


















TS

12/14/2020

CS

Worklist: 4680

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
M2020-4605	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2020-4793	5	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
M2020-4838	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-3313	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-3558	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-3559	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-3562	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-3563	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-3564	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-3594	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-3596	3	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-3601	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-3602	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-3605	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-3606	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-3609	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
P2020-3610	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

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

TS CS

Extraction Date: 12/15/2020

Analyst: Tamara Salazar

Plate lot#: Item #:IDP-111-2 Lot:200513

Plate Expiration: 11/13/2020—ok with external control

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

Mobile phase B: 0.01% Formic Acid in MeOH

Blank Blood Lot: Lampire 20L20725

Blank Urine Lot: POC031319

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. Urine hydrolysis pipette 250 ul urine in blank well, add 40 ul BG Turbo, add 100 ul 500 mm sodium phosphate buffer, mix for at least 5 minutes at ambient temperature. Pipette **250µL blood (calibrated pipette) or 250µL hydrolyzed urine** in wells of analytical (standards) plate. **Pipette ID: 42**
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 4. Pipette **250µL 0.5M ammonium hydroxide** in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **300µL of blood+base/urine+base** mixture to corresponding wells of SLE+ plate.
- 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent). **(Load at 85-100 PSI- Selector to the right)**
- 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. **If run contains urine, add 50µL 1% HCl in MeOH to wells and place plate cover on plate before drying (optional).** Place on SPE Dry and evaporate to dryness at approx. 35°C.
- 16. Reconstitute in **100µL 20% MeOH** and heat seal plate with foil.

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? Yes, see comments Add Control data to QC tracking spreadsheet.
- 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports.

COMMENTS: *Curves Limited: Amphetamine 5-500, Benzoylcegonine 10-1000, Lorazepam 5-250, Meprobamate 5-500, Mirtazapine 5-500, Mitragynine 5-500, Norbuprenorphine 2.5-100,*

Extraction performed on 12/15/2020, but due to the instrument stopping, the samples were not injected until 12/16/2020 and 12/17/2020.

Only 50uL of 20% MeOH was originally added to the wells during step 16. The plate was dried down once more, and the proper amount of reconstitution solvent was added on 12/16/2020.

Case samples P2020-3594 and P2020-3601 were reinjected on 12/20/2020 due to positive fluoxetine peaks in the proceeding blanks.

TS^{CS}

Celena Shrum included urine samples in this run. Tamara Salazar acted as the primary analyst and performed steps 3-16. CS

I, Celena Shrum, approved of all steps utilized in this method. CS



Idaho State Police Forensic Services

AM #25 Blood Multi-Drug Screen by LCMS-QQQ And AM #28 Blood Multi-Drug Confirmatory Analysis by LCMS-QQQ---Panel 1

Methanol External Control Solution (Lot: 121020)

100 µL of 1mg/mL stock was added to each drug to 9600 µL of LC MeOH.

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>	<i>Expiration Date</i>
Methanol (LCMS)	Fisher	197468	
Alprazolam	Cerilliant	FE07061604	07/31/2021
Clonazepam	Cerilliant	FE07131603	10/31/2021
Hydrocodone	Cerilliant	FE04241902	09/30/2024
Morphine	Cerilliant	FE06231704	07/31/2022
Prepared:	12/10/2020		
Prepared By:	Tamara Salazar		
Expires:	07/31/2021		

Blood External Control Solution (Lot: WS121020)

*100 µL of methanol external control solution was added to 9900 µL of blood.
Approximately 100 ng/mL of each compound.*

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
Negative Blood	Lampire	20L20725
Methanol External Control Solution		121020
Prepared:	12/10/2020	
Prepared by:	Tamara Salazar	
Expires:	07/31/2021	

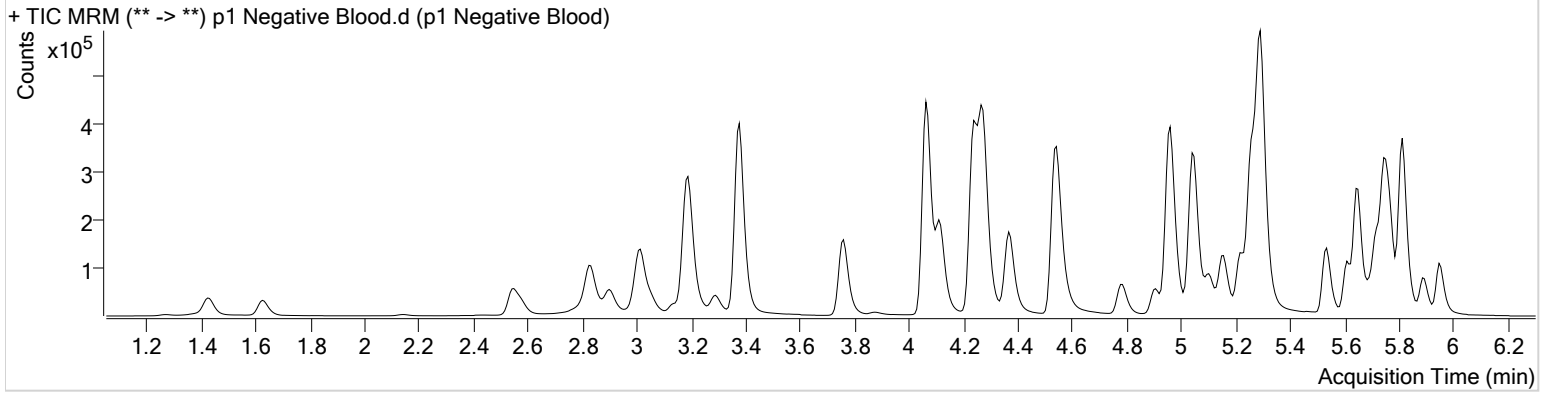
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Calibration Last Update 12/21/2020 2:29:47 PM

Instrument	Instrument 1	Data File	p1 Negative Blood.d
Type	Sample	Sample	p1 Negative Blood
Acq. Method	AM 28 MDQ P1.m	Operator	Tamara Salazar
Sample Position	P2-C11	Comment	
Injection Volume	2		
Acq. Date-Time	12/16/2020 5:25:57 PM		
Sample Info.			

Sample Chromatogram

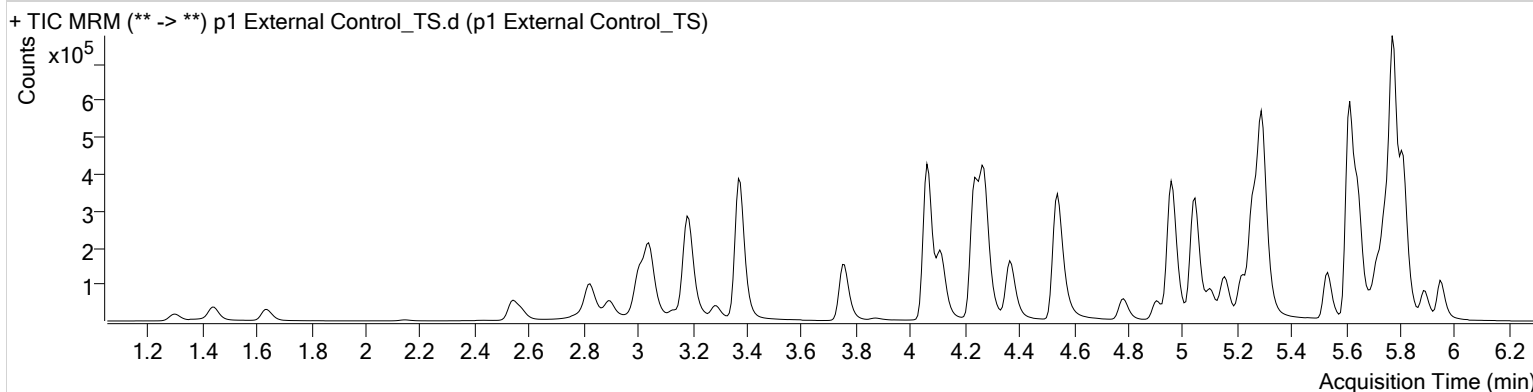


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Calibration Last Update 12/21/2020 2:29:47 PM

Instrument	Instrument 1	Data File	p1 External Control_TS.d
Type	Sample	Sample	p1 External Control_TS
Acq. Method	AM 28 MDQ P1.m	Operator	Tamara Salazar
Sample Position	P2-B11	Comment	
Injection Volume	2		
Acq. Date-Time	12/16/2020 5:47:09 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Alprazolam	5.778	642082	7883.64	115.5	6900.25	210302	93.7605 ng/ml
Clonazepam	5.615	857297	20988.97	33.9	920.69	101667	99.3356 ng/ml
Hydrocodone	3.040	343582	233.93	34.2	∞	228380	94.8914 ng/ml
Morphine	1.300	41275	18017.21	20.1	624.88	6267	94.1938 ng/ml

AM #28 Multi-Drug Quant. Results



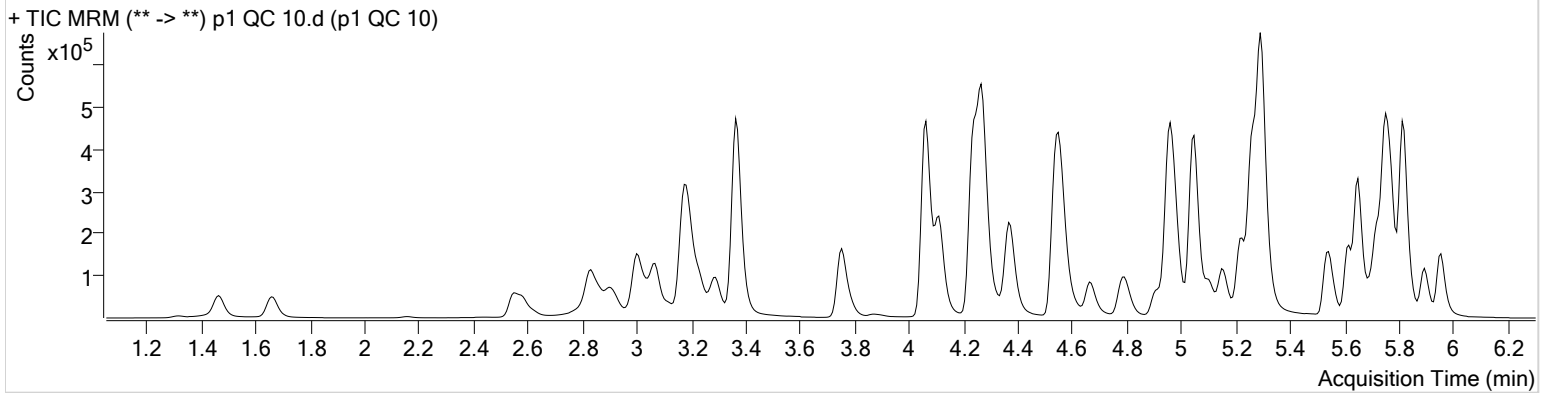
TS CS

Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Calibration Last Update 12/21/2020 2:29:47 PM

Instrument Instrument 1
Type QC
Acq. Method AM 28 MDQ P1.m
Sample Position P2-H11
Injection Volume 2
Acq. Date-Time 12/16/2020 3:49:48 PM
Sample Info.

Data File p1 QC 10.d
Sample p1 QC 10
Operator Tamara Salazar
Comment

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.132	2056	3860.82	82.1	382.25	44072	0.9550 ng/ml
7-aminoclonazepam	4.283	26156	106.40	85.3	90.54	94857	9.8499 ng/ml
a-hydroxyalprazolam	5.702	22603	212.48	60.9	226.86	61046	9.5722 ng/ml
alpha-PHP	4.948	25916	1067.53	265.2	6936.71	450593	10.3183 ng/ml
alpha-PVP	4.382	96470	2976.78	52.6	325.05	450593	9.9152 ng/ml
Alprazolam	5.778	75300	620.05	115.7	∞	235121	10.1253 ng/ml
Amphetamine	3.071	194586	1296.86	51.4	2447.81	185857	10.2978 ng/ml
Benzoylcegonine	3.898	3472	105.83	9.4	50.94	11698	11.1578 ng/ml
Buprenorphine	5.762	1958	∞	13.2	∞	62769	1.0026 ng/ml
Bupropion	4.807	57772	7419.54	57.6	405.15	200868	9.8732 ng/ml
Carisoprodol	5.727	55719	351.42	45.1	86.21	276119	10.2196 ng/ml
Citalopram	5.223	63123	4458.14	47.0	4711.70	275603	9.9452 ng/ml
Clonazepam	5.615	103656	4868.54	33.6	1942.96	112906	10.2347 ng/ml
Cocaine	4.269	100970	515.64	51.4	11186.79	803923	10.2152 ng/ml
Codeine	2.624	10811	569.97	107.4	2377.73	53013	9.6996 ng/ml
Cyclobenzaprine	5.618	19040	3965.30	8.6	38.01	71570	10.1790 ng/ml
Dextromethorphan	5.273	37663	199.93	78.0	∞	173685	9.9587 ng/ml
Dextrophan	4.117	30278	400.05	214.6	1483.71	398252	9.7357 ng/ml
Diazepam	5.956	48094	311.68	87.8	827.74	233969	10.1485 ng/ml
Dihydrocodeine	2.582	29339	691.70	59.8	96.61	153153	10.0592 ng/ml
Diphenhydramine	5.300	169873	652.09	33.2	6941.65	1173204	10.0028 ng/ml
Doxylamine	4.561	248645	6747.67	100.3	∞	1024338	10.3102 ng/ml
EDDP	5.265	111188	1123.84	45.2	3386.09	623526	9.4844 ng/ml
Fentanyl	5.121	3301	130.86	69.5	4237.74	152475	1.0045 ng/ml
Fluoxetine	5.703	7621	∞	10.6	∞	31132	10.0676 ng/ml
Hydrocodone	3.034	44635	557.91	33.2	73.26	240048	10.8049 ng/ml
Hydromorphone	1.665	30462	411.10	71.8	252.94	96582	9.4053 ng/ml
Ketamine	4.078	70013	322.78	42.3	235.31	326078	9.9488 ng/ml
Lamotrigine	4.293	7715	515.89	79.4	349.98	326078	10.0937 ng/ml
Lorazepam	5.750	83467	∞	58.1	526.57	112906	10.0639 ng/ml
MDA	3.204	145779	∞	20.4	323.52	345115	10.5738 ng/ml
MDMA	3.291	87677	3573.10	72.7	2218.04	88868	10.5631 ng/ml
Meprobamate	4.929	31133	23629.30	24.7	1401.90	139376	10.0330 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.649	114674	2192.10	43.2	236.54	508801	9.7649 ng/ml
Methamphetamine	3.232	123079	221.64	42.4	282.20	511475	10.6969 ng/ml
Metoprolol	4.332	17604	980.48	88.3	1062.81	987673	9.8923 ng/ml
Mirtazapine	4.663	137929	5251.67	42.8	2751.99	450593	9.6321 ng/ml
Mitragynine	5.248	16396	171.69	39.7	135.52	508801	9.4837 ng/ml
Morphine	1.327	4757	3326.91	19.1	259.74	7066	9.4411 ng/ml
Nordiazepam	5.903	48004	703.95	62.7	442.68	155552	10.1660 ng/ml
Norfentanyl	4.085	17756	6147.96	33.0	282.43	797232	1.0356 ng/ml
Norhydrocodone	3.061	4537	165.13	45.4	52.31	52044	9.3721 ng/ml
Noroxycodone	2.925	46003	1181.84	44.2	∞	153109	10.3894 ng/ml
O-desmethyl-tramadol	3.370	174572	1082.98	6.8	422.66	1017354	10.0522 ng/ml
Oxazepam	5.759	100741	1720.30	74.9	1143.02	557362	10.2894 ng/ml
Oxycodone	2.863	89313	2338.50	27.7	949.49	349432	10.0962 ng/ml
Oxymorphone	1.470	36211	1914.48	42.6	533.09	121486	10.5169 ng/ml
Phentermine	3.790	38526	∞	3.7	101.63	433855	10.8173 ng/ml
Promethazine	5.535	38629	20990.29	29.5	123.54	167243	9.6099 ng/ml
Quetiapine	5.552	69763	1022.49	58.8	697.06	94768	10.3636 ng/ml
Sertraline	5.772	1984	46.15	105.0	122.69	9333	8.5704 ng/ml
Temazepam	5.819	161317	531.28	29.2	267.54	776873	10.2214 ng/ml
Tramadol	4.251	190138	1083.44	3.7	140.58	987673	10.0266 ng/ml
Trazodone	5.208	61882	22913.61	78.1	915.46	272428	9.8876 ng/ml
Venlafaxine	5.048	158394	11788.48	43.6	293.81	868625	10.5230 ng/ml
Zolpidem	4.980	221636	2598.00	30.6	1621.93	1020511	9.9718 ng/ml

AM #28 Multi-Drug Quant. Results

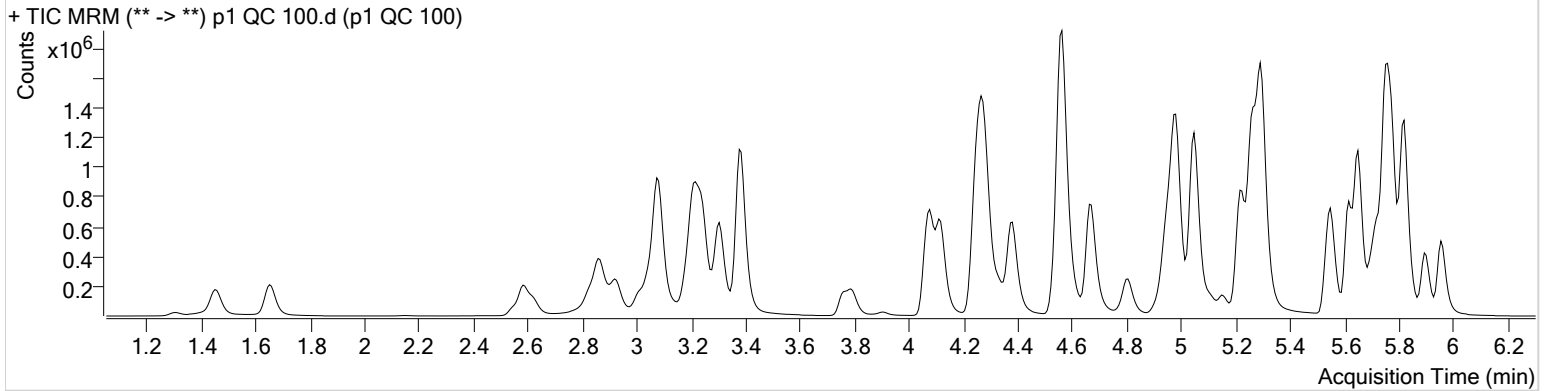


Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Calibration Last Update 12/21/2020 2:29:47 PM

Instrument Instrument 1
Type QC
Acq. Method AM 28 MDQ P1.m
Sample Position P2-G11
Injection Volume 2
Acq. Date-Time 12/16/2020 4:11:40 PM
Sample Info.

Data File p1 QC 100.d
Sample p1 QC 100
Operator Tamara Salazar
Comment

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.146	22373	∞	72.0	757.64	42925	10.7214 ng/ml
7-aminoclonazepam	4.290	283820	2215.28	85.8	256.96	97694	100.9601 ng/ml
a-hydroxyalprazolam	5.702	218536	2249.96	60.2	1086.91	54357	108.9042 ng/ml
alpha-PHP	4.949	229179	25329.63	267.2	82399.18	379073	110.8832 ng/ml
alpha-PVP	4.382	841262	37784.71	52.8	618.98	379073	107.1521 ng/ml
Alprazolam	5.778	719715	∞	113.6	6617.04	208114	106.1591 ng/ml
Amphetamine	3.084	1657727	∞	51.2	7267.35	168037	106.6737 ng/ml
Benzoylcegonine	3.905	35080	4023.54	7.6	∞	11374	102.4252 ng/ml
Buprenorphine	5.768	17012	1224.34	15.2	∞	55703	10.8446 ng/ml
Bupropion	4.807	353615	32524.04	58.7	5687.64	120271	105.7838 ng/ml
Carisoprodol	5.727	522868	∞	46.3	596.64	253577	108.4042 ng/ml
Citalopram	5.223	619954	788.39	47.4	644.68	256902	106.0616 ng/ml
Clonazepam	5.615	953556	1095.29	33.8	434.91	104629	107.4139 ng/ml
Cocaine	4.269	969170	44319.61	50.8	41608.39	737031	106.7024 ng/ml
Codeine	2.624	108990	1040.47	105.1	1248.24	50531	97.5497 ng/ml
Cyclobenzaprine	5.618	212193	44865.36	8.9	620.51	77370	103.4788 ng/ml
Dextromethorphan	5.273	357009	1897.06	77.4	2412.91	159799	105.3273 ng/ml
Dextrophan	4.117	302894	169874.42	214.9	2184.56	381311	101.3094 ng/ml
Diazepam	5.956	465748	3660.21	88.6	2048.59	217140	107.4994 ng/ml
Dihydrocodeine	2.582	297960	1813.02	59.6	888.94	151501	110.6630 ng/ml
Diphenhydramine	5.300	1668217	65600.60	33.1	26668.67	1102636	104.6958 ng/ml
Doxylamine	4.561	2410508	81067.41	102.1	∞	995256	104.7477 ng/ml
EDDP	5.265	1170915	98688.37	42.8	13535.21	608740	102.8392 ng/ml
Fentanyl	5.121	32286	2915.79	72.7	64213.11	148686	10.2493 ng/ml
Fluoxetine	5.703	102248	7046.75	9.6	∞	40431	103.1778 ng/ml
Hydrocodone	3.040	415604	∞	35.7	∞	232457	112.9680 ng/ml
Hydromorphone	1.654	307467	∞	70.7	∞	92074	102.3404 ng/ml
Ketamine	4.085	609786	86673.16	42.5	765.64	281725	104.8274 ng/ml
Lamotrigine	4.300	78552	10709.34	77.3	57531.69	281725	113.0554 ng/ml
Lorazepam	5.750	704323	∞	57.8	1931.23	104629	103.0217 ng/ml
MDA	3.211	1335643	30717.51	20.3	6987.38	315333	115.6799 ng/ml
MDMA	3.304	867455	192263.15	73.2	6874.00	86192	109.9214 ng/ml
Meprobamate	4.929	292685	26735.73	24.3	3373.00	135223	107.0345 ng/ml

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AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.649	1185613	2233.68	42.4	2083.18	493286	104.2494 ng/ml
Methamphetamine	3.245	1059517	5628.05	42.1	948.27	463060	113.5187 ng/ml
Metoprolol	4.332	175506	∞	86.2	3924.26	941721	105.5719 ng/ml
Mirtazapine	4.669	1351270	155149.38	42.5	85275.99	379073	106.9008 ng/ml
Mitragynine	5.248	160051	24130.68	40.3	13127.38	493286	103.9572 ng/ml
Morphine	1.307	46702	1412.17	20.5	400.97	6438	103.7620 ng/ml
Norbuprenorphine	4.997	1759	5315.56	95.3	2664.39	7707	10.1930 ng/ml
Nordiazepam	5.896	464708	2694.54	62.7	1030.01	142171	110.4778 ng/ml
Norfentanyl	4.092	171281	791.60	33.5	249.21	757780	10.9578 ng/ml
Norhydrocodone	3.075	37988	129.85	43.1	528.47	40606	96.9246 ng/ml
Noroxycodone	2.925	452798	1341.17	43.2	8344.50	142895	109.4329 ng/ml
O-desmethyl-tramadol	3.383	1778882	1086.92	6.8	1441.66	977225	107.5084 ng/ml
Oxazepam	5.753	881642	∞	75.7	3213.30	476370	110.2017 ng/ml
Oxycodone	2.857	915718	24715.84	27.1	3239.30	346445	108.6977 ng/ml
Oxymorphone	1.450	336965	∞	43.4	1964.11	118295	104.7754 ng/ml
Phentermine	3.797	355454	1754.86	3.5	215.93	392689	116.6914 ng/ml
Promethazine	5.535	453770	40417.54	27.3	2955.04	184818	103.7822 ng/ml
Quetiapine	5.552	700233	32395.65	59.0	27332.05	92927	108.9238 ng/ml
Sertraline	5.772	34004	556.44	99.3	∞	14495	103.2948 ng/ml
Temazepam	5.819	1576773	260714.32	28.9	6167.87	726341	107.6278 ng/ml
Tramadol	4.251	1841436	147705.56	3.7	9996.70	941721	107.8769 ng/ml
Trazodone	5.208	627264	58397.19	77.2	967.82	276460	105.2090 ng/ml
Venlafaxine	5.048	1575541	68903.78	43.5	39059.15	822461	110.5989 ng/ml
Zolpidem	4.980	2222246	185563.39	30.6	∞	965014	108.0868 ng/ml

TS



AM #28 Multi-Drug Quant. Results

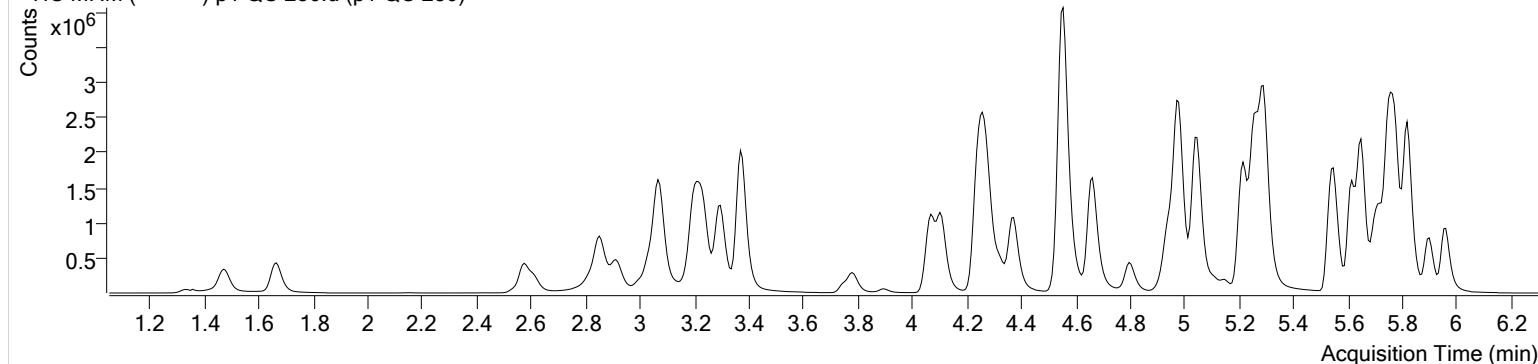
Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Calibration Last Update 12/21/2020 2:29:47 PM

Instrument Instrument 1
Type QC
Acq. Method AM 28 MDQ P1.m
Sample Position P2-F11
Injection Volume 2
Acq. Date-Time 12/16/2020 4:32:54 PM
Sample Info.

Data File p1 QC 250.d
Sample p1 QC 250
Operator Tamara Salazar
Comment

Sample Chromatogram

+ TIC MRM (** -> **) p1 QC 250.d (p1 QC 250)



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.139	50878	3192.94	73.4	3364.13	42730	24.4999 ng/ml
7-aminoclonazepam	4.283	703591	8205.92	85.2	1962.46	99462	245.4081 ng/ml
a-hydroxyalprazolam	5.695	449456	1445.26	61.9	1053.76	48643	250.9458 ng/ml
alpha-PHP	4.942	444959	4409.99	265.5	28642.03	311854	262.0335 ng/ml
alpha-PVP	4.375	1599039	139173.86	52.8	1597.13	311854	248.1837 ng/ml
Alprazolam	5.778	1482195	6799.62	115.0	3005.98	177790	255.4576 ng/ml
Amphetamine	3.071	2986084	24051.27	51.1	16842.64	140721	230.7701 ng/ml
Benzoylecgonine	3.892	89521	724.46	8.0	∞	11315	260.4825 ng/ml
Buprenorphine	5.768	35565	742.62	13.6	10954.27	48968	25.9511 ng/ml
Bupropion	4.800	645703	1792.38	58.2	802.69	92580	251.6594 ng/ml
Carisoprodol	5.727	1019931	∞	47.9	20341.69	216294	248.4637 ng/ml
Citalopram	5.223	1302929	27894.34	46.8	464.64	228976	250.2723 ng/ml
Clonazepam	5.615	1919865	7017.58	33.2	∞	92154	246.3796 ng/ml
Cocaine	4.263	2018918	147791.59	51.2	113100.22	641375	255.3907 ng/ml
Codeine	2.610	239293	∞	106.4	2369.08	44640	241.6601 ng/ml
Cyclobenzaprine	5.618	811567	57210.39	8.7	248.29	117065	261.3301 ng/ml
Dextromethorphan	5.266	785409	83520.16	78.7	14748.97	145517	254.8733 ng/ml
Dextrorphan	4.111	652596	972.46	212.5	69276.24	338262	245.9908 ng/ml
Diazepam	5.963	1008764	9858.42	87.5	2371.06	200332	252.5972 ng/ml
Dihydrocodeine	2.575	674205	75123.50	58.8	876.55	151342	251.6735 ng/ml
Diphenhydramine	5.294	3633434	230844.63	33.1	1637.63	1010149	248.9350 ng/ml
Doxylamine	4.554	5620334	508201.08	96.5	∞	943448	257.9457 ng/ml
EDDP	5.258	2479351	81940.10	43.6	24909.32	541956	244.6654 ng/ml
Fentanyl	5.114	94833	16648.36	73.8	339.32	183528	24.4160 ng/ml
Fluoxetine	5.703	658902	1834.52	9.6	537.15	105075	255.7097 ng/ml
Hydrocodone	3.034	892440	817.41	36.1	∞	231079	245.2482 ng/ml
Hydromorphone	1.665	681635	∞	71.9	∞	86430	242.0889 ng/ml
Ketamine	4.071	1242860	2943.39	41.4	1942.83	234364	257.5600 ng/ml
Lamotrigine	4.293	162671	8547.95	79.9	89453.87	234364	280.6206 ng/ml
Lorazepam	5.750	1158068	∞	57.5	∞	92154	193.5403 ng/ml
MDA	3.204	2569525	75083.12	20.1	38238.81	271251	260.0353 ng/ml
MDMA	3.298	1836604	8975.48	74.1	75002.96	77720	258.4153 ng/ml
Meprobamate	4.929	582416	49968.98	24.5	27509.09	122985	235.5261 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.649	2704918	2455.23	42.3	34811.49	466426	251.5527 ng/ml
Methamphetamine	3.239	1928103	1120.99	42.4	3666.24	375326	256.5983 ng/ml
Metoprolol	4.325	375723	∞	88.1	∞	847422	251.4685 ng/ml
Mirtazapine	4.663	3023182	133176.54	42.4	100638.81	311854	289.8696 ng/ml
Mitragynine	5.241	377750	3840.42	39.8	9353.61	466426	260.8855 ng/ml
Morphine	1.333	107851	∞	19.0	∞	6404	241.1937 ng/ml
Norbuprenorphine	4.997	3981	158.68	89.3	5831.56	7031	25.0730 ng/ml
Nordiazepam	5.903	979100	3245.65	62.6	12592.56	126696	261.5982 ng/ml
Norfentanyl	4.079	378800	39360.73	33.3	235.61	728724	25.2638 ng/ml
Norhydrocodone	3.061	74687	430.33	42.6	227.23	31219	247.2753 ng/ml
Noroxycodone	2.911	937418	2017.29	42.3	19449.98	124459	260.0970 ng/ml
O-desmethyl-tramadol	3.370	4054366	166802.60	6.8	1026.39	943152	254.0048 ng/ml
Oxazepam	5.753	1563435	56951.76	76.7	∞	367252	254.1686 ng/ml
Oxycodone	2.850	2090125	69534.50	27.6	26211.41	341139	252.5661 ng/ml
Oxymorphone	1.470	739669	∞	42.4	∞	105372	258.9279 ng/ml
Phentermine	3.783	660693	6567.64	3.6	1677.79	333615	256.1351 ng/ml
Promethazine	5.535	1697151	6341.40	27.3	1665.84	286393	250.7281 ng/ml
Quetiapine	5.552	1562769	∞	59.7	711993.74	87021	260.0175 ng/ml
Sertraline	5.772	288931	35057.04	101.1	18643.34	50835	251.5008 ng/ml
Temazepam	5.819	3453149	77503.86	29.4	519.56	678441	252.4567 ng/ml
Tramadol	4.245	3881612	276811.29	3.7	7337.99	847422	253.5852 ng/ml
Trazodone	5.208	1628049	698.13	77.4	130662.36	307928	246.1163 ng/ml
Venlafaxine	5.048	3430362	59119.33	43.6	55881.87	754284	262.5755 ng/ml
Zolpidem	4.980	5086601	9439.74	29.9	93254.77	922153	259.2461 ng/ml

AM #28 Multi-Drug Quant. Results

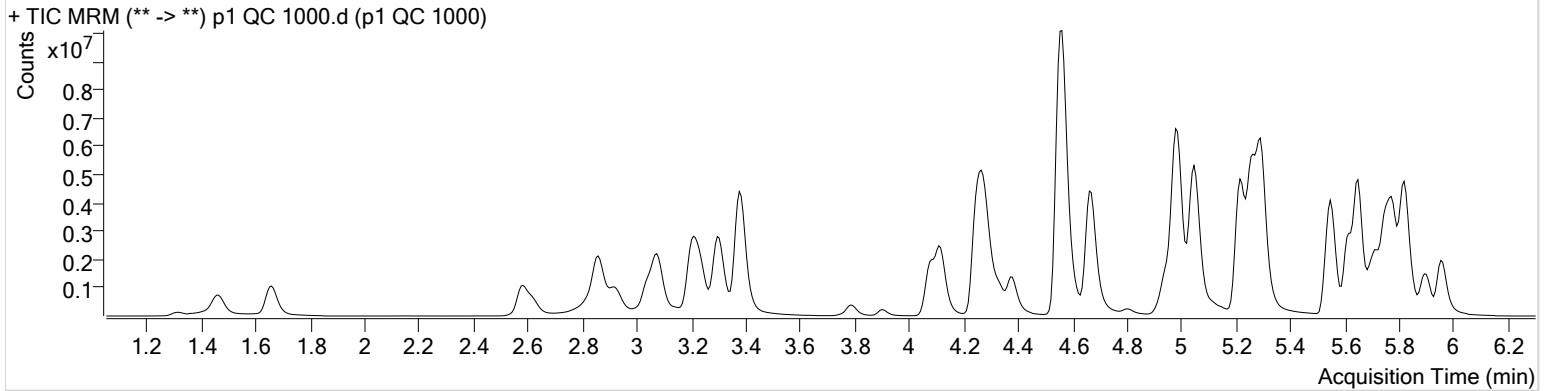


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Calibration Last Update 12/21/2020 2:29:47 PM

Instrument Instrument 1
Type QC
Acq. Method AM 28 MDQ P1.m
Sample Position P2-E11
Injection Volume 2
Acq. Date-Time 12/16/2020 4:54:07 PM
Sample Info.

