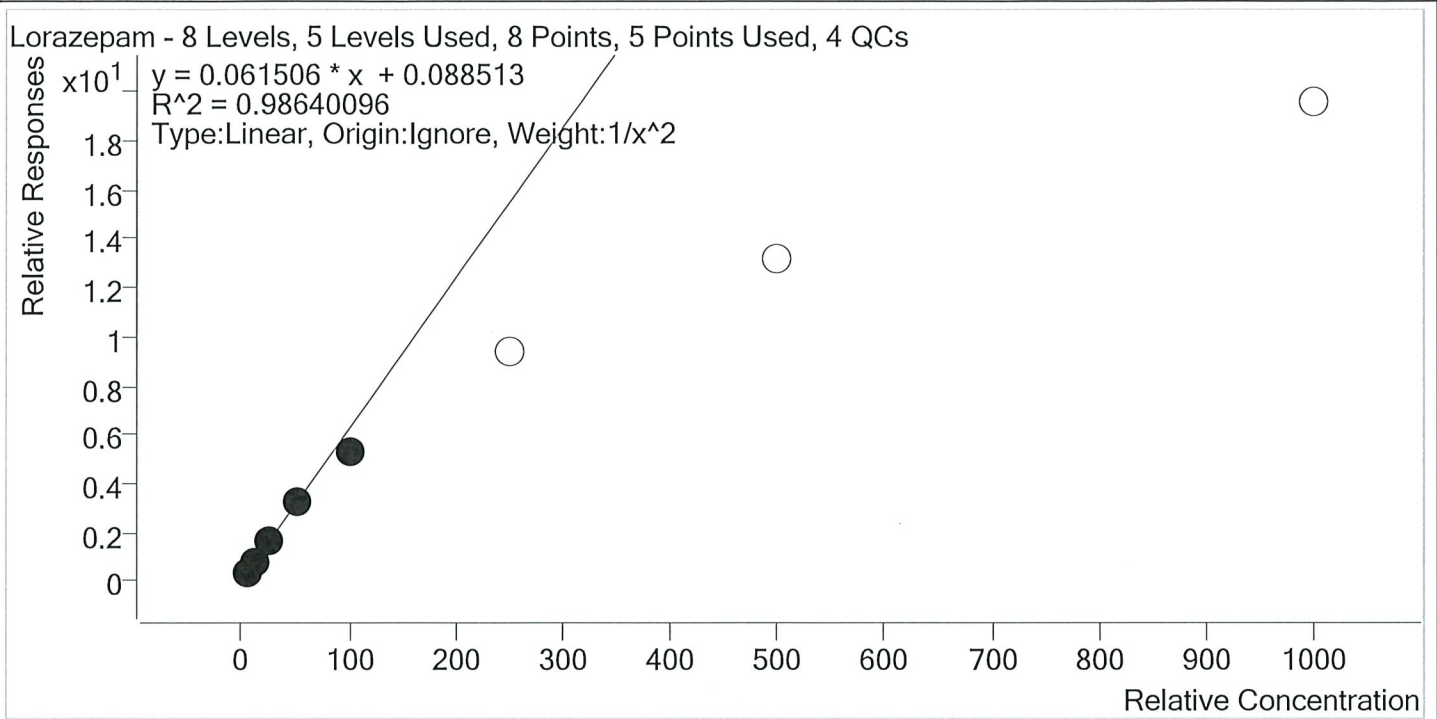
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.9
p1 Cal 2- 10ng	2	✓	10.0	10.4	103.7
p1 Cal 3 -25ng	3	✓	25.0	26.9	107.4
p1 Cal 4-50ng	4	✓	50.0	54.9	109.9
p1 Cal 5-100ng	5	✓	100.0	102.6	102.6
p1 Cal 6-250ng	6	✓	250.0	201.1	80.5
p1 Cal 7-500ng	7	×	500.0	298.7	59.7
p1 Cal 8-1000ng	8	×	1000.0	402.7	40.3

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2020 9:19 AM
Analyst Name ISP\datastor
Analyte Lorazepam **Internal Standard** Clonazepam-D4



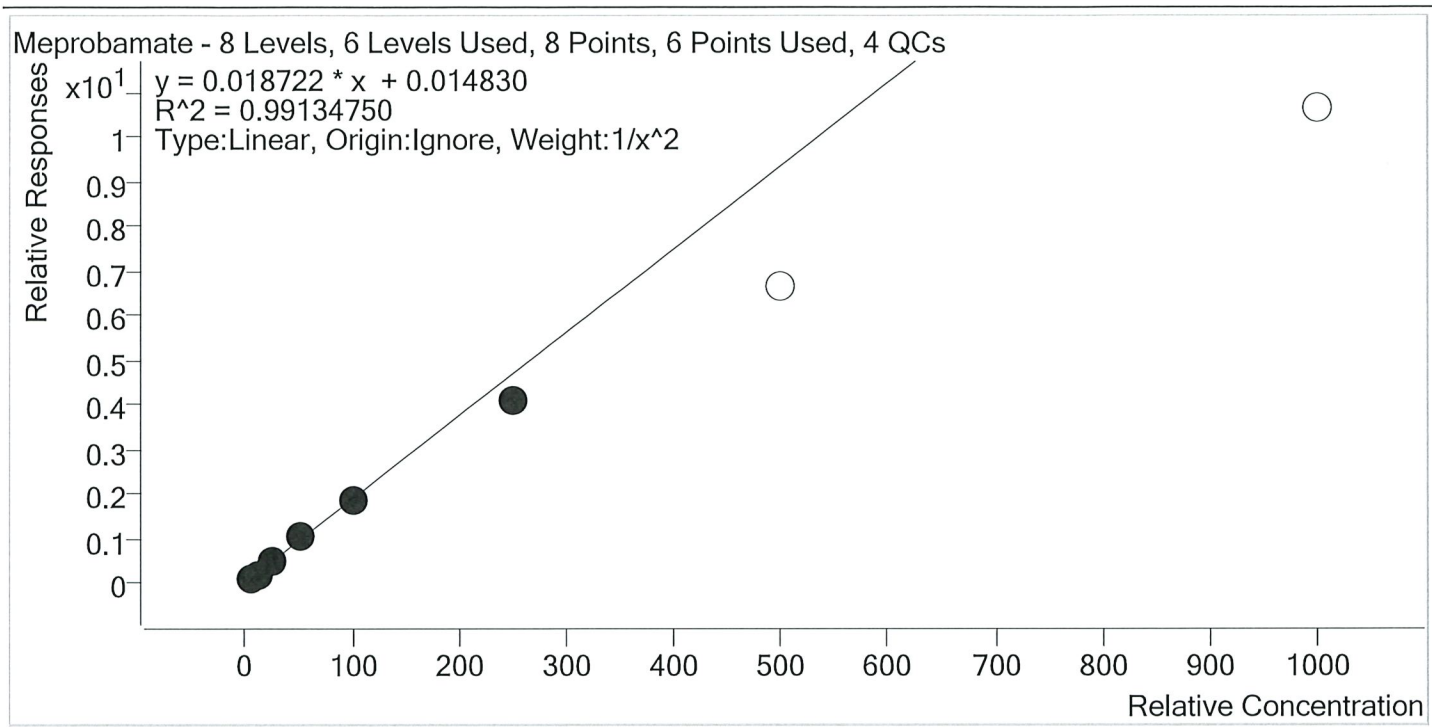
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.5
p1 Cal 2- 10ng	2	✓	10.0	10.7	106.9
p1 Cal 3 -25ng	3	✓	25.0	26.6	106.3
p1 Cal 4-50ng	4	✓	50.0	52.6	105.2
p1 Cal 5-100ng	5	✓	100.0	86.1	86.1
p1 Cal 6-250ng	6	×	250.0	151.4	60.6
p1 Cal 7-500ng	7	×	500.0	212.4	42.5
p1 Cal 8-1000ng	8	×	1000.0	317.0	31.7

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2020 9:19 AM
Analyst Name ISP\datastor
Analyte Meprobamate **Internal Standard** Meprobamate-D7



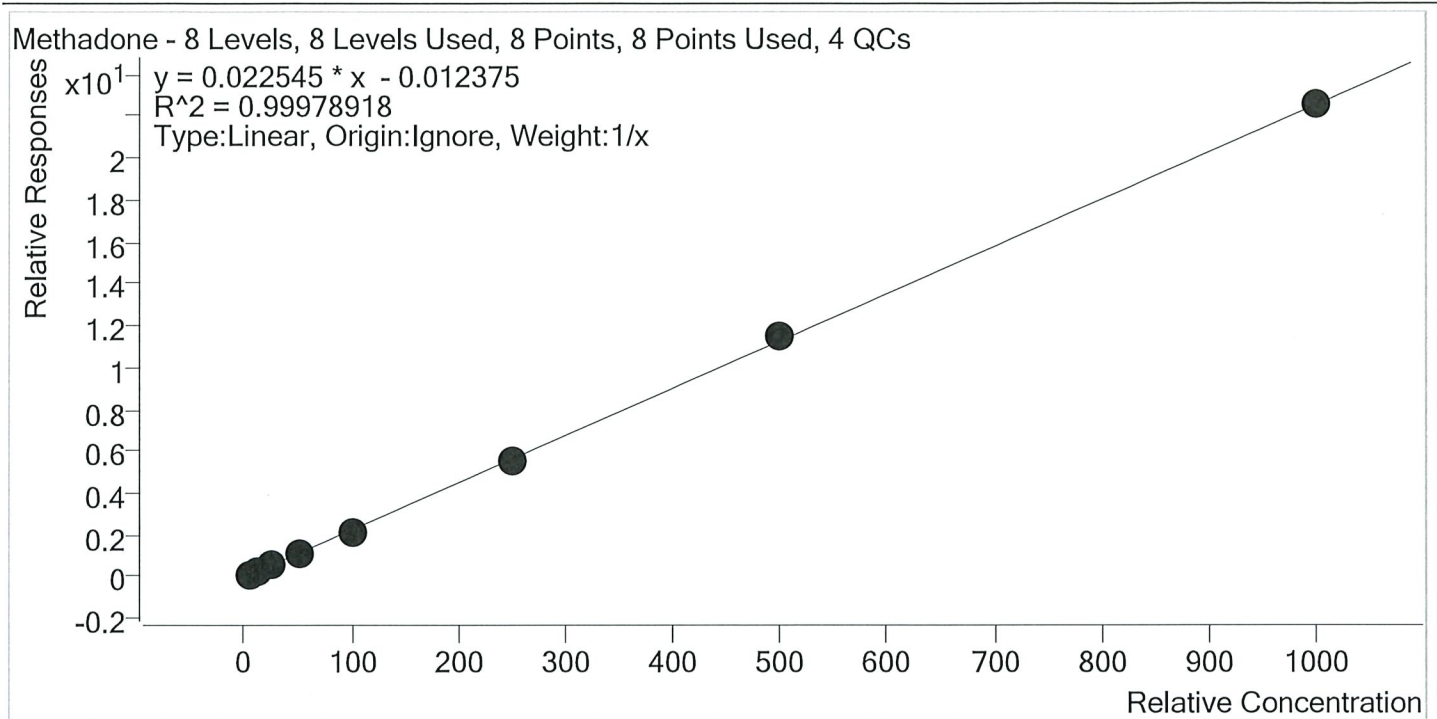
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.1
p1 Cal 2- 10ng	2	✓	10.0	10.5	104.6
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.7
p1 Cal 4-50ng	4	✓	50.0	53.6	107.1
p1 Cal 5-100ng	5	✓	100.0	99.5	99.5
p1 Cal 6-250ng	6	✓	250.0	217.4	87.0
p1 Cal 7-500ng	7	×	500.0	354.4	70.9
p1 Cal 8-1000ng	8	×	1000.0	569.0	56.9

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
 Last Cal. Update 7/16/2020 9:19 AM
 Analyst Name ISP\datastor
 Analyte Methadone Internal Standard Methadone-D9



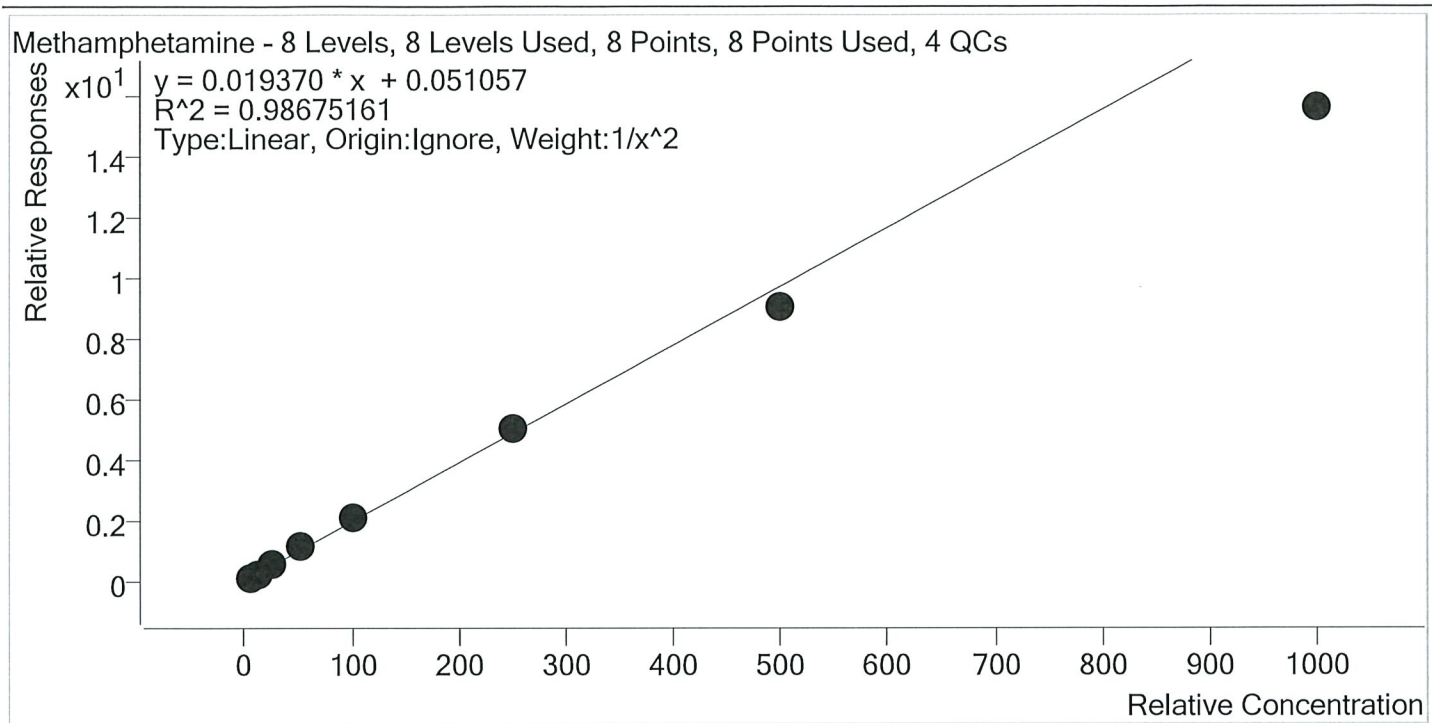
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.4	107.9
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.0
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.3
p1 Cal 4-50ng	4	✓	50.0	49.3	98.7
p1 Cal 5-100ng	5	✓	100.0	97.5	97.5
p1 Cal 6-250ng	6	✓	250.0	244.9	98.0
p1 Cal 7-500ng	7	✓	500.0	508.1	101.6
p1 Cal 8-1000ng	8	✓	1000.0	1000.7	100.1

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2020 9:19 AM
Analyst Name ISP\datastor
Analyte Methamphetamine **Internal Standard** Methamphetamine-D11



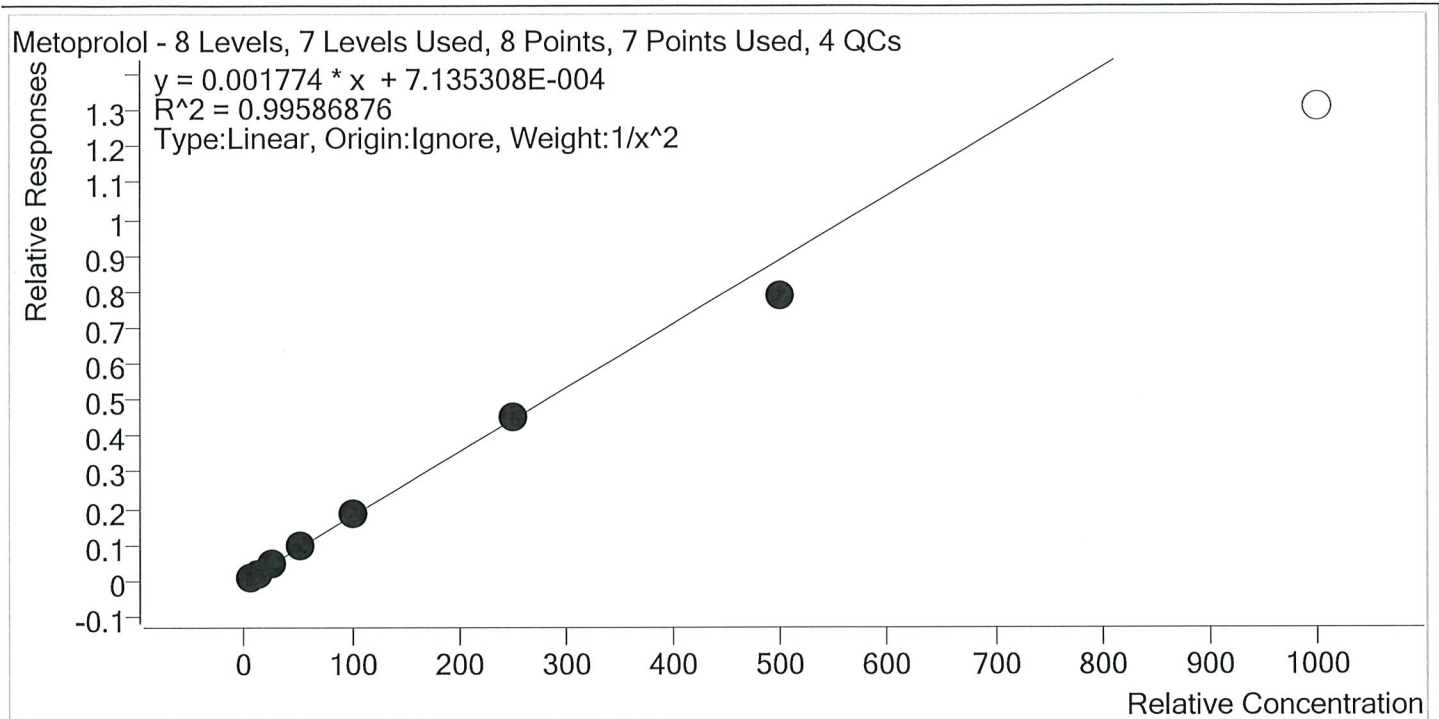
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.7
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.1
p1 Cal 3 -25ng	3	✓	25.0	26.6	106.3
p1 Cal 4-50ng	4	✓	50.0	56.9	113.9
p1 Cal 5-100ng	5	✓	100.0	105.0	105.0
p1 Cal 6-250ng	6	✓	250.0	258.1	103.3
p1 Cal 7-500ng	7	✓	500.0	467.2	93.4
p1 Cal 8-1000ng	8	✓	1000.0	803.8	80.4

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2020 9:19 AM
Analyst Name ISP\datastor
Analyte Metoprolol **Internal Standard** Tramadol-13C-D3