Data File p1 QC 1000.d
Sample p1 QC 1000
Operator Tamara Salazar
Comment

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.146	179132	38847.07	73.4	41257.85	37388	98.5985 ng/ml
7-aminoclonazepam	4.290	1489841	15668.53	85.5	7941.65	50823	1016.0328 ng/ml
a-hydroxyalprazolam	5.695	1035858	320.57	62.2	286.67	31980	880.9665 ng/ml
alpha-PHP	4.948	713888	132001.10	268.2	12592.85	106427	1232.8151 ng/ml
alpha-PVP	4.382	1943852	57827.08	52.8	4309.48	106427	885.2447 ng/ml
Alprazolam	5.778	3577985	1144.04	112.9	∞	106331	1030.1091 ng/ml
* Amphetamine	3.078	3792122	31013.65	50.9	110670.54	55416	746.7357 ng/ml
Benzoylcegonine	3.898	383789	81085.87	8.0	31153.01	10852	1159.3642 ng/ml
Buprenorphine	5.762	70956	3691.18	13.9	10020.45	25831	98.4757 ng/ml
Bupropion	4.807	239051	54086.30	58.0	1389.17	9216	937.3971 ng/ml
Carisoprodol	5.727	2250365	3728180.43	45.9	17617.33	123131	964.2321 ng/ml
Citalopram	5.223	2886769	122524.22	47.0	583.32	124227	1022.4719 ng/ml
Clonazepam	5.615	4156507	33797.24	33.4	75815.82	57068	862.9837 ng/ml
Cocaine	4.269	4896053	∞	50.7	70993.95	383497	1035.7360 ng/ml
Codeine	2.617	687623	7882.12	102.3	23992.58	28603	1081.9360 ng/ml
Cyclobenzaprine	5.618	1371869	115962.25	8.6	2054.42	49336	1047.7161 ng/ml
Dextromethorphan	5.273	1487192	∞	77.4	44014.93	69277	1014.5985 ng/ml
Dextrophan	4.117	1786047	4395.05	214.9	117768.54	226470	1005.4322 ng/ml
Diazepam	5.956	2568184	∞	89.0	∞	131898	977.2250 ng/ml
Dihydrocodeine	2.582	1934529	657.70	59.7	585.06	132805	824.7453 ng/ml
Diphenhydramine	5.300	8579726	340990.86	33.5	2757.72	584870	1015.2960 ng/ml
Doxylamine	4.562	15635822	729329.46	98.9	629577.43	741022	914.1679 ng/ml
EDDP	5.265	7015855	51069.96	42.9	125097.97	384837	975.1583 ng/ml
Fentanyl	5.121	227777	20256.50	72.1	340153.47	107976	99.7384 ng/ml
Fluoxetine	5.703	725598	308627.04	9.7	∞	29698	996.0707 ng/ml
Hydrocodone	3.040	2518270	754.91	35.5	∞	194814	823.3338 ng/ml
Hydromorphone	1.659	1925821	∞	68.7	2293.80	62578	945.5074 ng/ml
Ketamine	4.078	2114987	1188.59	41.0	5106.34	107552	956.4216 ng/ml
Lamotrigine	4.300	355154	102335.27	78.8	∞	107552	1332.9866 ng/ml
* Lorazepam	5.743	1337874	∞	61.3	4256.19	57068	362.2704 ng/ml
MDA	3.211	5588346	105621.22	19.9	18119.75	180964	850.1146 ng/ml
MDMA	3.298	4573379	13436.45	74.8	172436.06	51185	977.7430 ng/ml
* Meprobamate	4.929	1227841	686923.53	24.1	19574.33	93530	654.9031 ng/ml

AM #28 Multi-Drug Quant. Results



TS CG

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.649	6771334	∞	42.2	1031.71	289890	1013.2459 ng/ml
Methamphetamine	3.239	1954177	12232.55	42.4	4335.94	112363	872.0151 ng/ml
Metoprolol	4.332	954327	1667237.99	89.0	5232.75	580617	932.8439 ng/ml
* Mirtazapine	4.663	8443359	928392.57	42.9	513758.34	106427	2368.6504 ng/ml
* Mitragynine	5.241	658628	7745.32	40.3	7565.41	289890	733.5598 ng/ml
Morphine	1.313	307346	678.28	21.8	∞	5037	874.4128 ng/ml
Norbuprenorphine	4.997	7594	2966.51	98.5	20617.99	3258	102.7704 ng/ml
Nordiazepam	5.903	2216682	15282.24	61.5	∞	76076	987.1445 ng/ml
Norfentanyl	4.085	1099907	127967.99	33.9	12851.13	610719	87.6523 ng/ml
Norhydrocodone	3.068	202920	120.44	45.5	100.28	18305	1144.4163 ng/ml
Noroxycodone	2.918	2085475	17119.77	43.4	∞	68102	1057.4325 ng/ml
O-desmethyl-tramadol	3.377	11294260	189314.32	6.9	39243.47	667741	999.6925 ng/ml
Oxazepam	5.753	2178760	59655.43	74.7	7828.18	141884	918.1856 ng/ml
Oxycodone	2.857	6464591	11547.71	27.5	39531.67	283864	940.0290 ng/ml
Oxymorphone	1.463	2032289	2302.66	42.4	3146.79	79441	944.9692 ng/ml
Phentermine	3.790	982229	7918.82	3.6	437.84	135864	936.8767 ng/ml
Promethazine	5.535	2877365	8027.24	26.9	1915.16	120937	1007.1661 ng/ml
Quetiapine	5.552	4756138	343842.65	61.0	263372.45	70030	984.1915 ng/ml
Sertraline	5.765	220265	10120.20	101.4	28538.52	10191	958.7858 ng/ml
Temazepam	5.819	8342872	120833.30	28.8	31749.79	420704	983.8456 ng/ml
Tramadol	4.251	9259209	294899.62	3.8	17911.78	580617	884.5041 ng/ml
Trazodone	5.208	5082725	1231727.37	78.1	580557.30	272347	870.5652 ng/ml
Venlafaxine	5.048	9661554	3485.62	43.4	34379.35	523887	1064.7927 ng/ml
Zolpidem	4.986	14245157	∞	31.7	170114.23	736129	910.1110 ng/ml

*Outside curve range.

TS 9



Idaho State Police Forensic Services

AM #25 Blood and Urine Multi-Drug Screen by LCMS-QQQ And AM #28 Urine Multi-Drug Confirmatory Analysis by LCMS-QQQ—Panel 1

Methanol External Control Solution (Lot: 031820)

100 ul of 1mg/mL stock was added to each drug to 9700 ul of LC MeOH.

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>	<i>Expiration Date</i>
Methanol (LCMS)	Fisher	193068	
O-desmethyl Tramadol	Cerilliant	FN01241702	04/30/2022
Amphetamine	Cerilliant	FE04061701	06/30/2022
Alprazolam	Cerilliant	FE07061604	07/31/2021
Prepared: 03/18/20			
Prepared By: Sarah Pickle			
Expires: 03/18/21			

Urine External Control Solution (Lot: WS052220)

200 ul of methanol external control solution was added to 9800 ul of urine.

Approximately 100ng/mL of each compound.

<i>Component</i>	<i>Source</i>	<i>Source Lot Number</i>
Negative Urine	Pocatello Lab	POC031319
Methanol External Control Solution		031820
Prepared:	05/22/20	
Prepared by:	Celena Shrum	
Expires:	03/18/21	

AM #28 Multi-Drug Quant. Results

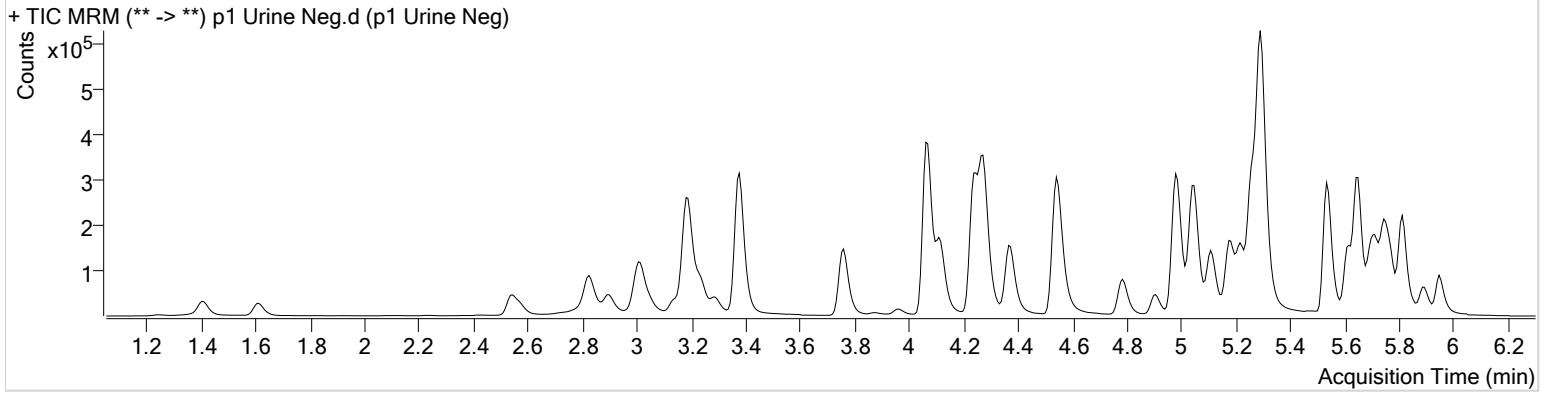


TS
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Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Calibration Last Update 12/22/2020 9:29:33 AM

Instrument	Instrument 1	Data File	p1 Urine Neg.d
Type	Sample	Sample	p1 Urine Neg
Acq. Method	AM 28 MDQ P1.m	Operator	Tamara Salazar
Sample Position	P2-G8	Comment	
Injection Volume	2		
Acq. Date-Time	12/17/2020 10:52:22 AM		
Sample Info.			

Sample Chromatogram



AM #28 Multi-Drug Quant. Results

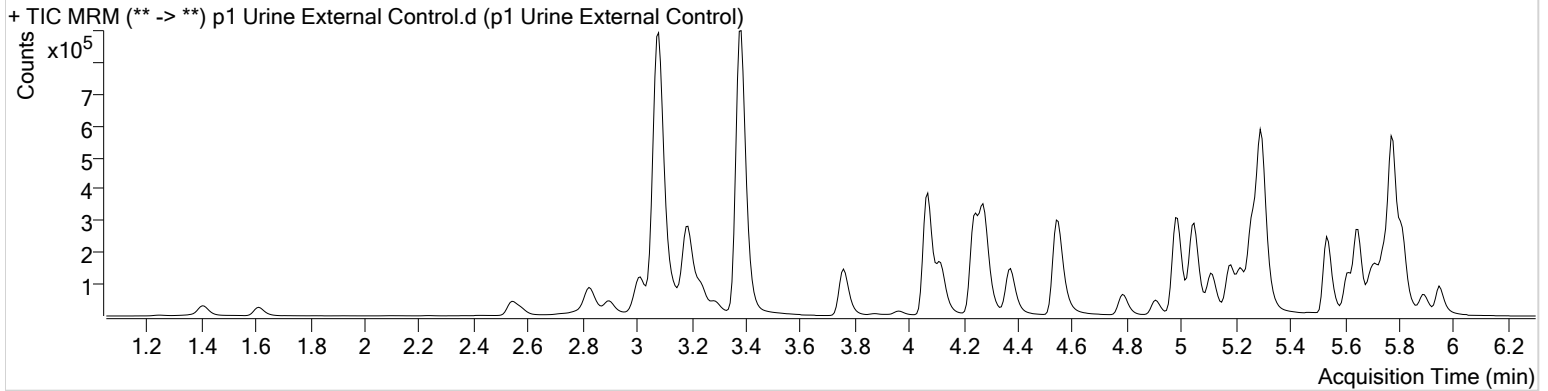


Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Calibration Last Update 12/22/2020 9:29:33 AM

Instrument Instrument 1
Type Sample
Acq. Method AM 28 MDQ P1.m
Sample Position P2-F8
Injection Volume 2
Acq. Date-Time 12/17/2020 11:13:35 AM
Sample Info.

Data File p1 Urine External Control.d
Sample p1 Urine External Control
Operator Tamara Salazar
Comment

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Alprazolam	5.778	483273	2305.30	112.7	1571.13	135188	109.7258 ng/ml
Amphetamine	3.084	1751123	12290.54	52.1	28218.94	177106	106.9161 ng/ml
O-desmethyl-tramadol	3.383	1502149	76702.75	6.7	578.62	794177	111.7118 ng/ml

AM #28 Multi-Drug Quant. Results

TS

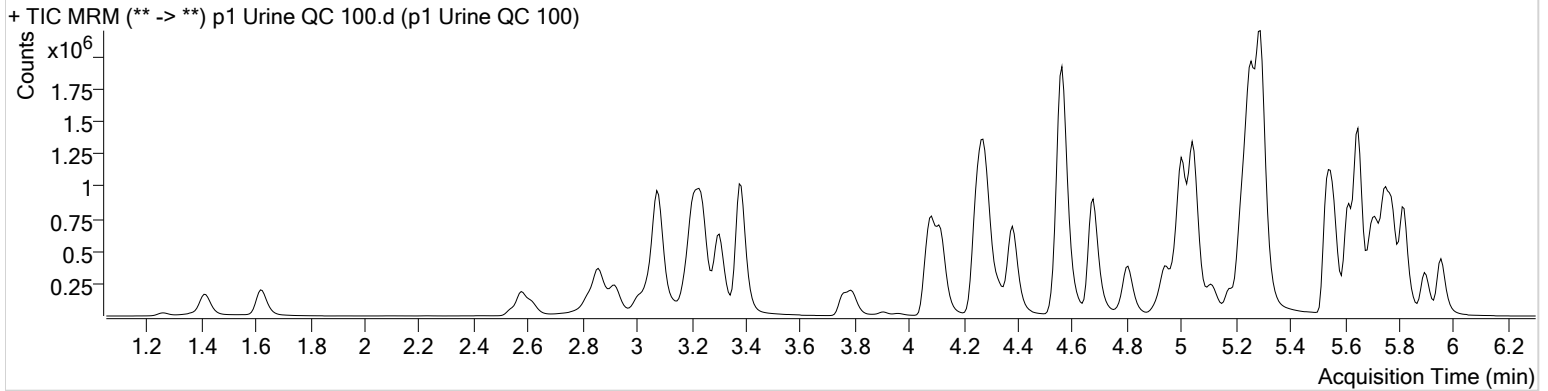


Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Calibration Last Update 12/22/2020 9:29:33 AM

Instrument Instrument 1
Type Sample
Acq. Method AM 28 MDQ P1.m
Sample Position P2-D11
Injection Volume 2
Acq. Date-Time 12/17/2020 11:34:48 AM
Sample Info.

Data File p1 Urine QC 100.d
Sample p1 Urine QC 100
Operator Tamara Salazar
Comment

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.146	20569	1240.03	71.5	53894.74	39922	10.5987 ng/ml
7-aminoclonazepam	4.290	334774	4478.99	86.0	510.37	114389	101.7028 ng/ml
a-hydroxyalprazolam	5.695	159729	976.36	60.8	753.68	40968	105.5969 ng/ml
alpha-PHP	4.948	208677	6421.16	269.1	15698.32	416216	91.9104 ng/ml
alpha-PVP	4.382	924192	34311.03	52.2	1210.18	416216	107.2105 ng/ml
Alprazolam	5.778	469843	1692.96	113.7	842.83	132877	108.5354 ng/ml
Amphetamine	3.078	1749531	15156.84	51.8	14215.78	191595	98.6533 ng/ml
Benzoylcegonine	3.905	42342	8286.88	8.3	488.01	10788	129.9493 ng/ml
Buprenorphine	5.795	19884	9492.52	13.9	7009.87	64752	10.9048 ng/ml
Bupropion	4.807	560450	127884.23	58.2	526.00	191715	105.1764 ng/ml
Carisoprodol	5.727	431812	∞	45.6	288.49	205039	110.7285 ng/ml
Citalopram	5.216	807725	9517.60	47.0	∞	343810	103.2514 ng/ml
Clonazepam	5.615	662945	17350.85	34.2	23054.70	74393	105.0152 ng/ml
Cocaine	4.276	871331	242378.80	51.0	11530.03	659303	107.2403 ng/ml
Codeine	2.617	103678	628.00	104.2	5703.32	46191	101.4935 ng/ml
Cyclobenzaprine	5.618	637484	25578.88	8.9	260.94	234786	102.4462 ng/ml
Dextromethorphan	5.266	575624	11007.69	76.4	862.77	250917	108.1618 ng/ml
Dextrophan	4.117	295907	30735.67	214.3	98358.06	372618	101.2811 ng/ml
Diazepam	5.956	405237	11617.99	88.5	6734.06	191471	106.0695 ng/ml
Dihydrocodeine	2.575	276711	5304.26	58.9	11824.85	140375	110.9186 ng/ml
Diphenhydramine	5.294	2224912	460.33	32.9	387.94	1449817	106.1963 ng/ml
Doxylamine	4.561	2452781	197606.15	99.1	503744.16	998214	106.2719 ng/ml
EDDP	5.258	1111310	31215.37	43.4	1140.15	586452	101.3128 ng/ml
Fentanyl	5.121	82591	419.04	74.4	501.73	379987	10.2591 ng/ml
Fluoxetine	5.703	600188	41588.87	9.8	3975.18	239969	102.0437 ng/ml
Hydrocodone	3.040	393866	352.09	34.7	129.96	224766	110.7018 ng/ml
Hydromorphone	1.628	295968	∞	73.6	348.04	91005	99.6624 ng/ml
Ketamine	4.085	750709	15432.42	41.1	670.84	338558	107.4015 ng/ml
Lamotrigine	4.306	78859	2850.24	76.5	11291.26	338558	94.5339 ng/ml
Lorazepam	5.743	371430	1182.74	56.3	∞	74393	76.0479 ng/ml
MDA	3.211	1364010	∞	20.4	640.07	319492	116.6076 ng/ml
MDMA	3.304	868723	2952993.38	73.9	17829.94	86306	109.9373 ng/ml
Meprobamate	4.929	272243	661484.37	24.4	369.06	121957	110.4242 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.649	1613221	12712.20	41.9	973.94	675517	103.5825 ng/ml
Methamphetamine	3.245	1220475	1298.90	42.3	675.74	513760	117.9129 ng/ml
Metoprolol	4.332	170111	884120.74	87.0	∞	822563	117.1742 ng/ml
Mirtazapine	4.676	1673344	8014.30	42.9	22049.46	416216	120.5038 ng/ml
Mitragynine	5.248	292402	19685.19	40.0	10521.55	675517	139.0003 ng/ml
Morphine	1.266	47961	2777.95	20.2	∞	6684	102.6440 ng/ml
Norbuprenorphine	4.991	2469	322.16	95.3	3051.23	10819	10.1900 ng/ml
Nordiazepam	5.896	363155	13537.78	62.1	20403.63	114079	107.5875 ng/ml
Norfentanyl	4.092	164629	1180.05	32.3	192.10	749523	10.6469 ng/ml
Norhydrocodone	3.075	34450	380.00	43.8	65.78	36089	98.8897 ng/ml
Noroxycodone	2.918	429540	1568.31	43.1	1749.69	138951	106.7589 ng/ml
O-desmethyl-tramadol	3.383	1618596	51605.77	6.8	5998.44	892221	107.1406 ng/ml
Oxazepam	5.753	445689	2829.04	74.8	585.41	266502	99.5294 ng/ml
Oxycodone	2.857	876031	3218.73	27.5	1939.28	325882	110.5558 ng/ml
Oxymorphone	1.417	320971	∞	43.9	3387.78	108723	108.6075 ng/ml
Phentermine	3.797	388903	2911.98	3.5	827.50	431908	116.0756 ng/ml
Promethazine	5.535	1348032	805765.37	27.0	2215.31	544161	104.7152 ng/ml
Quetiapine	5.559	847935	57757.88	59.5	226205.09	109777	111.6616 ng/ml
Sertraline	5.772	125131	1453.40	97.2	10796.31	54656	100.7895 ng/ml
Temazepam	5.819	946247	6048.03	30.4	367.87	457353	102.5728 ng/ml
Tramadol	4.251	1702379	90994.97	3.6	2529.51	822563	114.2162 ng/ml
Trazodone	5.235	1083297	702.73	78.0	∞	497619	100.9163 ng/ml
Venlafaxine	5.048	1543942	878.81	42.8	1035.32	809124	110.1672 ng/ml
Zolpidem	5.007	2045055	161216.61	30.7	6538.35	933378	102.8281 ng/ml

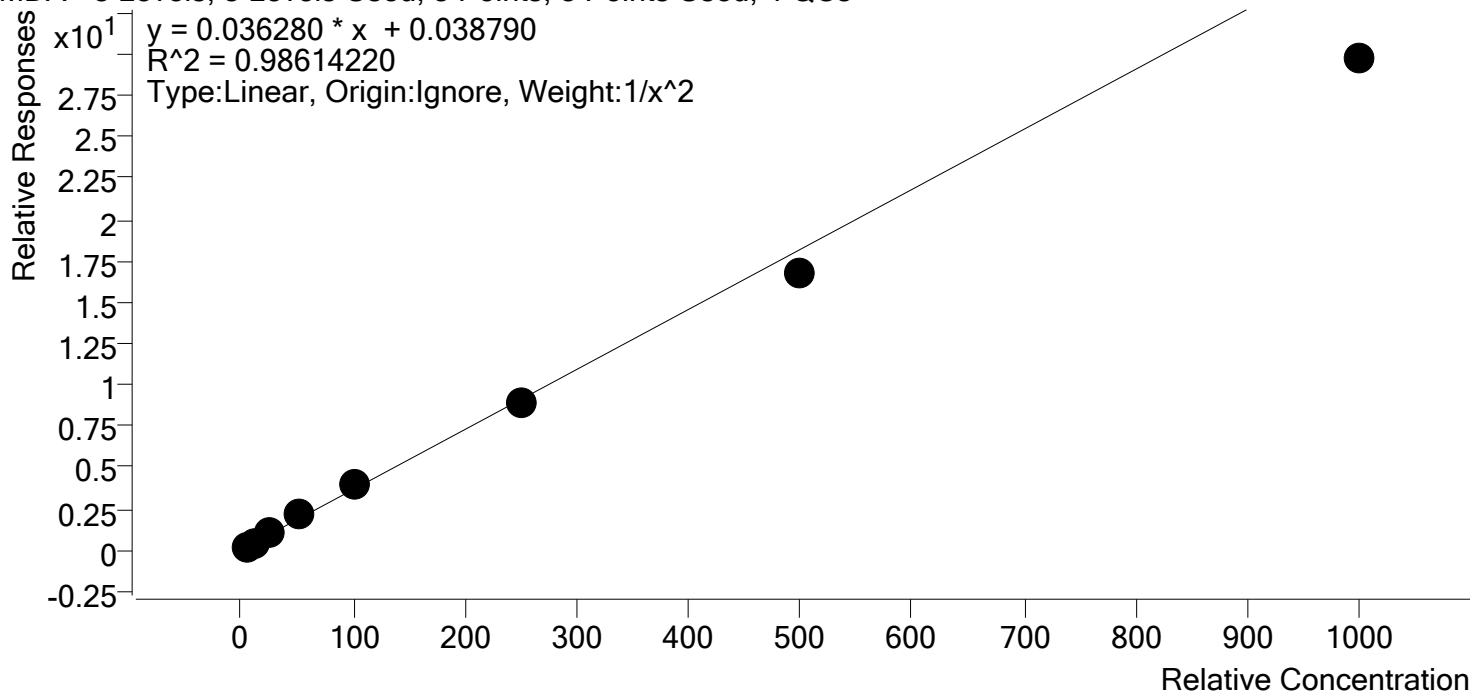
CS TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 12/21/2020 2:29 PM
Analyst Name ISP\Datastor
Analyte MDA **Internal Standard** MDA-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.1
p1 Cal 2- 10ng	2	✓	10.0	10.6	106.0
p1 Cal 3 -25ng	3	✓	25.0	26.8	107.2
p1 Cal 4-50ng	4	✓	50.0	56.4	112.8
p1 Cal 5-100ng	5	✓	100.0	107.6	107.6
p1 Cal 6-250ng	6	✓	250.0	245.8	98.3
p1 Cal 7-500ng	7	✓	500.0	460.7	92.1
p1 Cal 8-1000ng	8	✓	1000.0	817.9	81.8

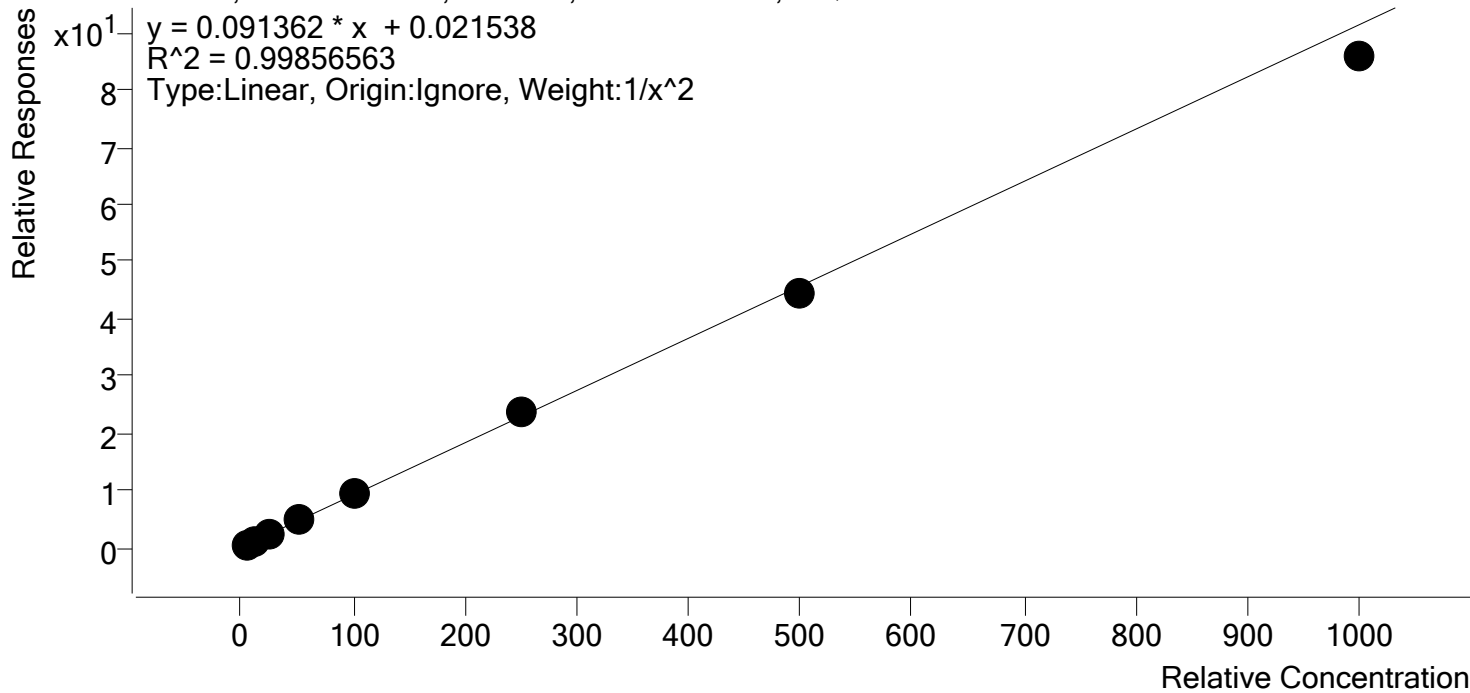
CS TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 12/21/2020 2:29 PM
Analyst Name ISP\Datastor
Analyte MDMA **Internal Standard** MDMA-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.2
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.2
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.0
p1 Cal 4-50ng	4	✓	50.0	51.4	102.9
p1 Cal 5-100ng	5	✓	100.0	99.8	99.8
p1 Cal 6-250ng	6	✓	250.0	258.8	103.5
p1 Cal 7-500ng	7	✓	500.0	487.7	97.5
p1 Cal 8-1000ng	8	✓	1000.0	939.0	93.9