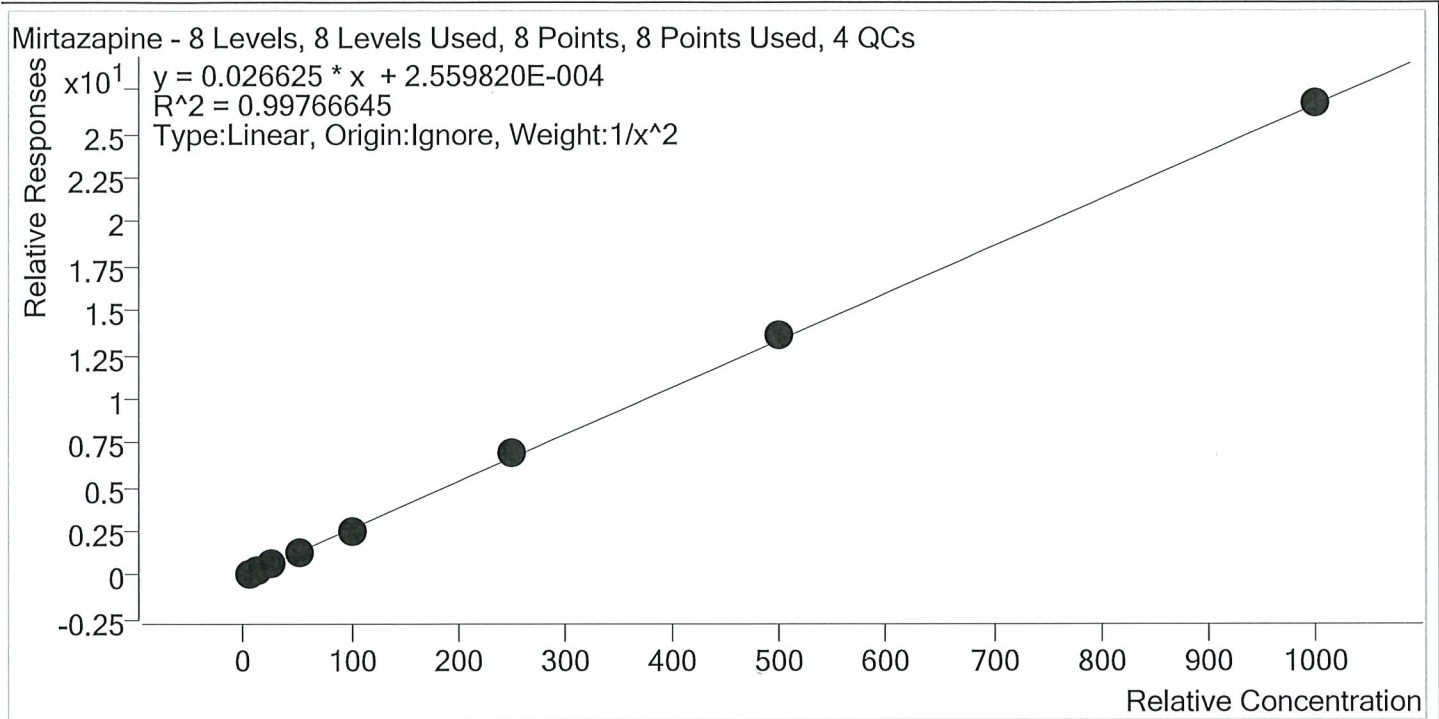
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.5
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.2
p1 Cal 3 -25ng	3	✓	25.0	25.2	101.0
p1 Cal 4-50ng	4	✓	50.0	53.1	106.3
p1 Cal 5-100ng	5	✓	100.0	104.0	104.0
p1 Cal 6-250ng	6	✓	250.0	252.6	101.0
p1 Cal 7-500ng	7	✓	500.0	445.3	89.1
p1 Cal 8-1000ng	8	×	1000.0	738.1	73.8

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
 Last Cal. Update 7/16/2020 9:19 AM
 Analyst Name ISP\datastor
 Analyte Mirtazapine Internal Standard alpha-PVP-d8



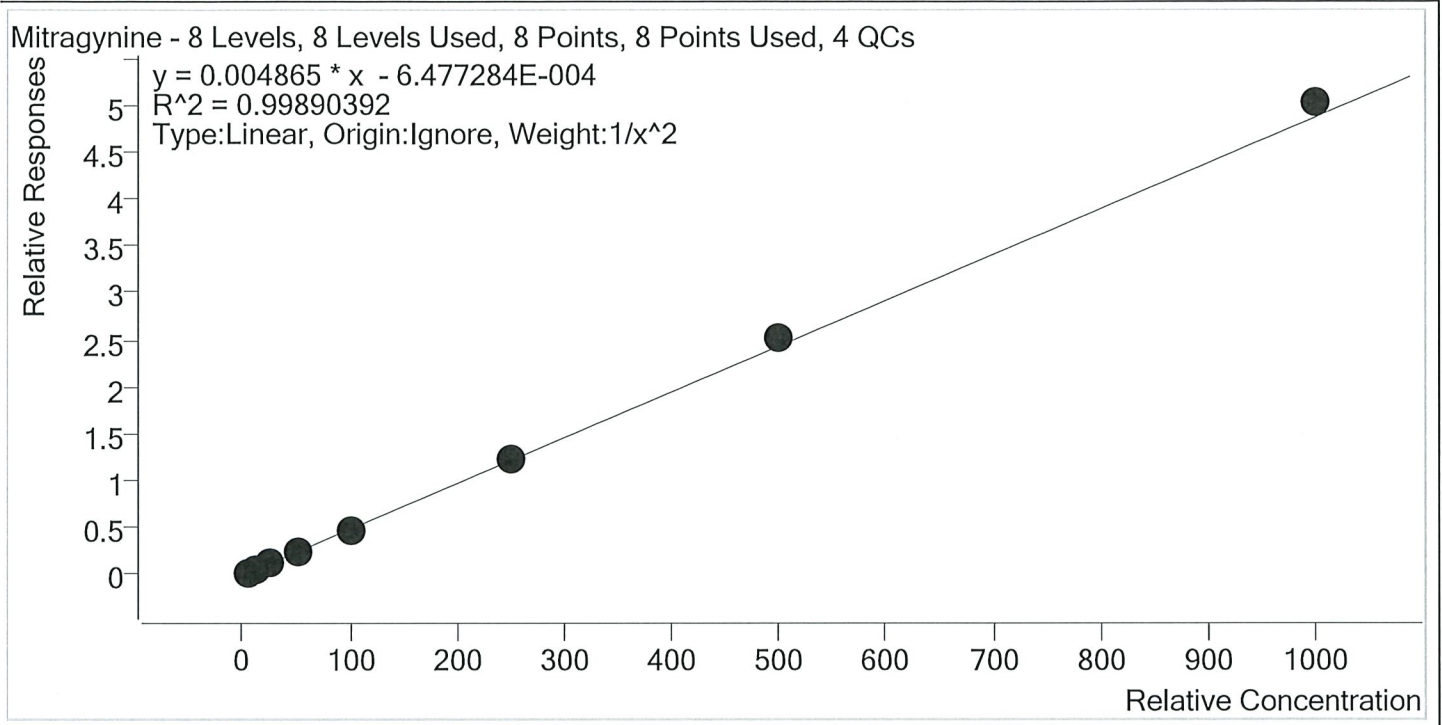
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.3
p1 Cal 2- 10ng	2	✓	10.0	10.6	105.8
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.8
p1 Cal 4-50ng	4	✓	50.0	50.3	100.7
p1 Cal 5-100ng	5	✓	100.0	93.8	93.8
p1 Cal 6-250ng	6	✓	250.0	259.7	103.9
p1 Cal 7-500ng	7	✓	500.0	512.3	102.5
p1 Cal 8-1000ng	8	✓	1000.0	1003.2	100.3

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2020 9:19 AM
Analyst Name ISP\datastor
Analyte Mitragynine **Internal Standard** Methadone-D9



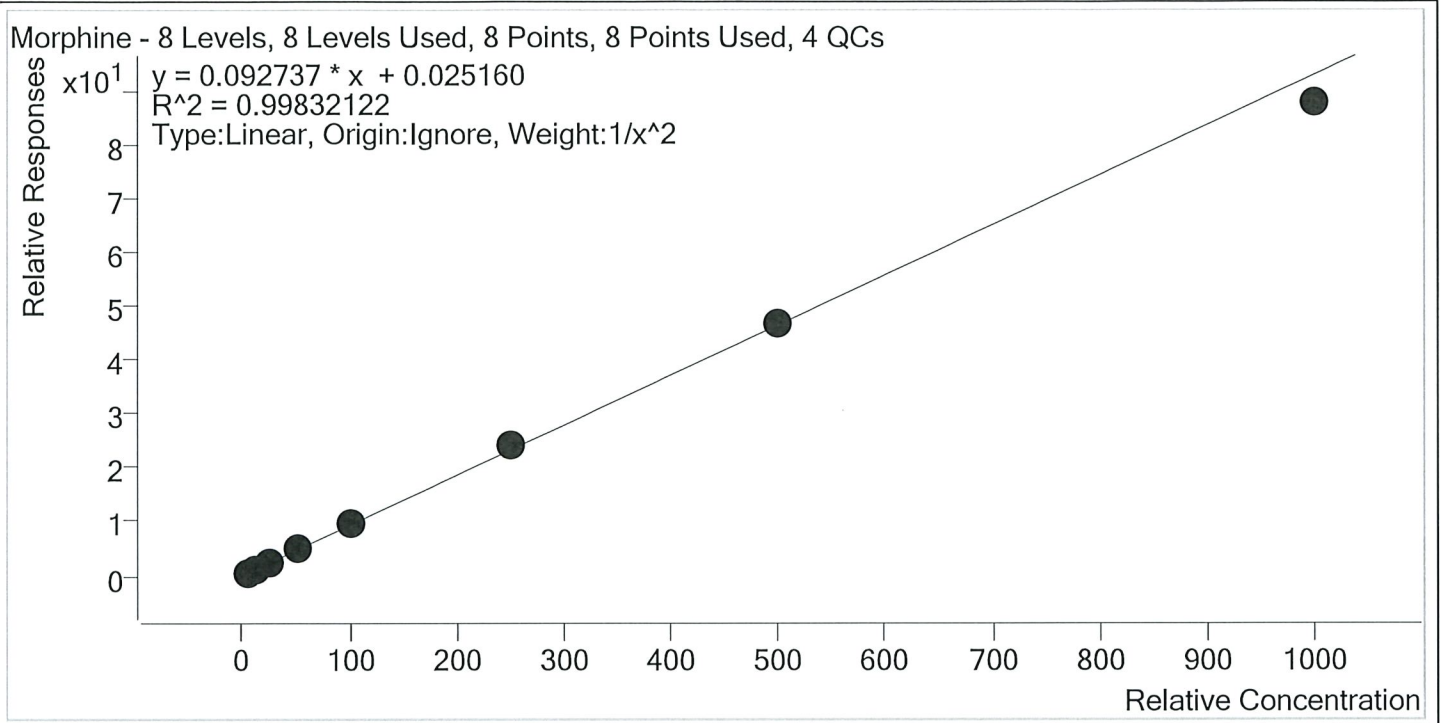
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.9
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.0
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.7
p1 Cal 4-50ng	4	✓	50.0	49.0	97.9
p1 Cal 5-100ng	5	✓	100.0	95.0	95.0
p1 Cal 6-250ng	6	✓	250.0	250.0	100.0
p1 Cal 7-500ng	7	✓	500.0	520.5	104.1
p1 Cal 8-1000ng	8	✓	1000.0	1032.3	103.2

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
 Last Cal. Update 7/16/2020 9:19 AM
 Analyst Name ISP\datastor
 Analyte Morphine Internal Standard Morphine-D6



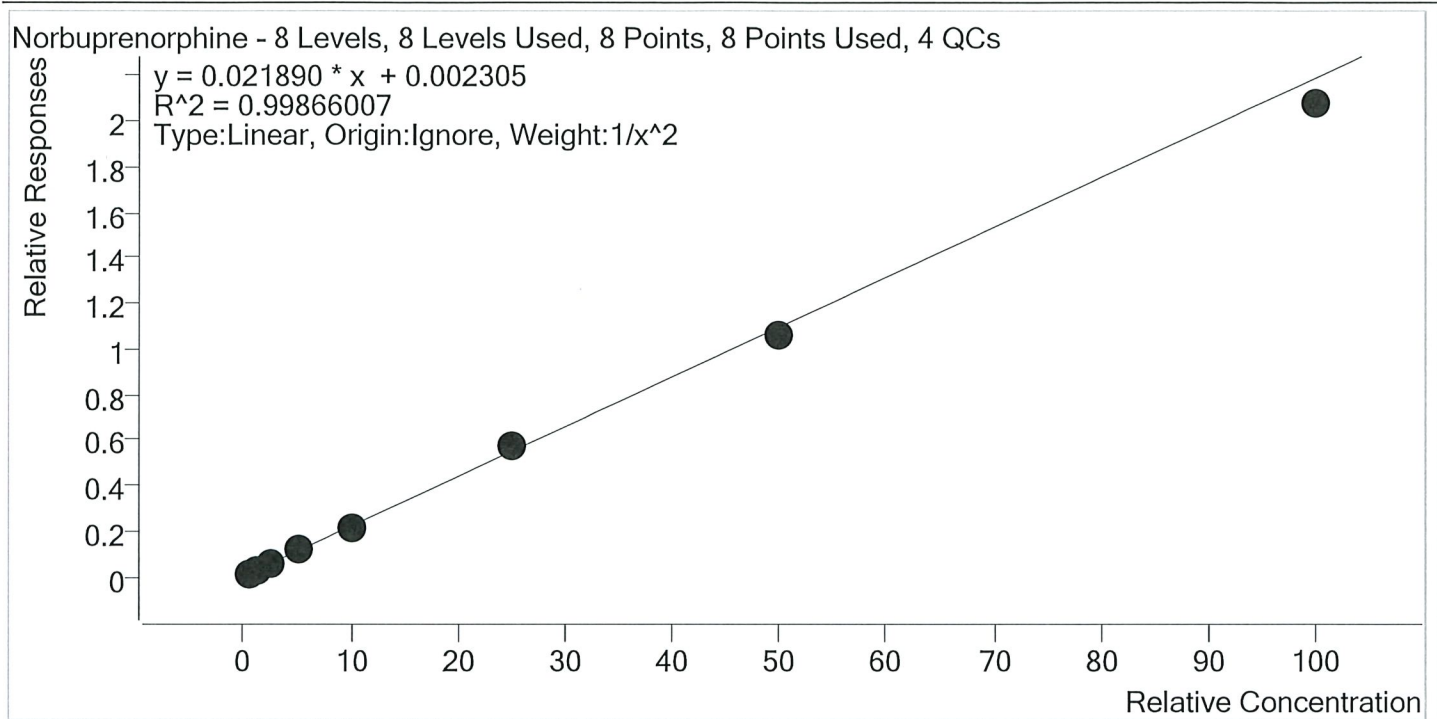
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.7
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.2
p1 Cal 3 -25ng	3	✓	25.0	23.9	95.6
p1 Cal 4-50ng	4	✓	50.0	52.5	105.0
p1 Cal 5-100ng	5	✓	100.0	101.0	101.0
p1 Cal 6-250ng	6	✓	250.0	258.1	103.2
p1 Cal 7-500ng	7	✓	500.0	504.2	100.8
p1 Cal 8-1000ng	8	✓	1000.0	944.3	94.4

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
 Last Cal. Update 7/16/2020 9:19 AM
 Analyst Name ISP\datastor
 Analyte Norbuprenorphine Internal Standard Norbuprenorphine-D3



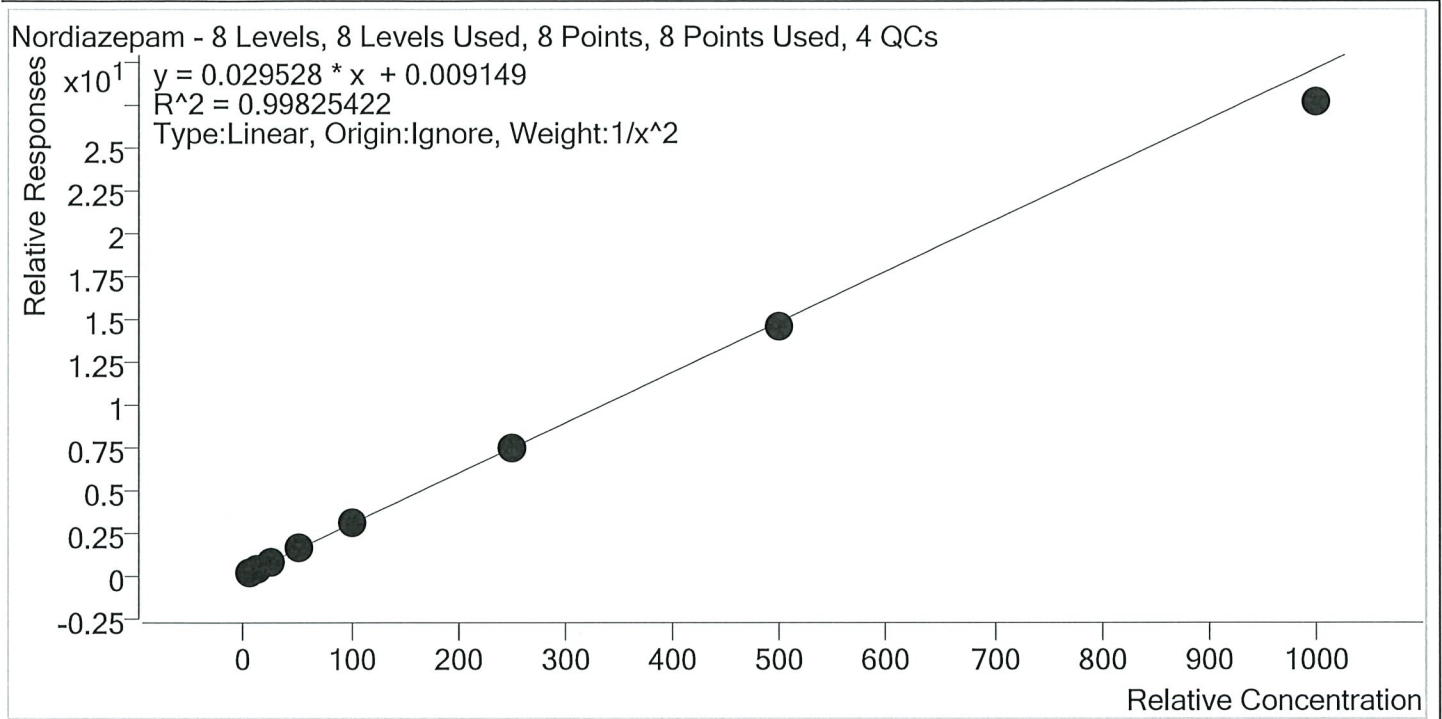
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	100.1
p1 Cal 2- 10ng	2	✓	1.0	1.0	97.9
p1 Cal 3 -25ng	3	✓	2.5	2.6	103.6
p1 Cal 4-50ng	4	✓	5.0	5.1	102.2
p1 Cal 5-100ng	5	✓	10.0	10.0	100.5
p1 Cal 6-250ng	6	✓	25.0	25.9	103.7
p1 Cal 7-500ng	7	✓	50.0	48.6	97.2
p1 Cal 8-1000ng	8	✓	100.0	94.9	94.9

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
 Last Cal. Update 7/16/2020 9:19 AM
 Analyst Name ISP\datastor
 Analyte Nordiazepam Internal Standard Nordiazepam-D5



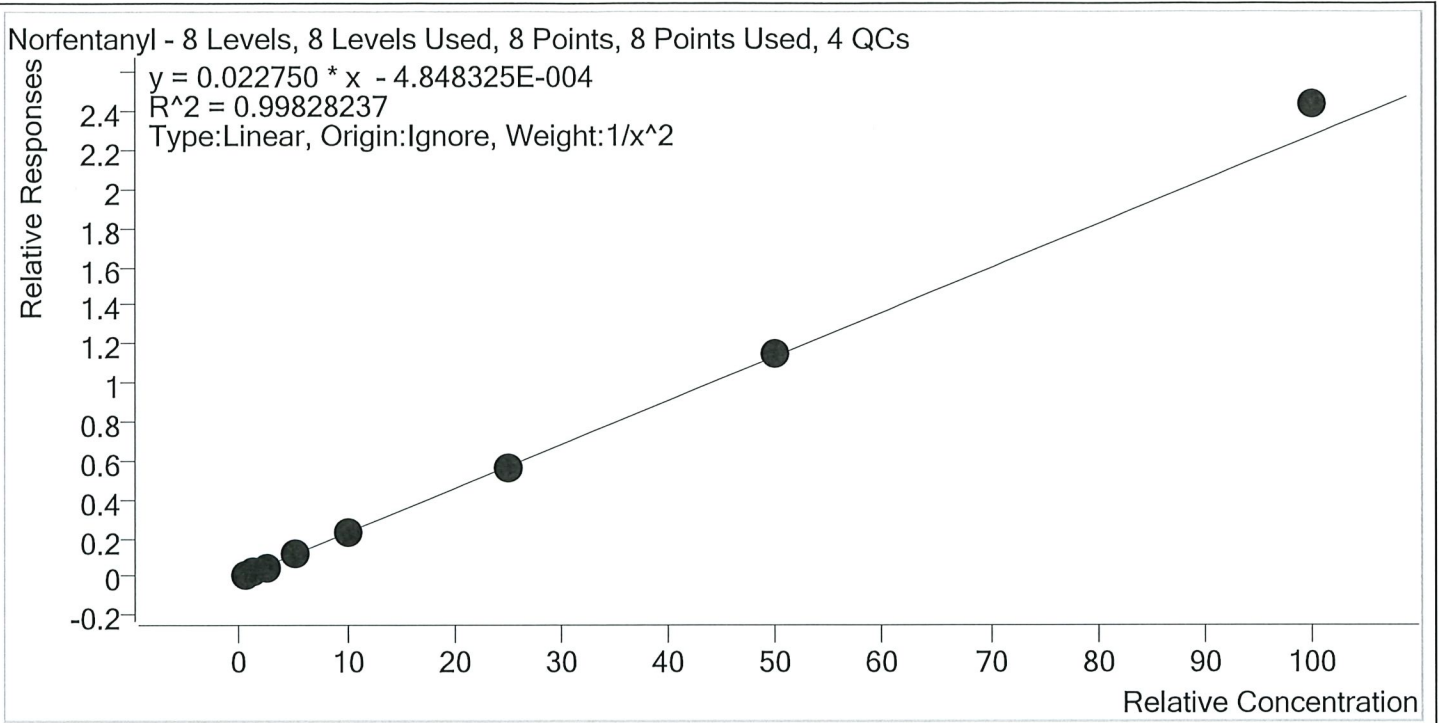
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.7
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.2
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.3
p1 Cal 4-50ng	4	✓	50.0	52.5	105.1
p1 Cal 5-100ng	5	✓	100.0	103.7	103.7
p1 Cal 6-250ng	6	✓	250.0	249.8	99.9
p1 Cal 7-500ng	7	✓	500.0	488.4	97.7
p1 Cal 8-1000ng	8	✓	1000.0	933.7	93.4

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2020 9:19 AM
Analyst Name ISP\datastor
Analyte Norfentanyl **Internal Standard** Norfentanyl-D5



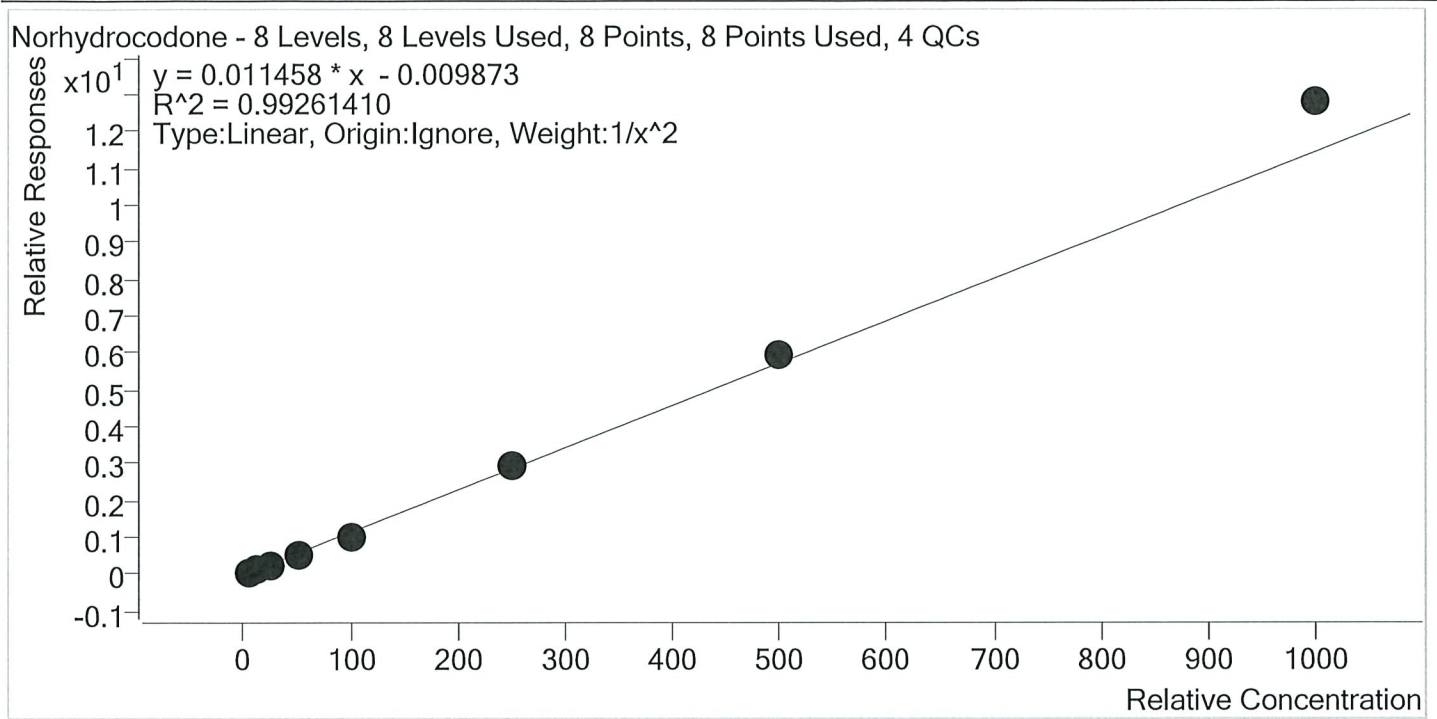
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	102.2
p1 Cal 2- 10ng	2	✓	1.0	1.0	97.9
p1 Cal 3 -25ng	3	✓	2.5	2.4	95.6
p1 Cal 4-50ng	4	✓	5.0	4.9	98.0
p1 Cal 5-100ng	5	✓	10.0	9.8	98.0
p1 Cal 6-250ng	6	✓	25.0	24.9	99.5
p1 Cal 7-500ng	7	✓	50.0	50.9	101.8
p1 Cal 8-1000ng	8	✓	100.0	107.1	107.1

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
 Last Cal. Update 7/16/2020 9:19 AM
 Analyst Name ISP\datastor
 Analyte Norhydrocodone Internal Standard Norhydrocodone-D3



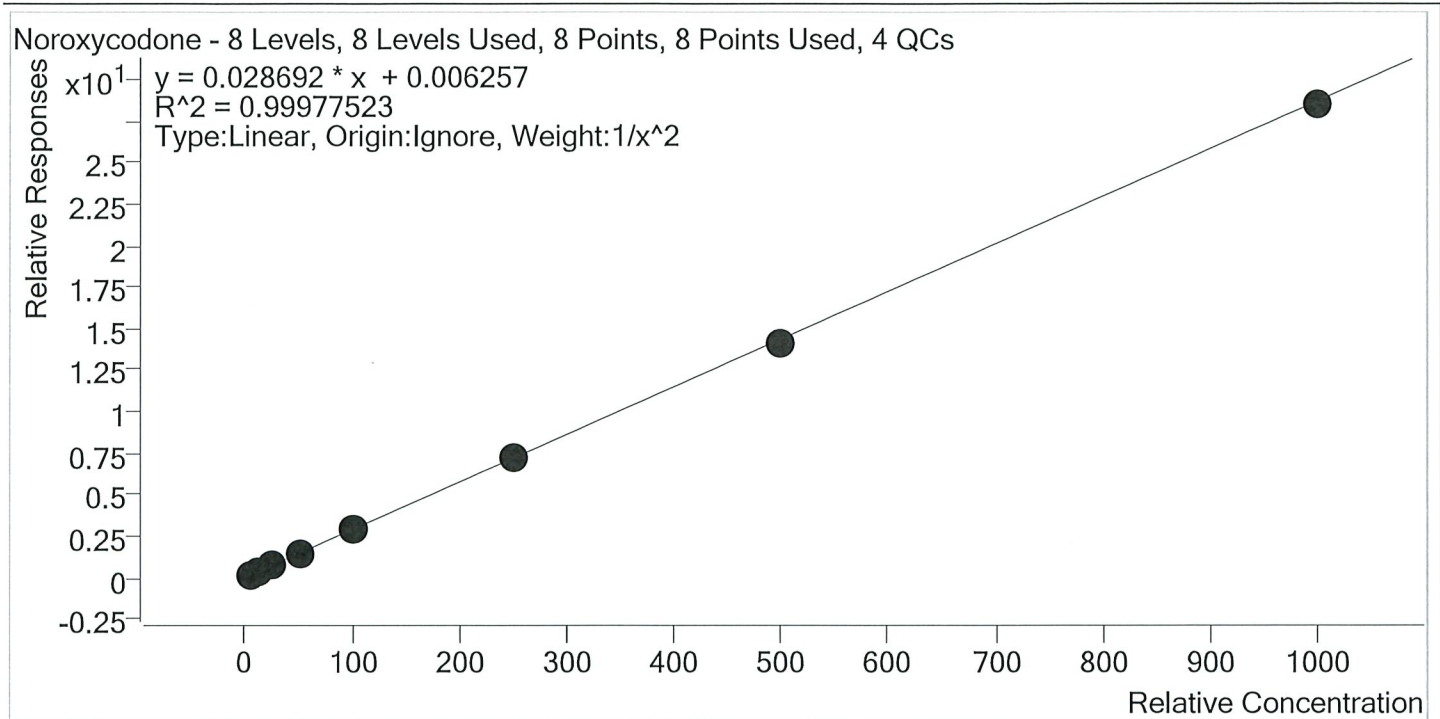
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	104.5
p1 Cal 2- 10ng	2	✓	10.0	9.6	95.8
p1 Cal 3 -25ng	3	✓	25.0	22.3	89.1
p1 Cal 4-50ng	4	✓	50.0	50.0	100.0
p1 Cal 5-100ng	5	✓	100.0	91.8	91.8
p1 Cal 6-250ng	6	✓	250.0	256.2	102.5
p1 Cal 7-500ng	7	✓	500.0	522.2	104.4
p1 Cal 8-1000ng	8	✓	1000.0	1118.6	111.9

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2020 9:19 AM
Analyst Name ISP\datastor
Analyte Noroxycodone **Internal Standard** Noroxycodone-D3



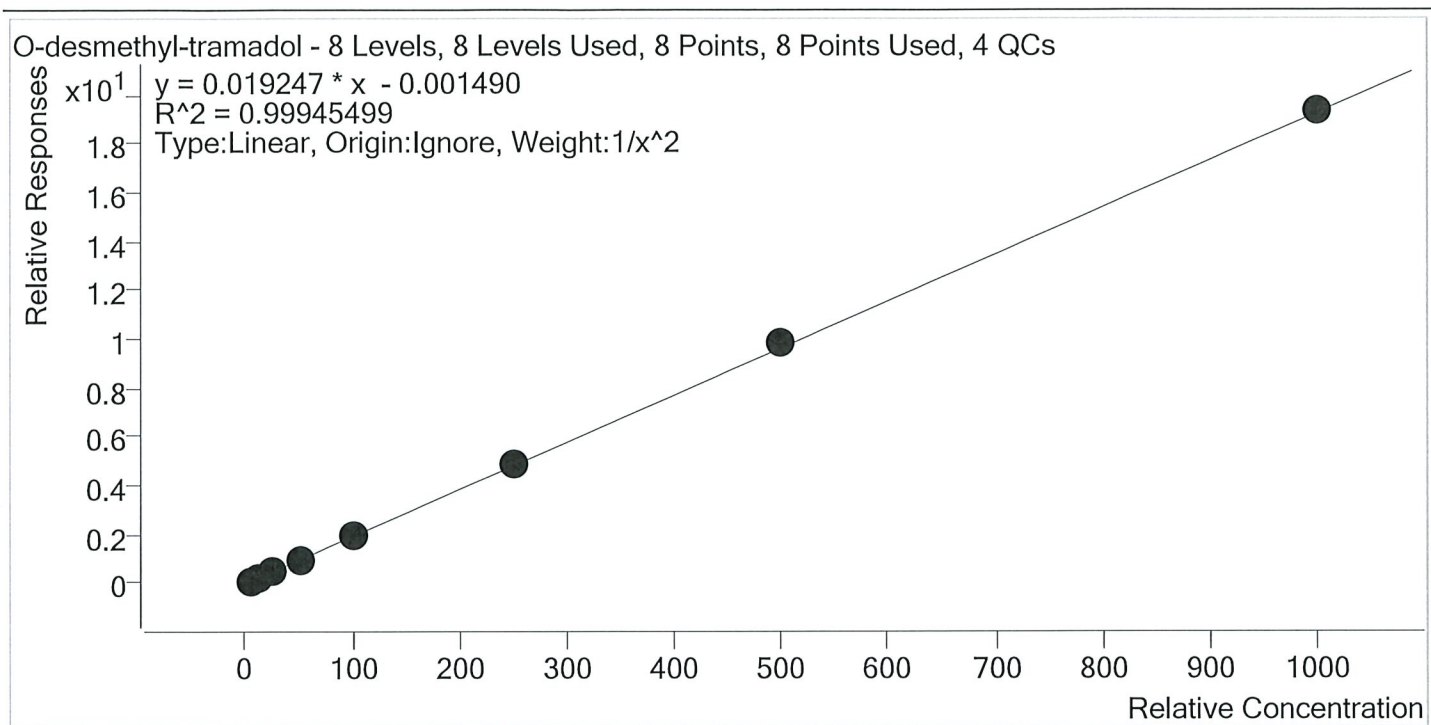
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.1
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.6
p1 Cal 3 -25ng	3	✓	25.0	24.7	98.9
p1 Cal 4-50ng	4	✓	50.0	51.3	102.6
p1 Cal 5-100ng	5	✓	100.0	101.1	101.1
p1 Cal 6-250ng	6	✓	250.0	249.2	99.7
p1 Cal 7-500ng	7	✓	500.0	493.2	98.6
p1 Cal 8-1000ng	8	✓	1000.0	992.4	99.2

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2020 9:19 AM
Analyst Name ISP\datastor
Analyte O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6



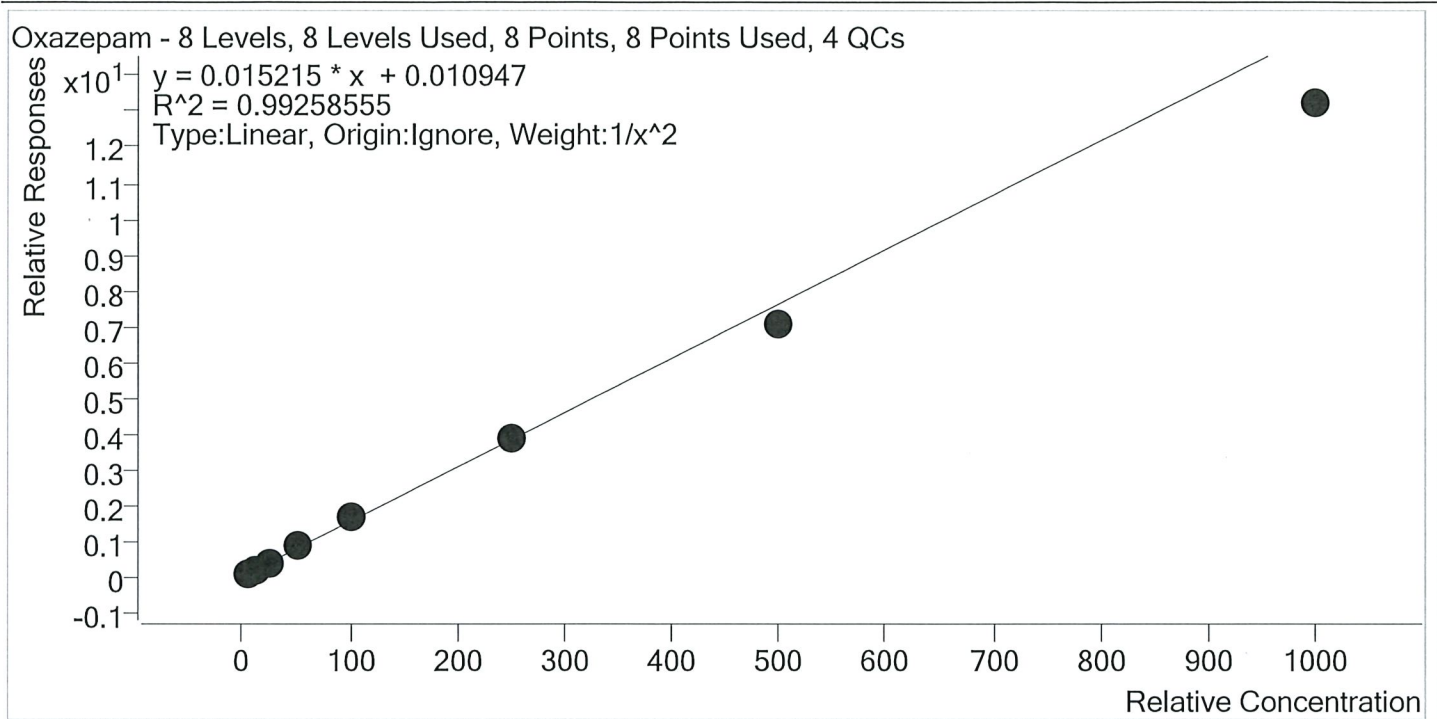
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.3
p1 Cal 2- 10ng	2	✓	10.0	9.9	98.9
p1 Cal 3 -25ng	3	✓	25.0	24.0	96.0
p1 Cal 4-50ng	4	✓	50.0	49.9	99.9
p1 Cal 5-100ng	5	✓	100.0	99.2	99.2
p1 Cal 6-250ng	6	✓	250.0	254.1	101.7
p1 Cal 7-500ng	7	✓	500.0	512.7	102.5
p1 Cal 8-1000ng	8	✓	1000.0	1004.6	100.5

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
 Last Cal. Update 7/16/2020 9:19 AM
 Analyst Name ISP\datastor
 Analyte Oxazepam Internal Standard Oxazepam-D5



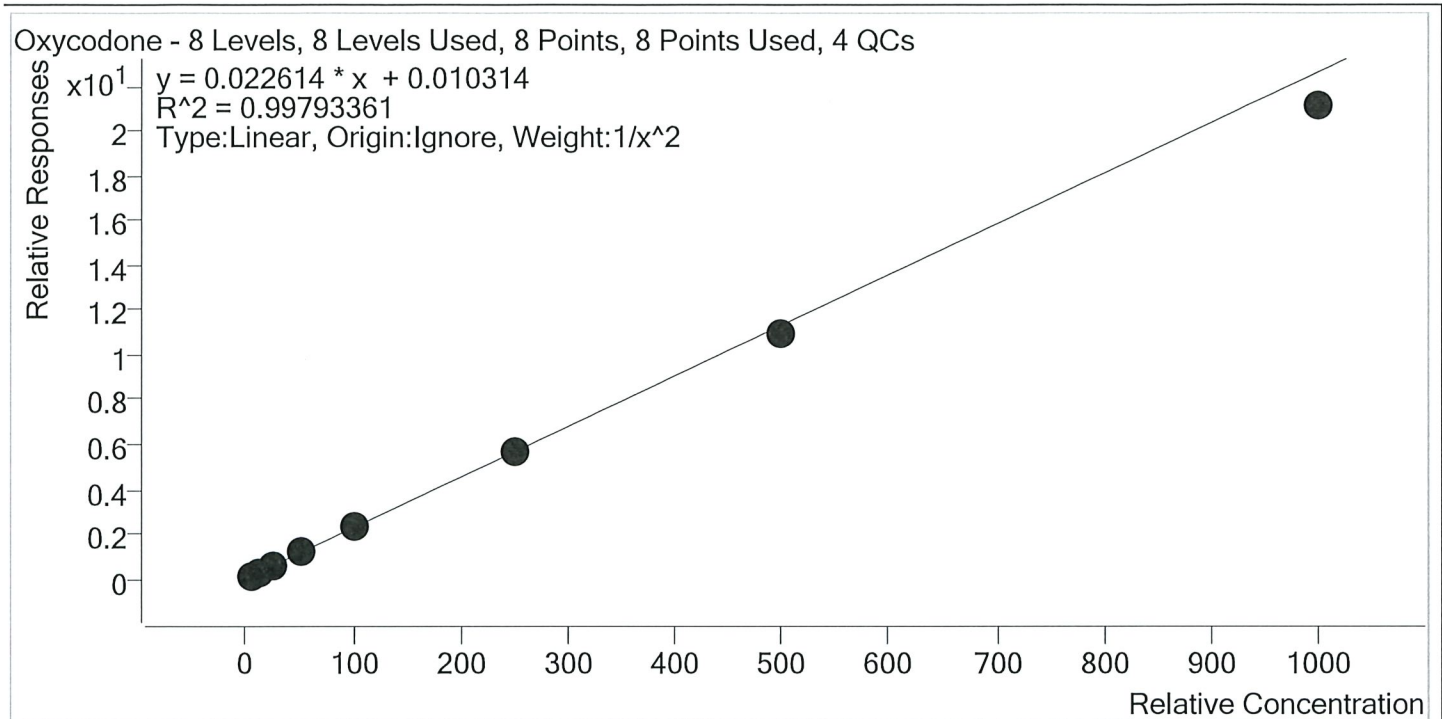
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.6
p1 Cal 2- 10ng	2	✓	10.0	10.3	103.1
p1 Cal 3 -25ng	3	✓	25.0	26.0	103.8
p1 Cal 4-50ng	4	✓	50.0	54.3	108.7
p1 Cal 5-100ng	5	✓	100.0	107.2	107.2
p1 Cal 6-250ng	6	✓	250.0	253.1	101.2
p1 Cal 7-500ng	7	✓	500.0	462.3	92.5
p1 Cal 8-1000ng	8	✓	1000.0	868.9	86.9