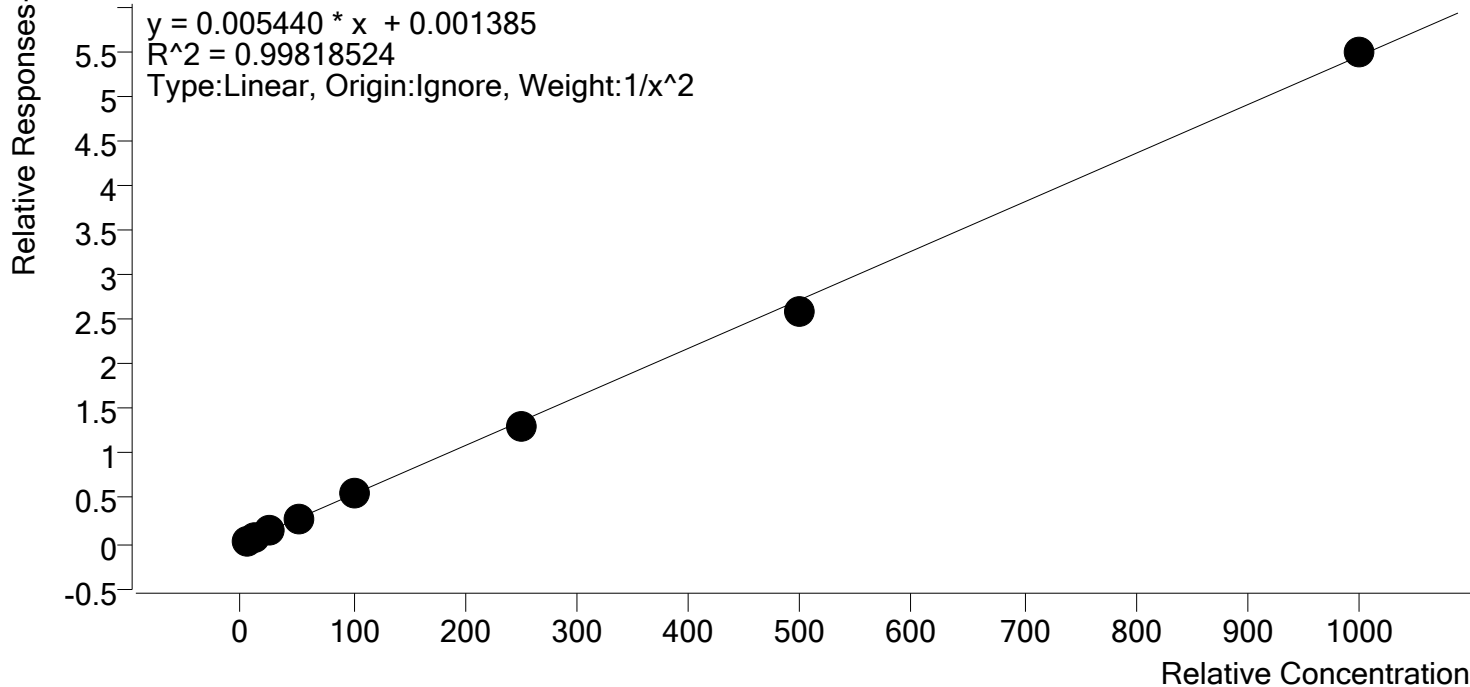
CS TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 12/21/2020 2:29 PM
Analyst Name ISP\Datastor
Analyte alpha-PHP **Internal Standard** alpha-PVP-d8

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



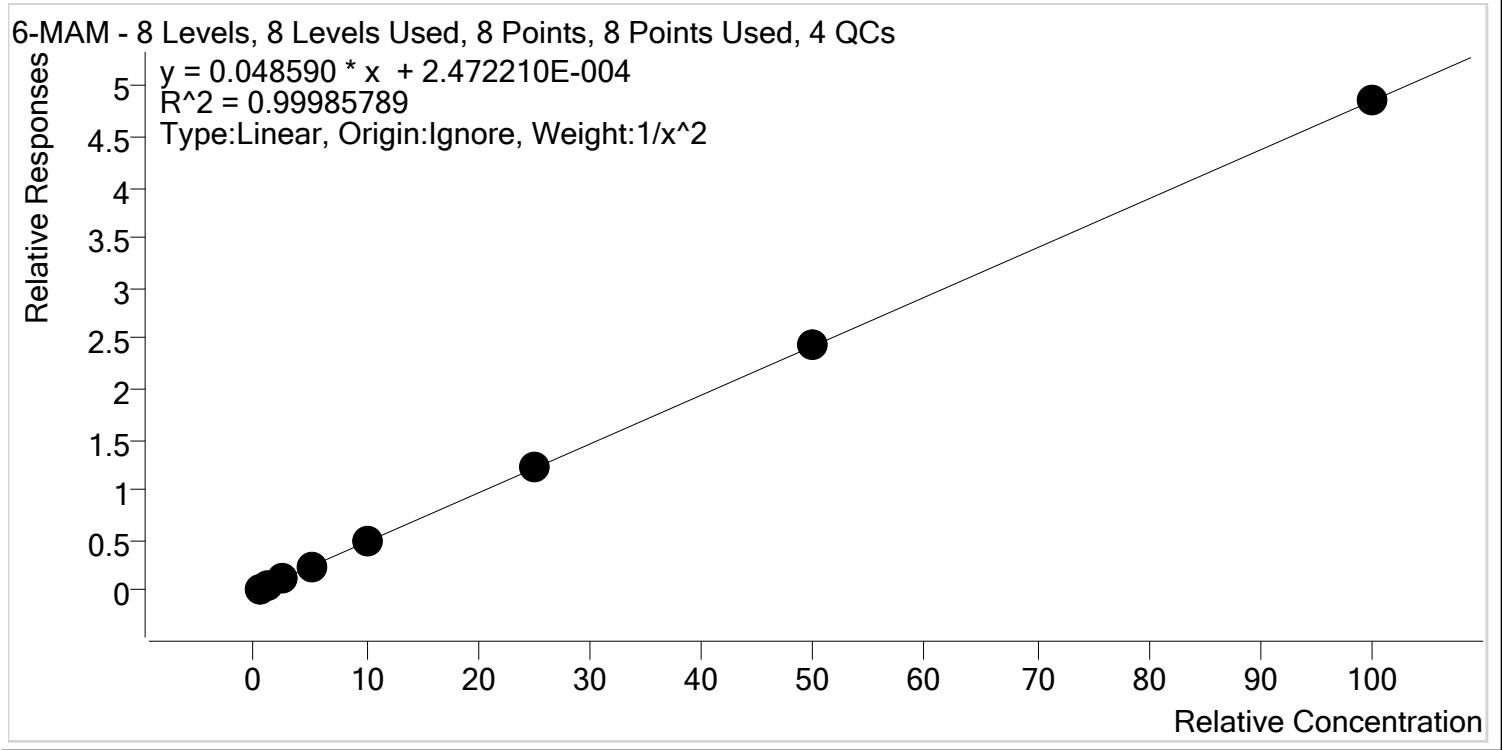
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.8
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.7
p1 Cal 3 -25ng	3	✓	25.0	26.3	105.4
p1 Cal 4-50ng	4	✓	50.0	52.0	104.0
p1 Cal 5-100ng	5	✓	100.0	99.6	99.6
p1 Cal 6-250ng	6	✓	250.0	237.6	95.0
p1 Cal 7-500ng	7	✓	500.0	478.6	95.7
p1 Cal 8-1000ng	8	✓	1000.0	1007.1	100.7

CS TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 12/21/2020 2:29 PM
Analyst Name ISP\Datastor
Analyte 6-MAM **Internal Standard** 6-MAM-D6



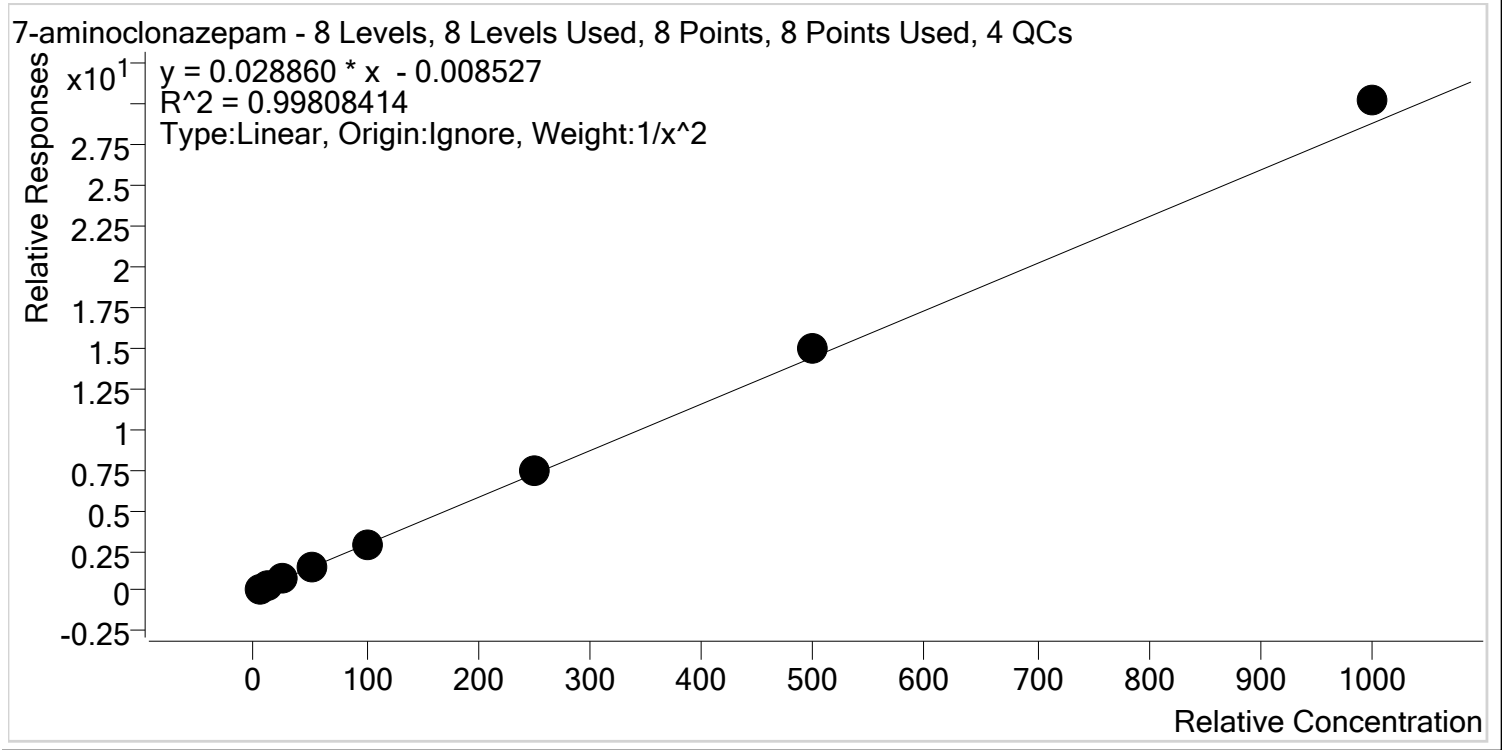
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	99.4
p1 Cal 2- 10ng	2	✓	1.0	1.0	101.6
p1 Cal 3 -25ng	3	✓	2.5	2.5	98.8
p1 Cal 4-50ng	4	✓	5.0	5.0	100.6
p1 Cal 5-100ng	5	✓	10.0	9.9	98.6
p1 Cal 6-250ng	6	✓	25.0	25.2	100.7
p1 Cal 7-500ng	7	✓	50.0	50.1	100.2
p1 Cal 8-1000ng	8	✓	100.0	100.1	100.1

CS TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 12/21/2020 2:29 PM
Analyst Name ISP\Datastor
Analyte 7-aminoclonazepam **Internal Standard** 7-Aminoclonazepam-D4



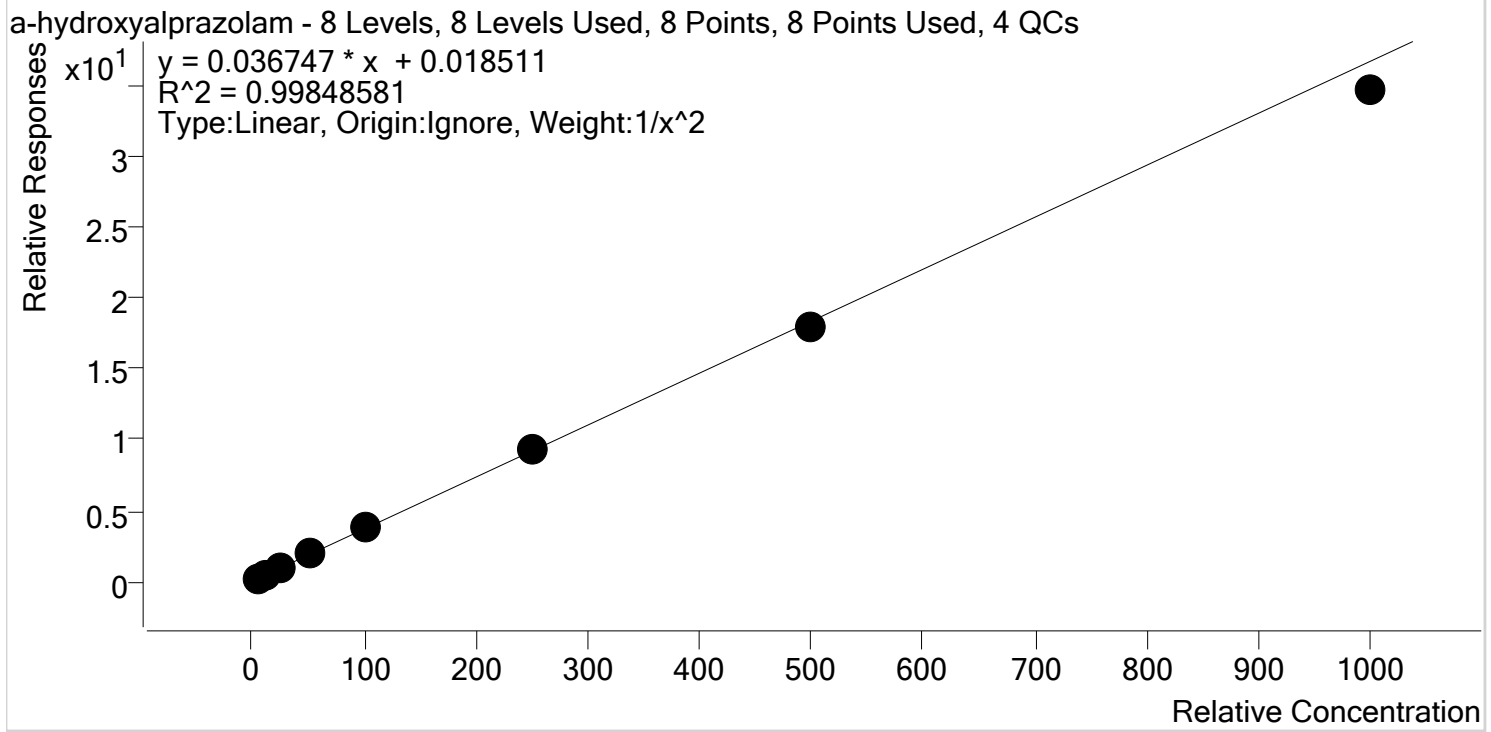
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	102.5
p1 Cal 2- 10ng	2	✓	10.0	9.7	97.1
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.4
p1 Cal 4-50ng	4	✓	50.0	48.8	97.6
p1 Cal 5-100ng	5	✓	100.0	95.3	95.3
p1 Cal 6-250ng	6	✓	250.0	255.1	102.0
p1 Cal 7-500ng	7	✓	500.0	520.9	104.2
p1 Cal 8-1000ng	8	✓	1000.0	1048.6	104.9

CS TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 12/21/2020 2:29 PM
Analyst Name ISP\Datastor
Analyte a-hydroxyalprazolam **Internal Standard** a-hydroxyalprazolam-D5



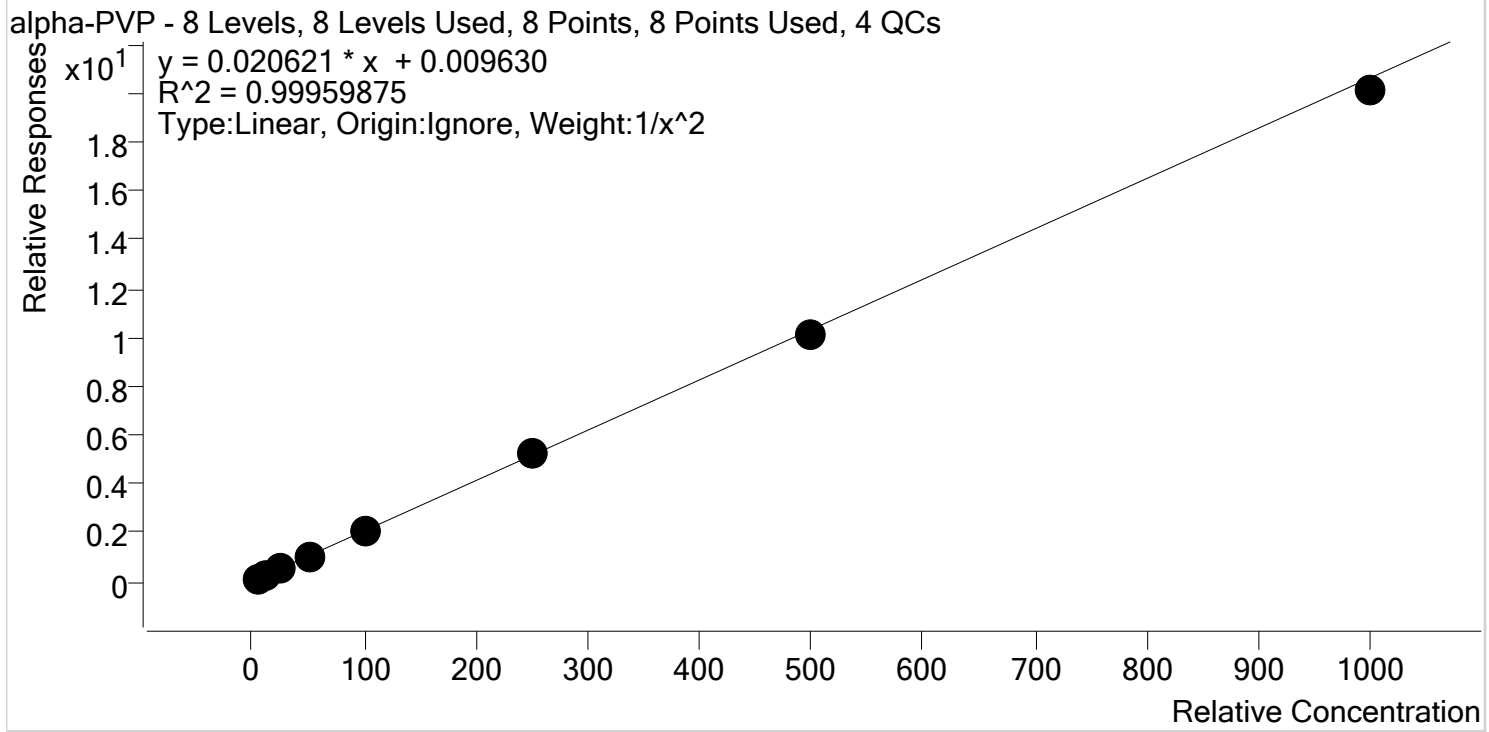
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.2
p1 Cal 2- 10ng	2	✓	10.0	9.6	96.3
p1 Cal 3 -25ng	3	✓	25.0	25.2	101.0
p1 Cal 4-50ng	4	✓	50.0	51.8	103.6
p1 Cal 5-100ng	5	✓	100.0	103.1	103.1
p1 Cal 6-250ng	6	✓	250.0	256.2	102.5
p1 Cal 7-500ng	7	✓	500.0	490.0	98.0
p1 Cal 8-1000ng	8	✓	1000.0	944.4	94.4

CS TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 12/21/2020 2:29 PM
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	5.0	99.8
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.8
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.0
p1 Cal 4-50ng	4	✓	50.0	51.5	103.0
p1 Cal 5-100ng	5	✓	100.0	100.9	100.9
p1 Cal 6-250ng	6	✓	250.0	252.6	101.0
p1 Cal 7-500ng	7	✓	500.0	490.3	98.1
p1 Cal 8-1000ng	8	✓	1000.0	974.8	97.5

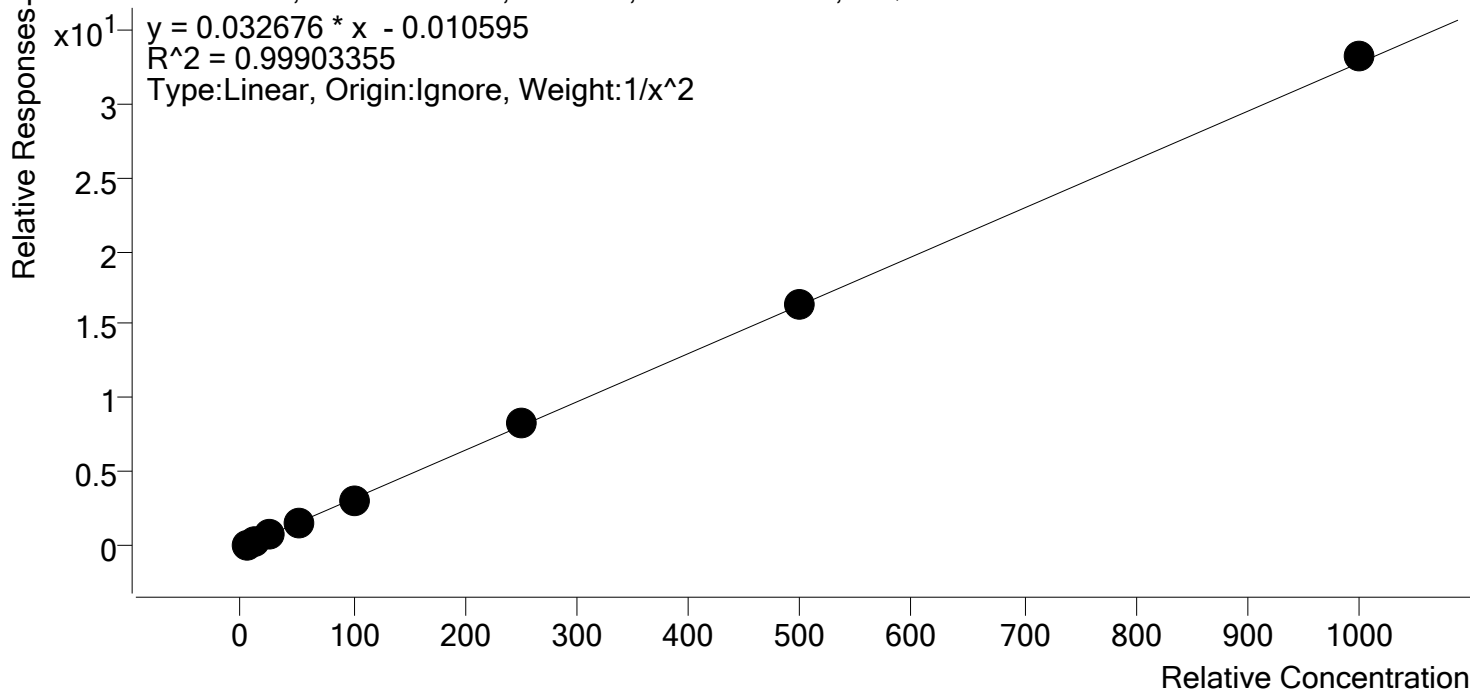
CS TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 12/21/2020 2:29 PM
Analyst Name ISP\Datastor
Analyte Alprazolam **Internal Standard** Alprazolam-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.7
p1 Cal 2- 10ng	2	✓	10.0	9.9	98.7
p1 Cal 3 -25ng	3	✓	25.0	23.6	94.5
p1 Cal 4-50ng	4	✓	50.0	50.3	100.5
p1 Cal 5-100ng	5	✓	100.0	98.7	98.7
p1 Cal 6-250ng	6	✓	250.0	258.7	103.5
p1 Cal 7-500ng	7	✓	500.0	505.2	101.0
p1 Cal 8-1000ng	8	✓	1000.0	1013.1	101.3

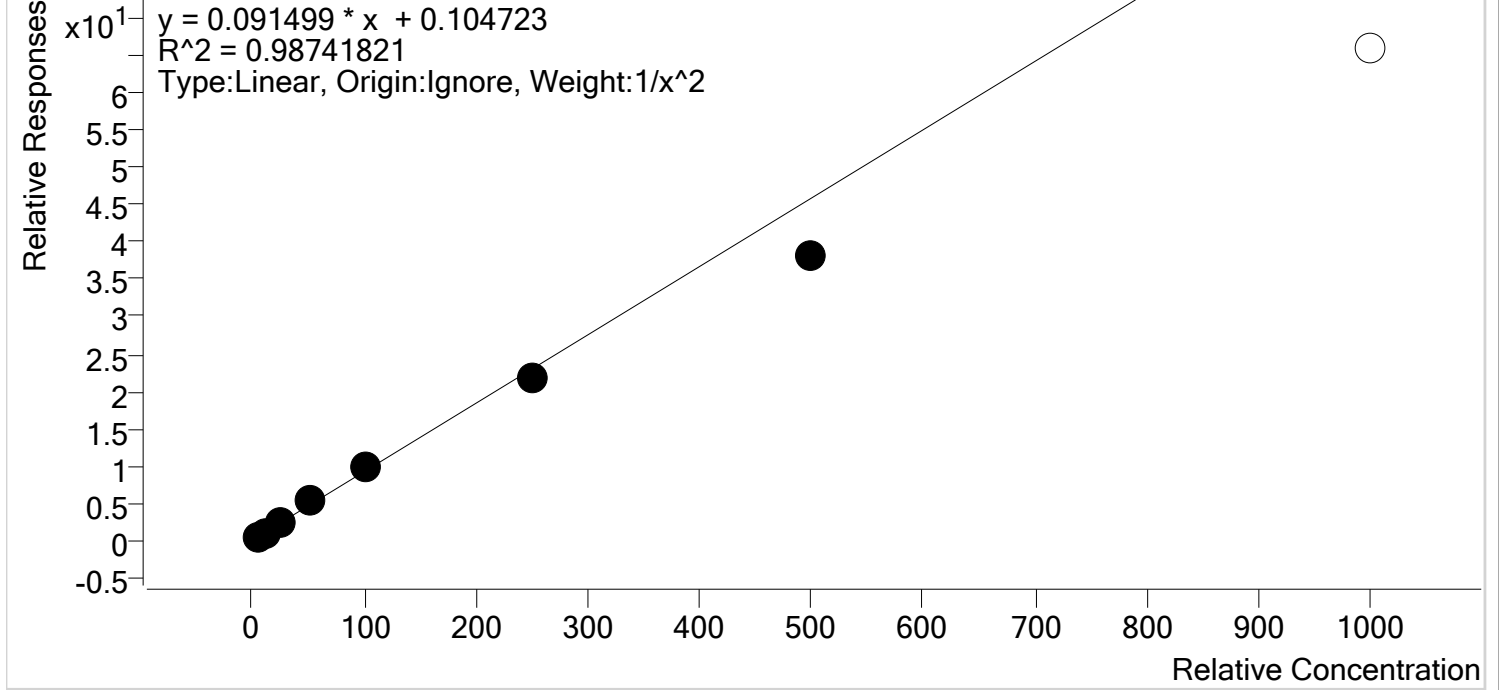


CS TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 12/21/2020 2:29 PM
Analyst Name ISP\Datastor
Analyte Amphetamine **Internal Standard** Amphetamine-D11

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.7
p1 Cal 2- 10ng	2	✓	10.0	10.4	103.7
p1 Cal 3 -25ng	3	✓	25.0	26.8	107.0
p1 Cal 4-50ng	4	✓	50.0	55.7	111.3
p1 Cal 5-100ng	5	✓	100.0	104.2	104.2
p1 Cal 6-250ng	6	✓	250.0	238.3	95.3
p1 Cal 7-500ng	7	✓	500.0	413.8	82.8
p1 Cal 8-1000ng	8	✗	1000.0	718.8	71.9

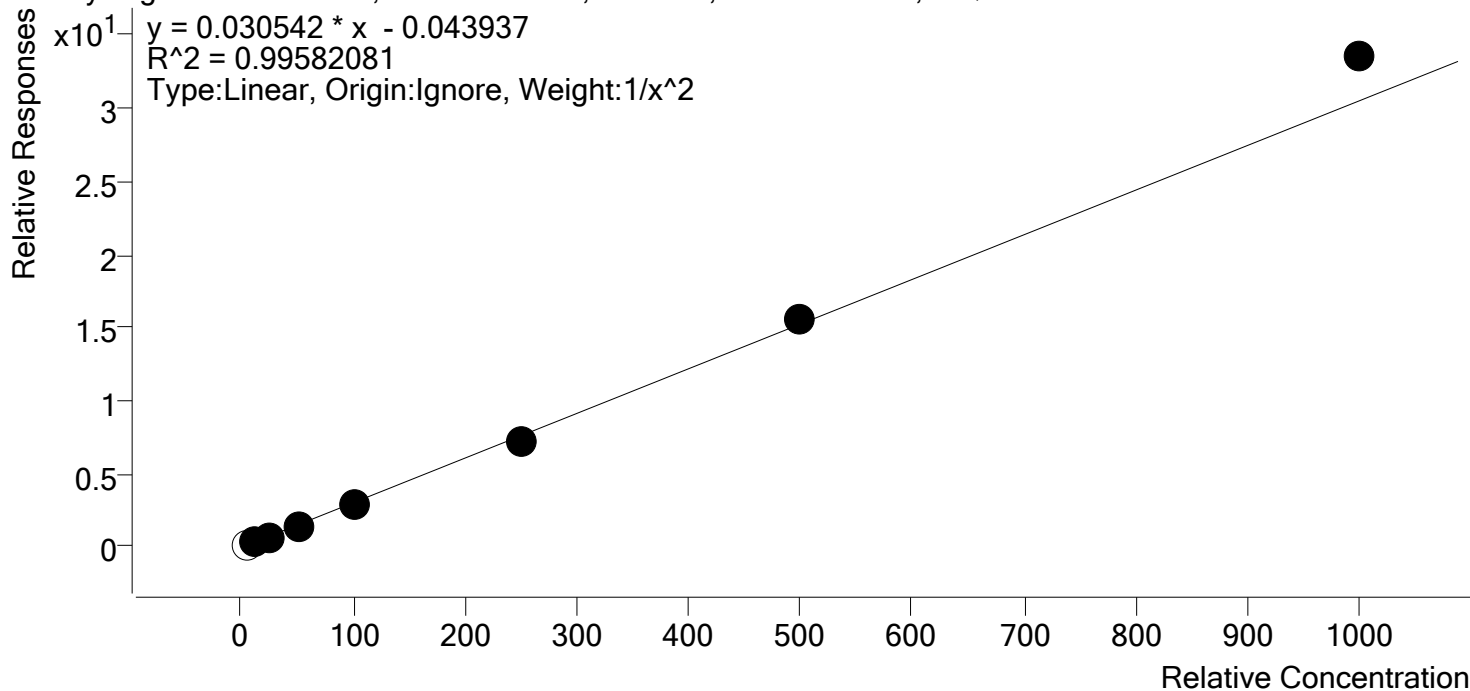
CS TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 12/21/2020 2:29 PM
Analyst Name ISP\Datastor
Analyte Benzoylecgonine **Internal Standard** Benzoylecgonine-d8