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2020 9:19 AM
Analyst Name ISP\datastor
Analyte Oxycodone **Internal Standard** Oxycodone-D6



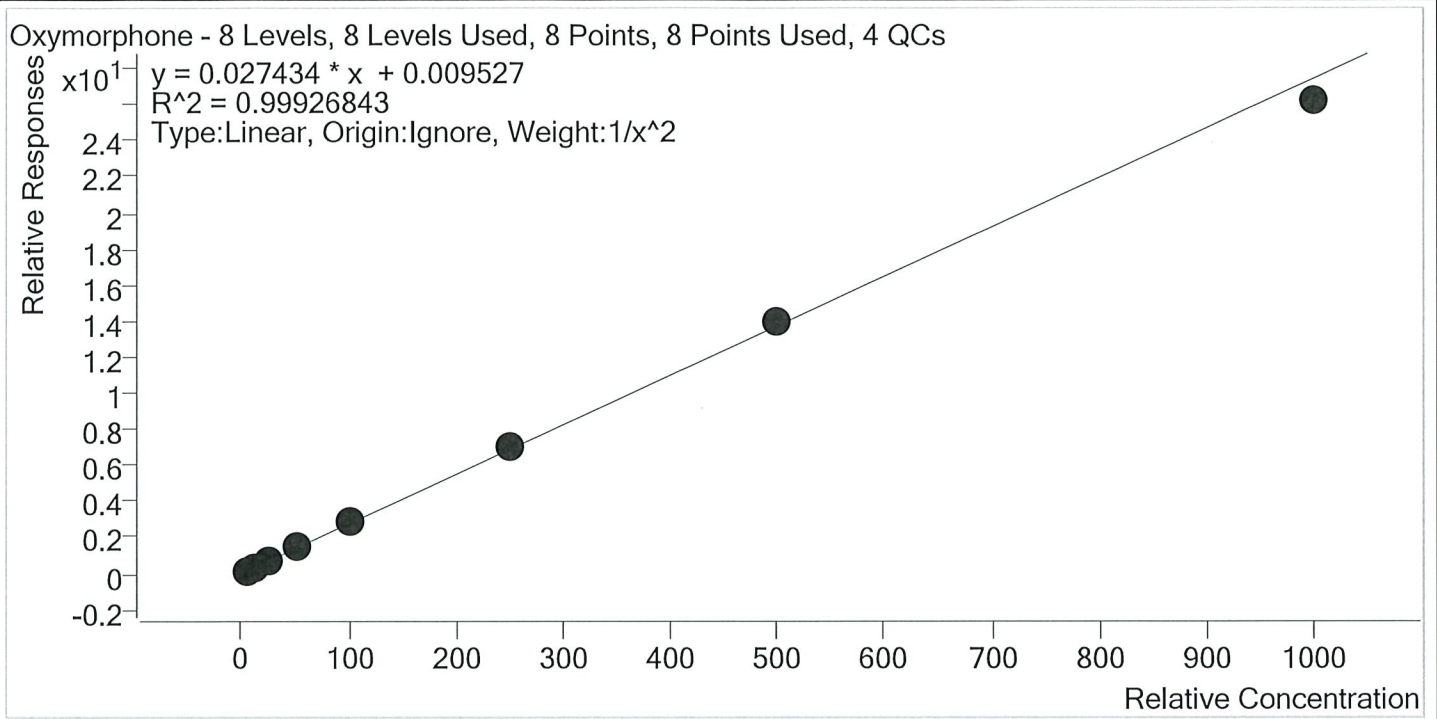
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.7
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.9
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.8
p1 Cal 4-50ng	4	✓	50.0	53.2	106.4
p1 Cal 5-100ng	5	✓	100.0	103.0	103.0
p1 Cal 6-250ng	6	✓	250.0	251.0	100.4
p1 Cal 7-500ng	7	✓	500.0	482.9	96.6
p1 Cal 8-1000ng	8	✓	1000.0	933.2	93.3

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2020 9:19 AM
Analyst Name ISP\datastor
Analyte Oxymorphone **Internal Standard** Oxymorphone-D3



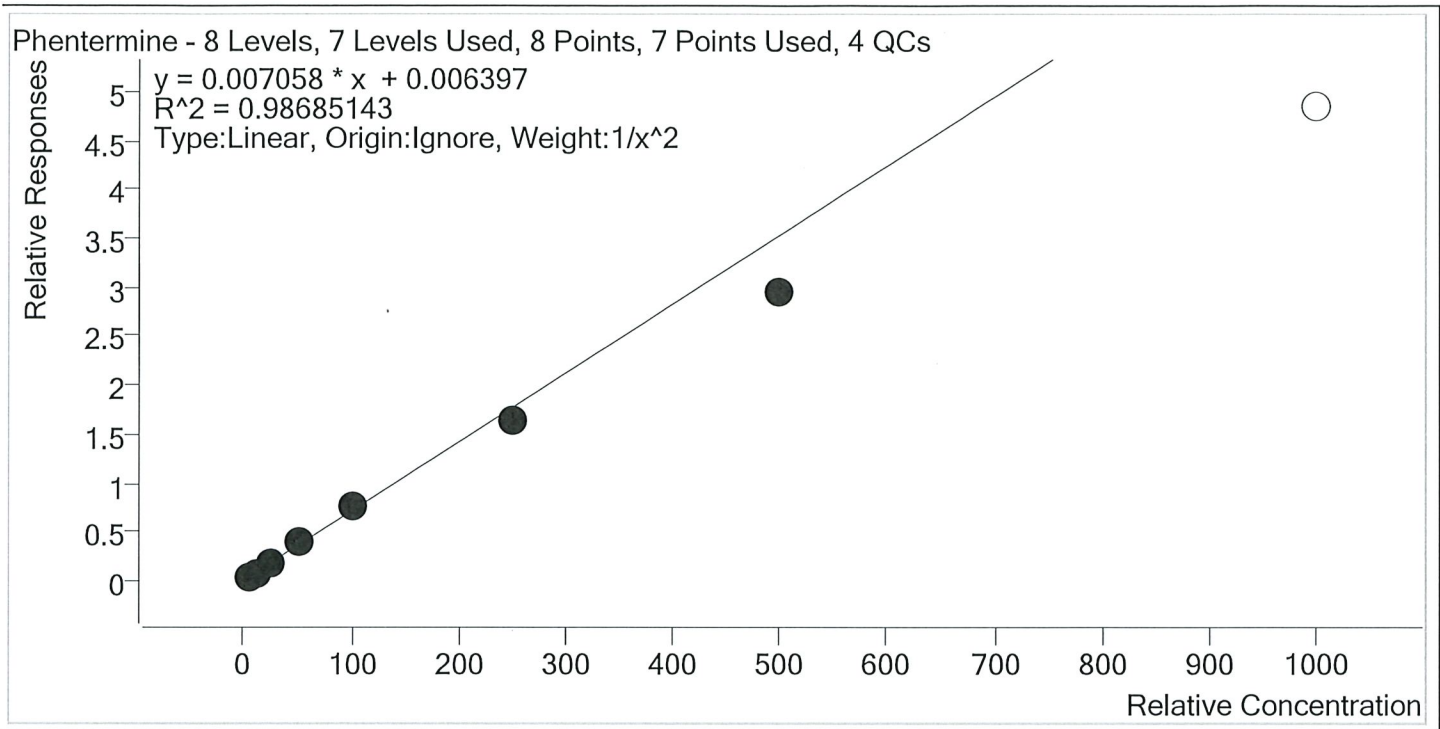
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.3
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.8
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.5
p1 Cal 4-50ng	4	✓	50.0	51.1	102.2
p1 Cal 5-100ng	5	✓	100.0	101.5	101.5
p1 Cal 6-250ng	6	✓	250.0	253.8	101.5
p1 Cal 7-500ng	7	✓	500.0	508.0	101.6
p1 Cal 8-1000ng	8	✓	1000.0	955.1	95.5

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2020 9:19 AM
Analyst Name ISP\datastor
Analyte Phentermine **Internal Standard** Phentermine-D5



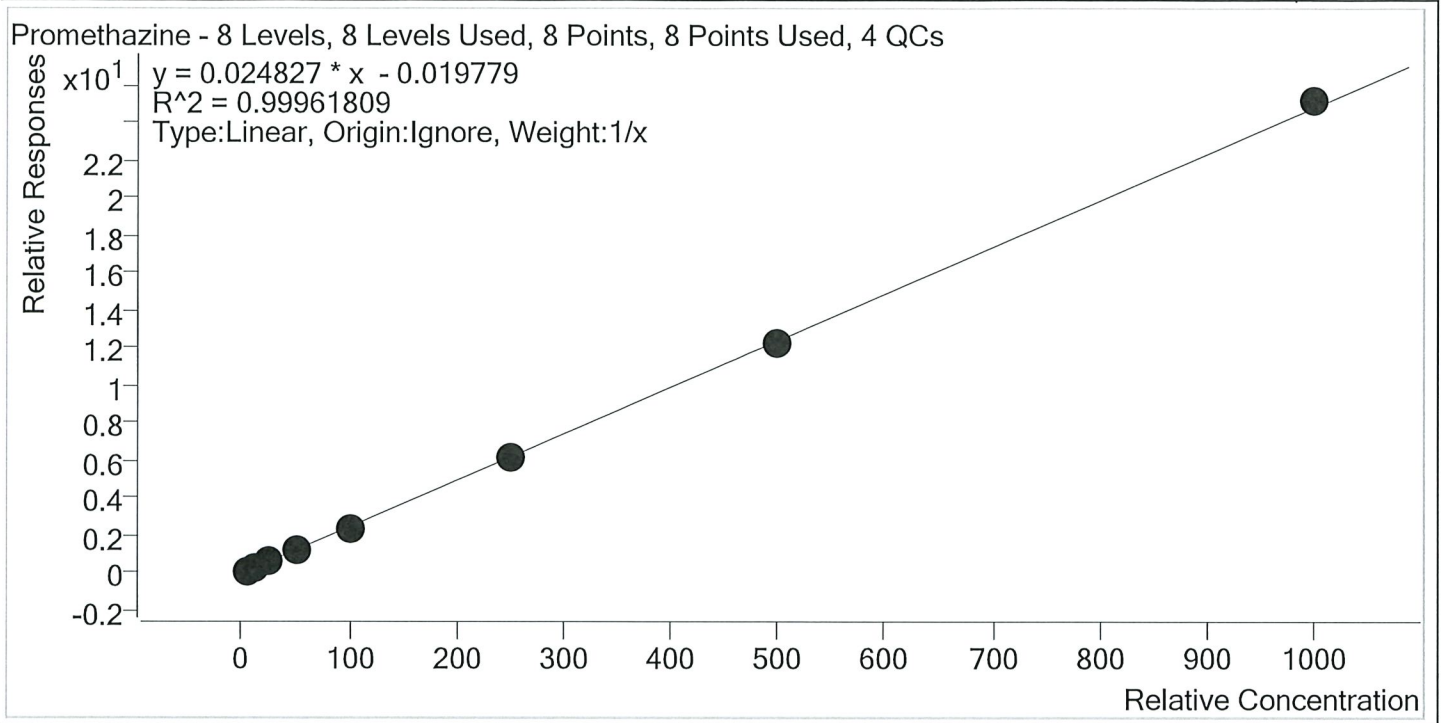
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.1
p1 Cal 2- 10ng	2	✓	10.0	10.3	102.9
p1 Cal 3 -25ng	3	✓	25.0	26.6	106.3
p1 Cal 4-50ng	4	✓	50.0	56.0	111.9
p1 Cal 5-100ng	5	✓	100.0	106.8	106.8
p1 Cal 6-250ng	6	✓	250.0	230.2	92.1
p1 Cal 7-500ng	7	✓	500.0	419.8	84.0
p1 Cal 8-1000ng	8	×	1000.0	686.2	68.6

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
 Last Cal. Update 7/16/2020 9:19 AM
 Analyst Name ISP\datastor
 Analyte Promethazine Internal Standard Promethazine-D3



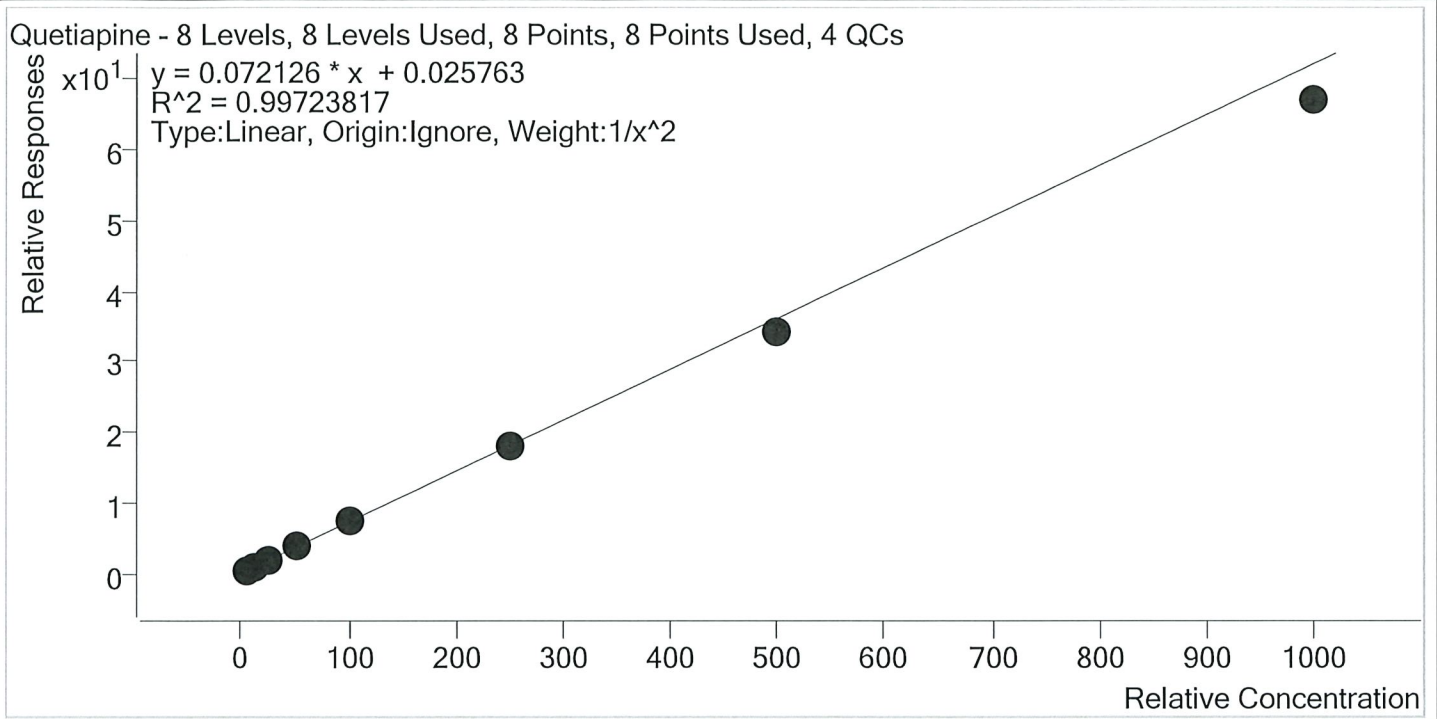
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.6	111.4
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.2
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.3
p1 Cal 4-50ng	4	✓	50.0	48.1	96.1
p1 Cal 5-100ng	5	✓	100.0	95.7	95.7
p1 Cal 6-250ng	6	✓	250.0	246.4	98.6
p1 Cal 7-500ng	7	✓	500.0	495.8	99.2
p1 Cal 8-1000ng	8	✓	1000.0	1014.4	101.4

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2020 9:19 AM
Analyst Name ISP\datastor
Analyte Quetiapine **Internal Standard** Quetiapine-D8



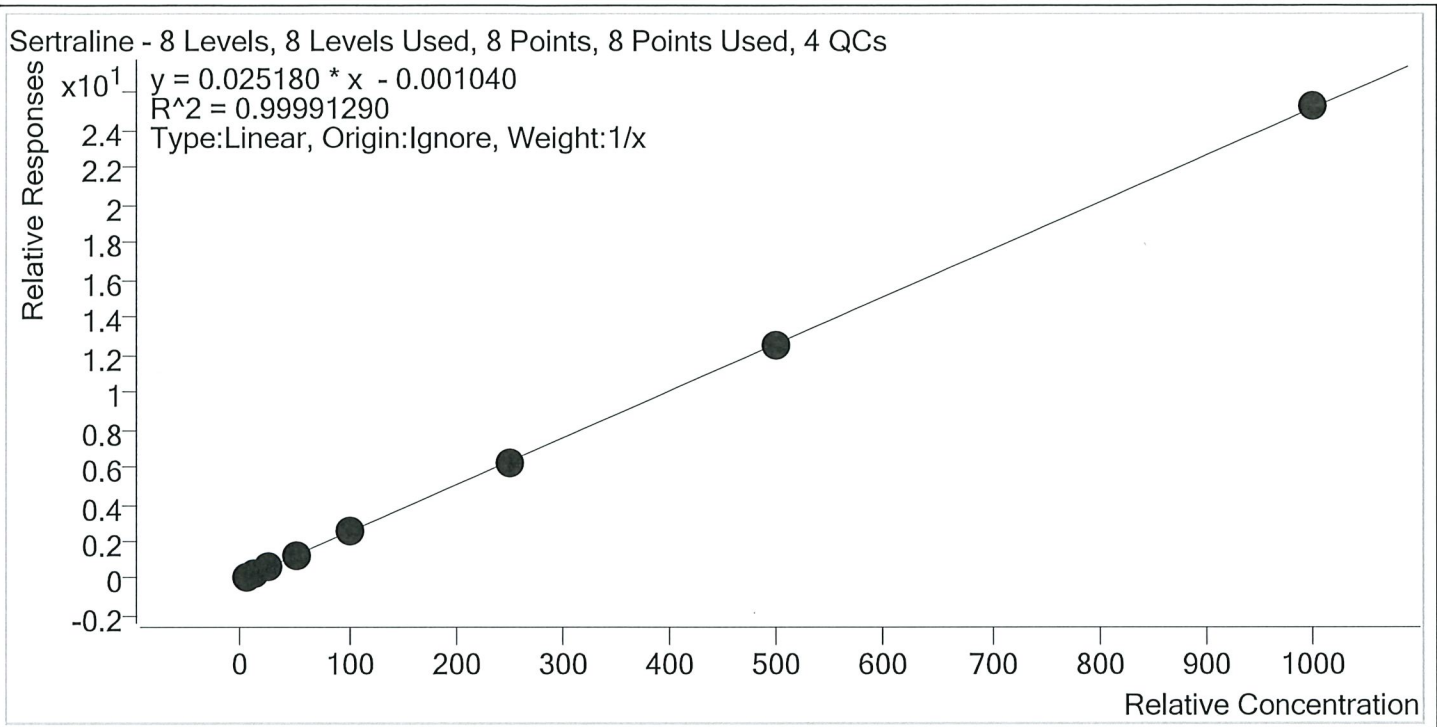
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.5
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.3
p1 Cal 3 -25ng	3	✓	25.0	25.7	102.6
p1 Cal 4-50ng	4	✓	50.0	53.7	107.4
p1 Cal 5-100ng	5	✓	100.0	103.2	103.2
p1 Cal 6-250ng	6	✓	250.0	249.3	99.7
p1 Cal 7-500ng	7	✓	500.0	477.1	95.4
p1 Cal 8-1000ng	8	✓	1000.0	928.5	92.8

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
 Last Cal. Update 7/16/2020 9:19 AM
 Analyst Name ISP\datastor
 Analyte Sertraline Internal Standard Sertraline-D3