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



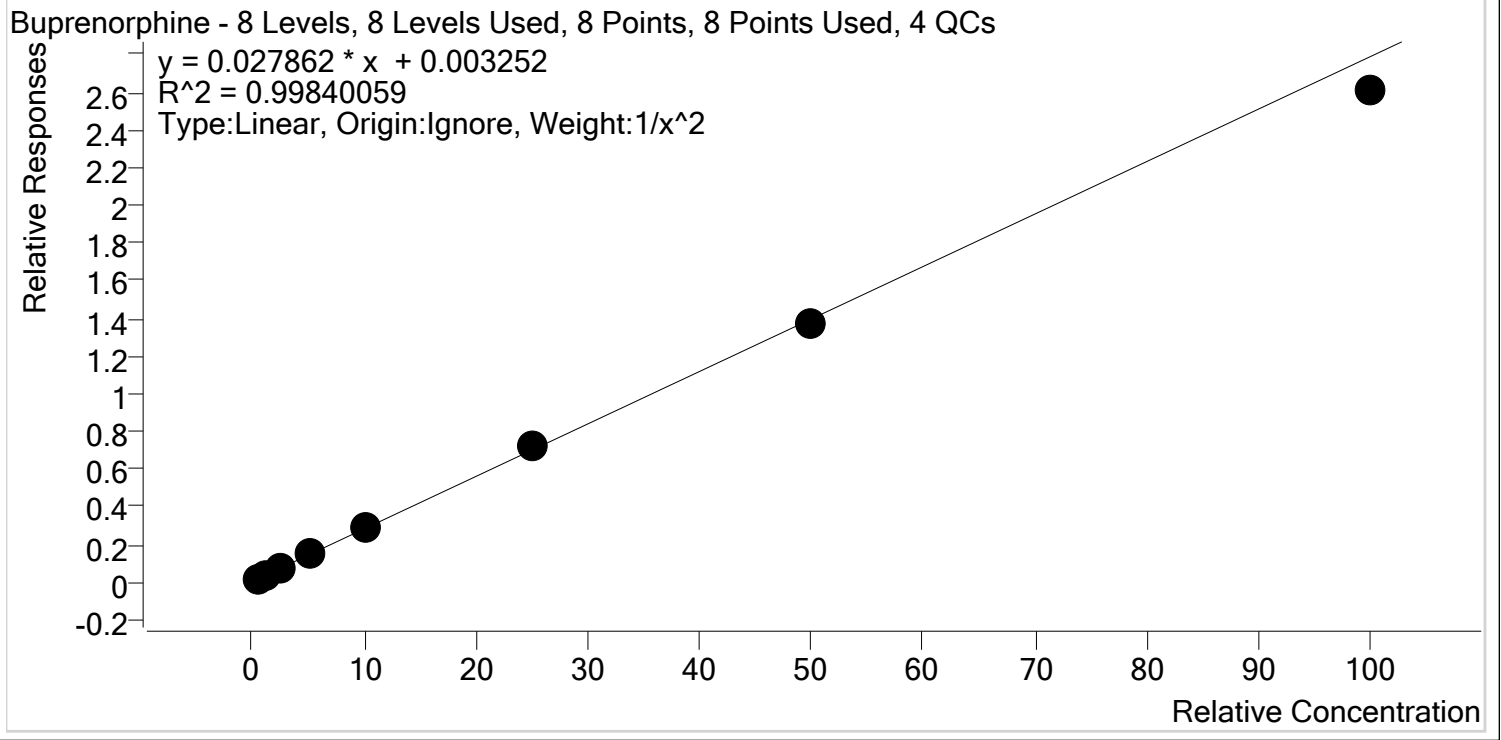
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	x	5.0	6.0	120.8
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.2
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.8
p1 Cal 4-50ng	4	✓	50.0	47.3	94.7
p1 Cal 5-100ng	5	✓	100.0	96.0	96.0
p1 Cal 6-250ng	6	✓	250.0	236.0	94.4
p1 Cal 7-500ng	7	✓	500.0	515.1	103.0
p1 Cal 8-1000ng	8	✓	1000.0	1099.1	109.9

CS TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 12/21/2020 2:29 PM
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	100.0
p1 Cal 2- 10ng	2	✓	1.0	1.0	99.6
p1 Cal 3 -25ng	3	✓	2.5	2.5	98.1
p1 Cal 4-50ng	4	✓	5.0	5.2	103.5
p1 Cal 5-100ng	5	✓	10.0	10.5	104.6
p1 Cal 6-250ng	6	✓	25.0	25.5	101.9
p1 Cal 7-500ng	7	✓	50.0	49.4	98.7
p1 Cal 8-1000ng	8	✓	100.0	93.5	93.5

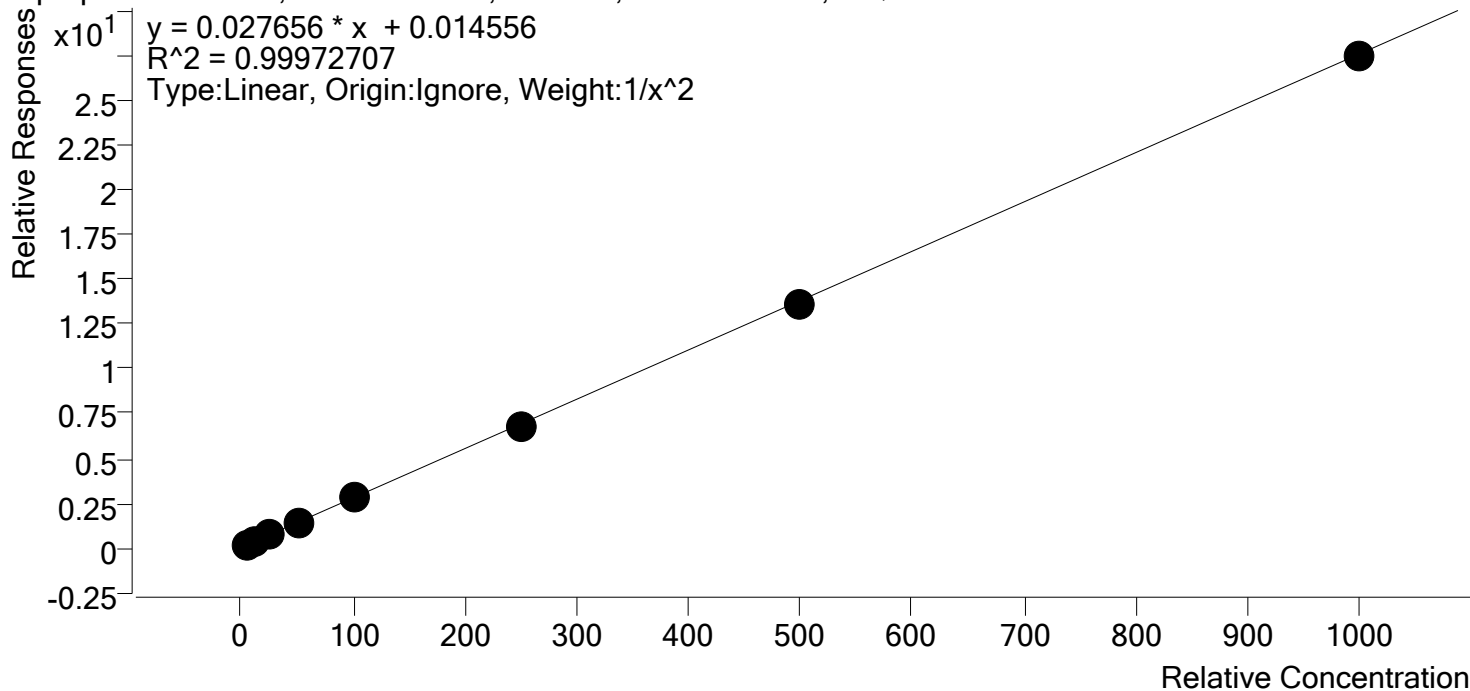


CS TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 12/21/2020 2:29 PM
Analyst Name ISP\Datastor
Analyte Bupropion **Internal Standard** Bupropion-D9

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.6
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.0
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.5
p1 Cal 4-50ng	4	✓	50.0	51.3	102.6
p1 Cal 5-100ng	5	✓	100.0	101.0	101.0
p1 Cal 6-250ng	6	✓	250.0	244.8	97.9
p1 Cal 7-500ng	7	✓	500.0	493.8	98.8
p1 Cal 8-1000ng	8	✓	1000.0	994.8	99.5

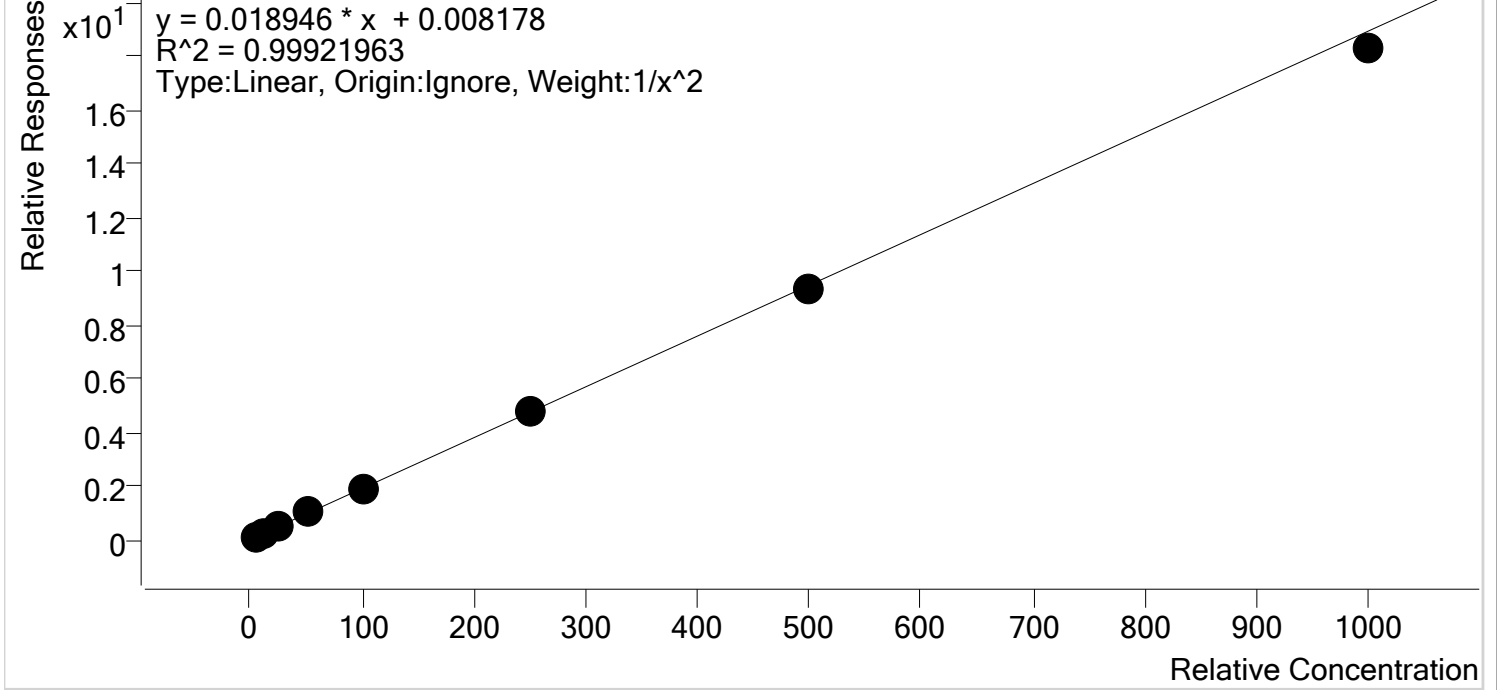
CS TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 12/21/2020 2:29 PM
Analyst Name ISP\Datastor
Analyte Carisoprodol **Internal Standard** Carisoprodol-D7

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



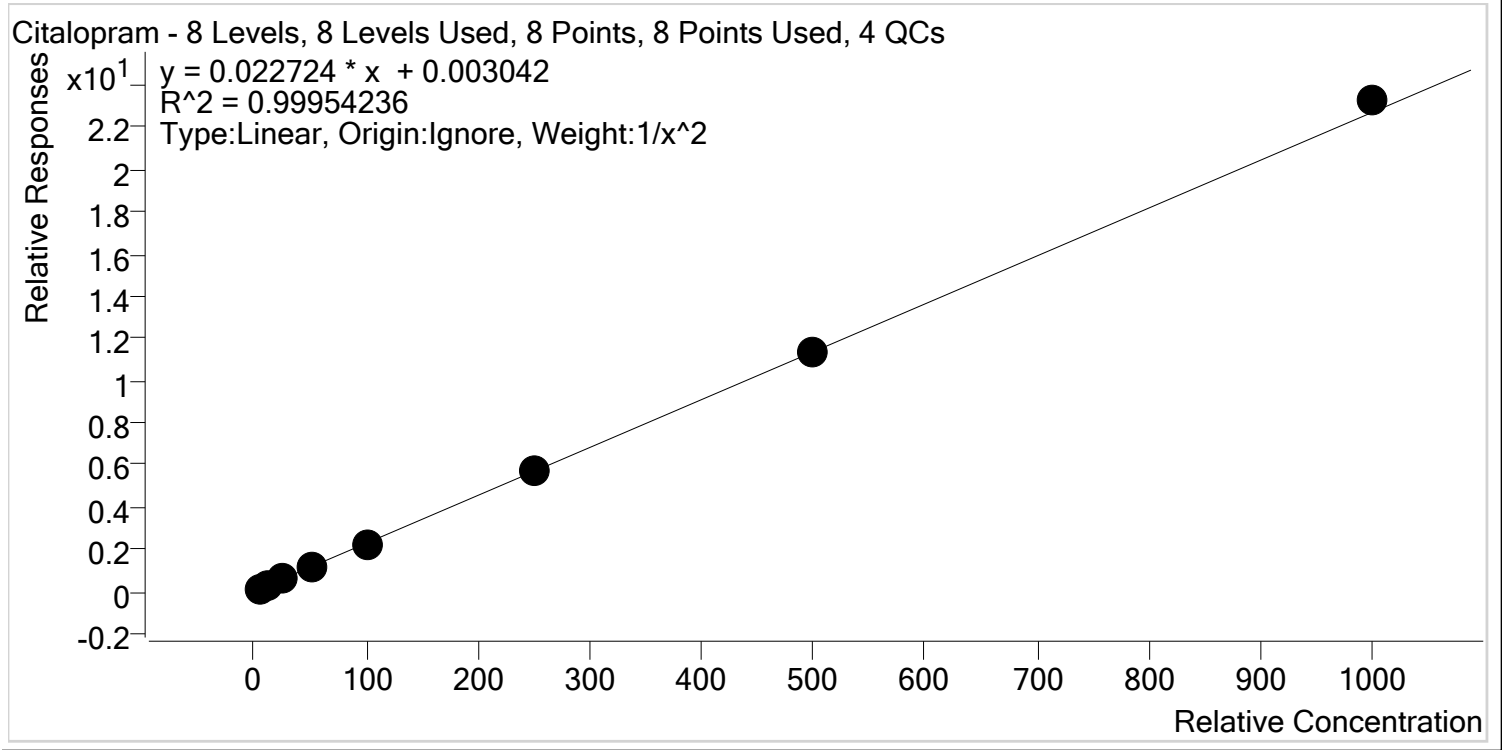
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.5
p1 Cal 2- 10ng	2	✓	10.0	9.8	98.2
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.3
p1 Cal 4-50ng	4	✓	50.0	52.0	104.1
p1 Cal 5-100ng	5	✓	100.0	102.2	102.2
p1 Cal 6-250ng	6	✓	250.0	252.3	100.9
p1 Cal 7-500ng	7	✓	500.0	491.1	98.2
p1 Cal 8-1000ng	8	✓	1000.0	965.7	96.6

CS TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 12/21/2020 2:29 PM
Analyst Name ISP\Datastor
Analyte Citalopram **Internal Standard** Citalopram-D6



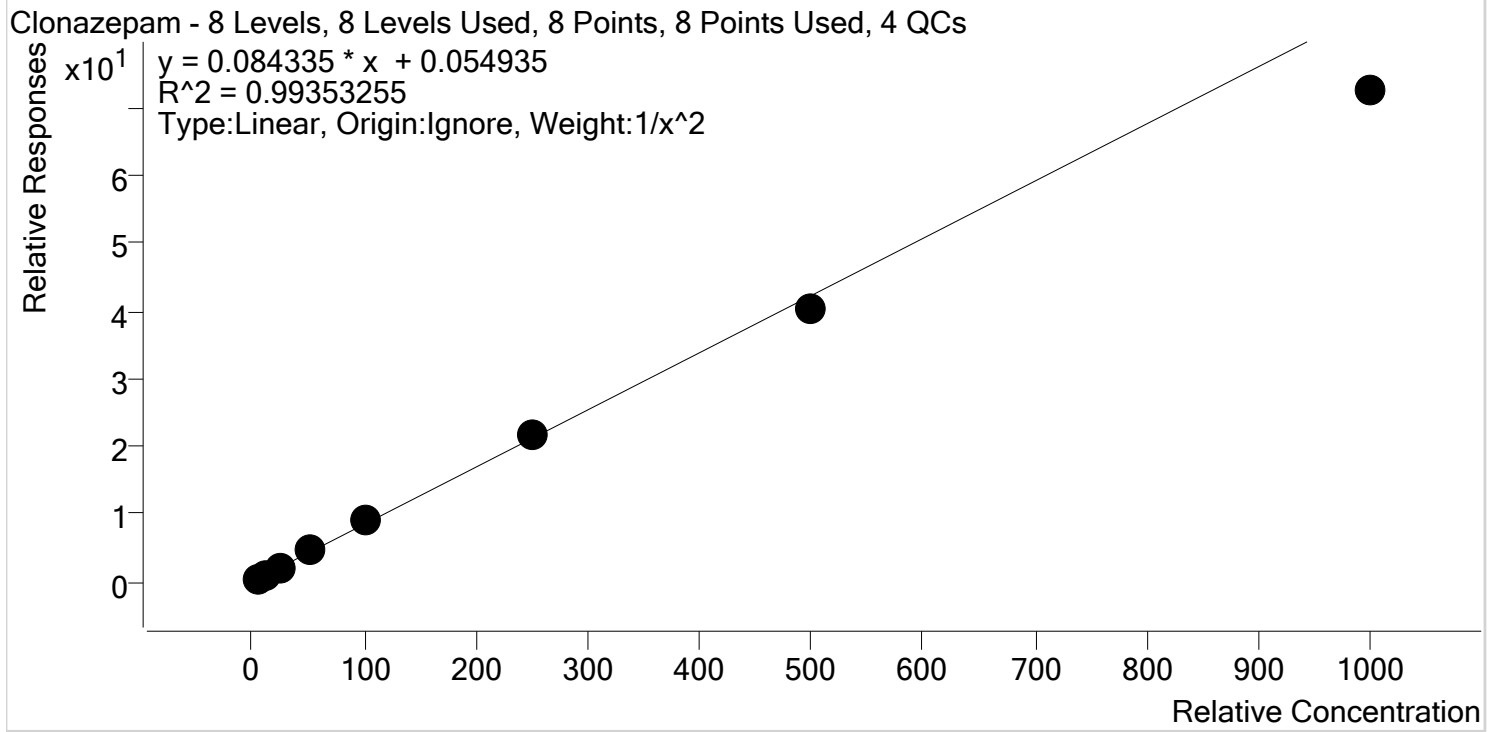
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.9
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.2
p1 Cal 3 -25ng	3	✓	25.0	24.2	96.6
p1 Cal 4-50ng	4	✓	50.0	51.1	102.1
p1 Cal 5-100ng	5	✓	100.0	99.5	99.5
p1 Cal 6-250ng	6	✓	250.0	249.8	99.9
p1 Cal 7-500ng	7	✓	500.0	496.3	99.3
p1 Cal 8-1000ng	8	✓	1000.0	1024.6	102.5

cg TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 12/21/2020 2:29 PM
Analyst Name ISP\Datastor
Analyte Clonazepam **Internal Standard** Clonazepam-D4



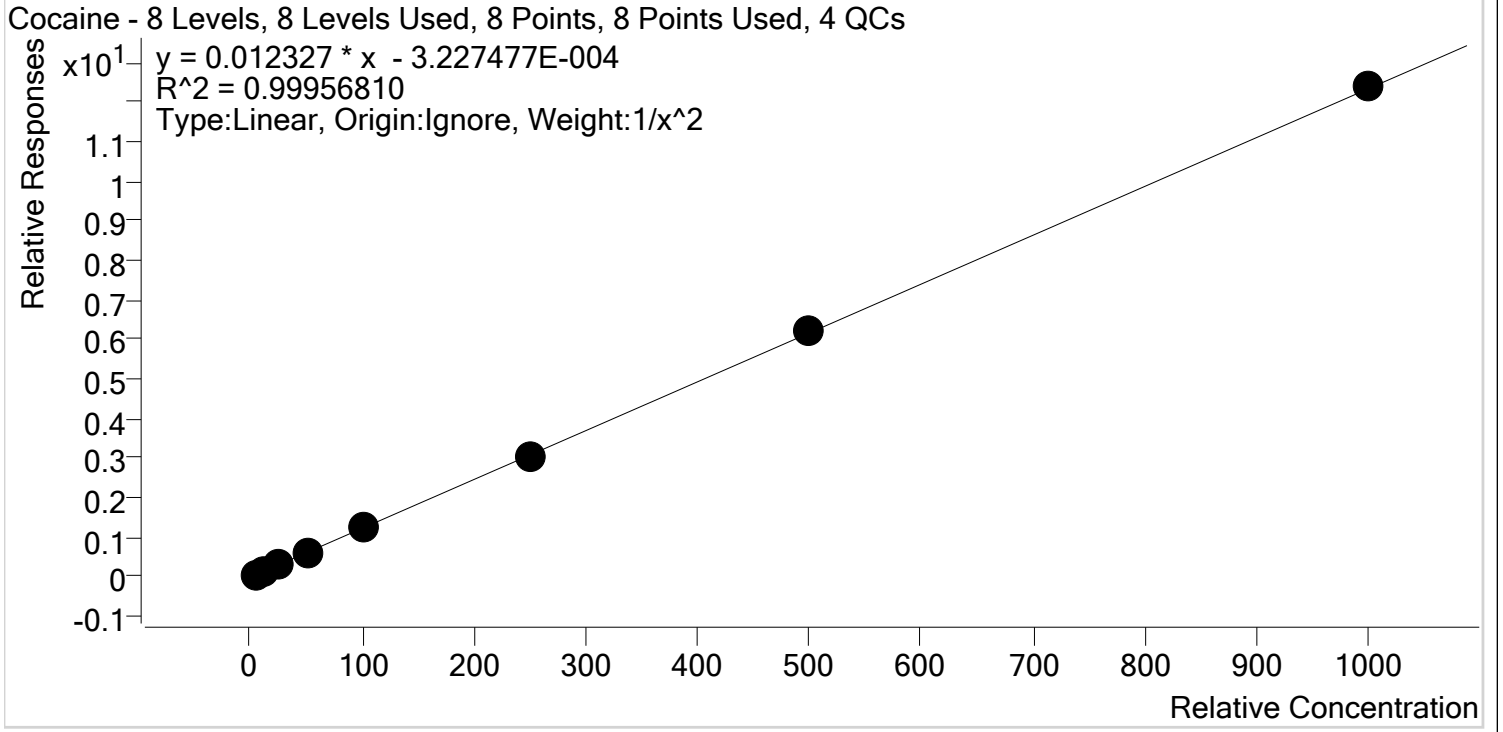
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.0
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.9
p1 Cal 3 -25ng	3	✓	25.0	25.5	102.1
p1 Cal 4-50ng	4	✓	50.0	54.2	108.4
p1 Cal 5-100ng	5	✓	100.0	105.6	105.6
p1 Cal 6-250ng	6	✓	250.0	258.6	103.4
p1 Cal 7-500ng	7	✓	500.0	478.2	95.6
p1 Cal 8-1000ng	8	✓	1000.0	858.3	85.8

CS TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 12/21/2020 2:29 PM
Analyst Name ISP\Datastor
Analyte Cocaine **Internal Standard** Cocaine-d3



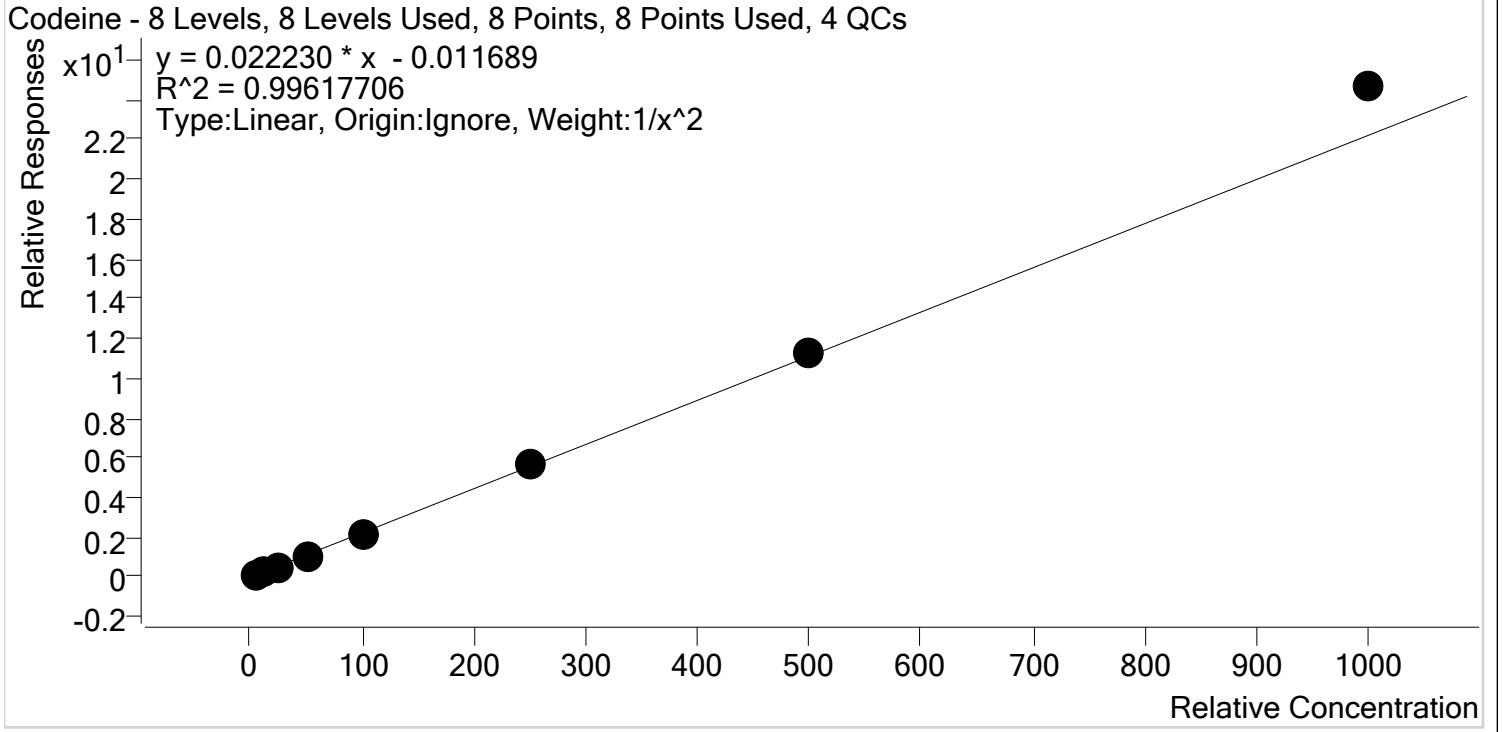
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.3
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.4
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.6
p1 Cal 4-50ng	4	✓	50.0	50.6	101.3
p1 Cal 5-100ng	5	✓	100.0	101.7	101.7
p1 Cal 6-250ng	6	✓	250.0	244.9	97.9
p1 Cal 7-500ng	7	✓	500.0	507.1	101.4
p1 Cal 8-1000ng	8	✓	1000.0	1004.5	100.5

CS TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 12/21/2020 2:29 PM
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	5.1	102.1
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.0
p1 Cal 3 -25ng	3	✓	25.0	23.7	94.8
p1 Cal 4-50ng	4	✓	50.0	48.2	96.4
p1 Cal 5-100ng	5	✓	100.0	94.4	94.4
p1 Cal 6-250ng	6	✓	250.0	251.4	100.6
p1 Cal 7-500ng	7	✓	500.0	508.5	101.7
p1 Cal 8-1000ng	8	✓	1000.0	1110.5	111.0

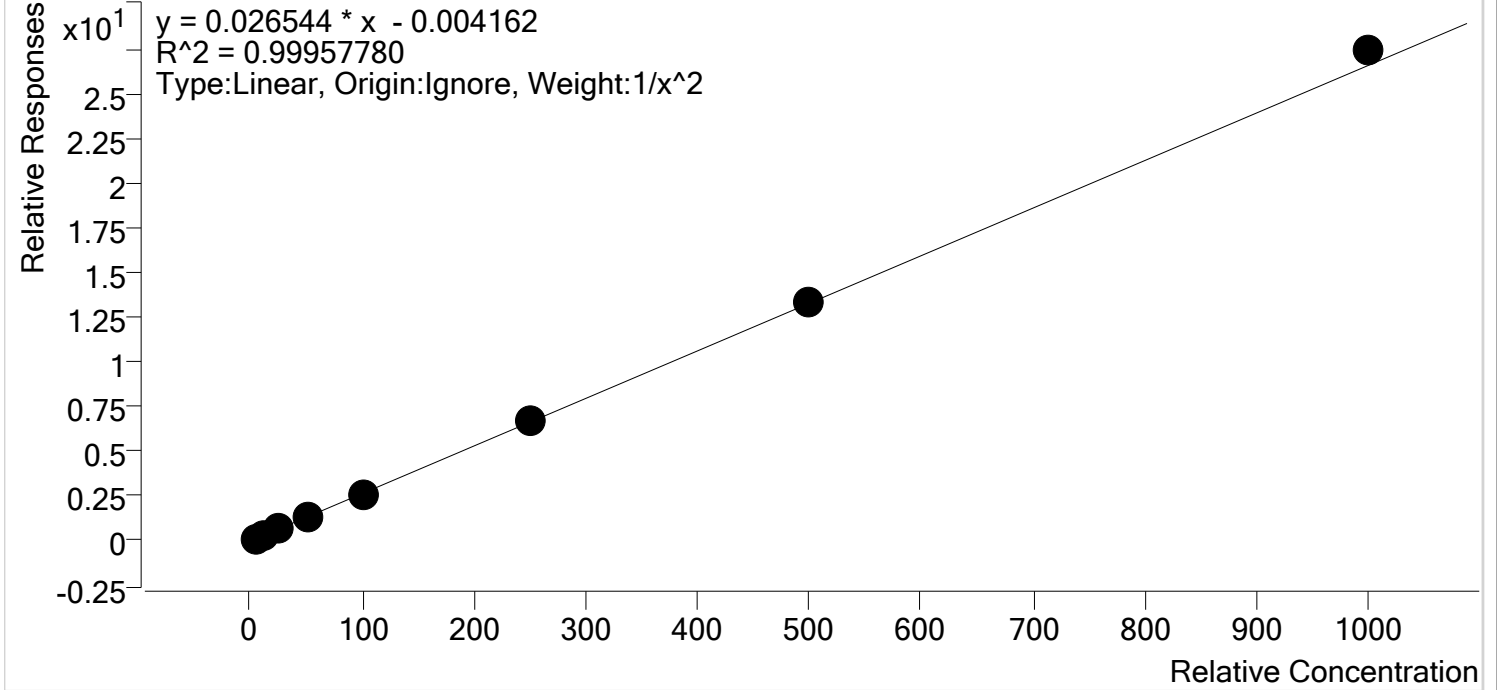


CS TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 12/21/2020 2:29 PM
Analyst Name ISP\Datastor
Analyte Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

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



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	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.1
p1 Cal 4-50ng	4	✓	50.0	49.6	99.3
p1 Cal 5-100ng	5	✓	100.0	99.5	99.5
p1 Cal 6-250ng	6	✓	250.0	250.9	100.3
p1 Cal 7-500ng	7	✓	500.0	502.7	100.5
p1 Cal 8-1000ng	8	✓	1000.0	1031.3	103.1

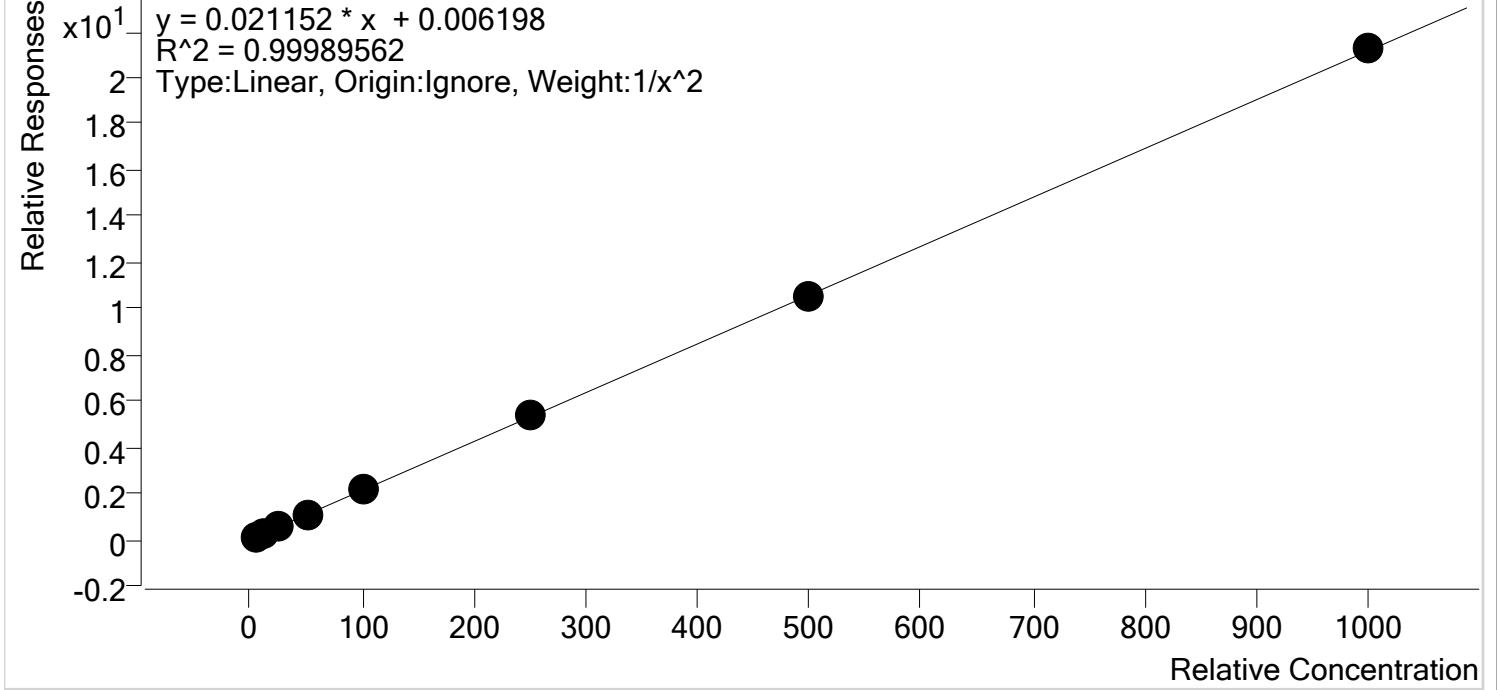
CS TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 12/21/2020 2:29 PM
Analyst Name ISP\Datastor
Analyte Dextromethorphan **Internal Standard** Dextromethorphan-D3

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



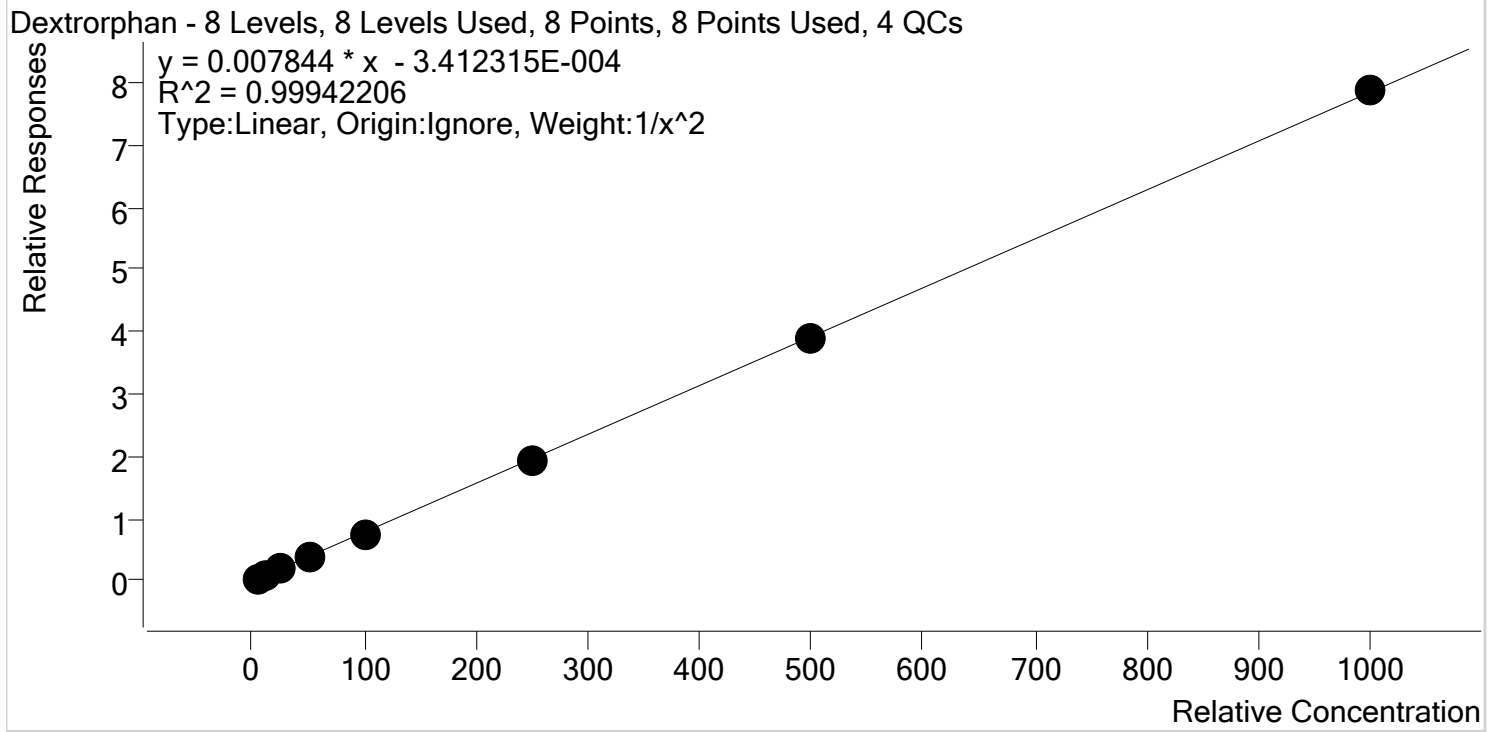
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.8
p1 Cal 2- 10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.6
p1 Cal 4-50ng	4	✓	50.0	50.3	100.5
p1 Cal 5-100ng	5	✓	100.0	100.2	100.2
p1 Cal 6-250ng	6	✓	250.0	252.1	100.8
p1 Cal 7-500ng	7	✓	500.0	499.0	99.8
p1 Cal 8-1000ng	8	✓	1000.0	1004.9	100.5

CS TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 12/21/2020 2:29 PM
Analyst Name ISP\Datastor
Analyte Dextrophan Internal Standard Dextrophan-D3



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	10.3	103.3
p1 Cal 3 -25ng	3	✓	25.0	24.3	97.3
p1 Cal 4-50ng	4	✓	50.0	51.4	102.7
p1 Cal 5-100ng	5	✓	100.0	98.4	98.4
p1 Cal 6-250ng	6	✓	250.0	249.4	99.7
p1 Cal 7-500ng	7	✓	500.0	497.7	99.5
p1 Cal 8-1000ng	8	✓	1000.0	1003.4	100.3

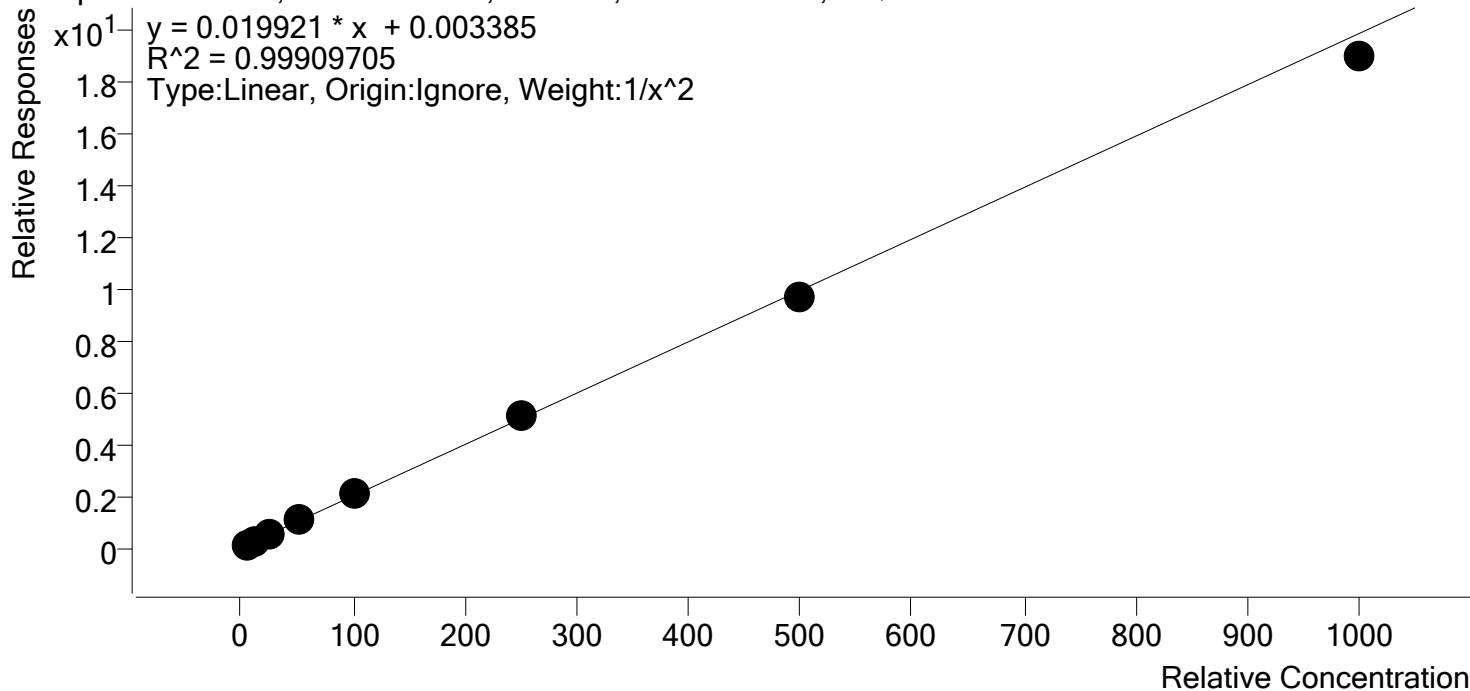


CS TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 12/21/2020 2:29 PM
Analyst Name ISP\Datastor
Analyte Diazepam **Internal Standard** Diazepam-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.3
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.5
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.1
p1 Cal 4-50ng	4	✓	50.0	52.0	103.9
p1 Cal 5-100ng	5	✓	100.0	101.8	101.8
p1 Cal 6-250ng	6	✓	250.0	253.4	101.4
p1 Cal 7-500ng	7	✓	500.0	487.7	97.5
p1 Cal 8-1000ng	8	✓	1000.0	955.0	95.5

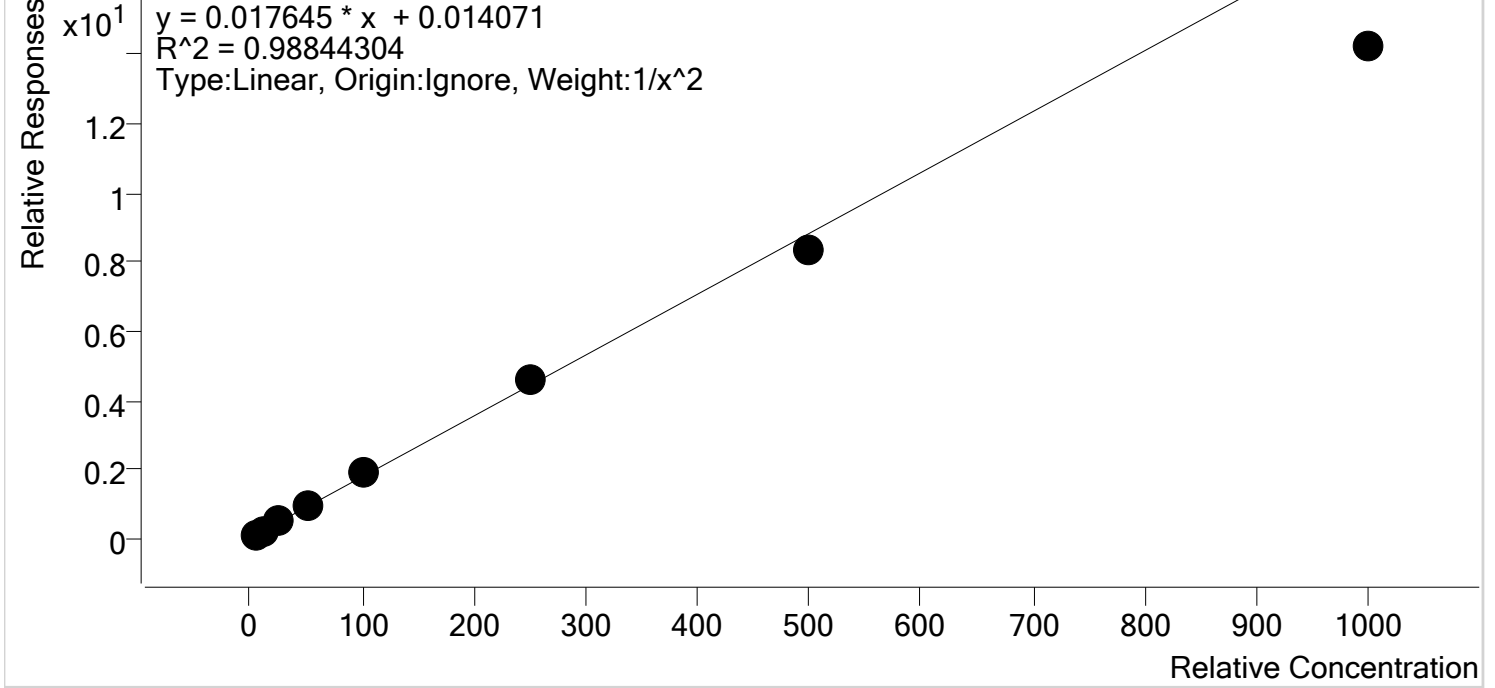
CS TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 12/21/2020 2:29 PM
Analyst Name ISP\Datastor
Analyte Dihydrocodeine **Internal Standard** Dihydrocodeine-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.2
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.5
p1 Cal 3 -25ng	3	✓	25.0	26.7	106.8
p1 Cal 4-50ng	4	✓	50.0	54.6	109.2
p1 Cal 5-100ng	5	✓	100.0	108.0	108.0
p1 Cal 6-250ng	6	✓	250.0	258.0	103.2
p1 Cal 7-500ng	7	✓	500.0	472.4	94.5
p1 Cal 8-1000ng	8	✓	1000.0	806.8	80.7

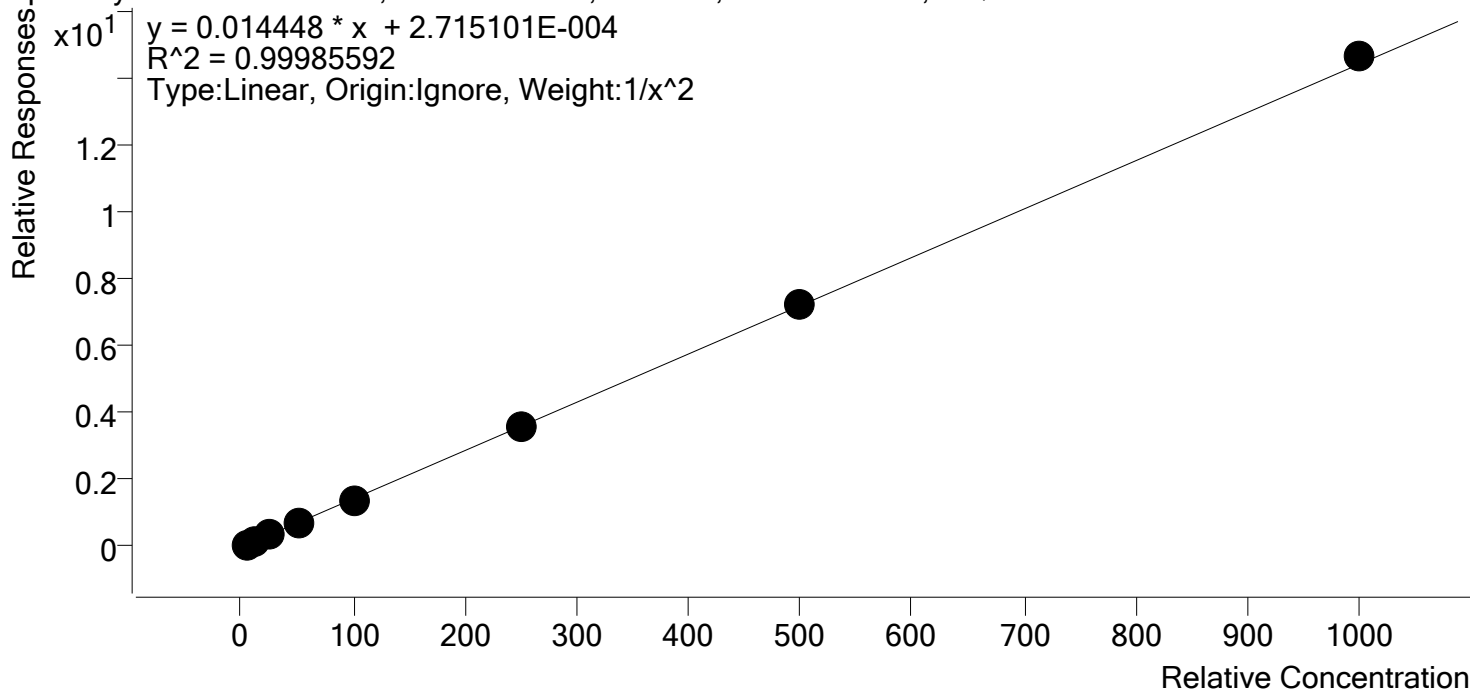
CS TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 12/21/2020 2:29 PM
Analyst Name ISP\Datastor
Analyte Diphenhydramine **Internal Standard** Diphenhydramine-D3

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



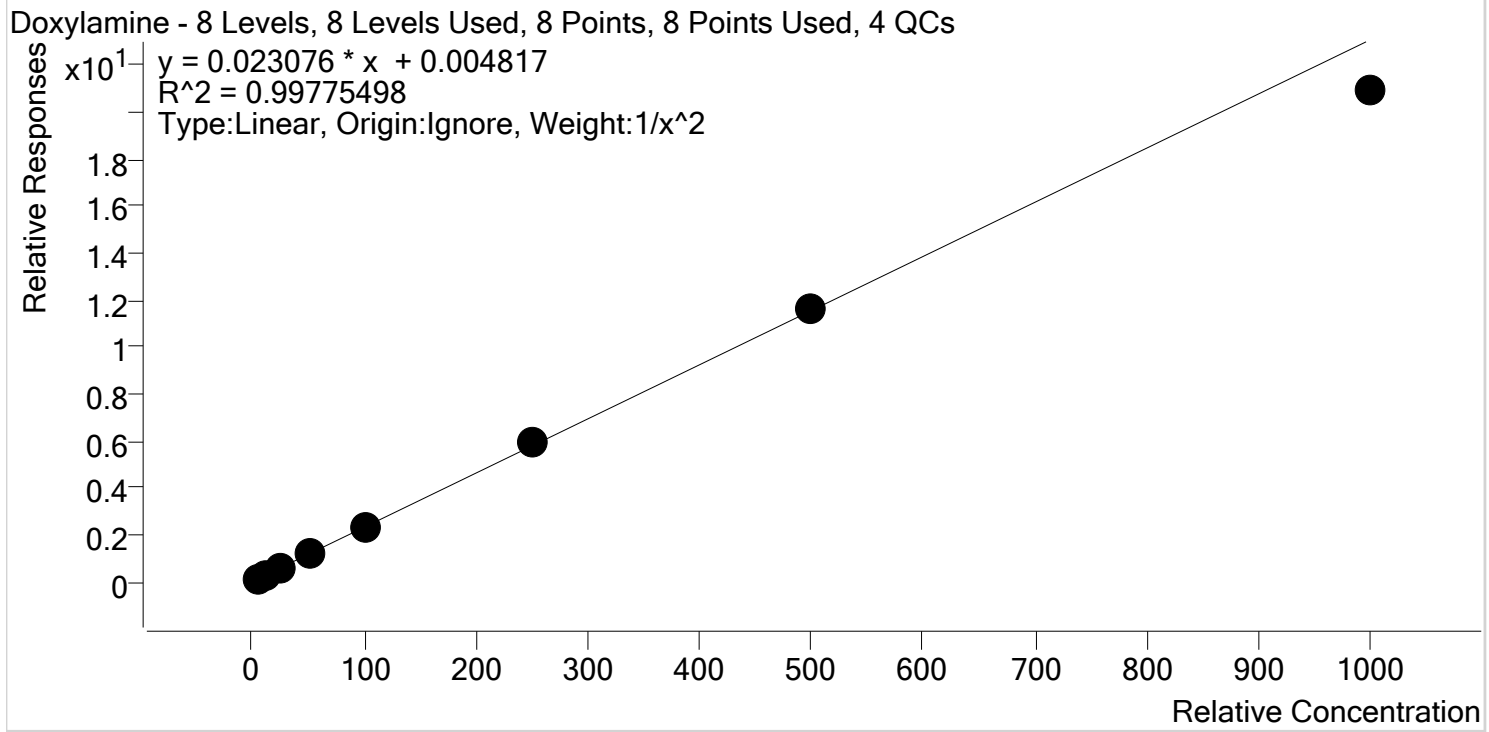
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.6
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.5
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.1
p1 Cal 4-50ng	4	✓	50.0	50.4	100.8
p1 Cal 5-100ng	5	✓	100.0	99.5	99.5
p1 Cal 6-250ng	6	✓	250.0	250.4	100.2
p1 Cal 7-500ng	7	✓	500.0	499.1	99.8
p1 Cal 8-1000ng	8	✓	1000.0	1015.7	101.6

CS TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 12/21/2020 2:29 PM
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	99.4
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.2
p1 Cal 3 -25ng	3	✓	25.0	25.0	99.9
p1 Cal 4-50ng	4	✓	50.0	52.0	103.9
p1 Cal 5-100ng	5	✓	100.0	103.1	103.1
p1 Cal 6-250ng	6	✓	250.0	255.7	102.3
p1 Cal 7-500ng	7	✓	500.0	503.2	100.6
p1 Cal 8-1000ng	8	✓	1000.0	906.3	90.6

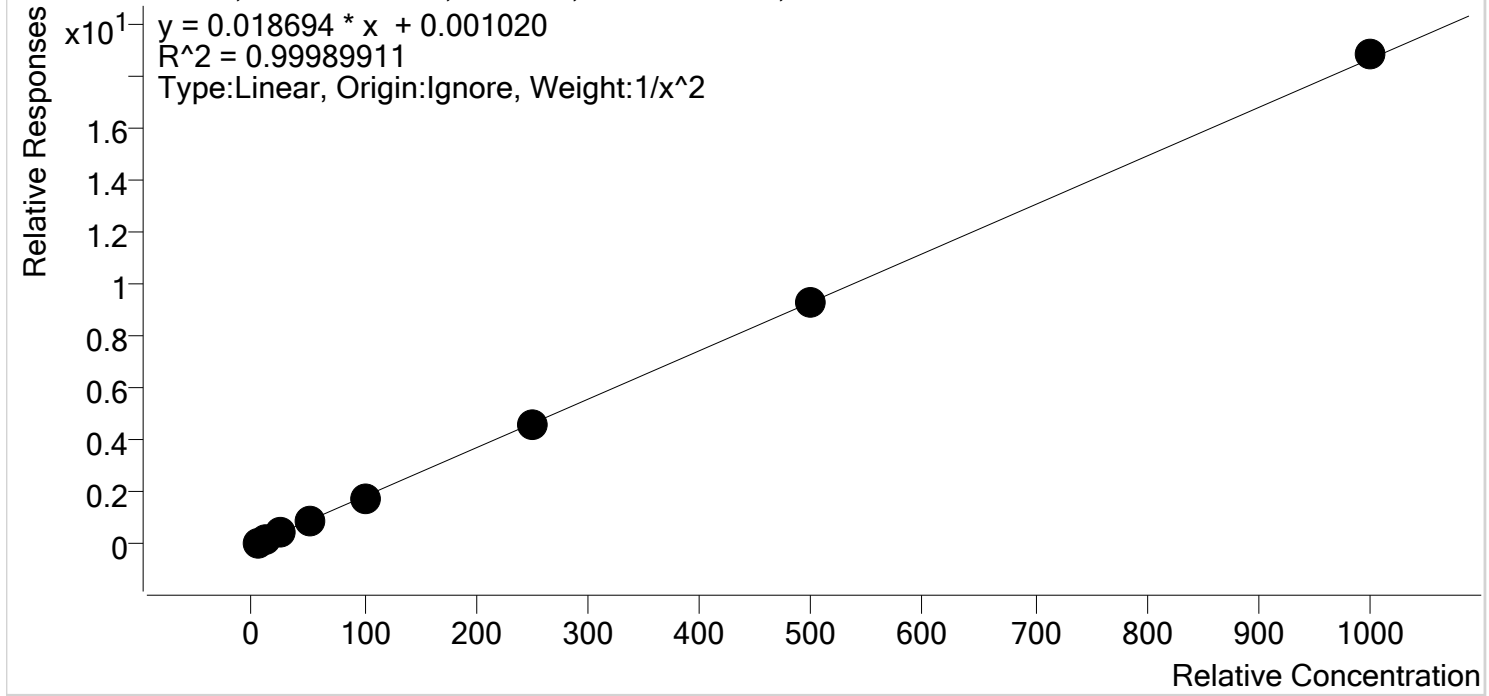


cg TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 12/21/2020 2:29 PM
Analyst Name ISP\Datastor
Analyte EDDP **Internal Standard** EDDP-D3

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



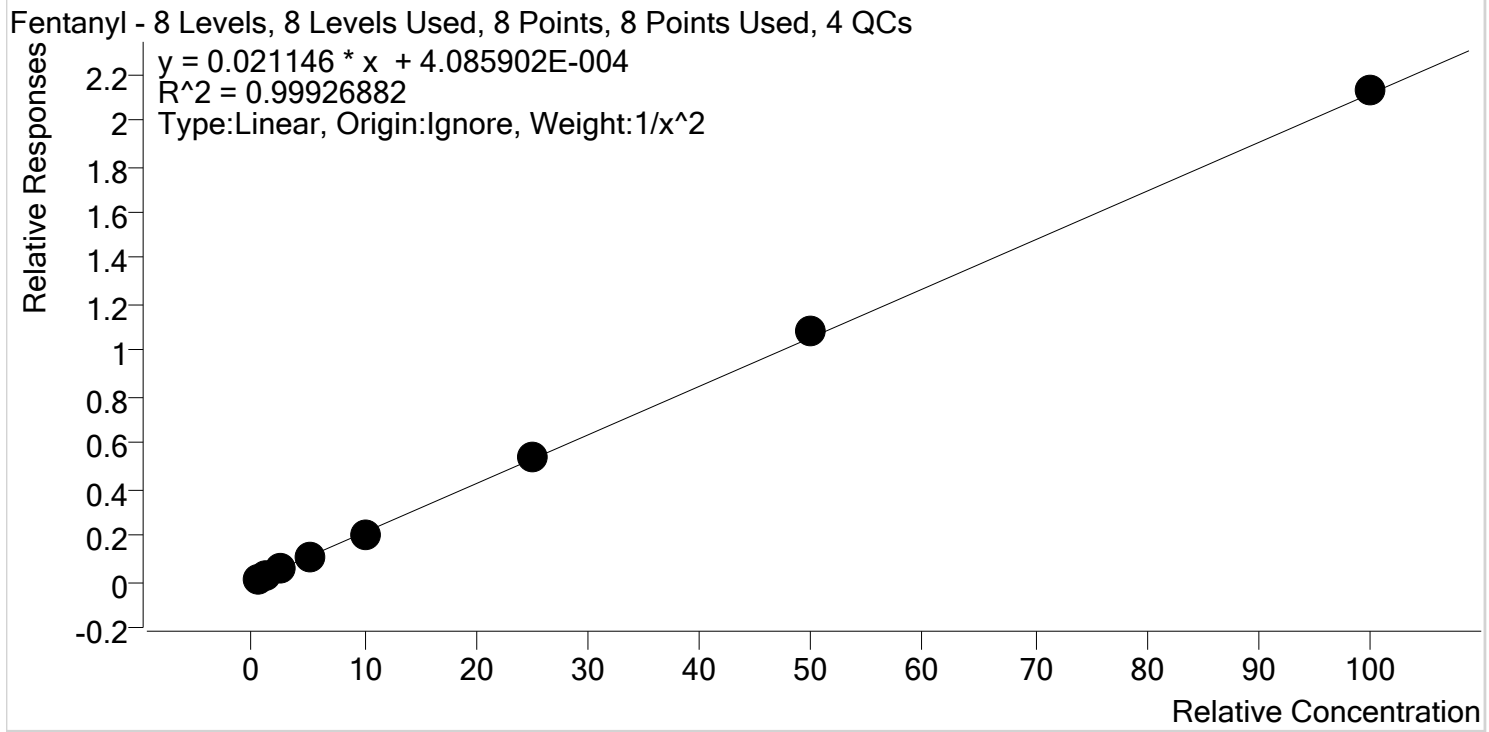
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.2
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.9
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.1
p1 Cal 4-50ng	4	✓	50.0	50.7	101.4
p1 Cal 5-100ng	5	✓	100.0	98.7	98.7
p1 Cal 6-250ng	6	✓	250.0	250.3	100.1
p1 Cal 7-500ng	7	✓	500.0	499.0	99.8
p1 Cal 8-1000ng	8	✓	1000.0	1009.0	100.9