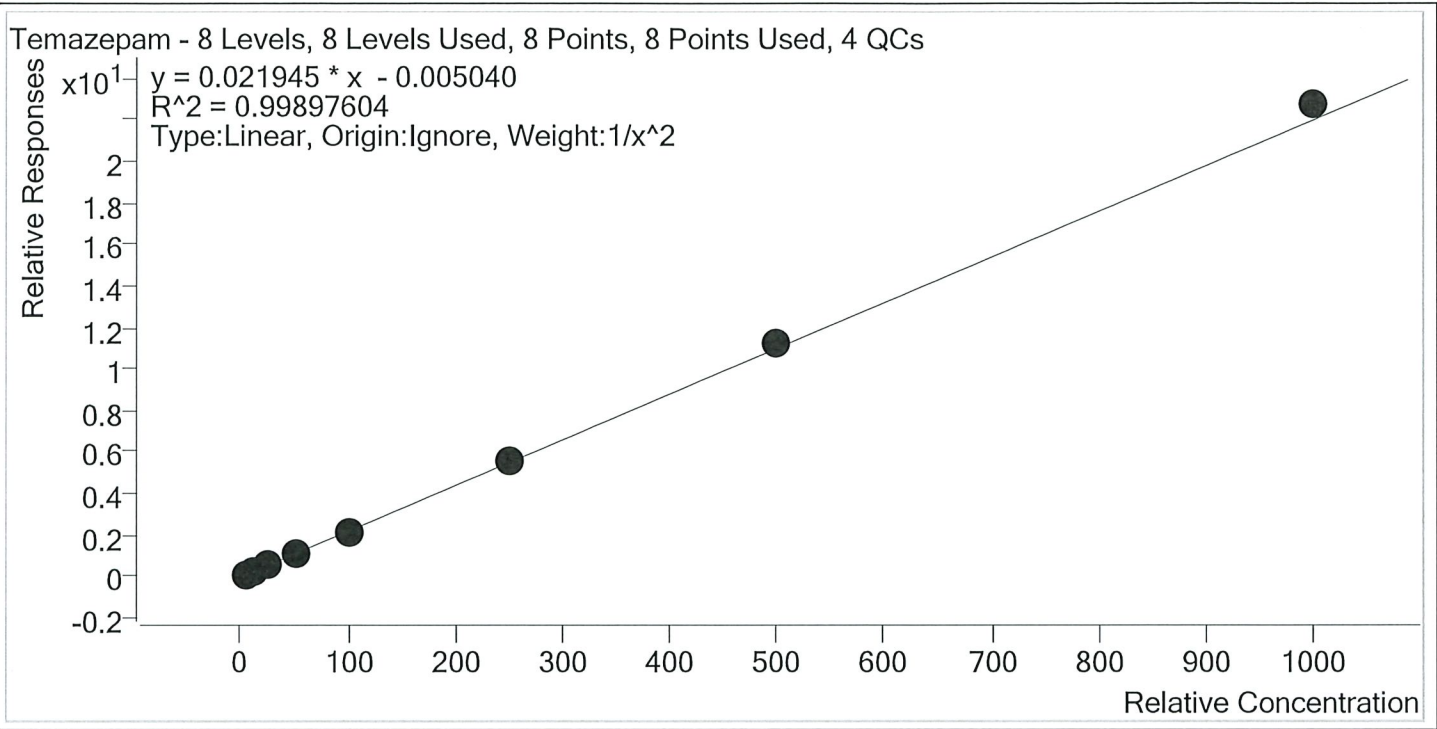
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.5
p1 Cal 2- 10ng	2	✓	10.0	9.8	98.4
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.1
p1 Cal 4-50ng	4	✓	50.0	51.0	102.1
p1 Cal 5-100ng	5	✓	100.0	101.6	101.6
p1 Cal 6-250ng	6	✓	250.0	250.2	100.1
p1 Cal 7-500ng	7	✓	500.0	494.1	98.8
p1 Cal 8-1000ng	8	✓	1000.0	1003.8	100.4

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
 Last Cal. Update 7/16/2020 9:19 AM
 Analyst Name ISP\datastor
 Analyte Temazepam Internal Standard Temazepam-D5



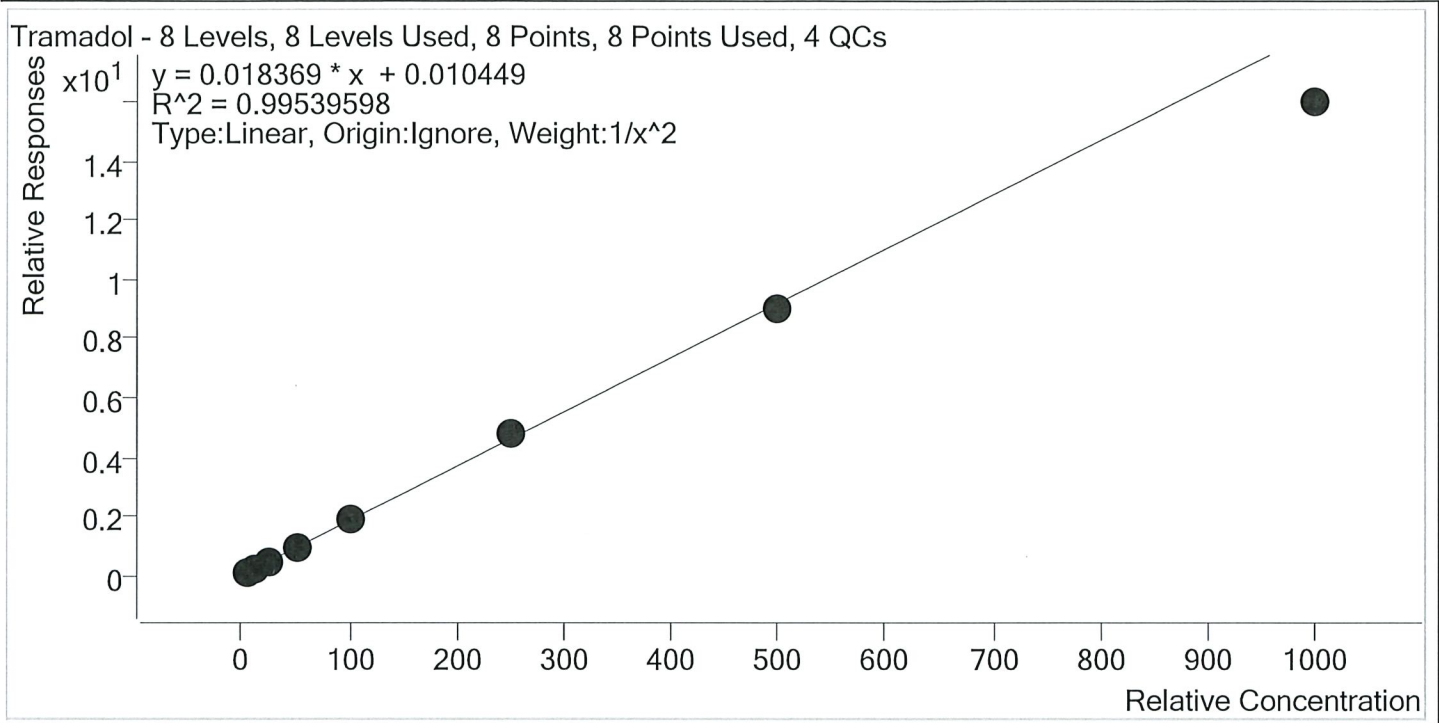
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.2
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.8
p1 Cal 3 -25ng	3	✓	25.0	23.8	95.1
p1 Cal 4-50ng	4	✓	50.0	49.6	99.2
p1 Cal 5-100ng	5	✓	100.0	97.2	97.2
p1 Cal 6-250ng	6	✓	250.0	254.6	101.8
p1 Cal 7-500ng	7	✓	500.0	510.8	102.2
p1 Cal 8-1000ng	8	✓	1000.0	1034.5	103.4

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
 Last Cal. Update 7/16/2020 9:19 AM
 Analyst Name ISP\datastor
 Analyte Tramadol Internal Standard Tramadol-13C-D3



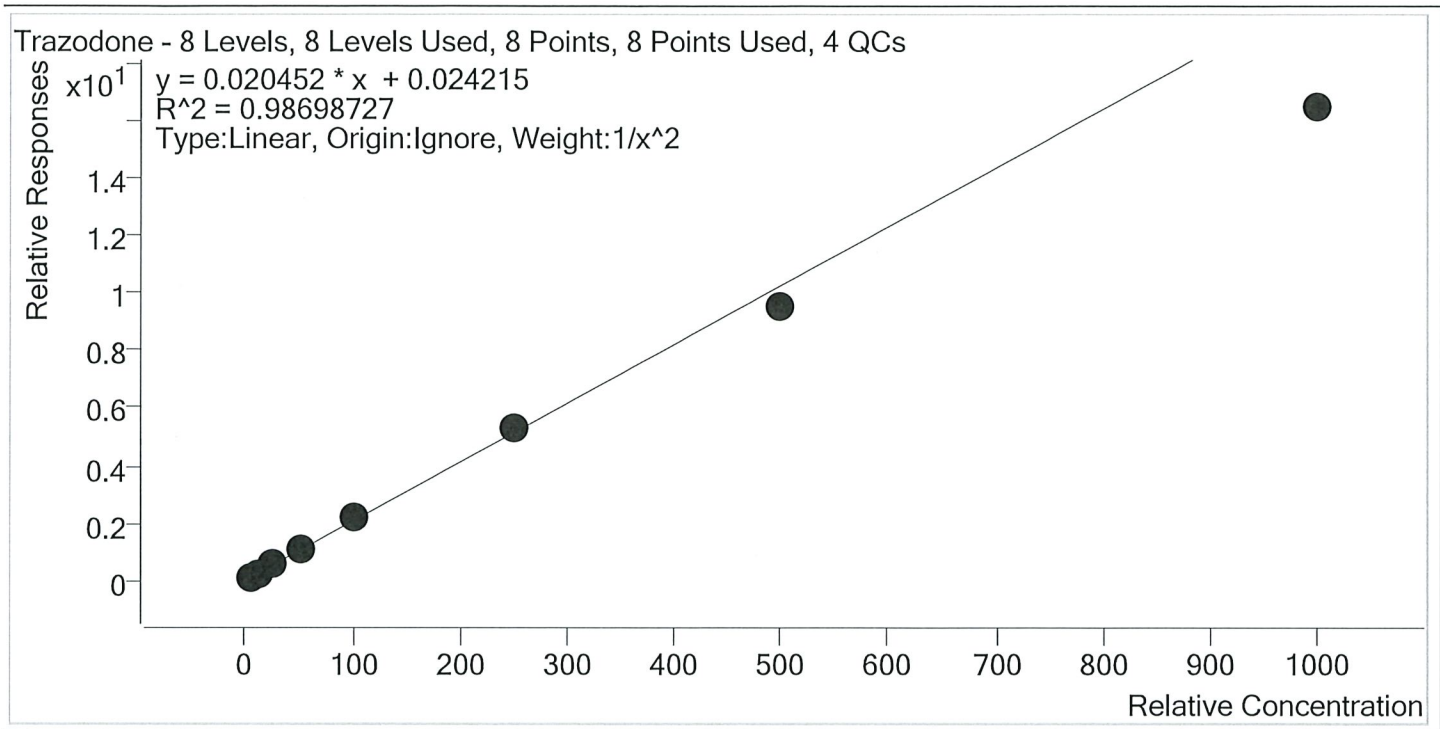
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.4
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.3
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.8
p1 Cal 4-50ng	4	✓	50.0	52.7	105.3
p1 Cal 5-100ng	5	✓	100.0	105.4	105.4
p1 Cal 6-250ng	6	✓	250.0	258.7	103.5
p1 Cal 7-500ng	7	✓	500.0	491.2	98.2
p1 Cal 8-1000ng	8	✓	1000.0	870.8	87.1

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
 Last Cal. Update 7/16/2020 9:19 AM
 Analyst Name ISP\datastor
 Analyte Trazodone Internal Standard Trazodone-D6



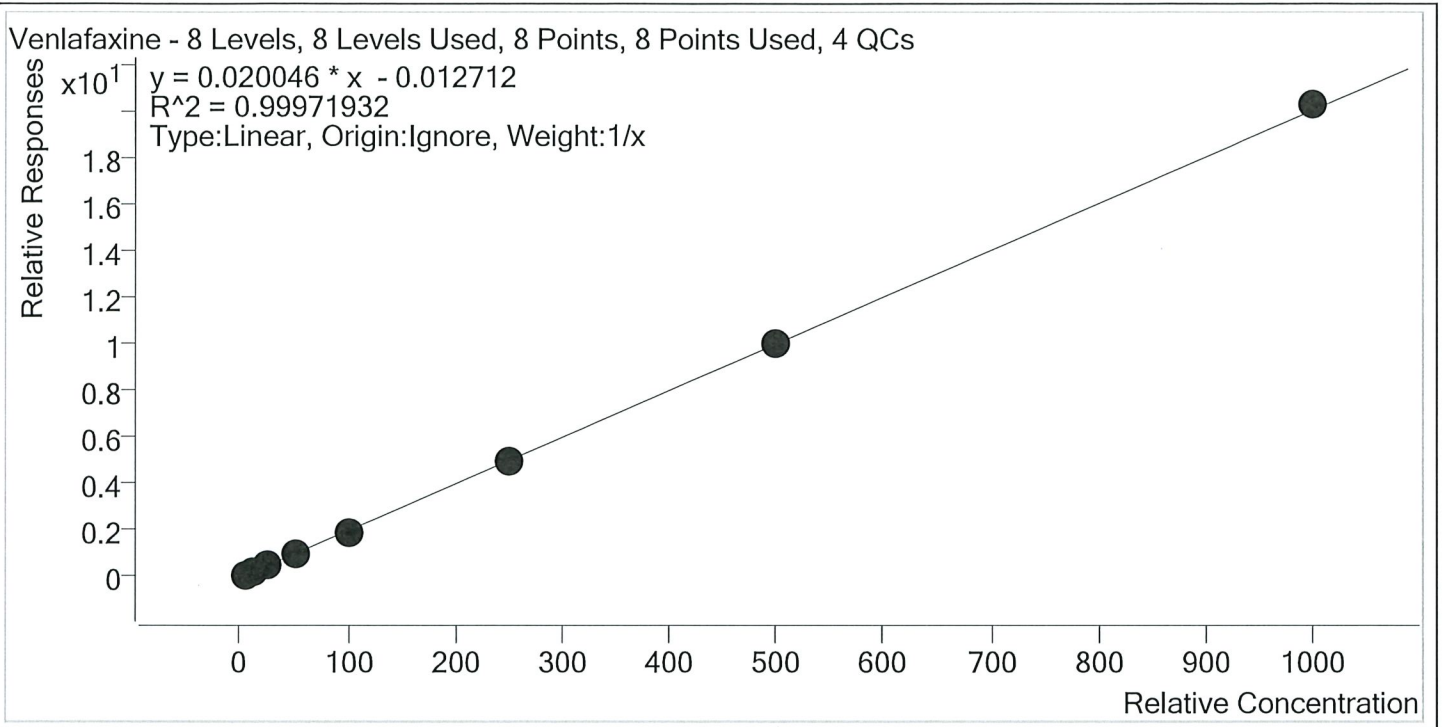
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.6
p1 Cal 2- 10ng	2	✓	10.0	10.4	103.9
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.4
p1 Cal 4-50ng	4	✓	50.0	55.2	110.5
p1 Cal 5-100ng	5	✓	100.0	108.5	108.5
p1 Cal 6-250ng	6	✓	250.0	257.7	103.1
p1 Cal 7-500ng	7	✓	500.0	463.3	92.7
p1 Cal 8-1000ng	8	✓	1000.0	803.5	80.4

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 7/16/2020 9:19 AM
Analyst Name ISP\datastor
Analyte Venlafaxine **Internal Standard** Venlafaxine-D6



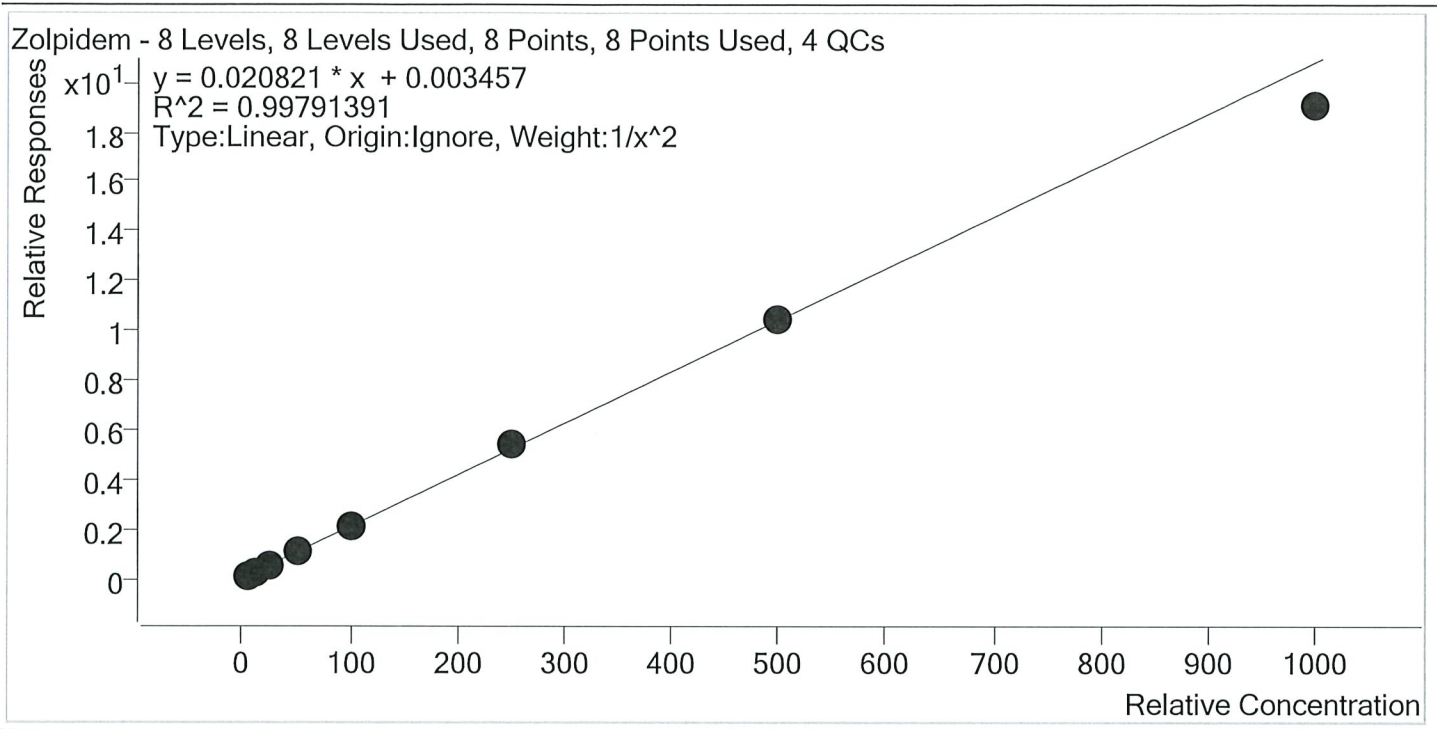
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.5	110.8
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.1
p1 Cal 3 -25ng	3	✓	25.0	24.0	96.1
p1 Cal 4-50ng	4	✓	50.0	49.0	98.0
p1 Cal 5-100ng	5	✓	100.0	95.8	95.8
p1 Cal 6-250ng	6	✓	250.0	246.2	98.5
p1 Cal 7-500ng	7	✓	500.0	497.7	99.5
p1 Cal 8-1000ng	8	✓	1000.0	1011.7	101.2

TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
 Last Cal. Update 7/16/2020 9:19 AM
 Analyst Name ISP\datastor
 Analyte Zolpidem Internal Standard Zolpidem-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.7
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.3
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.0
p1 Cal 4-50ng	4	✓	50.0	52.0	104.0
p1 Cal 5-100ng	5	✓	100.0	102.5	102.5
p1 Cal 6-250ng	6	✓	250.0	258.8	103.5
p1 Cal 7-500ng	7	✓	500.0	502.0	100.4
p1 Cal 8-1000ng	8	✓	1000.0	915.8	91.6

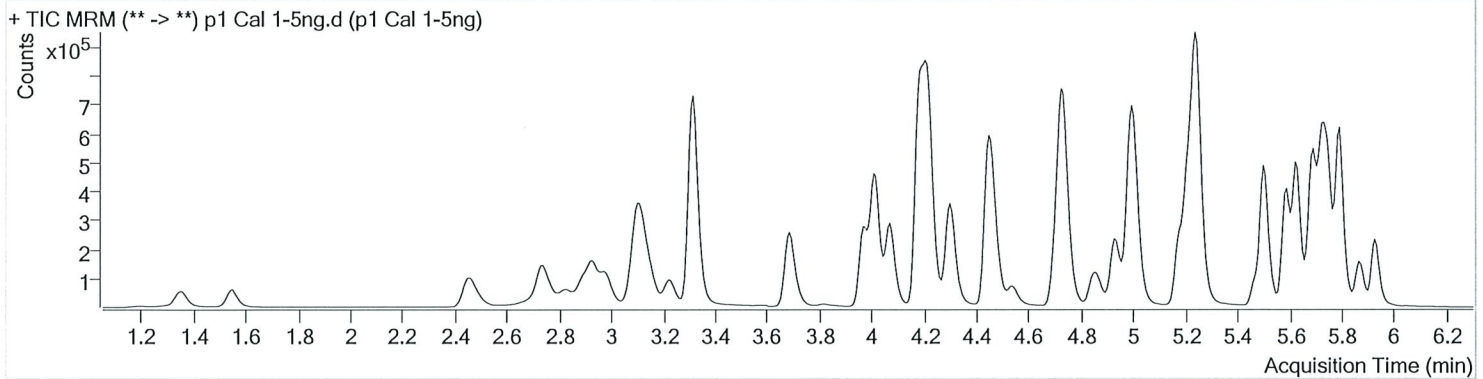
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
 Calibration Last Update 7/16/2020 9:19:19 AM