CS TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 12/21/2020 2:29 PM
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	101.6
p1 Cal 2- 10ng	2	✓	1.0	1.0	97.2
p1 Cal 3 -25ng	3	✓	2.5	2.5	98.3
p1 Cal 4-50ng	4	✓	5.0	5.1	102.8
p1 Cal 5-100ng	5	✓	10.0	9.7	96.5
p1 Cal 6-250ng	6	✓	25.0	25.2	100.9
p1 Cal 7-500ng	7	✓	50.0	51.0	102.0
p1 Cal 8-1000ng	8	✓	100.0	100.7	100.7

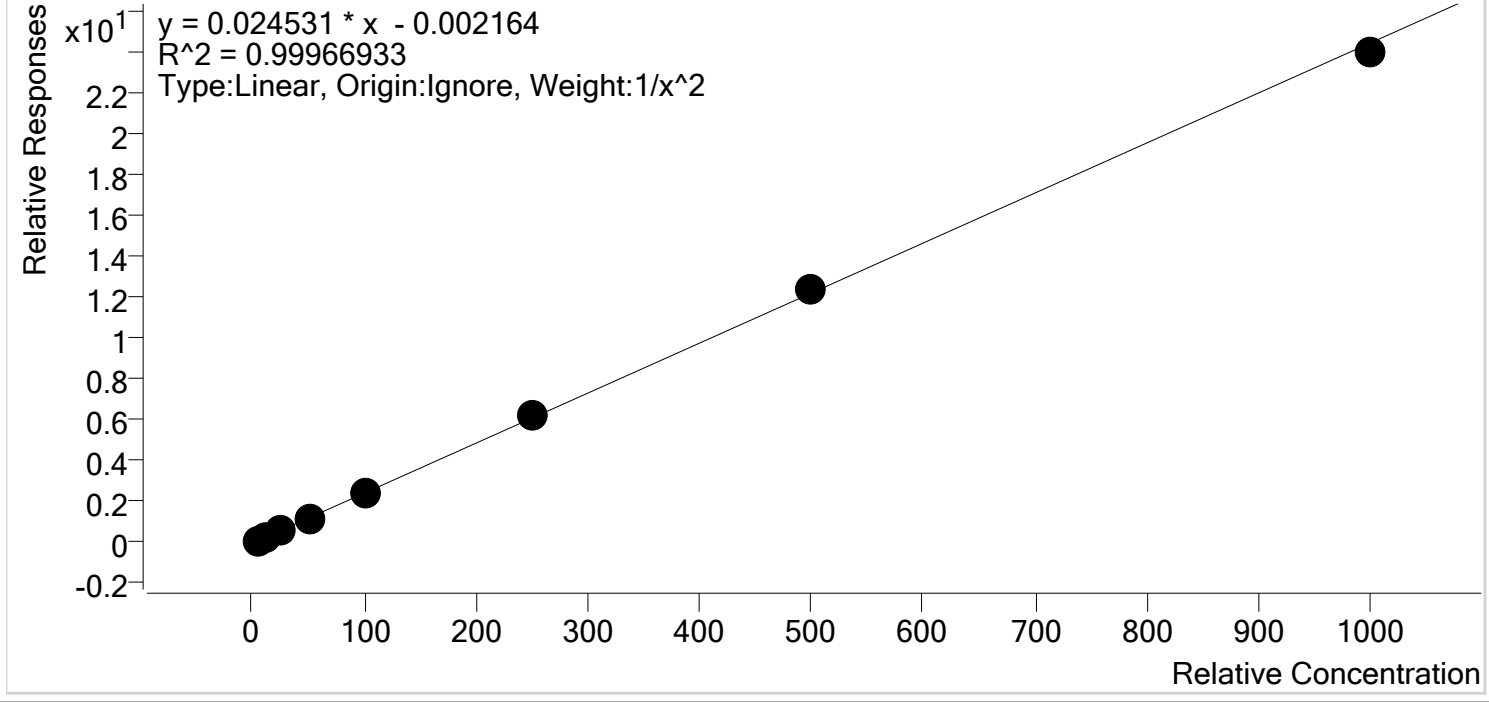
CS TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 12/21/2020 2:29 PM
Analyst Name ISP\Datastor
Analyte Fluoxetine **Internal Standard** Fluoxetine-D6

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



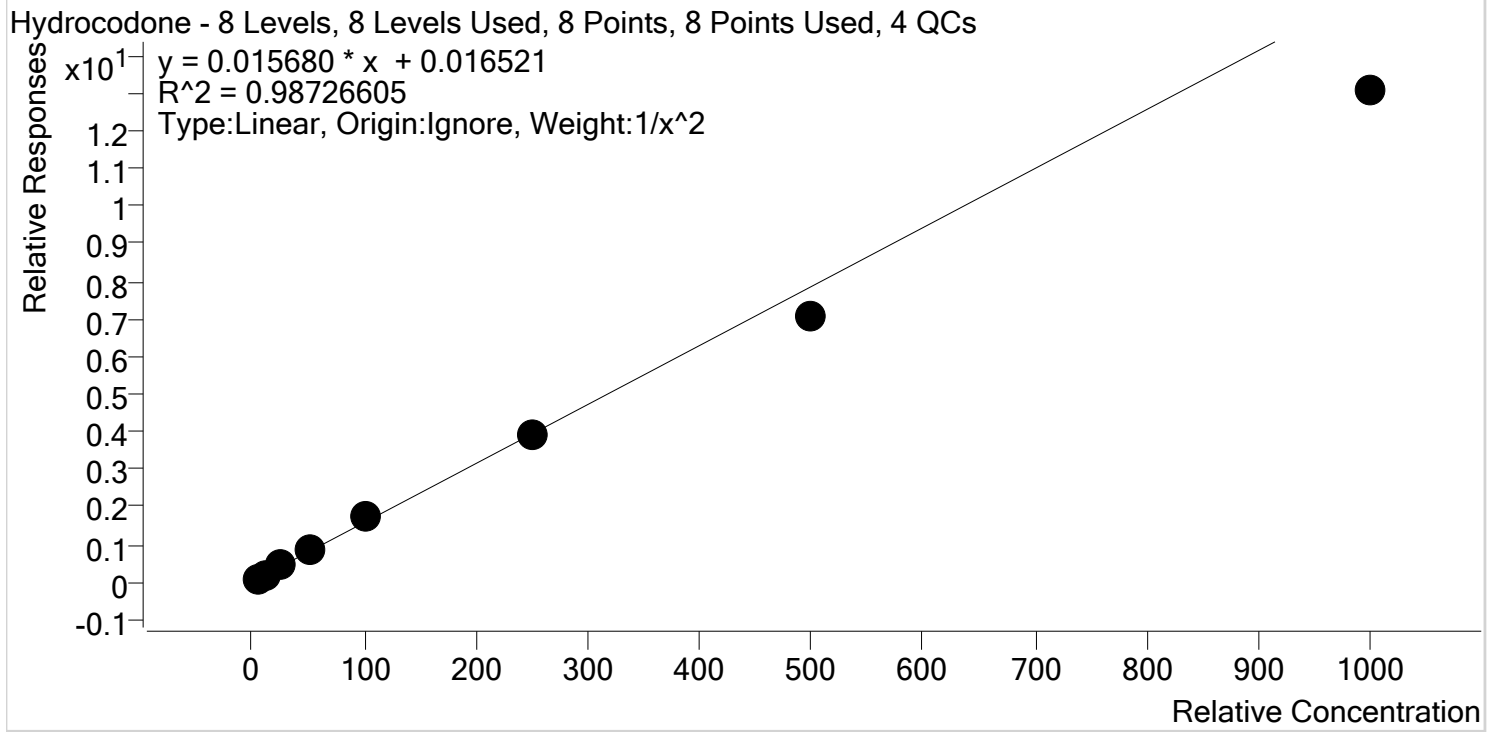
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.6
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.7
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.5
p1 Cal 4-50ng	4	✓	50.0	50.0	100.1
p1 Cal 5-100ng	5	✓	100.0	100.1	100.1
p1 Cal 6-250ng	6	✓	250.0	253.7	101.5
p1 Cal 7-500ng	7	✓	500.0	507.4	101.5
p1 Cal 8-1000ng	8	✓	1000.0	980.9	98.1

CS TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 12/21/2020 2:29 PM
Analyst Name ISP\Datastor
Analyte Hydrocodone **Internal Standard** Hydrocodone-D6



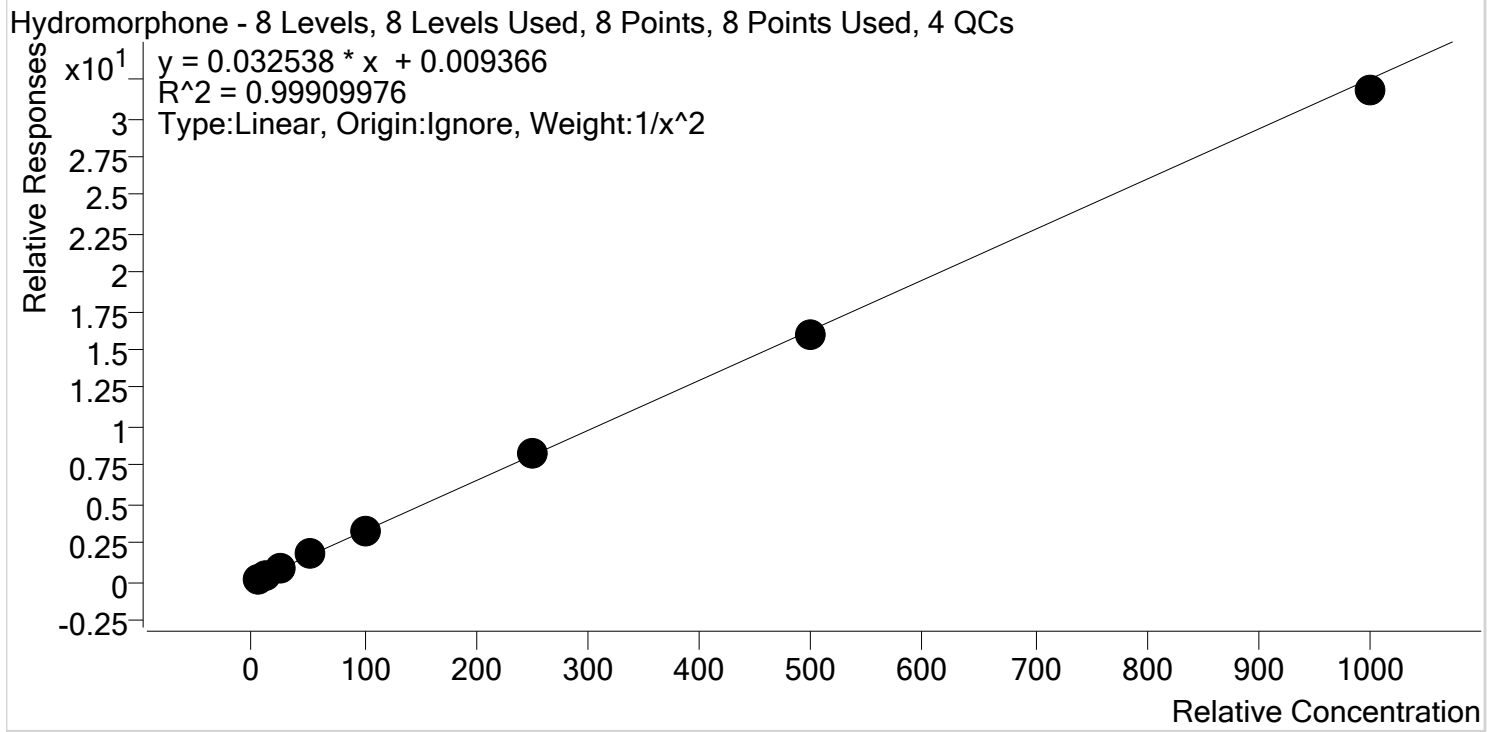
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	95.1
p1 Cal 2- 10ng	2	✓	10.0	10.5	104.7
p1 Cal 3 -25ng	3	✓	25.0	26.5	106.2
p1 Cal 4-50ng	4	✓	50.0	55.0	110.0
p1 Cal 5-100ng	5	✓	100.0	111.0	111.0
p1 Cal 6-250ng	6	✓	250.0	248.7	99.5
p1 Cal 7-500ng	7	✓	500.0	451.8	90.4
p1 Cal 8-1000ng	8	✓	1000.0	832.2	83.2

CS TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 12/21/2020 2:29 PM
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	99.7
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.3
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.5
p1 Cal 4-50ng	4	✓	50.0	52.3	104.6
p1 Cal 5-100ng	5	✓	100.0	96.9	96.9
p1 Cal 6-250ng	6	✓	250.0	255.5	102.2
p1 Cal 7-500ng	7	✓	500.0	490.1	98.0
p1 Cal 8-1000ng	8	✓	1000.0	976.7	97.7

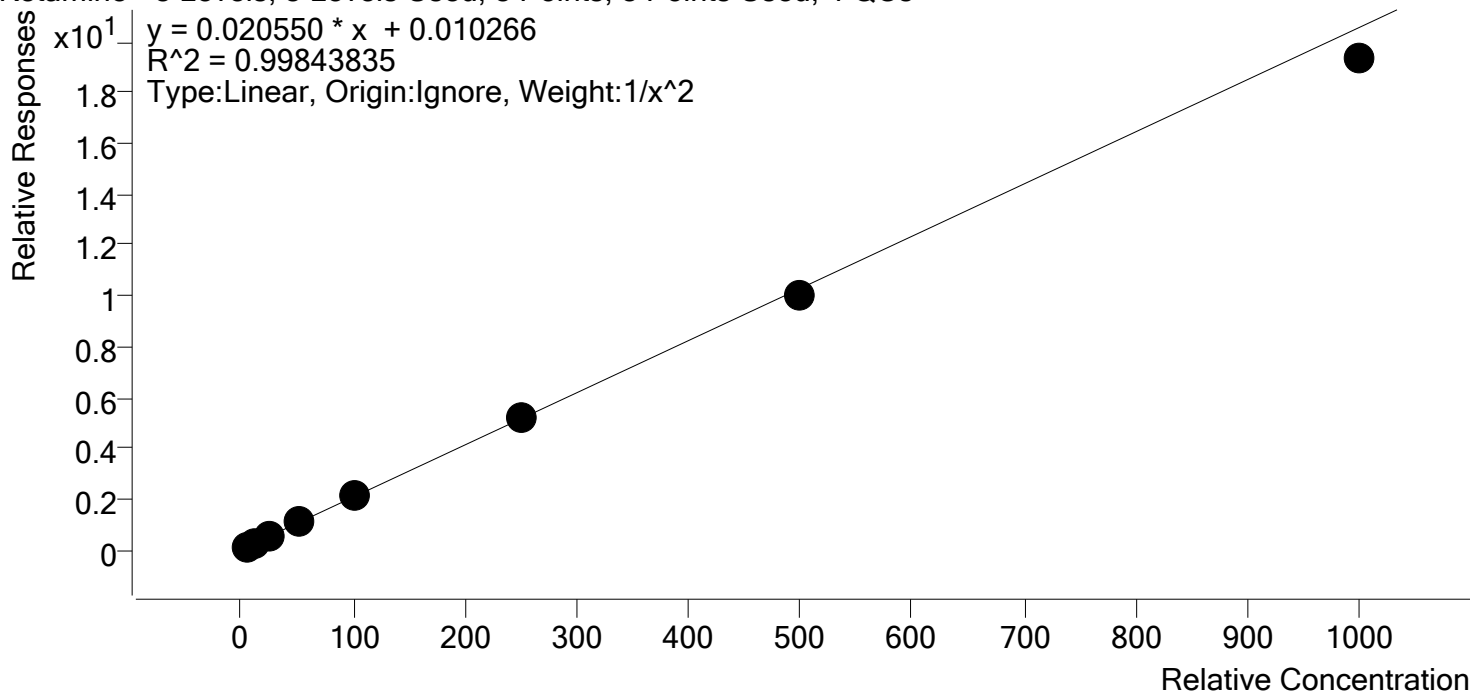
CS TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 12/21/2020 2:29 PM
Analyst Name ISP\Datastor
Analyte Ketamine **Internal Standard** Ketamine-D4

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



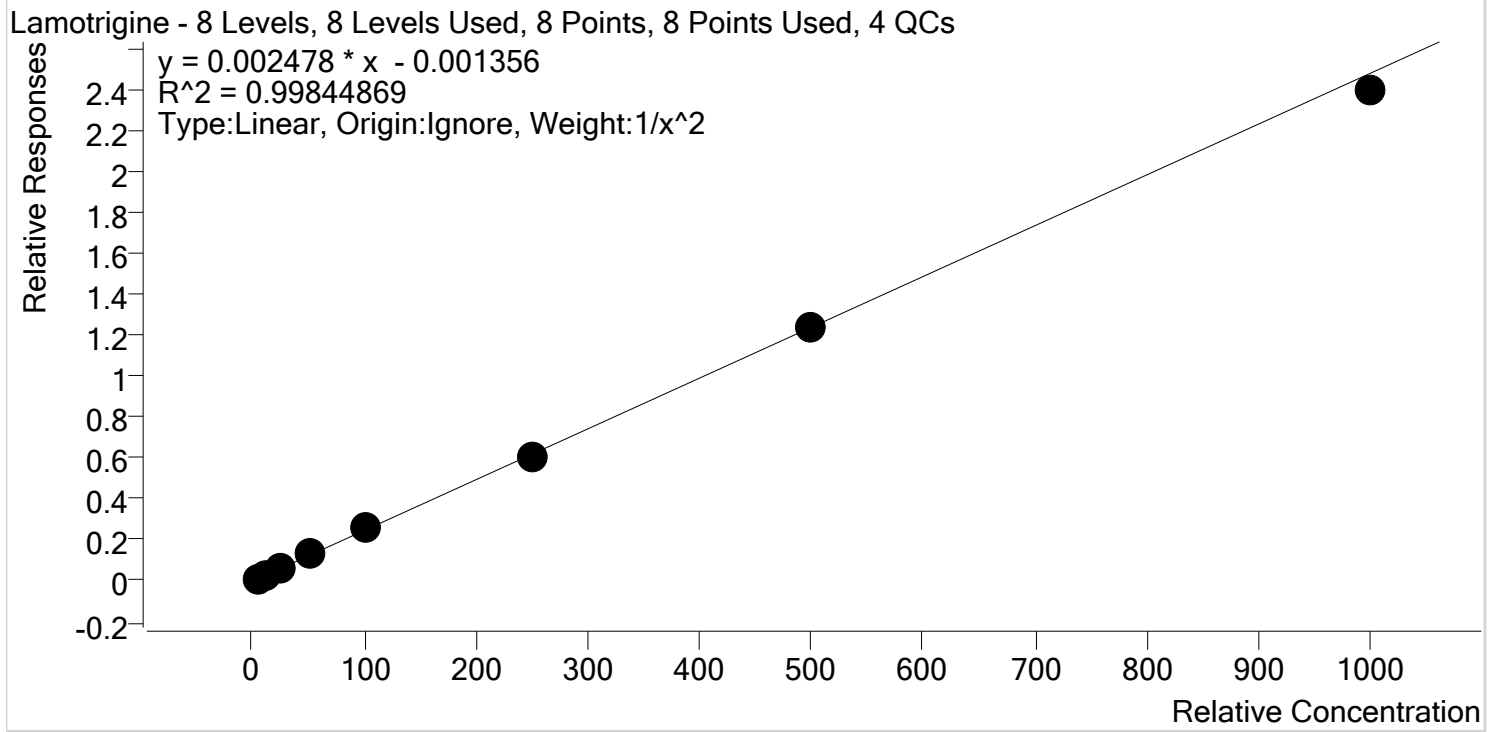
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.9
p1 Cal 2- 10ng	2	✓	10.0	10.1	101.0
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.4
p1 Cal 4-50ng	4	✓	50.0	52.1	104.2
p1 Cal 5-100ng	5	✓	100.0	103.9	103.9
p1 Cal 6-250ng	6	✓	250.0	252.3	100.9
p1 Cal 7-500ng	7	✓	500.0	483.6	96.7
p1 Cal 8-1000ng	8	✓	1000.0	940.4	94.0



CS TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 12/21/2020 2:29 PM
Analyst Name ISP\Datastor
Analyte Lamotrigine **Internal Standard** Ketamine-D4



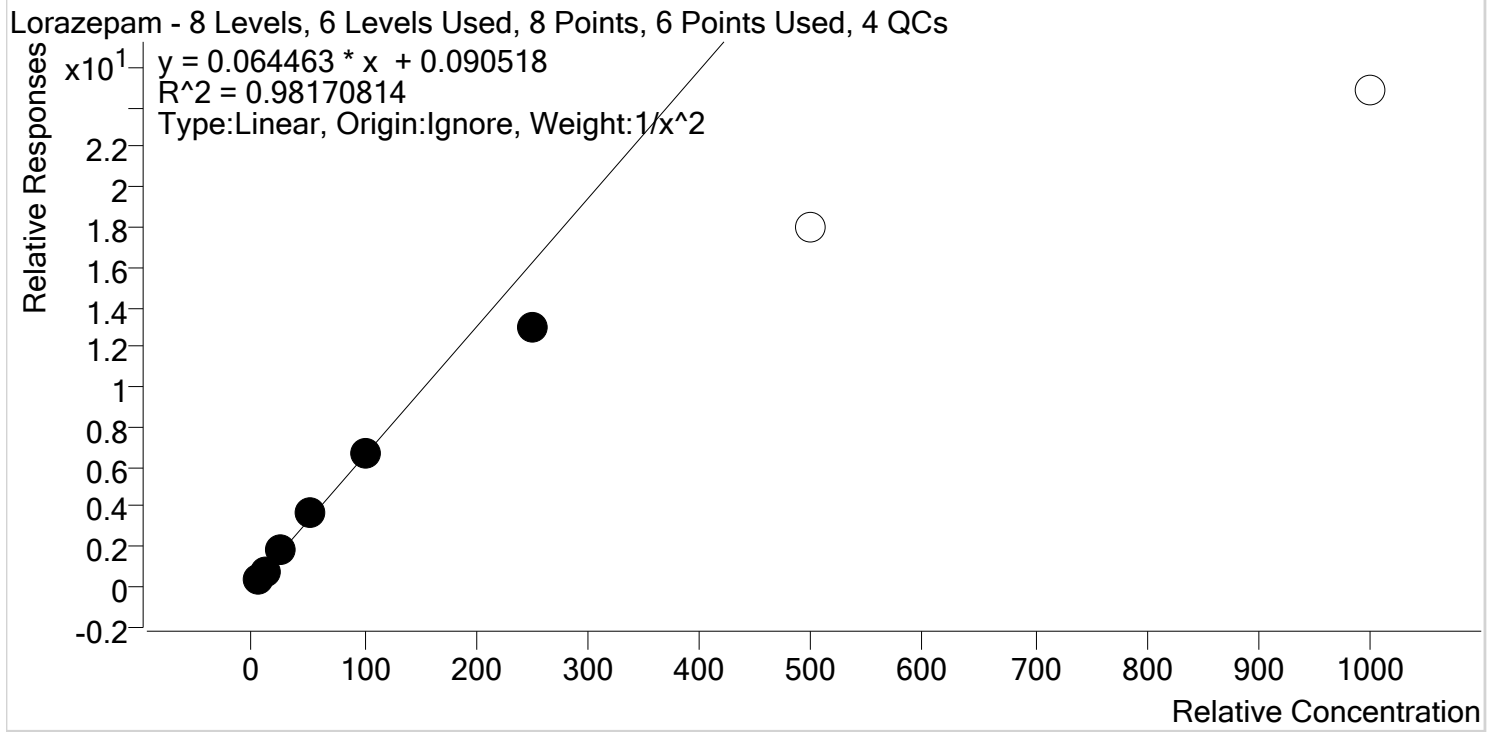
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.9
p1 Cal 2- 10ng	2	✓	10.0	9.5	94.5
p1 Cal 3 -25ng	3	✓	25.0	25.4	101.5
p1 Cal 4-50ng	4	✓	50.0	52.0	104.0
p1 Cal 5-100ng	5	✓	100.0	103.8	103.8
p1 Cal 6-250ng	6	✓	250.0	244.8	97.9
p1 Cal 7-500ng	7	✓	500.0	498.9	99.8
p1 Cal 8-1000ng	8	✓	1000.0	966.0	96.6



CS TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 12/21/2020 2:29 PM
Analyst Name ISP\Datastor
Analyte Lorazepam **Internal Standard** Clonazepam-D4



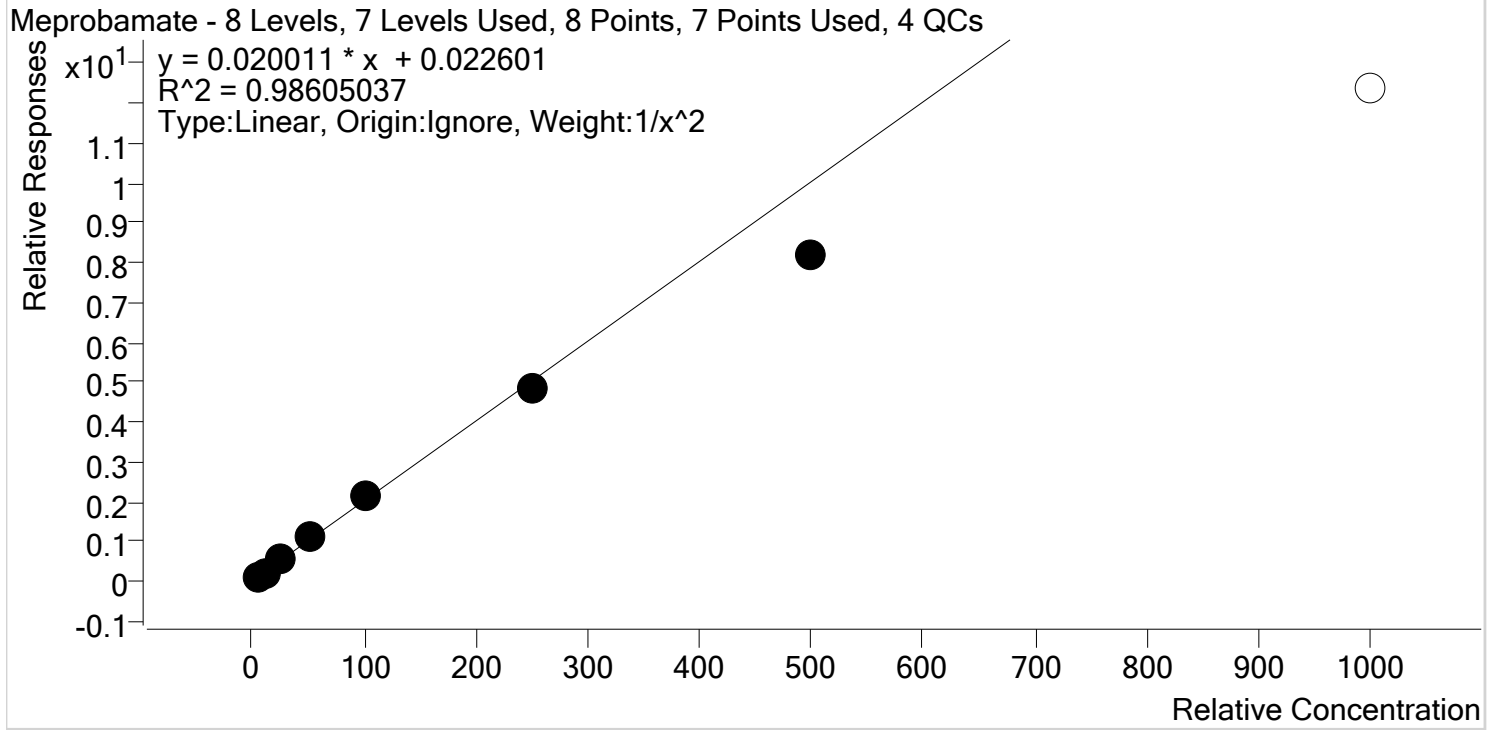
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.6
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.7
p1 Cal 3 -25ng	3	✓	25.0	27.1	108.2
p1 Cal 4-50ng	4	✓	50.0	56.0	112.1
p1 Cal 5-100ng	5	✓	100.0	101.1	101.1
p1 Cal 6-250ng	6	✓	250.0	200.7	80.3
p1 Cal 7-500ng	7	x	500.0	279.0	55.8
p1 Cal 8-1000ng	8	x	1000.0	384.0	38.4

CS TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 12/21/2020 2:29 PM
Analyst Name ISP\Datastor
Analyte Meprobamate **Internal Standard** Meprobamate-D7



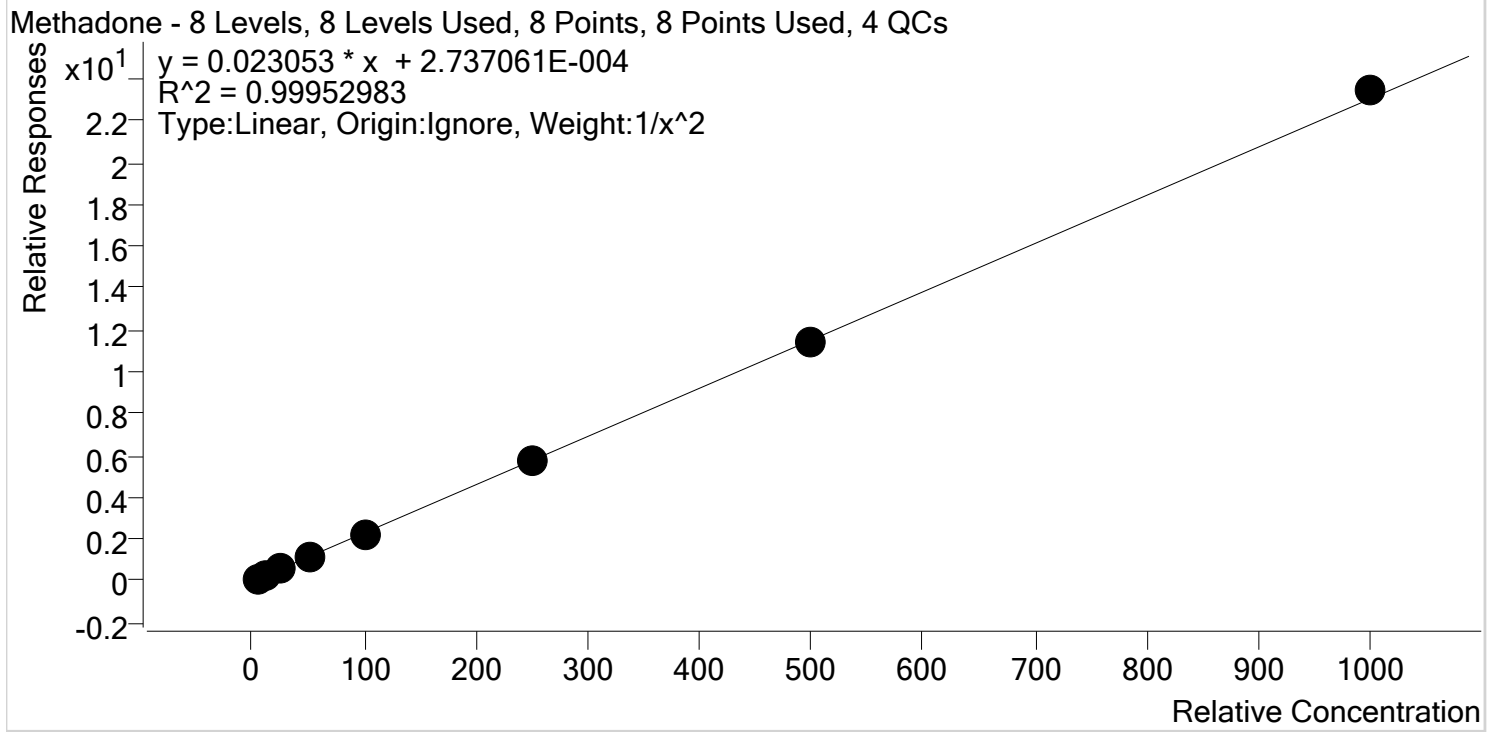
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.7	94.6
p1 Cal 2- 10ng	2	✓	10.0	10.6	106.3
p1 Cal 3 -25ng	3	✓	25.0	26.7	106.7
p1 Cal 4-50ng	4	✓	50.0	54.7	109.4
p1 Cal 5-100ng	5	✓	100.0	106.1	106.1
p1 Cal 6-250ng	6	✓	250.0	239.1	95.6
p1 Cal 7-500ng	7	✓	500.0	406.7	81.3
p1 Cal 8-1000ng	8	x	1000.0	616.7	61.7