Instrument Falco Data File p1 Cal 1-5ng.d
 Type Cal Sample p1 Cal 1-5ng
 Acq. Method MDQ P1 060520.m Operator Tamara Salazar
 Sample Position P1-H12 Comment
 Injection Volume 2
 Acq. Date-Time 7/14/2020 6:09:07 PM
 Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.085	1749	163.77	76.6	148.49	70358	0.4949 ng/ml
7-aminoclonazepam	4.216	37388	204.83	81.6	1324.31	267268	4.8049 ng/ml
a-hydroxyalprazolam	5.674	15886	144.70	64.1	777.64	76865	4.7706 ng/ml
alpha-PVP	4.308	88606	550.33	52.0	480.96	770153	5.3904 ng/ml
Alprazolam	5.751	57119	365.85	107.9	313.56	327580	4.7288 ng/ml
Amphetamine	2.977	151725	1100.62	51.5	769.99	289530	4.8023 ng/ml
Benzoylcegonine	3.845	2485	27.16	6.9	11.25	17061	5.1934 ng/ml
Buprenorphine	5.613	2568	42.30	17.4	20.19	224523	0.4937 ng/ml
Bupropion	4.726	93386	478.92	60.5	∞	603140	4.8756 ng/ml
Carisoprodol	5.700	60826	71018.55	54.3	465.58	555430	5.0437 ng/ml
Citalopram	5.176	61121	417.12	40.4	513.09	531063	5.3124 ng/ml
Clonazepam	5.588	73842	6052.00	33.3	755.54	166183	4.8663 ng/ml
Cocaine	4.216	87571	4893.66	46.3	578.96	1282363	5.3769 ng/ml
Codeine	2.503	9668	3150.06	104.7	317.68	86786	4.8900 ng/ml
Cyclobenzaprine	5.592	49548	3336.41	9.5	107.07	373110	5.1133 ng/ml
Dextromethorphan	5.219	34356	689.57	77.3	694.81	312784	5.0010 ng/ml
Dextrorphan	4.070	24061	2889.04	219.7	2109.40	609194	5.2000 ng/ml
Diazepam	5.936	46235	4207.05	86.3	1144.88	416752	5.0093 ng/ml
Dihydrocodeine	2.481	24260	3595.69	66.1	1361.72	251669	4.8294 ng/ml
Diphenhydramine	5.247	140304	654.84	33.7	744.46	1913597	5.5774 ng/ml
Doxylamine	4.467	186546	19318.21	96.0	61661.61	1477772	4.9523 ng/ml
EDDP	5.211	66056	243.18	41.9	434.50	685016	5.0728 ng/ml
Fentanyl	5.020	4901	∞	68.4	∞	440640	0.5159 ng/ml
Fluoxetine	5.690	65366	2993.54	8.6	∞	504085	5.4267 ng/ml
Hydrocodone	2.959	30674	118.96	39.4	1814.01	360361	4.7662 ng/ml
Hydromorphone	1.553	22788	308.31	76.8	219.44	140211	4.9623 ng/ml
Ketamine	3.983	75682	3704.69	38.2	667.82	644304	4.9397 ng/ml
Lamotrigine	4.219	7195	936.49	74.4	1691.64	644304	4.7974 ng/ml
Lorazepam	5.729	63494	383.95	57.3	105.39	166183	4.7728 ng/ml
MDA	3.137	105859	1247.24	20.5	260.82	447912	4.7763 ng/ml
MDMA	3.231	68898	138249.75	67.0	1922.85	132494	4.9690 ng/ml
Meprobamate	4.876	27631	5002.99	27.7	∞	263597	4.8067 ng/ml
Methadone	5.629	93881	1235.55	52.2	297.12	859407	5.3943 ng/ml

TS

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methamphetamine	3.158	99637	595.08	42.5	45.83	688686	4.8332 ng/ml
Metoprolol	4.278	16080	49349.21	97.0	∞	1685906	4.9741 ng/ml
Mirtazapine	4.536	100980	2762.62	49.0	3790.08	770153	4.9150 ng/ml
Mitragynine	5.154	20540	2325.88	37.1	1324.82	859407	5.0464 ng/ml
Morphine	1.200	3576	710.50	21.7	66.39	7267	5.0343 ng/ml
Norbuprenorphine	4.944	362	38.60	81.3	25.15	27337	0.5003 ng/ml
Nordiazepam	5.876	41746	1184.65	57.3	1363.46	269495	4.9361 ng/ml
Norfentanyl	4.037	12241	615.89	39.3	66.80	1099080	0.5109 ng/ml
Norhydrocodone	3.007	3295	88.93	41.0	118.57	65887	5.2264 ng/ml
Noroxycodone	2.852	25526	375.36	47.1	18.16	170338	5.0048 ng/ml
O-desmethyl-tramadol	3.323	168500	11023.50	6.0	285.88	1754582	5.0669 ng/ml
Oxazepam	5.732	73741	293.08	72.2	938.41	873439	4.8293 ng/ml
Oxycodone	2.762	63497	1105.01	31.3	290.75	520898	4.9344 ng/ml
Oxymorphone	1.356	24653	978.88	47.1	529.04	167643	5.0132 ng/ml
Phentermine	3.723	28467	346.42	3.4	115.09	706335	4.8039 ng/ml
Promethazine	5.508	109536	1489.34	30.2	387.45	923906	5.5721 ng/ml
Quetiapine	5.478	64893	∞	57.3	291.09	170274	4.9267 ng/ml
Sertraline	5.751	36175	681.76	90.6	776.04	285468	5.0740 ng/ml
Temazepam	5.799	121412	738.29	29.5	284.34	1145189	5.0607 ng/ml
Tramadol	4.197	170003	626318.45	3.2	22.80	1685906	4.9208 ng/ml
Trazodone	4.965	73616	6240.14	78.5	1936.10	603483	4.7805 ng/ml
Venlafaxine	4.994	131653	899.78	35.9	380.83	1338832	5.5395 ng/ml
Zolpidem	4.749	163189	22822.01	30.9	838.78	1521575	4.9850 ng/ml

TS

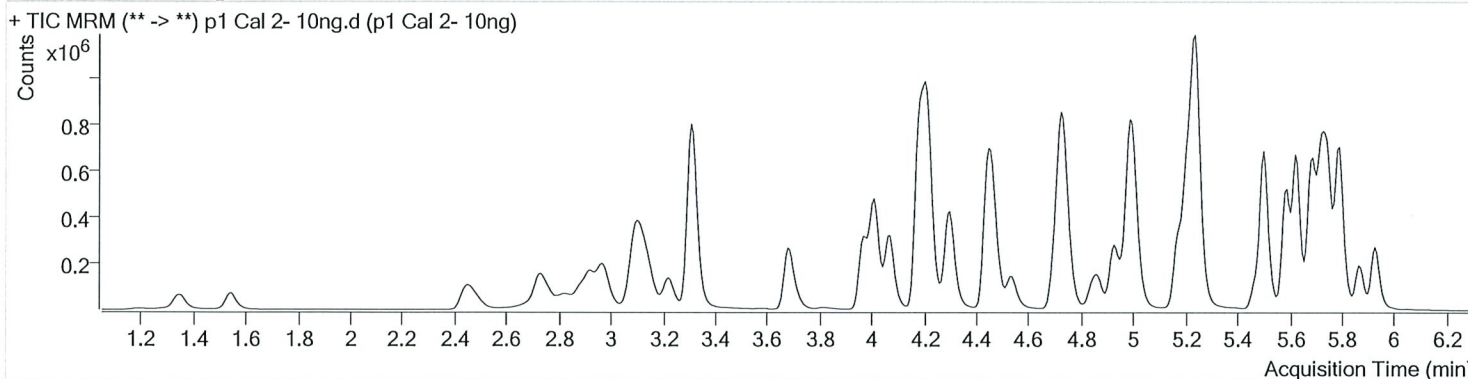


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
Calibration Last Update 7/16/2020 9:19:19 AM

Instrument	Falco	Data File	p1 Cal 2- 10ng.d
Type	Cal	Sample	p1 Cal 2- 10ng
Acq. Method	MDQ P1 060520.m	Operator	Tamara Salazar
Sample Position	P1-G12	Comment	
Injection Volume	2		
Acq. Date-Time	7/14/2020 6:19:53 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.079	3506	144.95	67.3	∞	71150	1.0289 ng/ml
7-aminoclonazepam	4.210	75426	3656.74	80.3	6818.92	267954	10.4054 ng/ml
a-hydroxyalprazolam	5.674	34309	225.52	61.6	809.62	80473	10.4662 ng/ml
alpha-PVP	4.308	184385	1197.27	51.2	22870.31	800520	10.1372 ng/ml
Alprazolam	5.751	114685	716.58	105.4	649.93	332954	9.6061 ng/ml
Amphetamine	2.977	296609	2327.92	51.8	883.48	299272	10.3729 ng/ml
Benzoylcegonine	3.845	4340	∞	8.3	20.71	15810	9.6940 ng/ml
Buprenorphine	5.613	6036	197.08	19.7	1169.05	259337	1.0114 ng/ml
Bupropion	4.719	196008	5695.72	60.6	572.33	641728	10.1727 ng/ml
Carisoprodol	5.700	118098	163452.60	54.3	1388.00	554150	9.9562 ng/ml
Citalopram	5.176	137214	1945.77	40.9	407.14	599697	10.2163 ng/ml
Clonazepam	5.588	143850	16266.51	33.3	6809.89	167999	10.1321 ng/ml
Cocaine	4.216	178002	50047.17	44.9	3118.17	1313272	10.2127 ng/ml
Codeine	2.503	19506	387.23	104.8	477.22	88363	10.1259 ng/ml
Cyclobenzaprine	5.592	114291	2659.01	9.7	412.20	446337	9.7041 ng/ml
Dextromethorphan	5.212	76370	1487.65	80.4	459.34	352656	9.9308 ng/ml
Dextrorphan	4.070	49540	201537.82	212.7	25311.57	624012	10.1269 ng/ml
Diazepam	5.936	89892	723.61	88.2	642.01	424614	9.9268 ng/ml
Dihydrocodeine	2.481	49867	1592.66	63.4	366.72	257855	10.3662 ng/ml
Diphenhydramine	5.240	315270	13634.39	33.3	1549.93	2205408	10.1137 ng/ml
Doxylamine	4.467	383348	18647.55	97.4	40403.60	1553802	10.0143 ng/ml
EDDP	5.211	153410	20199.78	42.8	8602.59	813951	9.8774 ng/ml
Fentanyl	5.020	11747	260.29	67.8	∞	522094	0.9800 ng/ml
Fluoxetine	5.683	145552	∞	8.8	1223.17	587285	10.0053 ng/ml
Hydrocodone	2.953	63376	605.98	37.5	352.49	384513	10.2189 ng/ml
Hydromorphone	1.553	44780	393.36	75.7	∞	140010	10.0197 ng/ml
Ketamine	3.983	151259	8045.50	37.7	810.15	663666	10.0982 ng/ml
Lamotrigine	4.219	13503	393.15	78.6	2135.73	663666	10.3677 ng/ml
Lorazepam	5.722	125358	∞	54.9	668.30	167999	10.6927 ng/ml
MDA	3.130	215811	2335.68	20.5	637.20	458026	10.4743 ng/ml
MDMA	3.231	141209	2715.79	67.0	6504.16	136784	10.0715 ng/ml
Meprobamate	4.869	56169	1085.22	25.6	214.96	266632	10.4598 ng/ml
Methadone	5.629	216547	5031.21	51.4	660.92	1016266	10.0003 ng/ml

TS

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methamphetamine	3.158	175792	148.99	43.5	54.18	712163	10.1075 ng/ml
Metoprolol	4.278	31931	50940.31	100.3	2684.30	1744098	9.9177 ng/ml
Mirtazapine	4.536	225636	7173.60	49.6	10656.81	800520	10.5768 ng/ml
Mitragynine	5.154	48307	659555.73	38.2	2326.82	1016266	9.9047 ng/ml
Morphine	1.200	6771	122.88	21.8	1085.45	7164	9.9200 ng/ml
Norbuprenorphine	4.937	747	42.55	83.9	47.02	31443	0.9793 ng/ml
Nordiazepam	5.876	86010	3251.11	57.1	785.93	279380	10.1162 ng/ml
Norfentanyl	4.037	24005	516.53	37.7	76.60	1101476	0.9793 ng/ml
Norhydrocodone	3.007	6513	607.25	43.9	∞	65168	9.5836 ng/ml
Noroxycodone	2.845	50555	834.96	49.7	2345.98	173048	9.9641 ng/ml
O-desmethyl-tramadol	3.317	339262	21216.94	6.0	663.01	1796554	9.8887 ng/ml
Oxazepam	5.732	147107	1078.71	70.8	∞	876831	10.3071 ng/ml
Oxycodone	2.762	127823	903.84	30.5	616.29	536217	10.0853 ng/ml
Oxymorphone	1.350	47885	409.31	47.1	249.42	168982	9.9821 ng/ml
Phentermine	3.716	57966	434.70	3.1	90.91	733583	10.2895 ng/ml
Promethazine	5.502	262515	1298.79	29.4	1305.93	1121623	10.2240 ng/ml
Quetiapine	5.478	138723	∞	59.9	325.77	185240	10.0257 ng/ml
Sertraline	5.751	84908	309.61	90.7	224709.81	344001	9.8439 ng/ml
Temazepam	5.793	251380	1372.07	29.4	482.09	1174462	9.9829 ng/ml
Tramadol	4.190	342610	4908.41	3.4	134.93	1744098	10.1254 ng/ml
Trazodone	4.965	167488	37109.75	78.6	10039.90	707627	10.3891 ng/ml
Venlafaxine	4.987	264232	1514.89	35.5	1860.56	1405849	10.0102 ng/ml
Zolpidem	4.742	334867	7374.40	30.5	∞	1577403	10.0298 ng/ml

TS

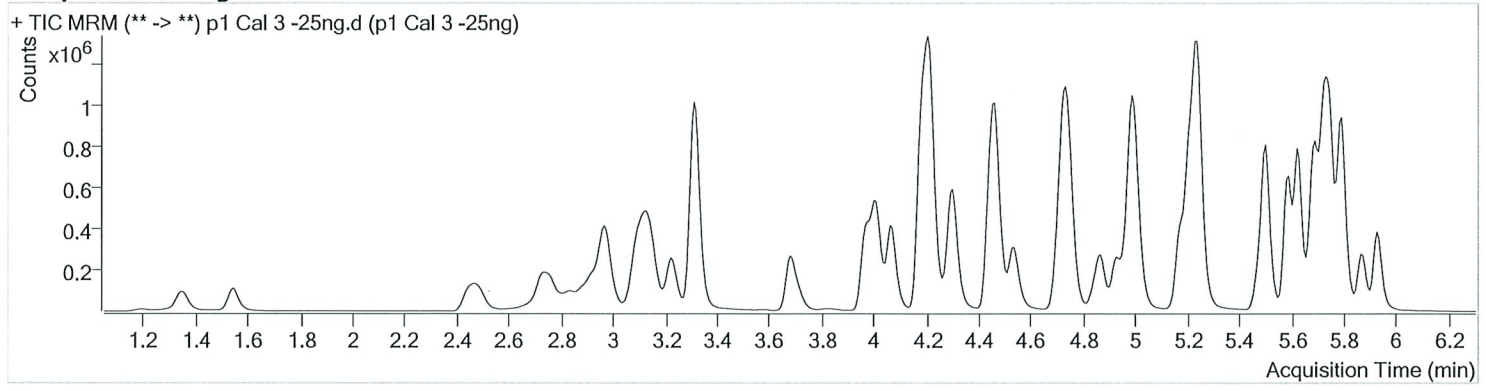


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
Calibration Last Update 7/16/2020 9:19:19 AM

Instrument	Falco	Data File	p1 Cal 3 -25ng.d
Type	Cal	Sample	p1 Cal 3 -25ng
Acq. Method	MDQ P1 060520.m	Operator	Tamara Salazar
Sample Position	P1-F12	Comment	
Injection Volume	2		
Acq. Date-Time	7/14/2020 6:30:29 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.079	8253	447.33	68.9	4051.76	73319	2.4134 ng/ml
7-aminoclonazepam	4.210	184722	7232.16	81.1	12686.26	271099	26.2219 ng/ml
a-hydroxyalprazolam	5.674	84865	926.47	60.9	1554.31	81168	26.5202 ng/ml
alpha-PVP	4.302	451266	1935.78	51.6	501.43	793490	24.0701 ng/ml
Alprazolam	5.751	294860	1205.80	103.7	2840.70	327794	25.5238 ng/ml
Amphetamine	2.970	696299	8525.36	51.9	∞	293014	26.8944 ng/ml
Benzoylcegonine	3.838	10238	899.91	8.6	66.18	15807	22.7297 ng/ml
Buprenorphine	5.613	13026	287.81	16.9	83.06	226785	2.5056 ng/ml
Bupropion	4.719	459003	1498.01	60.2	4460.39	611004	25.8524 ng/ml
Carisoprodol	5.700	283316	2873.23	55.0	513.94	556021	24.0117 ng/ml
Citalopram	5.176	293232	771.88	41.5	5343.02	536744	23.9092 ng/ml
Clonazepam	5.588	353866	3738.68	33.7	864.68	167609	26.1759 ng/ml
Cocaine	4.209	433086	19021.77	45.3	16756.30	1309942	24.2398 ng/ml
Codeine	2.503	49427	483.32	101.3	1378.53	89807	25.9093 ng/ml
Cyclobenzaprine	5.592	238725	∞	9.6	731.03	370911	24.1375 ng/ml
Dextromethorphan	5.212	158010	797.42	80.6	626.44	299522	24.2968 ng/ml
Dextrorphan	4.070	118968	4923.79	213.4	6375.10	621424	23.9660 ng/ml
Diazepam	5.936	220895	2341.12	87.5	1363.13	428047	24.7804 ng/ml
Dihydrocodeine	2.481	123717	2897.64	64.6	793.85	265541	25.9219 ng/ml
Diphenhydramine	5.240	669797	1592.19	33.4	1744.89	1902742	23.7331 ng/ml
Doxylamine	4.460	930926	25987.49	97.9	237761.40	1529087	25.2273 ng/ml
EDDP	5.211	364867	1146.60	42.1	869.98	789099	24.1747 ng/ml
Fentanyl	5.020	24090	1511.21	65.8	13190.10	436336	2.3145 ng/ml
Fluoxetine	5.683	299256	51553.23	8.6	1298.58	489649	24.0833 ng/ml
Hydrocodone	2.953	155944	∞	38.2	256.54	370454	27.7423 ng/ml
Hydromorphone	1.553	109081	1134.68	75.9	398.85	137697	25.2055 ng/ml
Ketamine	3.983	370095	2662.11	38.4	2433.17	671250	25.2038 ng/ml
Lamotrigine	4.219	31895	4497.71	85.3	5194.90	671250	26.8553 ng/ml
Lorazepam	5.722	288701	619.98	56.3	1263.12	167609	26.5656 ng/ml
MDA	3.130	498247	5218.11	20.4	662.49	440757	26.4706 ng/ml
MDMA	3.224	339788	46667.61	66.6	3982.34	134003	25.0431 ng/ml
Meprobamate	4.869	136749	5799.85	25.9	∞	268347	26.4266 ng/ml
Methadone	5.629	455180	37786.17	52.0	894.74	858198	24.0749 ng/ml

TS



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methamphetamine	3.158	395581	329.55	42.1	109.79	699128	26.5749 ng/ml
Metoprolol	4.278	80298	8063.30	96.4	2133.86	1765184	25.2396 ng/ml
Mirtazapine	4.536	500709	5165.40	48.8	49217.39	793490	23.6908 ng/ml
Mitragynine	5.154	103526	226363.42	37.3	17541.11	858198	24.9315 ng/ml
Morphine	1.200	16583	381.62	23.6	131.82	7398	23.8996 ng/ml
Norbuprenorphine	4.937	1660	96.40	80.2	125.93	28132	2.5898 ng/ml
Nordiazepam	5.876	207998	3134.88	59.6	46971.74	277503	25.0738 ng/ml
Norfentanyl	4.030	60398	736.95	37.8	768.53	1120884	2.3899 ng/ml
Norhydrocodone	3.007	15398	104.12	41.9	284.82	62793	22.2630 ng/ml
Noroxycodone	2.838	123550	3381.28	49.5	253.50	172560	24.7364 ng/ml
O-desmethyl-tramadol	3.317	845561	29216.85	6.1	35137.52	1835451	24.0125 ng/ml
Oxazepam	5.732	353617	6695.44	71.7	7969.87	871334	25.9534 ng/ml
Oxycodone	2.755	316143	2534.77	31.1	∞	544945	25.1981 ng/ml
Oxymorphone	1.350	118520	683.46	48.0	444.24	174726	24.3783 ng/ml
Phentermine	3.716	139319	∞	3.2	184.24	718207	26.5789 ng/ml
Promethazine	5.502	529863	15778.23	29.7	1144.68	926614	23.8294 ng/ml
Quetiapine	5.478	312176	21088.58	58.9	∞	166363	25.6592 ng/ml
Sertraline	5.751	168683	40703.67	91.8	1363.31	276361	24.2821 ng/ml
Temazepam	5.793	618460	3057.32	29.6	1280.16	1197517	23.7631 ng/ml
Tramadol	4.190	835933	7789.24	3.4	254.27	1765184	25.2123 ng/ml
Trazodone	4.965	351195	111855.97	78.9	5503.98	623639	26.3511 ng/ml
Venlafaxine	4.987	642172	29239.94	35.6	1421.67	1369350	24.0284 ng/ml
Zolpidem	4.749	824468	64467.82	30.9	6829.28	1605932	24.4910 ng/ml

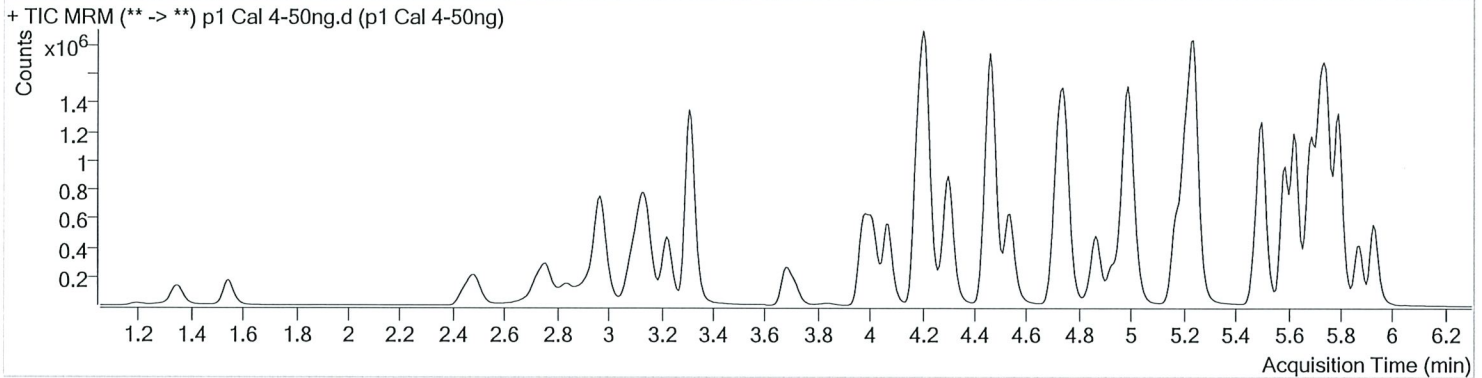
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
Calibration Last Update 7/16/2020 9:19:19 AM

Instrument	Falco	Data File	p1 Cal 4-50ng.d
Type	Cal	Sample	p1 Cal 4-50ng
Acq. Method	MDQ P1.060520.m	Operator	Tamara Salazar
Sample Position	P1-E12	Comment	
Injection Volume	2		
Acq. Date-Time	7/14/2020 6:41:03 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.079	17485	1269.94	70.6	1046.28	74086	5.1135 ng/ml
7-aminoclonazepam	4.210	358629	12124.41	82.5	4884.37	260351	53.7540 ng/ml
a-hydroxyalprazolam	5.668	166176	678.61	63.1	574.41	78663	54.1835 ng/ml
alpha-PVP	4.302	933927	27106.86	51.1	1863.85	788685	49.4115 ng/ml
Alprazolam	5.751	571713	3923.54	104.3	10997.38	318038	51.2781 ng/ml
Amphetamine	2.970	1354240	12179.70	52.3	4883.94	289265	54.3896 ng/ml
Benzoylcegonine	3.838	21394	2186.48	7.6	645.20	15846	47.2638 ng/ml
Buprenorphine	5.620	27273	1205.62	16.6	222.65	224703	5.3017 ng/ml
Bupropion	4.719	922869	1410.45	59.9	979.65	592600	54.2048 ng/ml
Carisoprodol	5.700	558925	53654.33	55.0	1925.53	519277	50.8877 ng/ml
Citalopram	5.176	613961	7163.36	42.6	38727.05	536920	49.6625 ng/ml
Clonazepam	5.581	685525	35520.50	33.9	1909.56	156729	55.1017 ng/ml
Cocaine	4.209	881054	130359.13	45.6	110710.53	1297514	49.2933 ng/ml
Codeine	2.496	99368	2130.03	103.9	924.58	88173	53.5186 ng/ml
Cyclobenzaprine	5.592	508039	15418.73	9.6	1361.30	381666	49.7415 ng/ml
Dextromethorphan	5.212	339144	3824.64	78.3	497.38	304543	51.3707 ng/ml
Dextrorphan	4.070	247724	14248.18	212.9	3318.99	614301	50.1257 ng/ml
Diazepam	5.936	441978	3505.52	89.1	2292.99	418039	51.1937 ng/ml
Dihydrocodeine	2.475	252721	25832.02	64.7	1812.83	263288	54.1184 ng/ml
Diphenhydramine	5.240	1428233	4035.28	33.2	1253.25	1946799	48.5933 ng/ml
Doxylamine	4.467	1953816	98602.24	97.6	166813.56	1563194	52.1615 ng/ml
EDDP	5.211	765419	655.35	43.1	989.05	806375	49.5857 ng/ml
Fentanyl	5.020	52525	1109.63	66.2	193265.63	454626	4.7757 ng/ml
Fluoxetine	5.683	625033	1939.23	8.6	69156.92	495672	49.2621 ng/ml
Hydrocodone	2.945	316621	928.00	37.7	331.12	375234	56.6713 ng/ml
Hydromorphone	1.547	219011	∞	76.5	∞	135282	51.7852 ng/ml
Ketamine	3.983	756350	2122.73	39.7	2046.26	669697	52.2002 ng/ml
Lamotrigine	4.219	62821	4864.28	83.6	1704.61	669697	54.9448 ng/ml
Lorazepam	5.722	520992	976.89	56.6	2601.46	156729	52.6065 ng/ml
MDA	3.130	978028	12526.61	20.4	2591.37	425933	54.7569 ng/ml
MDMA	3.224	692781	67500.29	68.1	19900.22	134183	51.2085 ng/ml
Meprobamate	4.869	259546	2210.18	26.4	1162.00	255078	53.5556 ng/ml
Methadone	5.629	972520	3092.65	51.8	16900.38	884161	49.3377 ng/ml

TS



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methamphetamine	3.151	781218	1059.72	42.1	562.92	677081	56.9297 ng/ml
Metoprolol	4.278	166162	∞	95.5	2998.30	1749729	53.1275 ng/ml
Mirtazapine	4.536	1057405	58112.91	48.8	155311.57	788685	50.3463 ng/ml
Mitragynine	5.154	210050	755599.31	38.6	211320.68	884161	48.9706 ng/ml
Morphine	1.200	34567	419.61	22.1	498.25	7064	52.4959 ng/ml
Norbuprenorphine	4.937	3283	87.48	86.3	309.40	28759	5.1098 ng/ml
Nordiazepam	5.876	422109	9966.39	58.5	1677.83	270468	52.5433 ng/ml
Norfentanyl	4.030	122026	2102.21	37.6	433.49	1099480	4.8998 ng/ml
Norhydrocodone	3.007	33624	169.98	38.7	314.27	59701	50.0157 ng/ml
Noroxycodone	2.838	250390	860.52	48.0	1008.19	169394	51.3008 ng/ml
O-desmethyl-tramadol	3.317	1744714	12173.91	6.0	2018.83	1818075	49.9365 ng/ml
Oxazepam	5.732	669123	∞	71.1	7155.69	798627	54.3466 ng/ml
Oxycodone	2.756	651948	5626.57	30.9	1976.80	537551	53.1756 ng/ml
Oxymorphone	1.350	237226	∞	47.2	5316.60	168045	51.1103 ng/ml
Phentermine	3.716	281385	∞	3.0	276.39	701186	55.9538 ng/ml
Promethazine	5.502	1138136	3485.14	29.8	2599.38	970069	48.0542 ng/ml
Quetiapine	5.478	651516	853.58	60.5	148622.61	167157	53.6815 ng/ml
Sertraline	5.751	350006	7900.52	91.9	35737.33	272565	51.0398 ng/ml
Temazepam	5.793	1272446	3893.82	28.7	3016.29	1173974	49.6193 ng/ml
Tramadol	4.190	1710536	2557.76	3.4	346.76	1749729	52.6521 ng/ml
Trazodone	4.965	737155	40550.89	78.9	4700.87	638936	55.2283 ng/ml
Venlafaxine	4.987	1320060	12688.51	36.0	1085.85	1361801	48.9903 ng/ml
Zolpidem	4.749	1703605	23862.65	30.6	21212.64	1568607	51.9953 ng/ml

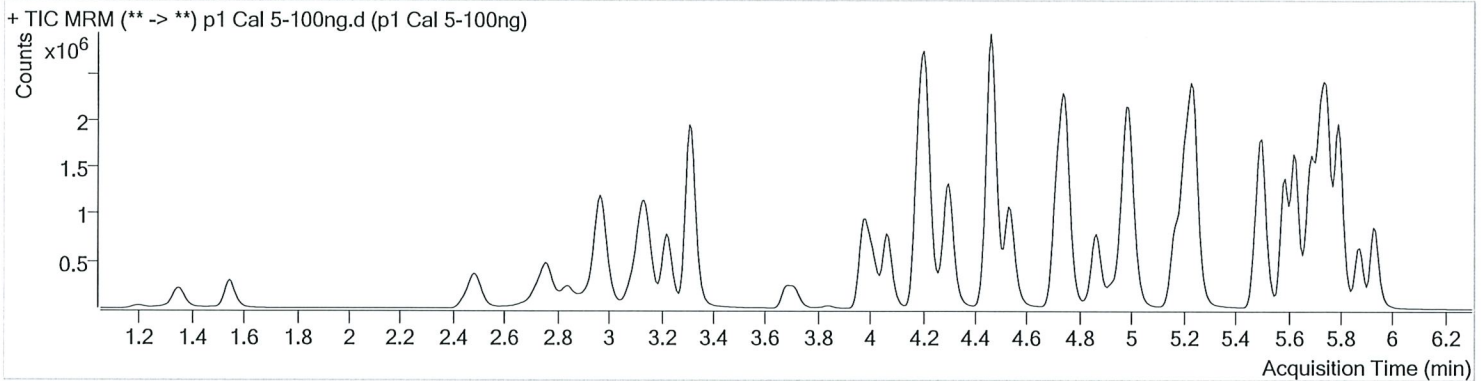
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
 Calibration Last Update 7/16/2020 9:19:19 AM

Instrument	Falco	Data File	p1 Cal 5-100ng.d
Type	Cal	Sample	p1 Cal 5-100ng
Acq. Method	MDQ P1 060520.m	Operator	Tamara Salazar
Sample Position	P1-D12	Comment	
Injection Volume	2		
Acq. Date-Time	7/14/2020 6:51:43 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.079	33677	2569.40	72.8	∞	73215	10.0124 ng/ml
7-aminoclonazepam	4.210	624920	445.45	82.1	16827.84	234765	104.5555 ng/ml
a-hydroxyalprazolam	5.668	308037	1647.97	61.1	836.63	73879	107.5152 ng/ml
alpha-PVP	4.302	1670824	2069.78	50.9	23034.16	718306	96.4300 ng/ml
Alprazolam	5.751	1032667	1553.51	107.6	2009.44	287837	102.6107 ng/ml
Amphetamine	2.977	2180910	16409.81	50.6	7457.52	254850	100.6178 ng/ml
Benzoylcegonine	3.838	43395	1186.02	7.6	220.60	15427	98.3552 ng/ml
Buprenorphine	5.620	44621	380.64	16.4	323.19	191335	10.1929 ng/ml
Bupropion	4.719	1545724	71702.78	60.1	1681.03	521828	103.6157 ng/ml
Carisoprodol	5.700	995711	43451.46	54.5	1554.09	478409	98.5385 ng/ml
Citalopram	5.176	1025382	1477.36	41.6	24627.69	453748	97.8044 ng/ml
Clonazepam	5.581	1231506	19782.47	33.7	10528.31	147779	105.7194 ng/ml
Cocaine	4.209	1592710	162030.20	45.7	80817.27	1194938	96.3092 ng/ml
Codeine	2.503	181823	6001.38	103.6	15069.41	83119	104.3012 ng/ml
Cyclobenzaprine	5.592	866312	∞	9.6	1658.44	329068	98.2133 ng/ml
Dextromethorphan	5.212	561156	616.79	78.9	1686.89	258525	100.1986 ng/ml
Dextrorphan	4.063	452642	8479.69	209.8	2894.37	565711	99.1396 ng/ml
Diazepam	5.936	834536	1099.80	87.9	2393.34	395910	102.4686 ng/ml
Dihydrocodeine	2.481	480896	1115.17	64.0	5431.63	261045	104.4837 ng/ml
Diphenhydramine	5.240	2424870	4423.50	33.1	1382.37	1648468	96.6280 ng/ml
Doxylamine	4.460	3620971	74369.94	98.1	117384.87	1452649	104.3758 ng/ml
EDDP	5.211	1351847	1650.82	42.3	507.33	728563	96.8915 ng/ml
Fentanyl	5.020	88559	608.40	67.8	∞	386308	9.4150 ng/ml
Fluoxetine	5.683	991142	2972.60	8.9	986.32	394181	97.8301 ng/ml
Hydrocodone	2.945	567974	∞	39.5	195.35	363991	105.6985 ng/ml
Hydromorphone	1.547	435311	1058.47	75.8	9610.40	133852	104.2943 ng/ml
Ketamine	3.983	1406630	5952.76	39.1	4061.06	635771	102.7840 ng/ml
Lamotrigine	4.219	109574	2318.37	81.3	14283.42	635771	102.6068 ng/ml
Lorazepam	5.722	796055	2840.22	56.8	1768.07	147779	86.1420 ng/ml
MDA	3.130	1641595	7837.94	20.5	4665.86	377388	104.5876 ng/ml
MDMA	3.224	1234433	250139.54	67.5	20581.04	122788	99.9128 ng/ml
Meprobamate	4.869	459211	32254.78	25.2	∞	244596	99.4853 ng/ml
Methadone	5.629	1651162	7398.72	51.9	1937.23	755472	97.4937 ng/ml

TS



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methamphetamine	3.151	1104284	1055.25	42.4	1735.10	529495	105.0311 ng/ml
Metoprolol	4.278	300494	∞	95.4	68242.27	1621870	104.0347 ng/ml
Mirtazapine	4.529	1794558	11021.65	48.9	113919.27	718306	93.8243 ng/ml
Mitragynine	5.154	348791	∞	38.6	965938.55	755472	95.0424 ng/ml
Morphine	1.200	66577	678.92	22.6	697.67	7088	101.0124 ng/ml
Norbuprenorphine	4.937	5415	∞	83.2	4319.03	24364	10.0484 ng/ml
Nordiazepam	5.876	768944	6248.06	57.8	34041.72	250277	103.7386 ng/ml
Norfentanyl	4.030	211319	5139.98	37.5	∞	950261	9.7963 ng/ml
Norhydrocodone	3.007	55628	153.80	43.2	87.82	53414	91.7537 ng/ml
Noroxycodone	2.845	453845	1693.84	48.5	658.58	156050	101.1473 ng/ml
O-desmethyl-tramadol	3.317	3353493	115942.67	6.0	1267.70	1757979	99.1871 ng/ml
Oxazepam	5.732	1096951	∞	71.4	5115.92	667781	107.2437 ng/ml
Oxycodone	2.756	1235739	4317.82	30.8	3841.55	528001	103.0391 ng/ml
Oxymorphone	1.350	436406	3478.54	47.6	801.93	156135	101.5365 ng/ml
Phentermine	3.716	459858	2884.16	3.1	∞	605123	106.7699 ng/ml
Promethazine	5.502	1973732	1495.82	30.0	17203.84	837429	95.7303 ng/ml
Quetiapine	5.478	1112912	∞	59.2	573.19	148957	103.2298 ng/ml
Sertraline	5.751	556694	8600.20	89.4	14475.25	217753	101.5736 ng/ml
Temazepam	5.793	2369774	56109.17	29.2	2314.83	1113139	97.2389 ng/ml
Tramadol	4.190	3156602	83515.18	3.4	1288.90	1621870	105.3871 ng/ml
Trazodone	4.965	1243267	12119.13	78.6	9652.14	554018	108.5429 ng/ml
Venlafaxine	4.987	2370630	2628.66	35.8	1677.37	1242191	95.8364 ng/ml
Zolpidem	4.742	3274958	27914.55	30.3	48581.13	1531461	102.5394 ng/ml

TS

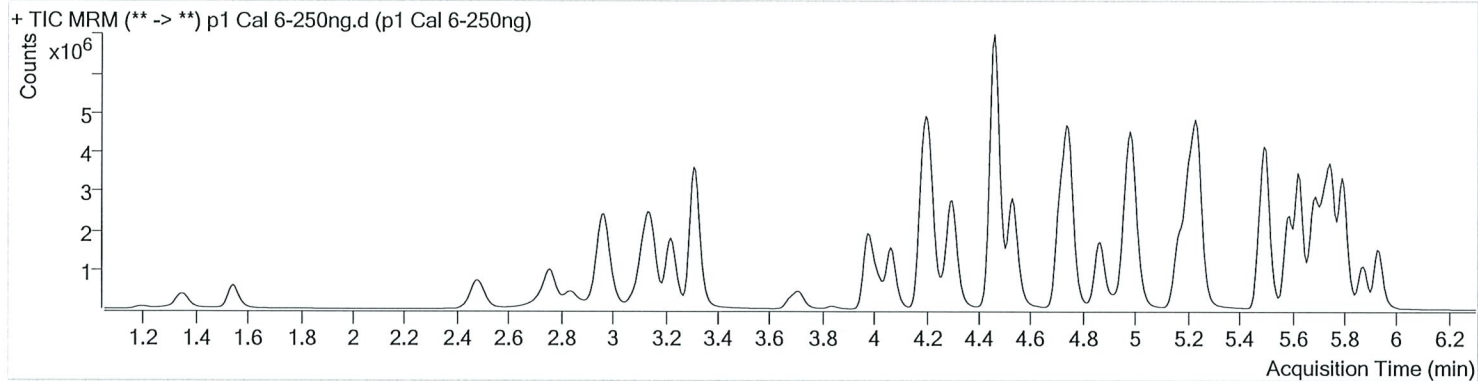


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
Calibration Last Update 7/16/2020 9:19:19 AM