CS TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 12/21/2020 2:29 PM
Analyst Name ISP\Datastor
Analyte Methadone **Internal Standard** Methadone-D9



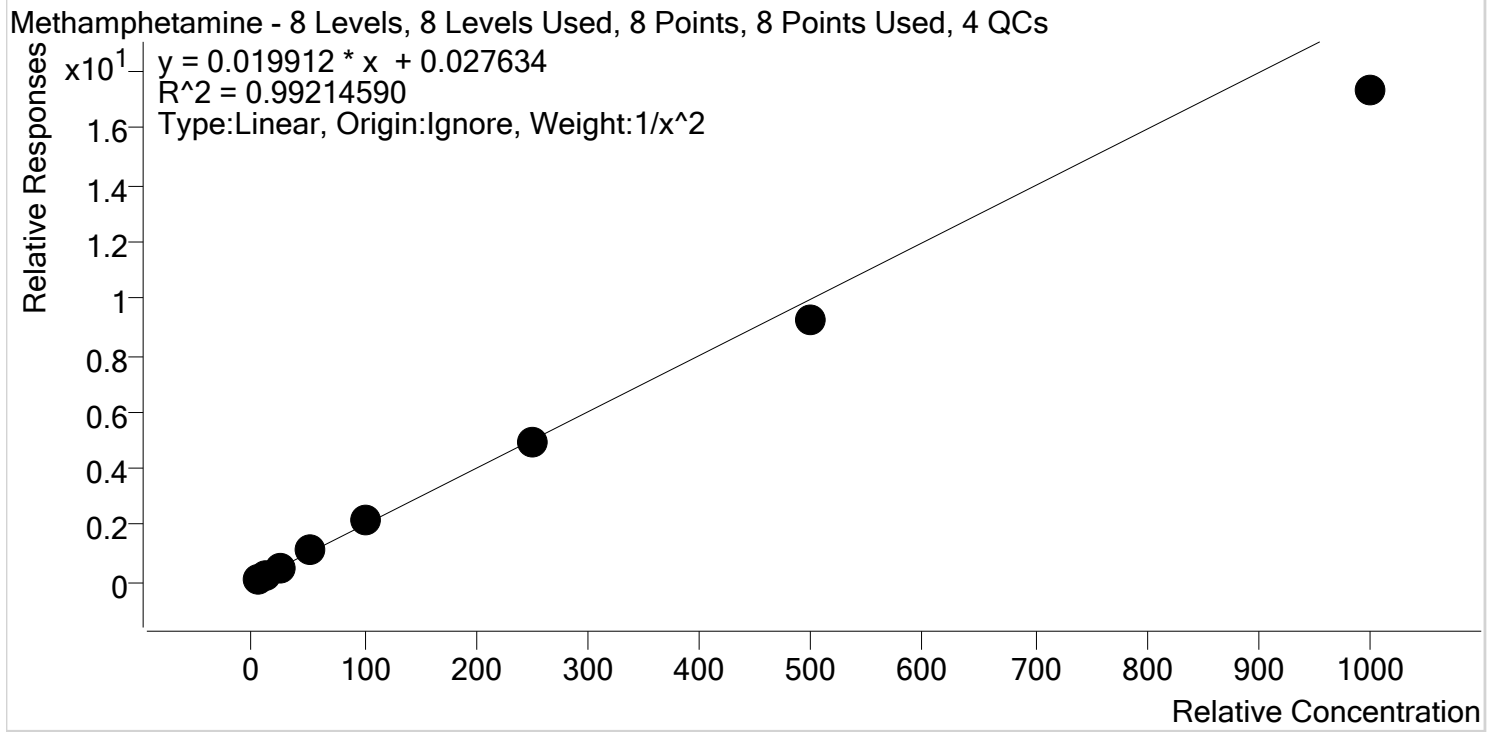
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.2
p1 Cal 2- 10ng	2	✓	10.0	9.8	97.7
p1 Cal 3 -25ng	3	✓	25.0	24.5	98.1
p1 Cal 4-50ng	4	✓	50.0	51.6	103.2
p1 Cal 5-100ng	5	✓	100.0	99.7	99.7
p1 Cal 6-250ng	6	✓	250.0	248.6	99.4
p1 Cal 7-500ng	7	✓	500.0	494.8	99.0
p1 Cal 8-1000ng	8	✓	1000.0	1017.2	101.7



CS TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 12/21/2020 2:29 PM
Analyst Name ISP\Datastor
Analyte Methamphetamine **Internal Standard** Methamphetamine-D11



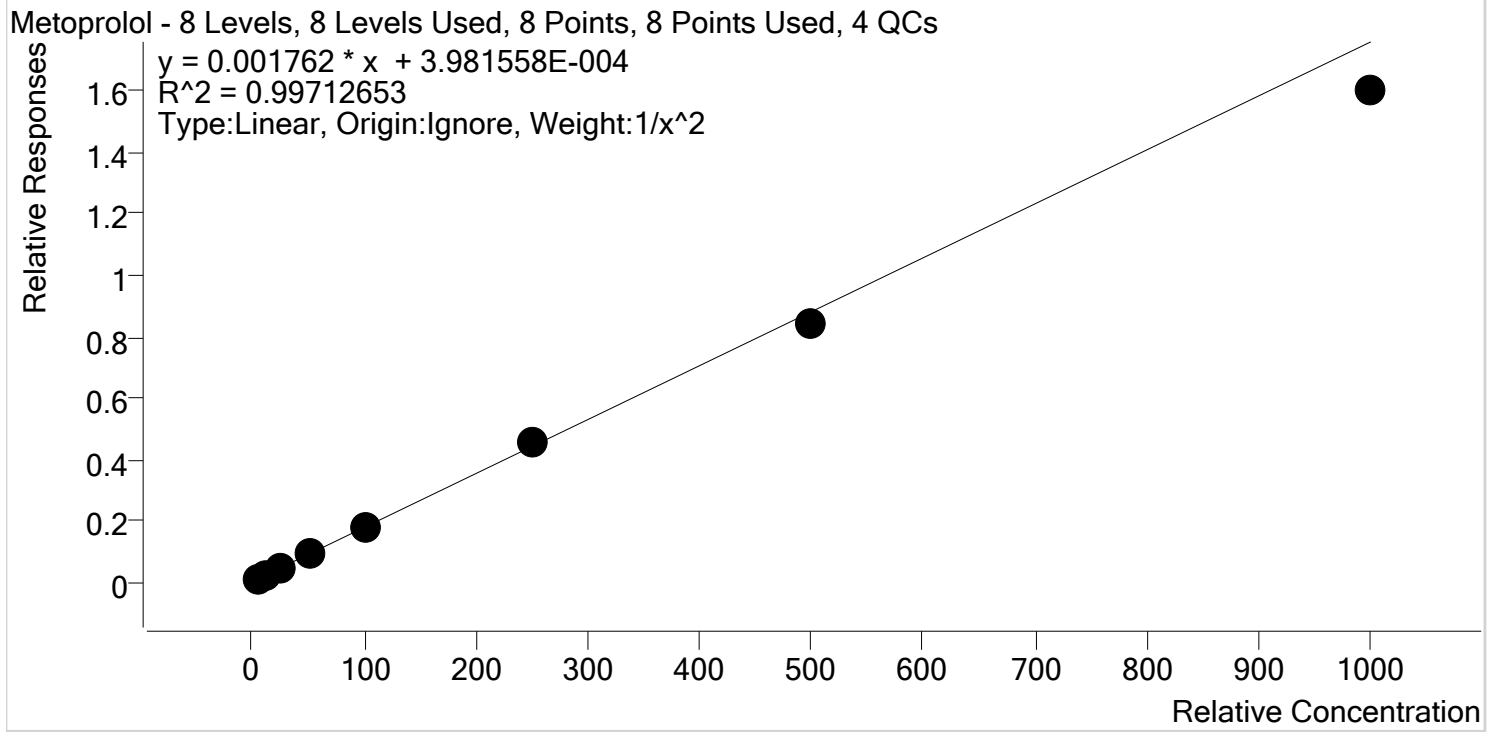
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.2
p1 Cal 2- 10ng	2	✓	10.0	10.3	102.9
p1 Cal 3 -25ng	3	✓	25.0	26.5	106.2
p1 Cal 4-50ng	4	✓	50.0	54.6	109.2
p1 Cal 5-100ng	5	✓	100.0	106.5	106.5
p1 Cal 6-250ng	6	✓	250.0	249.0	99.6
p1 Cal 7-500ng	7	✓	500.0	462.5	92.5
p1 Cal 8-1000ng	8	✓	1000.0	868.6	86.9



CS TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 12/21/2020 2:29 PM
Analyst Name ISP\Datastor
Analyte Metoprolol **Internal Standard** Tramadol-13C-D3



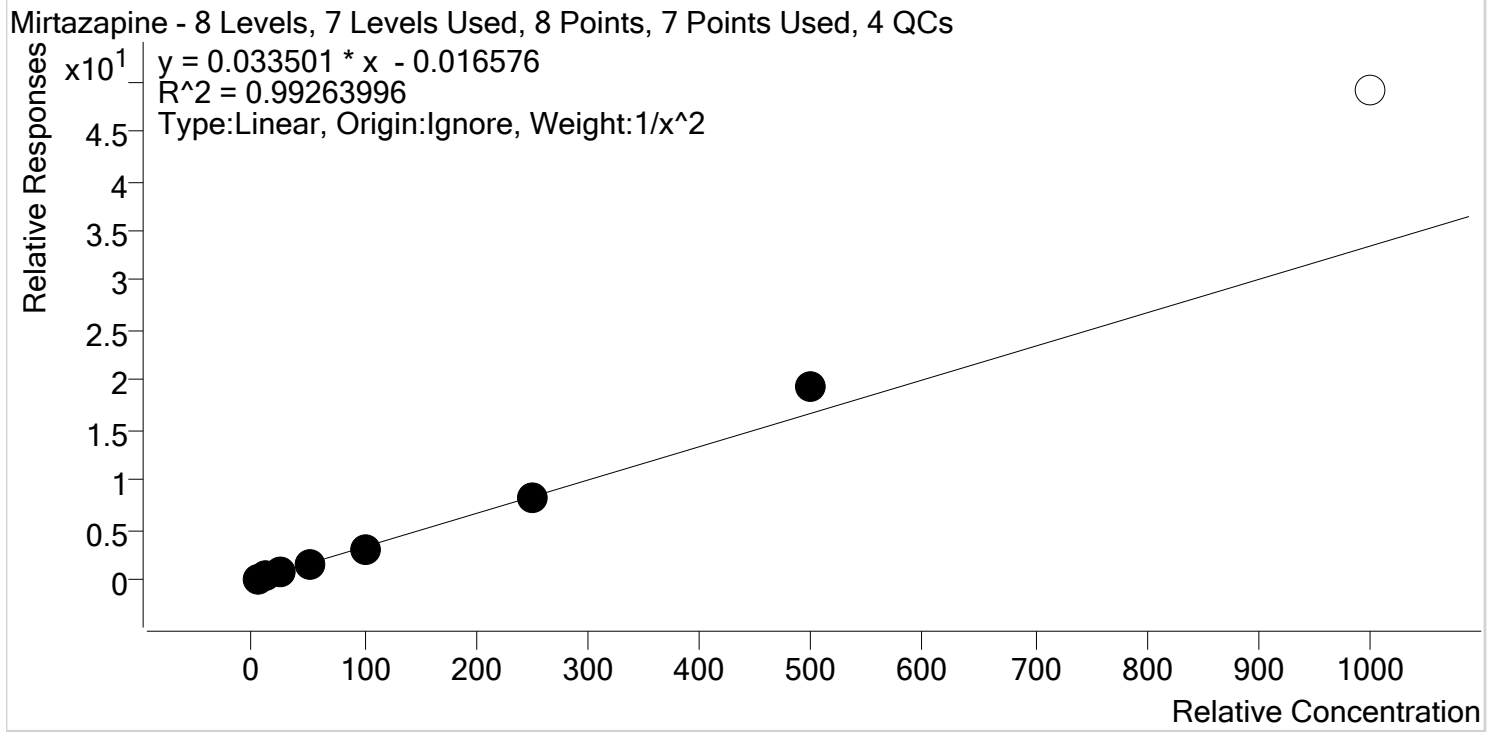
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	99.0
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.5
p1 Cal 3 -25ng	3	✓	25.0	25.7	102.9
p1 Cal 4-50ng	4	✓	50.0	52.8	105.6
p1 Cal 5-100ng	5	✓	100.0	103.1	103.1
p1 Cal 6-250ng	6	✓	250.0	256.6	102.6
p1 Cal 7-500ng	7	✓	500.0	481.4	96.3
p1 Cal 8-1000ng	8	✓	1000.0	910.1	91.0



CS TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 12/21/2020 2:29 PM
Analyst Name ISP\Datastor
Analyte Mirtazapine **Internal Standard** alpha-PVP-d8



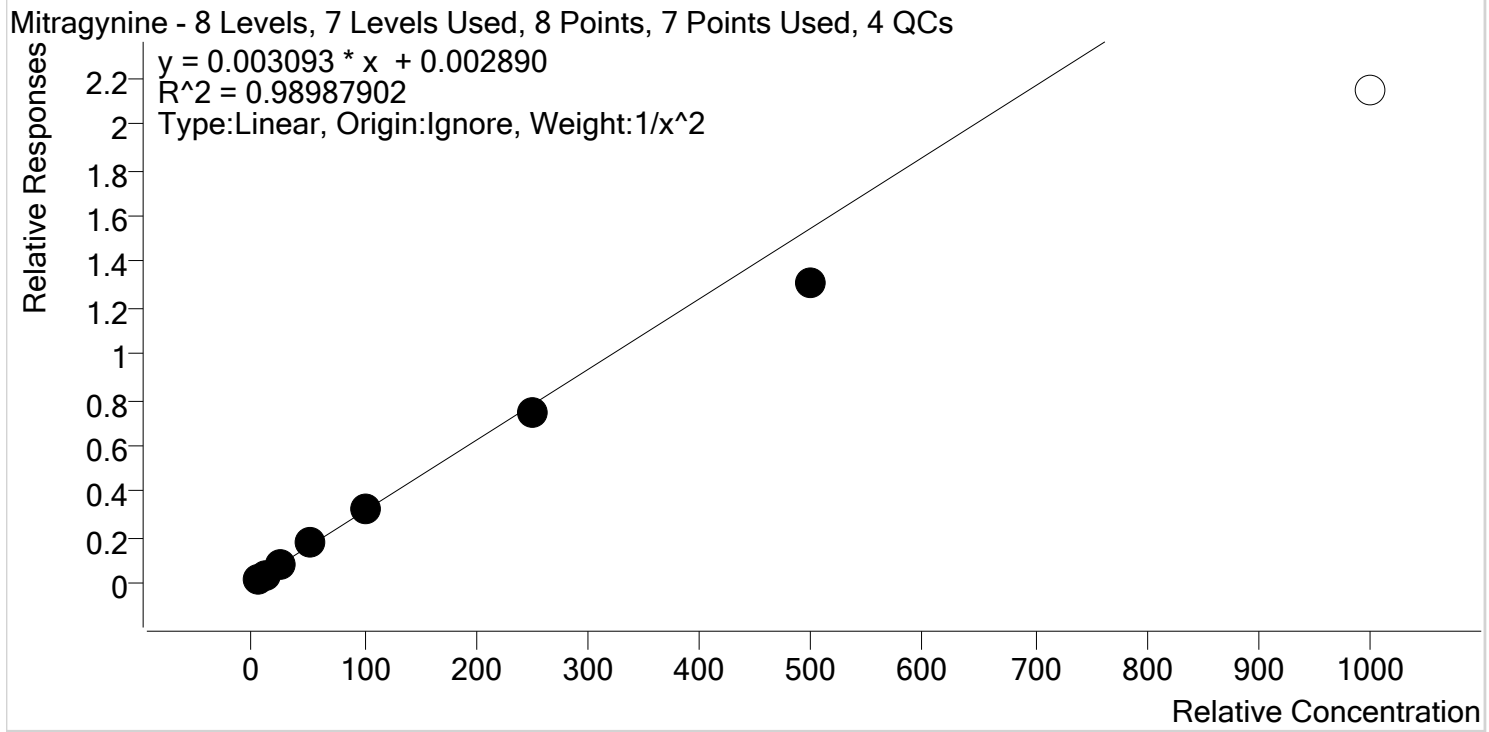
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.1
p1 Cal 2- 10ng	2	✓	10.0	10.0	99.6
p1 Cal 3 -25ng	3	✓	25.0	24.9	99.5
p1 Cal 4-50ng	4	✓	50.0	47.1	94.2
p1 Cal 5-100ng	5	✓	100.0	93.5	93.5
p1 Cal 6-250ng	6	✓	250.0	242.1	96.9
p1 Cal 7-500ng	7	✓	500.0	576.0	115.2
p1 Cal 8-1000ng	8	✗	1000.0	1465.0	146.5



CS TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 12/21/2020 2:29 PM
Analyst Name ISP\Datastor
Analyte Mitragynine **Internal Standard** Methadone-D9



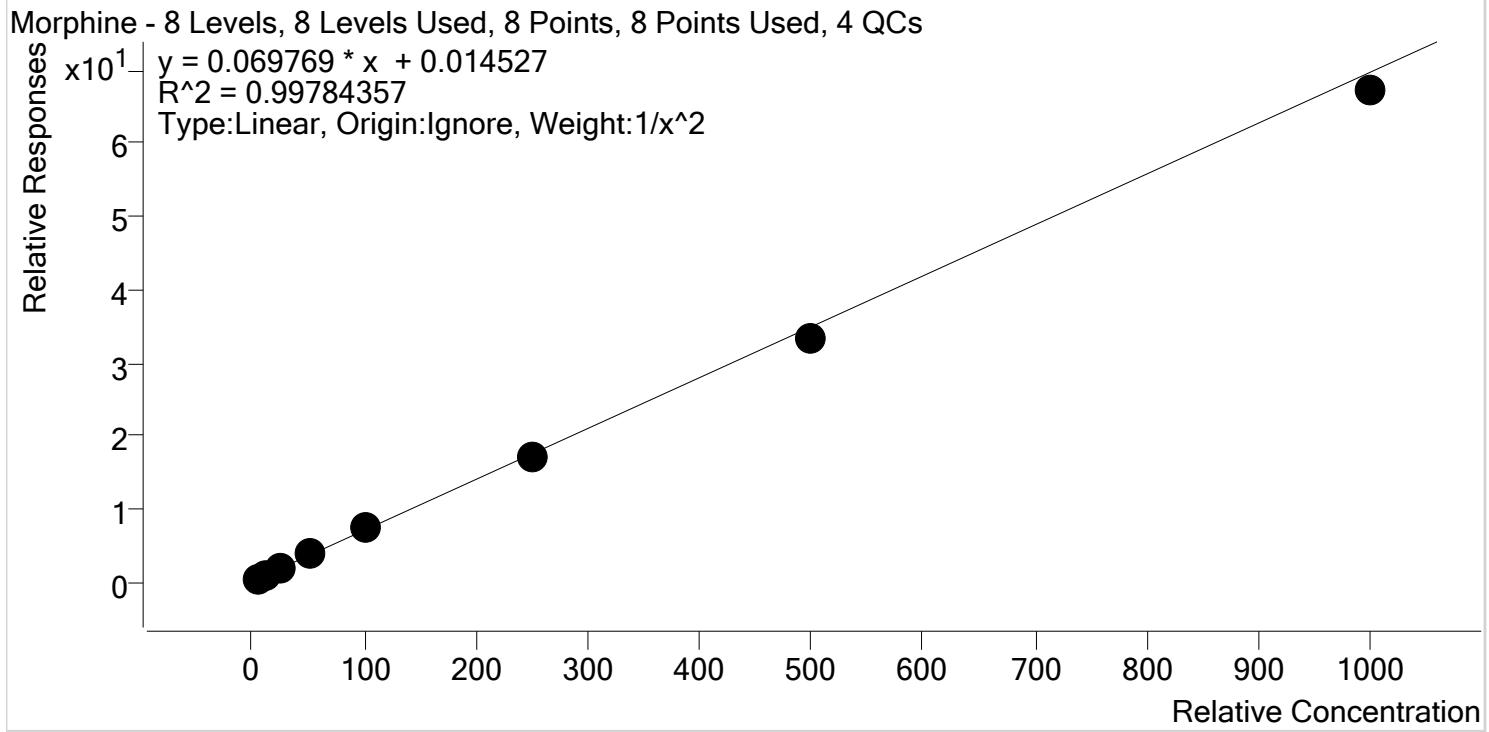
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.7
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.2
p1 Cal 3 -25ng	3	✓	25.0	26.5	105.8
p1 Cal 4-50ng	4	✓	50.0	55.4	110.8
p1 Cal 5-100ng	5	✓	100.0	103.9	103.9
p1 Cal 6-250ng	6	✓	250.0	240.0	96.0
p1 Cal 7-500ng	7	✓	500.0	422.6	84.5
p1 Cal 8-1000ng	8	✗	1000.0	693.8	69.4

CS TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 12/21/2020 2:29 PM
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	4.9	97.8
p1 Cal 2- 10ng	2	✓	10.0	10.4	103.6
p1 Cal 3 -25ng	3	✓	25.0	24.6	98.6
p1 Cal 4-50ng	4	✓	50.0	52.6	105.2
p1 Cal 5-100ng	5	✓	100.0	105.0	105.0
p1 Cal 6-250ng	6	✓	250.0	246.7	98.7
p1 Cal 7-500ng	7	✓	500.0	473.7	94.7
p1 Cal 8-1000ng	8	✓	1000.0	964.0	96.4

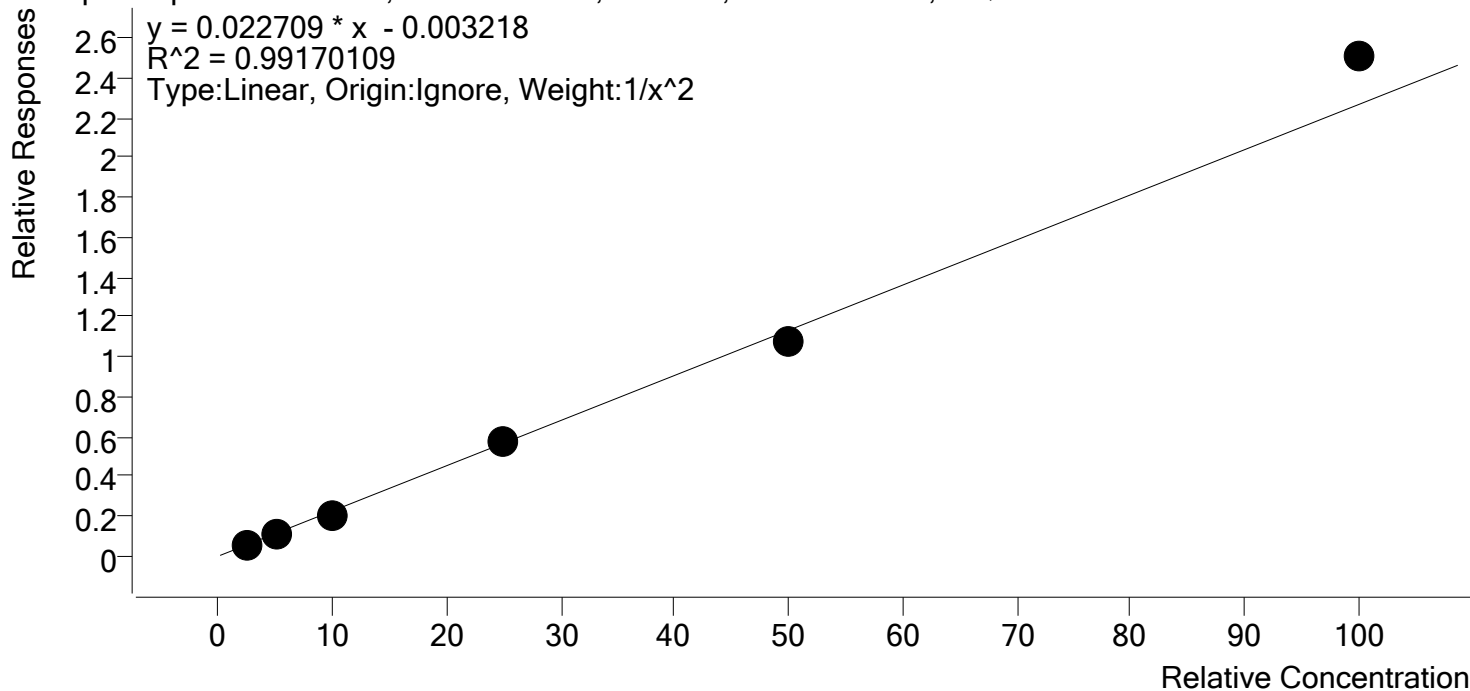


CS TS

AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 12/21/2020 2:29 PM
Analyst Name ISP\Datastor
Analyte Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

Norbuprenorphine - 6 Levels, 6 Levels Used, 6 Points, 6 Points Used, 3 QCs



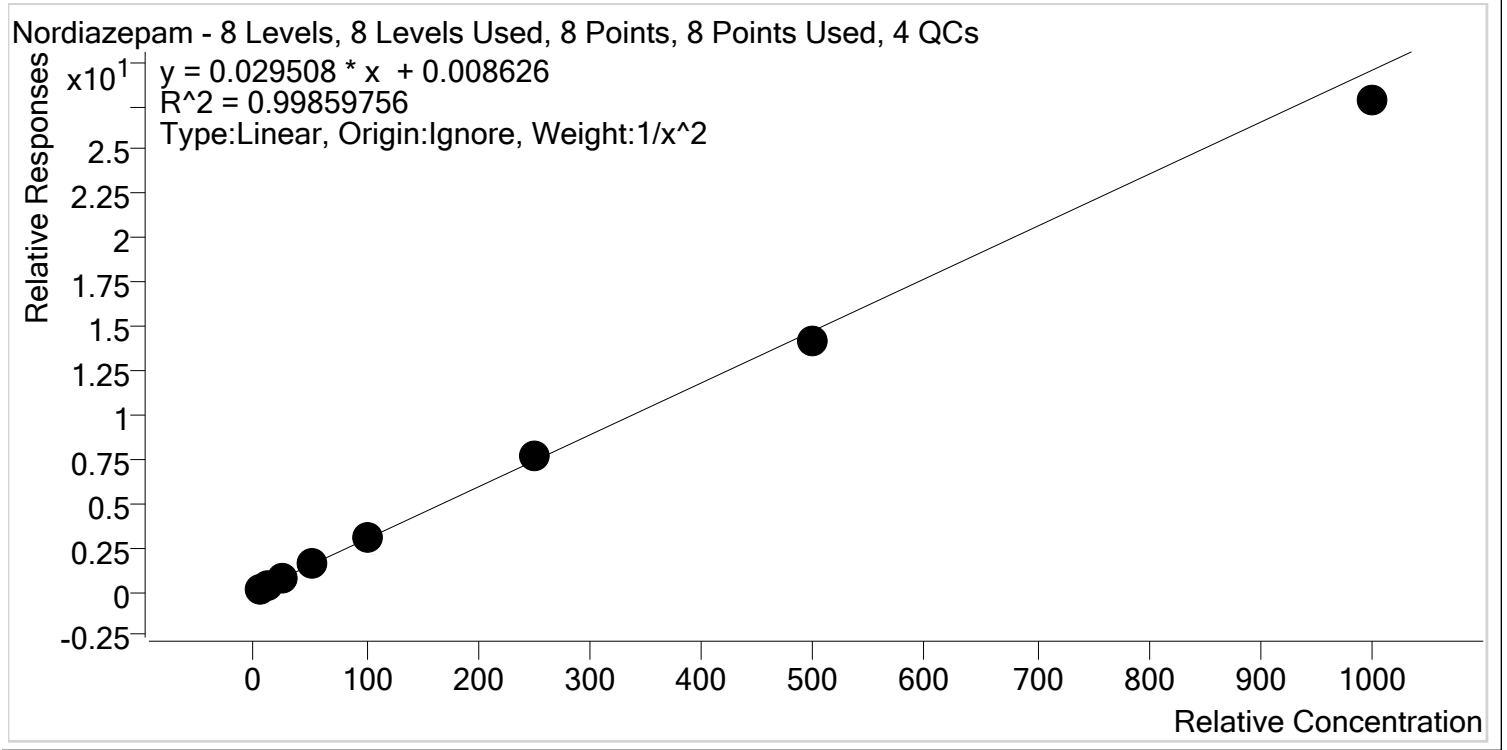
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 3 -25ng	3	✓	2.5	2.5	100.5
p1 Cal 4-50ng	4	✓	5.0	5.2	104.3
p1 Cal 5-100ng	5	✓	10.0	8.9	89.4
p1 Cal 6-250ng	6	✓	25.0	25.1	100.3
p1 Cal 7-500ng	7	✓	50.0	47.5	95.0
p1 Cal 8-1000ng	8	✓	100.0	110.6	110.6

CS TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 12/21/2020 2:29 PM
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	5.0	99.0
p1 Cal 2- 10ng	2	✓	10.0	10.1	100.8
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.8
p1 Cal 4-50ng	4	✓	50.0	51.4	102.7
p1 Cal 5-100ng	5	✓	100.0	103.0	103.0
p1 Cal 6-250ng	6	✓	250.0	257.4	103.0
p1 Cal 7-500ng	7	✓	500.0	482.4	96.5
p1 Cal 8-1000ng	8	✓	1000.0	941.6	94.2