Instrument	Falco	Data File	p1 Cal 6-250ng.d
Type	Cal	Sample	p1 Cal 6-250ng
Acq. Method	MDQ P1 060520.m	Operator	Tamara Salazar
Sample Position	P1-C12	Comment	
Injection Volume	2		
Acq. Date-Time	7/14/2020 7:02:19 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.072	82799	2274.60	71.3	2347.93	71067	25.4357 ng/ml
7-aminoclonazepam	4.210	1095330	11820.03	81.4	11912.62	168498	256.3819 ng/ml
a-hydroxyalprazolam	5.668	576758	1725.39	63.9	489.36	60871	245.0736 ng/ml
alpha-PVP	4.302	4107146	262704.58	50.3	112179.20	686472	247.0056 ng/ml
Alprazolam	5.751	2039684	2368.95	104.2	1282.33	226892	257.5212 ng/ml
Amphetamine	2.970	4816027	33215.75	51.5	8981.36	274082	208.1254 ng/ml
Benzoylcegonine	3.838	112322	2197.91	7.8	∞	15554	252.3468 ng/ml
Buprenorphine	5.620	110634	1346.23	15.7	17443.13	193285	25.0273 ng/ml
Bupropion	4.712	3880640	131876.61	59.7	2817.49	540557	251.9328 ng/ml
Carisoprodol	5.700	1793989	163769.90	55.2	1485.71	337447	251.9328 ng/ml
Citalopram	5.169	2576734	14120.81	41.7	8677.39	451897	246.2525 ng/ml
Clonazepam	5.581	2185427	5346.65	33.1	56172.28	116110	239.8035 ng/ml
Cocaine	4.209	3633204	224798.37	44.8	75337.13	1064536	245.8793 ng/ml
Codeine	2.496	399291	3502.67	101.0	4638.35	75526	252.7054 ng/ml
Cyclobenzaprine	5.592	2158780	80185.05	9.6	2313.36	320938	250.6789 ng/ml
Dextromethorphan	5.212	1299875	1105.67	79.0	935.80	239023	251.1500 ng/ml
Dextrorphan	4.063	1089476	6690.30	211.3	41537.38	542550	248.3216 ng/ml
Diazepam	5.936	1744107	11128.22	87.3	14912.37	335233	253.5062 ng/ml
Dihydrocodeine	2.475	1091121	3455.16	64.7	2500.14	258338	240.4210 ng/ml
Diphenhydramine	5.240	6137470	98413.85	32.9	1749.09	1645371	243.8005 ng/ml
Doxylamine	4.460	9329913	284439.05	97.7	325995.71	1473139	265.7387 ng/ml
EDDP	5.205	3576623	2951.73	41.9	1576.70	743966	250.9789 ng/ml
Fentanyl	5.020	228001	20578.83	67.1	3896.46	387701	24.0552 ng/ml
Fluoxetine	5.683	2553977	3307.03	8.6	∞	404036	245.3315 ng/ml
Hydrocodone	2.945	1234299	1931.96	38.4	∞	346691	242.5175 ng/ml
Hydromorphone	1.547	955233	∞	79.6	∞	124163	247.0789 ng/ml
Ketamine	3.976	3342348	15014.18	38.8	14479.20	614394	253.5235 ng/ml
Lamotrigine	4.219	205653	11609.25	80.8	96870.30	614394	201.1406 ng/ml
Lorazepam	5.722	1091477	∞	56.2	5049.45	116110	151.3962 ng/ml
MDA	3.123	3226931	12973.36	19.9	4821.93	328902	237.1020 ng/ml
MDMA	3.224	2981933	43666.85	68.1	13029.67	118195	251.0480 ng/ml
Meprobamate	4.869	823958	10920.71	25.7	11698.16	201691	217.4094 ng/ml
Methadone	5.629	4193239	2255.03	51.2	2074.60	761260	244.8751 ng/ml

TS



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methamphetamine	3.151	3418502	3542.85	41.8	7961.45	676779	258.1311 ng/ml
Metoprolol	4.271	686775	27397.99	96.5	16580.30	1530317	252.5672 ng/ml
Mirtazapine	4.529	4746114	900264.23	48.7	50808.41	686472	259.6639 ng/ml
Mitragynine	5.147	925202	100509.98	38.2	6265.46	761260	249.9751 ng/ml
Morphine	1.200	156774	8640.84	22.6	304.07	6543	258.0955 ng/ml
Norbuprenorphine	4.937	14646	1447.36	82.2	∞	25696	25.9335 ng/ml
Nordiazepam	5.876	1522295	1794.02	58.1	18180.23	206087	249.8454 ng/ml
Norfentanyl	4.030	600996	3395.04	37.4	19106.27	1063329	24.8656 ng/ml
Norhydrocodone	3.001	135567	∞	40.7	313.40	46329	256.2429 ng/ml
Noroxycodone	2.838	952377	1173.58	48.8	383.36	133073	249.2208 ng/ml
O-desmethyl-tramadol	3.317	7956442	10091.34	5.9	1399.66	1627129	254.1333 ng/ml
Oxazepam	5.726	1648540	21805.58	67.0	35347.24	426876	253.0974 ng/ml
Oxycodone	2.755	2894869	49350.39	31.0	2346.64	509174	250.9588 ng/ml
Oxymorphone	1.350	944706	∞	48.5	∞	135494	253.8021 ng/ml
Phentermine	3.716	1064224	4250.00	3.2	875.39	652585	230.1597 ng/ml
Promethazine	5.502	5172150	160177.98	29.3	1678.45	848222	246.4042 ng/ml
Quetiapine	5.478	2901248	1448.59	60.3	279164.42	161133	249.2772 ng/ml
Sertraline	5.751	1153016	48254.08	91.9	11513.99	183036	250.2207 ng/ml
Temazepam	5.799	4978127	420284.84	28.5	10591.13	891902	254.5635 ng/ml
Tramadol	4.190	7286916	296407.47	3.3	960.40	1530317	258.6604 ng/ml
Trazodone	4.958	3217345	13614.97	78.7	17615.07	607702	257.6846 ng/ml
Venlafaxine	4.987	5857096	13428.72	35.0	2596.62	1190052	246.1551 ng/ml
Zolpidem	4.742	7784129	984020.35	29.4	497101.12	1443571	258.8135 ng/ml

TS

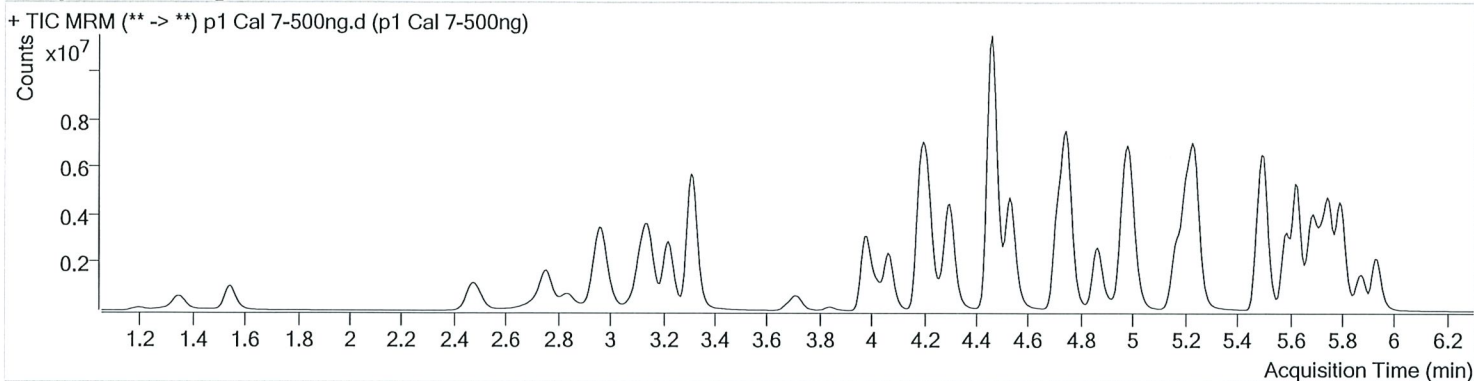


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
Calibration Last Update 7/16/2020 9:19:19 AM

Instrument	Falco	Data File	p1 Cal 7-500ng.d
Type	Cal	Sample	p1 Cal 7-500ng
Acq. Method	MDQ P1 060520.m	Operator	Tamara Salazar
Sample Position	P1-B12	Comment	
Injection Volume	2		
Acq. Date-Time	7/14/2020 7:12:55 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.072	159617	3601.59	70.7	4093.66	68984	50.5626 ng/ml
7-aminoclonazepam	4.216	1412631	21331.63	81.0	16909.35	119742	465.8794 ng/ml
a-hydroxyalprazolam	5.668	882284	∞	60.2	∞	48880	467.3982 ng/ml
alpha-PVP	4.302	7125373	301106.79	50.0	∞	590749	497.2958 ng/ml
Alprazolam	5.751	3147567	2188.74	105.6	2081.06	179635	502.1981 ng/ml
Amphetamine	2.970	7072656	46916.96	51.0	32457.99	245097	342.7211 ng/ml
Benzoylcegonine	3.838	260443	∞	7.9	5186.53	17584	517.4548 ng/ml
Buprenorphine	5.620	170130	10063.97	16.1	3031.75	152603	48.7526 ng/ml
Bupropion	4.712	6214628	4602.86	59.2	2559.34	451767	483.2739 ng/ml
Carisoprodol	5.700	2574238	958.01	53.5	1084.62	242039	504.1544 ng/ml
Citalopram	5.169	4074773	5211.33	41.0	∞	354265	496.3820 ng/ml
Clonazepam	5.581	2932297	337770.10	33.8	142118.87	88236	424.0255 ng/ml
Cocaine	4.209	5931296	831346.36	44.5	360954.70	866638	492.5964 ng/ml
Codeine	2.496	660617	24415.54	101.0	394.97	66126	477.9288 ng/ml
Cyclobenzaprine	5.592	3563694	53645.75	9.6	2291.35	261344	508.0075 ng/ml
Dextromethorphan	5.212	1914511	110733.17	79.2	3971.55	175873	502.7955 ng/ml
Dextrorphan	4.063	1804705	84719.91	214.7	35793.17	447533	498.3510 ng/ml
Diazepam	5.936	2796165	∞	87.2	∞	278155	490.1993 ng/ml
Dihydrocodeine	2.468	1891855	44394.00	64.6	61217.33	247382	435.8642 ng/ml
Diphenhydramine	5.240	9763076	323324.61	32.5	4394.83	1276826	498.9219 ng/ml
Doxylamine	4.460	16111440	458283.82	97.9	269627.36	1356486	498.6638 ng/ml
EDDP	5.205	6162403	1627.22	40.5	4801.92	625483	514.3004 ng/ml
Fentanyl	5.020	390143	3314.74	68.9	3510.93	306976	51.9144 ng/ml
Fluoxetine	5.683	4080441	2363.47	8.5	825654.35	317825	497.8676 ng/ml
Hydrocodone	2.945	2134937	∞	40.1	14977.04	322535	451.8016 ng/ml
Hydromorphone	1.547	1766683	6214.14	77.5	∞	118912	477.3925 ng/ml
Ketamine	3.976	5980868	5306.96	37.8	2609.37	568454	490.8339 ng/ml
Lamotrigine	4.219	281673	16892.85	80.7	∞	568454	298.7085 ng/ml
Lorazepam	5.722	1160716	∞	55.5	1915.17	88236	212.4363 ng/ml
MDA	3.116	4405899	23433.95	19.5	12827.02	251250	424.5334 ng/ml
MDMA	3.224	4922233	124218.40	66.8	32545.17	98424	497.8481 ng/ml
Meprobamate	4.869	1163903	38331.77	25.4	44739.32	175027	354.3910 ng/ml
Methadone	5.629	7001050	2614.58	50.4	3753.24	611855	508.0859 ng/ml

TS



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methamphetamine	3.151	5850227	3305.06	41.3	∞	642821	467.2001 ng/ml
Metoprolol	4.271	1066791	63075.35	97.3	19912.68	1349078	445.3332 ng/ml
Mirtazapine	4.529	8058582	585822.46	48.5	66179.51	590749	512.3415 ng/ml
Mitragynine	5.147	1548702	80305.57	38.8	1692.59	611855	520.4652 ng/ml
Morphine	1.193	303122	19143.33	23.1	3459.17	6479	504.2298 ng/ml
Norbuprenorphine	4.937	23201	7771.96	84.1	1291.73	21770	48.5800 ng/ml
Nordiazepam	5.876	2306954	4124.77	57.5	32180.47	159853	488.4313 ng/ml
Norfentanyl	4.030	1179228	4992.39	37.2	12899.55	1019256	50.8767 ng/ml
Norhydrocodone	3.001	260211	198.72	44.4	3472.74	43561	522.2022 ng/ml
Noroxycodone	2.838	1540001	6557.58	48.0	4741.67	108776	493.2228 ng/ml
O-desmethyl-tramadol	3.310	14304121	121073.42	5.7	15372.32	1449631	512.7450 ng/ml
Oxazepam	5.726	1791458	9763.85	69.4	2483.78	254278	462.3218 ng/ml
Oxycodone	2.756	5253135	∞	30.9	3911.15	480612	482.8835 ng/ml
Oxymorphone	1.350	1661078	∞	46.3	∞	119097	508.0494 ng/ml
Phentermine	3.716	1739059	3422.76	3.0	744.37	585641	419.8431 ng/ml
Promethazine	5.502	8769669	127450.44	28.8	8014.63	713571	495.8205 ng/ml
Quetiapine	5.478	4913205	354587.63	60.2	∞	142666	477.1169 ng/ml
Sertraline	5.751	1560318	∞	92.5	26871.12	125417	494.1351 ng/ml
Temazepam	5.799	7669815	6024.42	28.0	9767.59	684571	510.7605 ng/ml
Tramadol	4.184	12186613	45944.83	3.2	3841.54	1349078	491.2077 ng/ml
Trazodone	4.958	5359094	125626.70	79.1	7289.01	564094	463.3451 ng/ml
Venlafaxine	4.987	9853795	∞	34.7	6065.08	988904	497.7085 ng/ml
Zolpidem	4.742	13884102	608784.71	29.4	26497.39	1327825	502.0268 ng/ml

TS

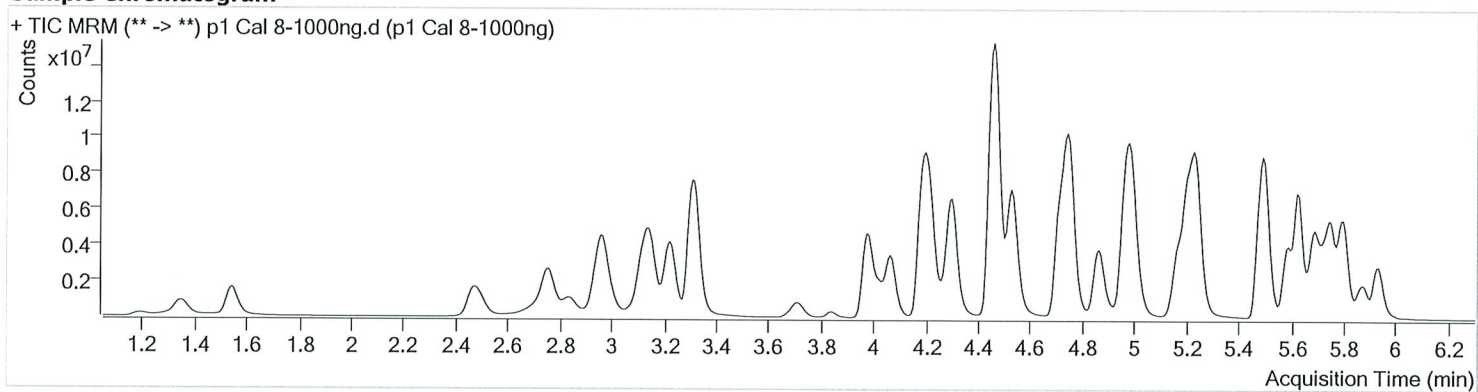


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\AM 27-28\071420 AM 27 28 TS\QuantResults\AM 28.batch.bin
Calibration Last Update 7/16/2020 9:19:19 AM

Instrument	Falco	Data File	p1 Cal 8-1000ng.d
Type	Cal	Sample	p1 Cal 8-1000ng
Acq. Method	MDQ P1 060520.m	Operator	Tamara Salazar
Sample Position	P1-A12	Comment	
Injection Volume	2		
Acq. Date-Time	7/14/2020 7:23:31 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.072	289176	1887.29	71.4	26160.40	65631	96.3275 ng/ml
7-aminoclonazepam	4.223	1493871	22814.14	81.7	42273.19	67727	871.6779 ng/ml
a-hydroxyalprazolam	5.668	1177029	1252.89	61.2	∞	35275	864.5331 ng/ml
alpha-PVP	4.302	11556041	44575.08	49.7	190556.84	471299	1010.2595 ng/ml
Alprazolam	5.751	4477092	875.47	105.5	1338.05	130104	986.5331 ng/ml
Amphetamine	2.970	9266547	82582.12	50.3	∞	213562	516.0642 ng/ml
Benzoylcegonine	3.838	578780	40460.08	8.0	4870.24	18221	1109.6147 ng/ml
Buprenorphine	5.613	222385	36734.30	16.5	6390.88	103110	94.3220 ng/ml
Bupropion	4.712	9110908	4806.28	58.8	4450.68	364336	878.9883 ng/ml
Carisoprodol	5.700	3269950	∞	54.5	9583.95	152585	1016.0000 ng/ml
Citalopram	5.169	5657600	∞	40.3	10909.06	241545	1010.4607 ng/ml
Clonazepam	5.575	3782464	25176.38	33.2	659.94	64700	746.5448 ng/ml
Cocaine	4.209	9197747	150576.71	43.9	153728.05	651202	1016.0923 ng/ml
Codeine	2.496	993876	2893.34	101.9	4763.27	53268	892.9691 ng/ml
Cyclobenzaprine	5.592	4816295	7090.66	9.4	352.20	171555	1045.7310 ng/ml
Dextromethorphan	5.212	2276989	9052.71	79.4	20559.04	105680	995.2565 ng/ml
Dextrorphan	4.063	2809359	36541.87	214.6	1100132.36	345425	1004.7692 ng/ml
Diazepam	5.936	4062314	1289.57	87.4	∞	204038	971.2650 ng/ml
Dihydrocodeine	2.468	3050459	71165.34	64.8	∞	234978	740.3626 ng/ml
Diphenhydramine	5.240	13392135	5539.60	32.6	58788.23	862227	1012.6321 ng/ml
Doxylamine	4.463	24456892	267710.43	98.2	248511.73	1205890	851.7439 ng/ml
EDDP	5.205	10222414	200066.03	40.8	6399.46	514284	1037.5655 ng/ml
Fentanyl	5.020	549006	2530.27	68.7	56389.32	192329	116.5230 ng/ml
Fluoxetine	5.683	4880405	136865.53	8.5	814.66	187270	1010.1934 ng/ml
Hydrocodone	2.945	3712576	2404.32	40.3	1424.24	298064	851.1005 ng/ml
Hydromorphone	1.547	3028443	1222.89	77.0	905.36	99773	975.5995 ng/ml
Ketamine	3.976	9867220	273092.82	37.6	72319.35	497105	926.4875 ng/ml
Lamotrigine	4.226	331508	12269.00	80.0	30364.32	497105	402.7004 ng/ml
Lorazepam	5.722	1267388	∞	56.0	3594.62	64700	317.0409 ng/ml
MDA	3.116	5682895	194182.40	19.3	24724.64	184434	746.6808 ng/ml
MDMA	3.224	7666454	177365.72	67.1	∞	78361	974.1455 ng/ml
Meprobamate	4.876	1470778	47584.23	25.4	8119.90	137879	568.9660 ng/ml
Methadone	5.629	9688696	132513.01	50.9	3409.59	429672	1000.7380 ng/ml

TS



AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methamphetamine	3.151	9247313	10136.41	40.8	14405.17	591993	803.7858 ng/ml
Metoprolol	4.271	1484066	20895.68	96.3	3848.92	1132735	738.1133 ng/ml
Mirtazapine	4.529	12588431	315486.16	48.1	124153.08	471299	1003.1897 ng/ml
Mitragynine	5.147	2157415	4213.29	38.4	1435.57	429672	1032.3210 ng/ml
Morphine	1.193	518526	13600.74	23.0	3565.61	5920	944.2819 ng/ml
Norbuprenorphine	4.937	33033	2325.51	83.7	2007.26	15892	94.8516 ng/ml
Nordiazepam	5.876	3063382	722.82	58.8	3671.86	111072	933.7131 ng/ml
Norfentanyl	4.030	2236039	10297.88	36.9	43131.64	917692	107.1250 ng/ml
Norhydrocodone	3.001	530963	242.82	41.9	195.44	41458	1118.6224 ng/ml
Noroxycodone	2.838	2407968	∞	48.5	194.19	84554	992.3512 ng/ml
O-desmethyl-tramadol	3.310	22284964	249826.78	5.9	2081.18	1152599	1004.6148 ng/ml
Oxazepam	5.726	1716973	10112.11	69.6	5595.78	129766	868.8883 ng/ml
Oxycodone	2.749	9252900	∞	30.8	11098.31	438265	933.1627 ng/ml
Oxymorphone	1.350	2739052	1508.40	47.1	532.01	104493	955.1431 ng/ml
Phentermine	3.716	2454540	∞	3.1	7320.09	506140	686.2253 ng/ml
Promethazine	5.502	11949251	328685.59	28.8	42568.92	474862	1014.3653 ng/ml
Quetiapine	5.478	7899736	459404.11	59.1	310800.17	117921	928.4515 ng/ml
Sertraline	5.751	1612070	119911.66	91.9	31545.91	63781	1003.8306 ng/ml
Temazepam	5.799	10325274	7709.77	28.5	56553.56	454908	1034.4974 ng/ml
Tramadol	4.184	18131110	5112.58	3.3	1505.65	1132735	870.8316 ng/ml
Trazodone	4.958	7844175	331773.69	78.0	∞	476639	803.5094 ng/ml
Venlafaxine	4.987	15746161	14277.26	34.8	15469.70	776880	1011.7315 ng/ml
Zolpidem	4.749	21483198	611906.18	30.8	17537.55	1126486	915.7737 ng/ml