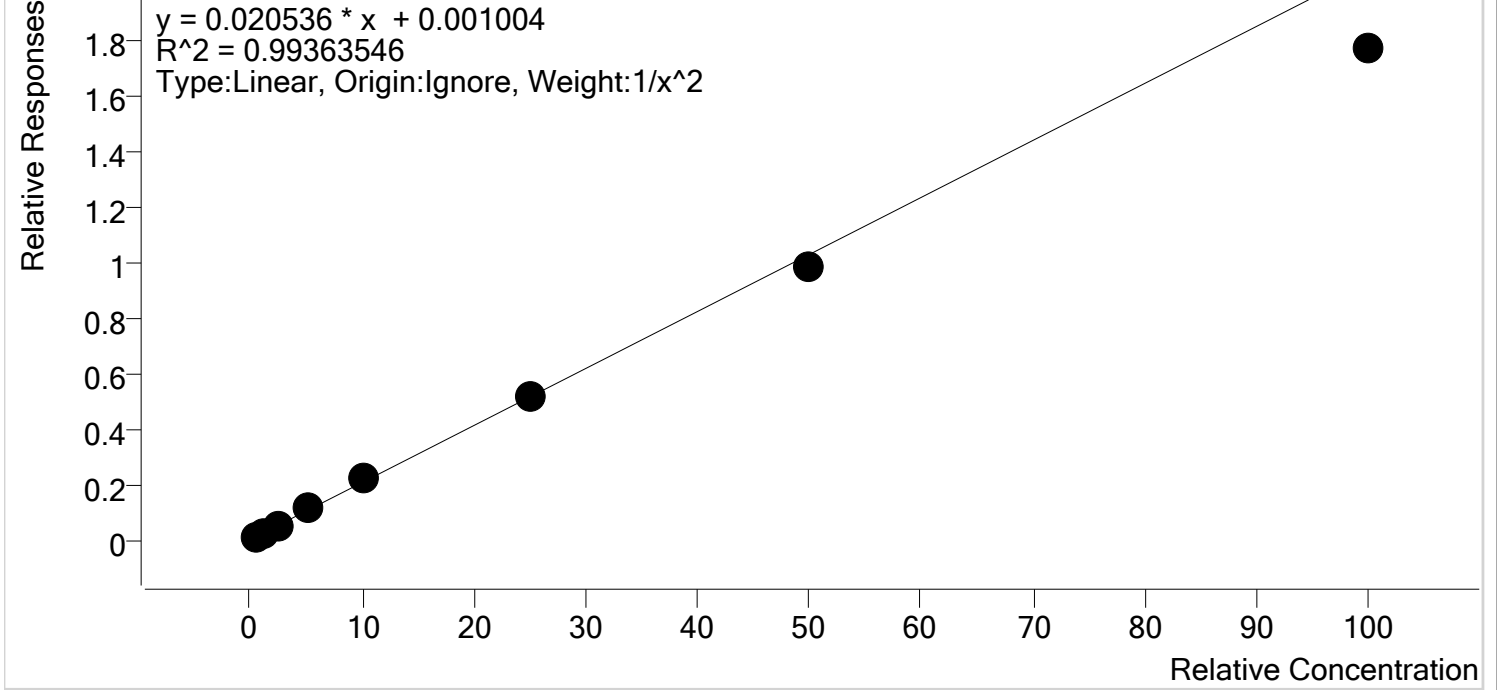
CS TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 12/21/2020 2:29 PM
Analyst Name ISP\Datastor
Analyte Norfentanyl **Internal Standard** Norfentanyl-D5

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



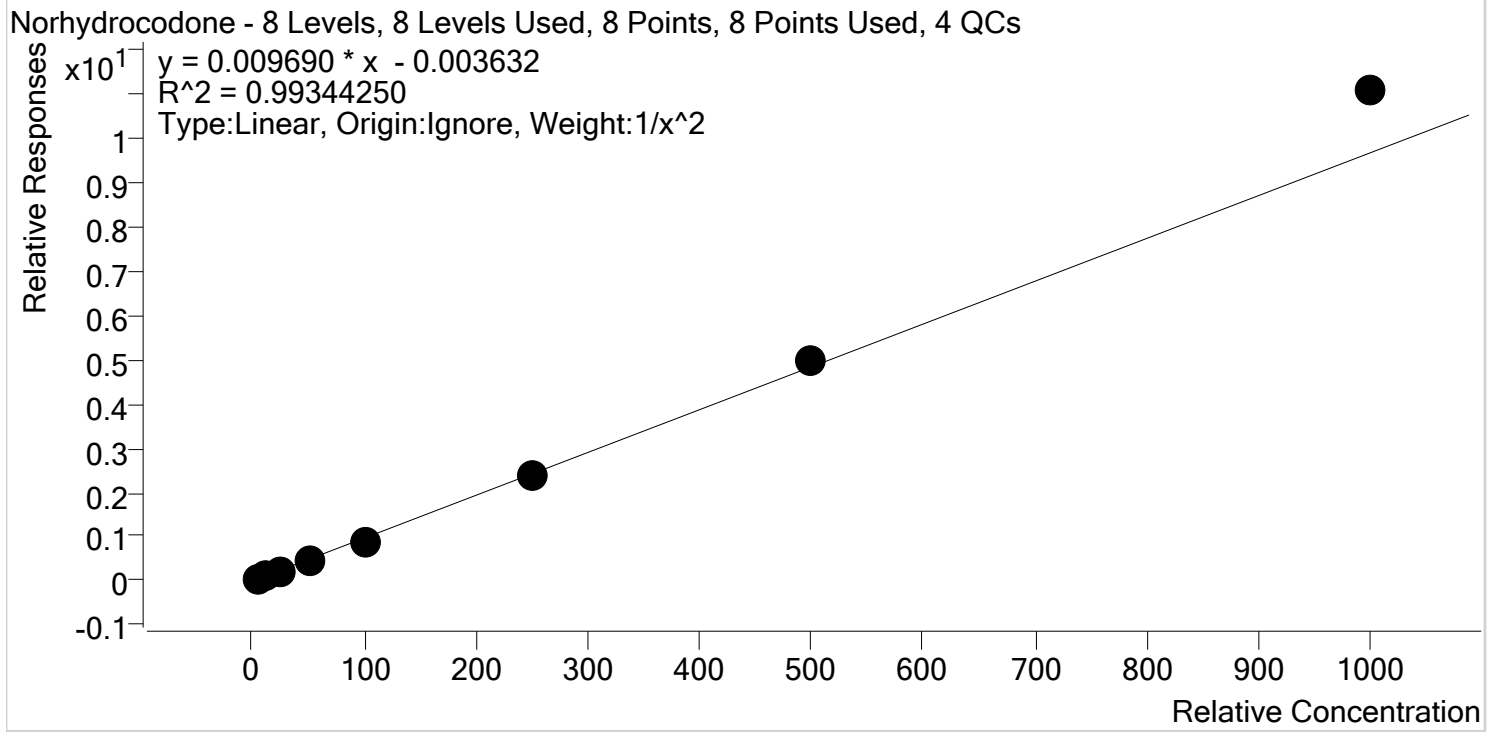
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	0.5	0.5	97.2
p1 Cal 2- 10ng	2	✓	1.0	1.0	101.7
p1 Cal 3 -25ng	3	✓	2.5	2.6	105.1
p1 Cal 4-50ng	4	✓	5.0	5.3	106.6
p1 Cal 5-100ng	5	✓	10.0	10.7	106.6
p1 Cal 6-250ng	6	✓	25.0	25.3	101.2
p1 Cal 7-500ng	7	✓	50.0	47.7	95.5
p1 Cal 8-1000ng	8	✓	100.0	86.1	86.1

CS TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 12/21/2020 2:29 PM
Analyst Name ISP\Datastor
Analyte Norhydrocodone **Internal Standard** Norhydrocodone-D3



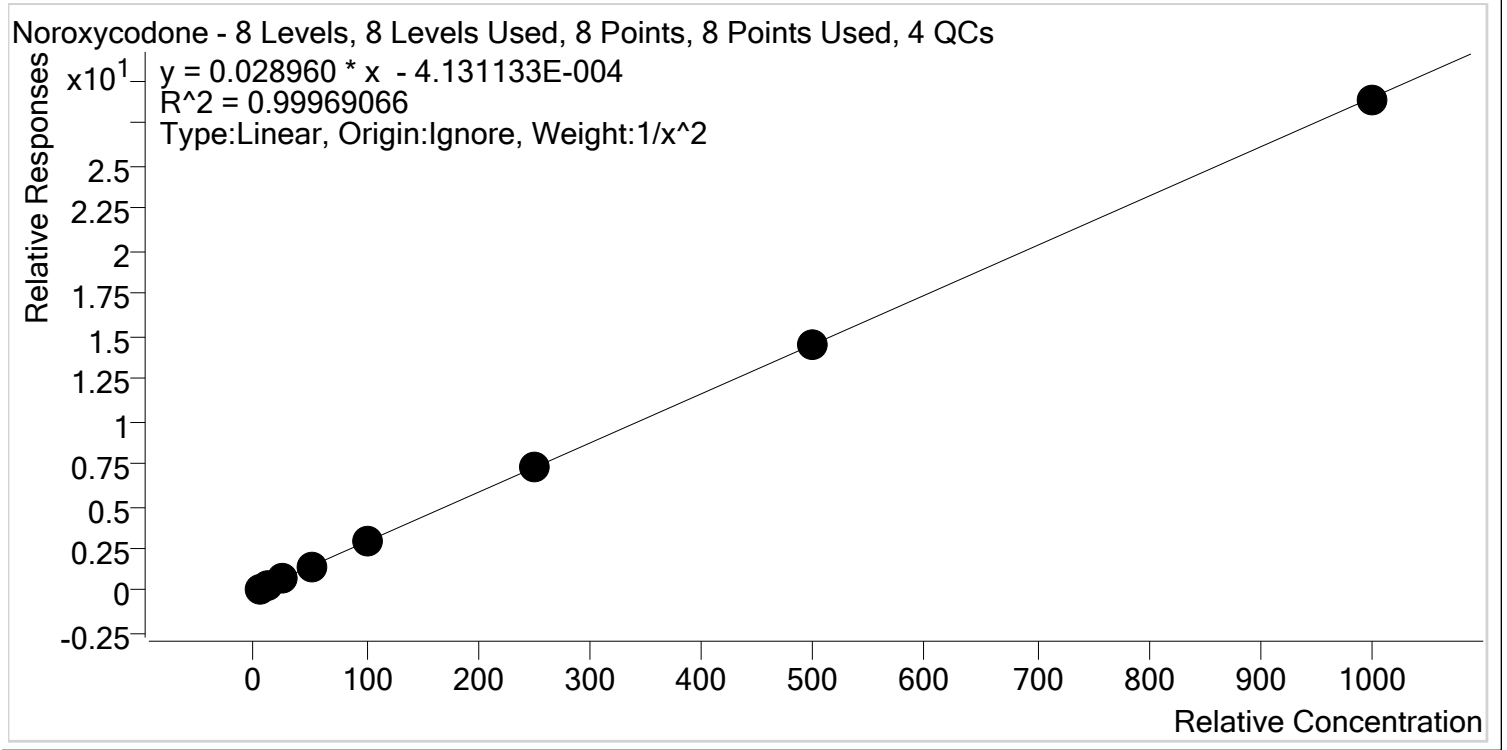
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.2	103.4
p1 Cal 2- 10ng	2	✓	10.0	9.7	96.9
p1 Cal 3 -25ng	3	✓	25.0	23.4	93.7
p1 Cal 4-50ng	4	✓	50.0	48.6	97.1
p1 Cal 5-100ng	5	✓	100.0	92.8	92.8
p1 Cal 6-250ng	6	✓	250.0	245.3	98.1
p1 Cal 7-500ng	7	✓	500.0	517.2	103.4
p1 Cal 8-1000ng	8	✓	1000.0	1145.4	114.5

CS TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 12/21/2020 2:29 PM
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	4.9	98.9
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.8
p1 Cal 3 -25ng	3	✓	25.0	25.0	100.0
p1 Cal 4-50ng	4	✓	50.0	51.4	102.8
p1 Cal 5-100ng	5	✓	100.0	98.5	98.5
p1 Cal 6-250ng	6	✓	250.0	247.9	99.2
p1 Cal 7-500ng	7	✓	500.0	497.0	99.4
p1 Cal 8-1000ng	8	✓	1000.0	993.9	99.4

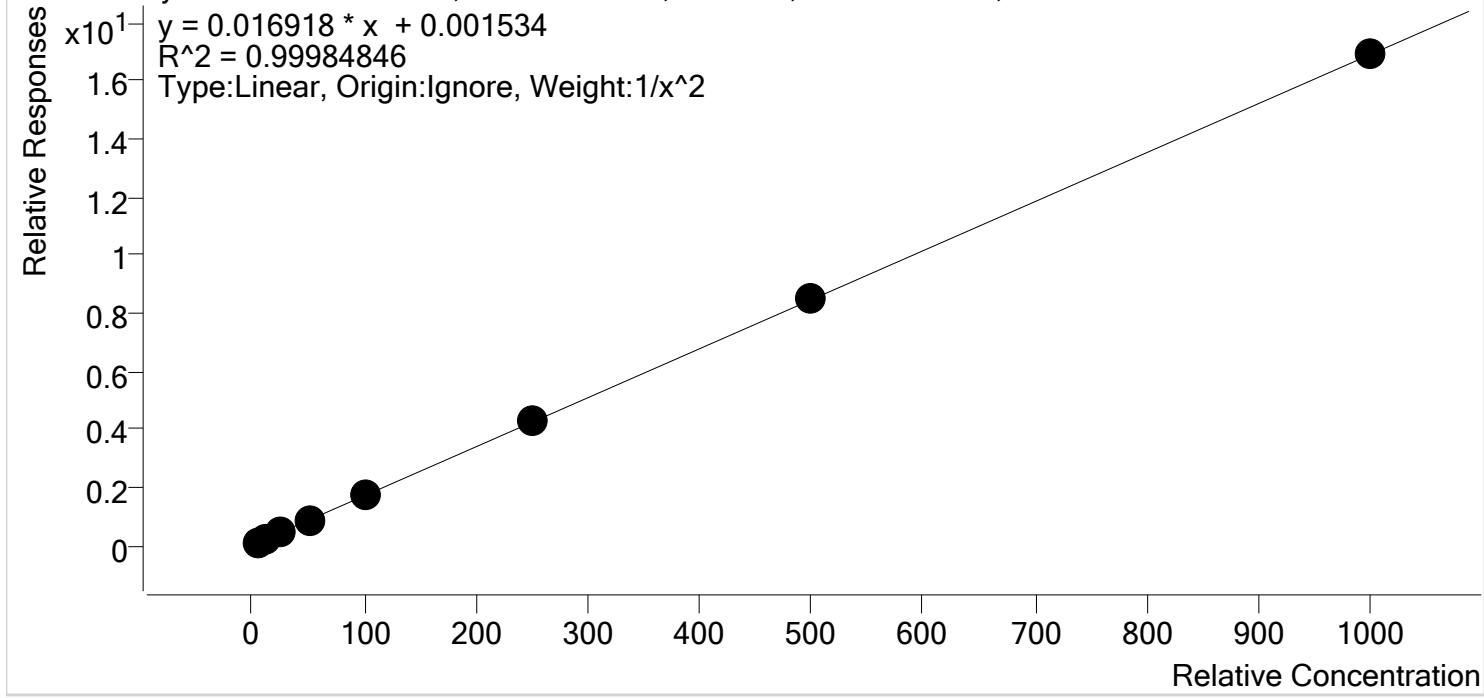
CS TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 12/21/2020 2:29 PM
Analyst Name ISP\Datastor
Analyte O-desmethyl-tramadol **Internal Standard** O-desmethyl-tramadol-D6

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



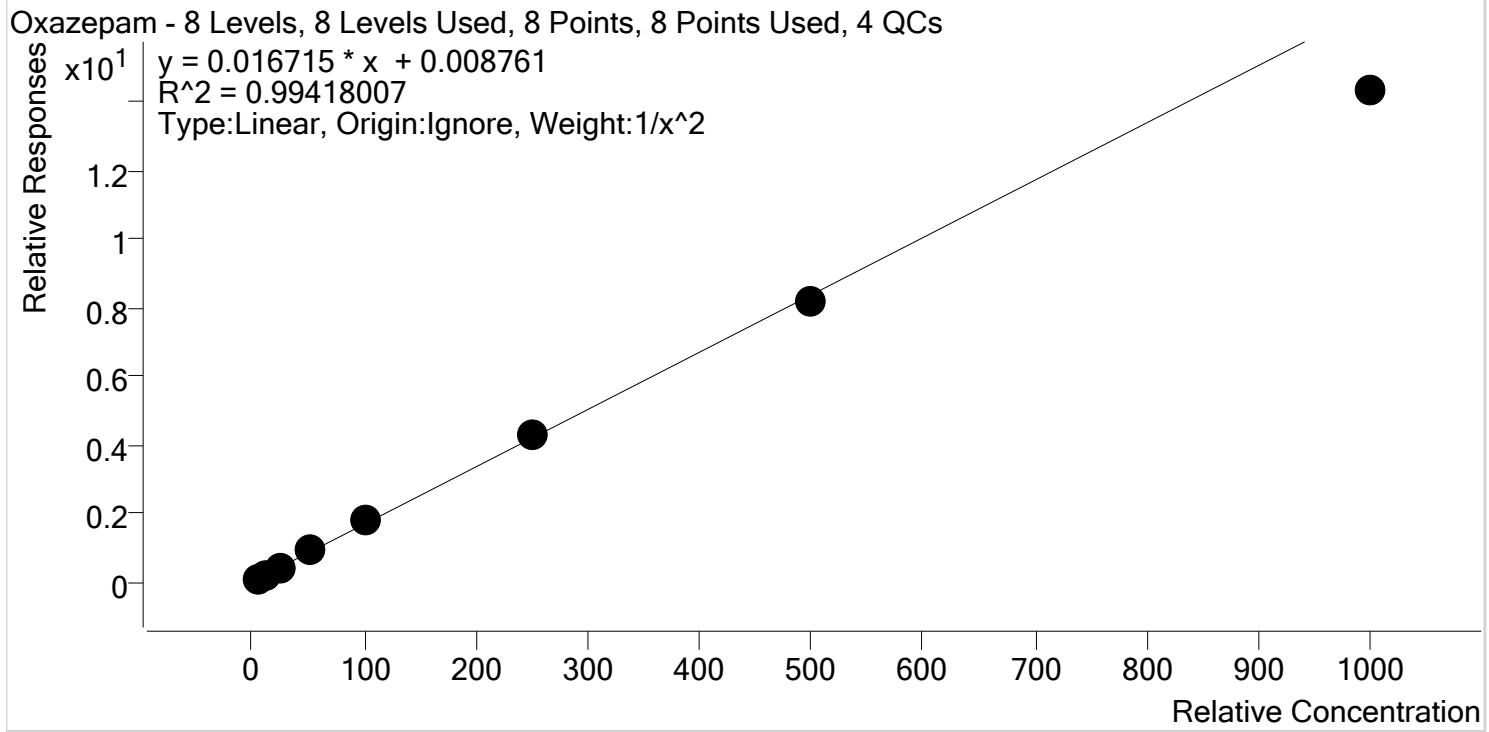
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.6
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.2
p1 Cal 3 -25ng	3	✓	25.0	24.5	97.9
p1 Cal 4-50ng	4	✓	50.0	50.8	101.5
p1 Cal 5-100ng	5	✓	100.0	100.0	100.0
p1 Cal 6-250ng	6	✓	250.0	251.1	100.4
p1 Cal 7-500ng	7	✓	500.0	501.2	100.2
p1 Cal 8-1000ng	8	✓	1000.0	1000.8	100.1

CS TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 12/21/2020 2:29 PM
Analyst Name ISP\Datastor
Analyte Oxazepam **Internal Standard** Oxazepam-D5



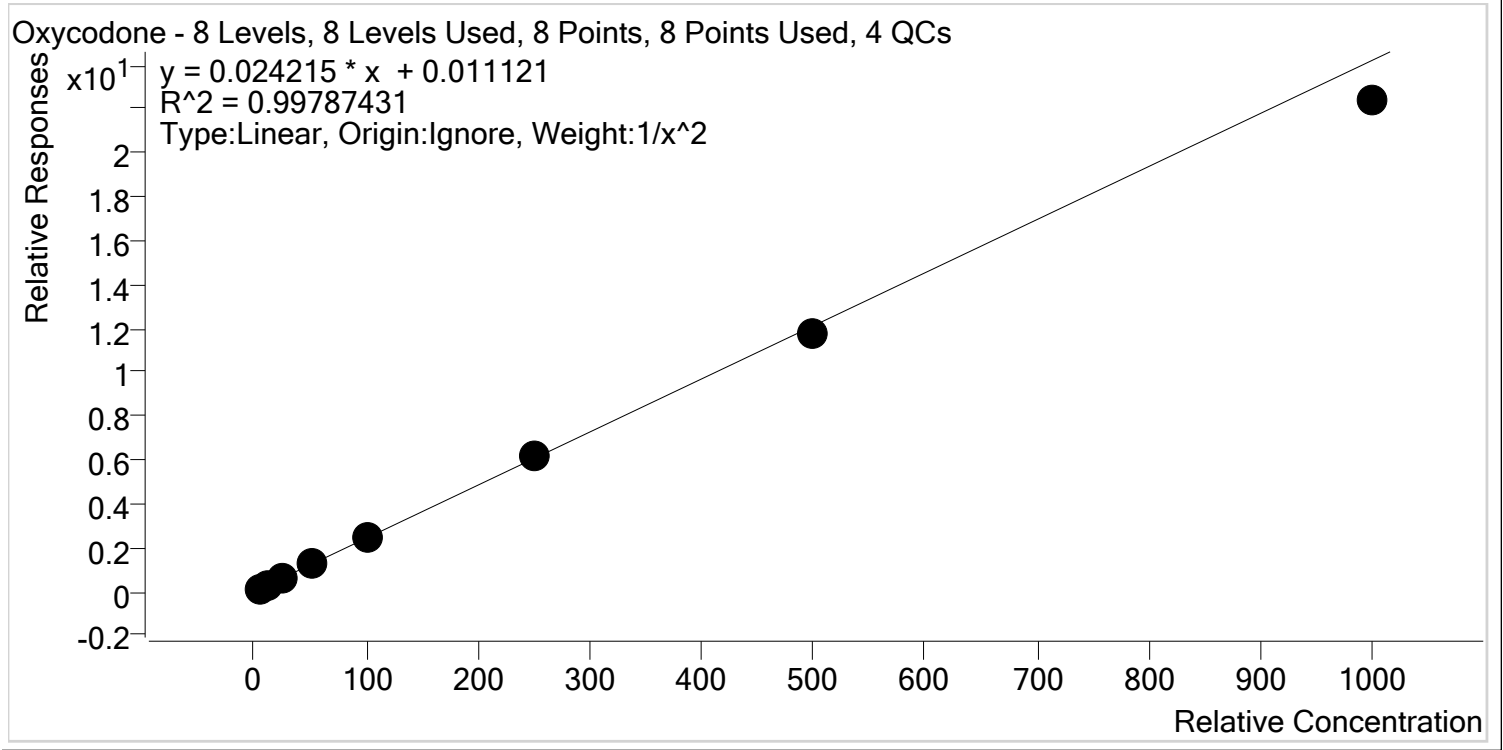
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.3
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.4
p1 Cal 3 -25ng	3	✓	25.0	25.8	103.4
p1 Cal 4-50ng	4	✓	50.0	53.1	106.2
p1 Cal 5-100ng	5	✓	100.0	106.4	106.4
p1 Cal 6-250ng	6	✓	250.0	254.6	101.9
p1 Cal 7-500ng	7	✓	500.0	489.4	97.9
p1 Cal 8-1000ng	8	✓	1000.0	856.4	85.6

CS TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 12/21/2020 2:29 PM
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	98.9
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.3
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.1
p1 Cal 4-50ng	4	✓	50.0	52.7	105.4
p1 Cal 5-100ng	5	✓	100.0	103.2	103.2
p1 Cal 6-250ng	6	✓	250.0	254.5	101.8
p1 Cal 7-500ng	7	✓	500.0	484.1	96.8
p1 Cal 8-1000ng	8	✓	1000.0	924.2	92.4

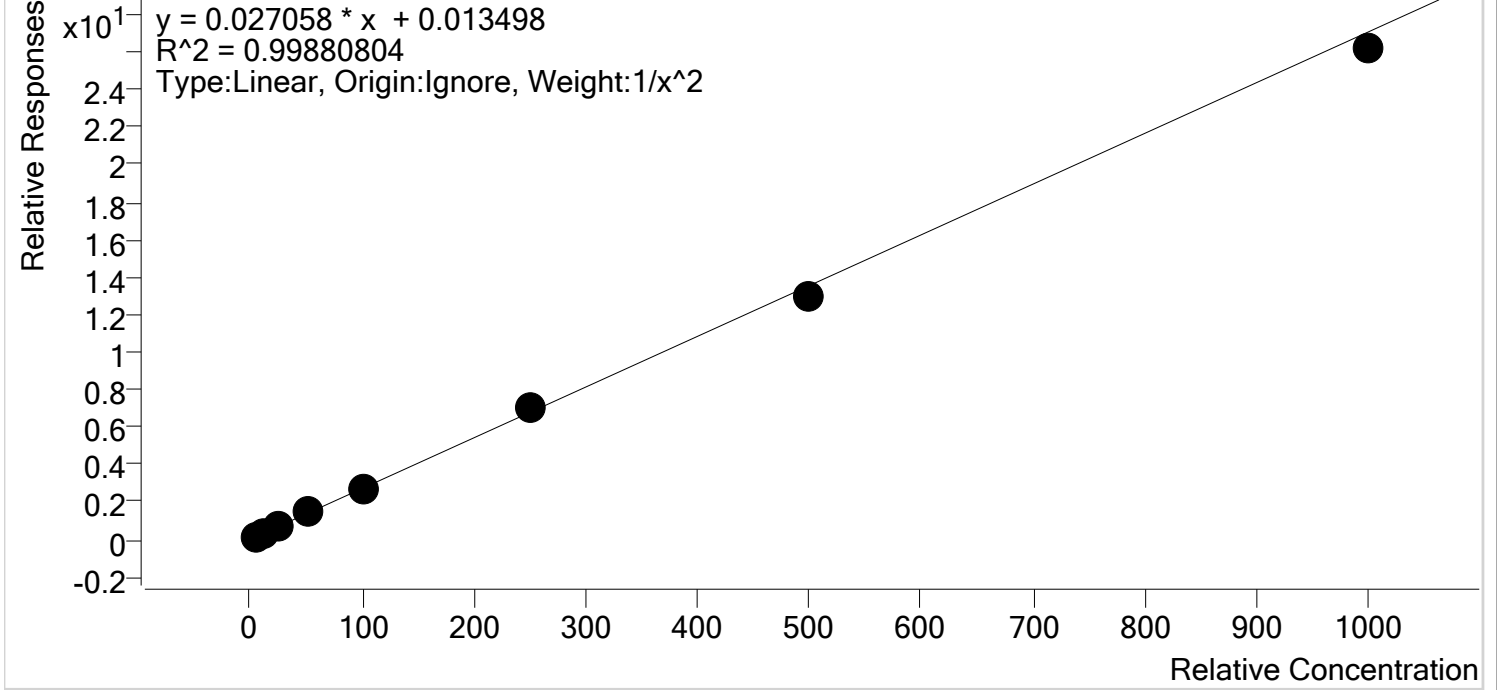
CS TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 12/21/2020 2:29 PM
Analyst Name ISP\Datastor
Analyte Oxymorphone **Internal Standard** Oxymorphone-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.1
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.4
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.3
p1 Cal 4-50ng	4	✓	50.0	52.0	104.0
p1 Cal 5-100ng	5	✓	100.0	100.5	100.5
p1 Cal 6-250ng	6	✓	250.0	257.2	102.9
p1 Cal 7-500ng	7	✓	500.0	475.2	95.0
p1 Cal 8-1000ng	8	✓	1000.0	967.3	96.7

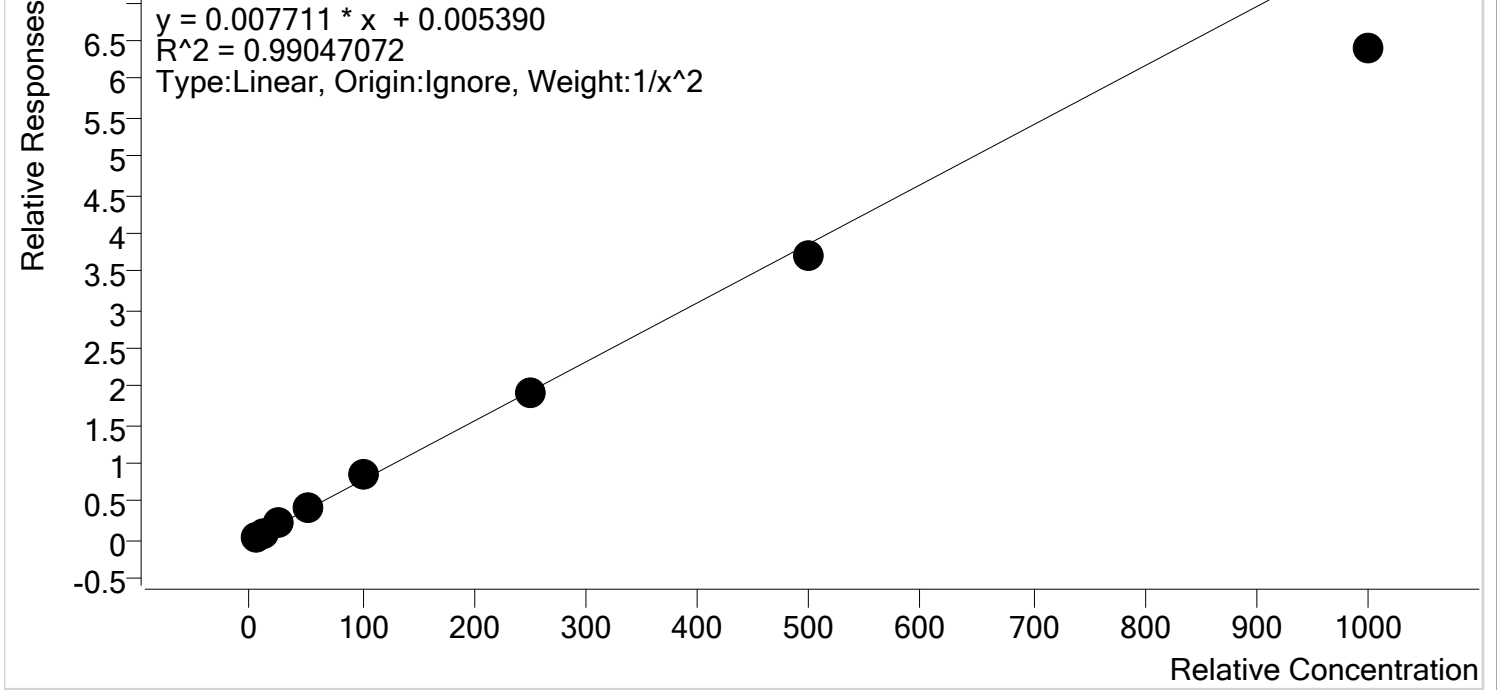
CS TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 12/21/2020 2:29 PM
Analyst Name ISP\Datastor
Analyte Phentermine **Internal Standard** Phentermine-D5

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



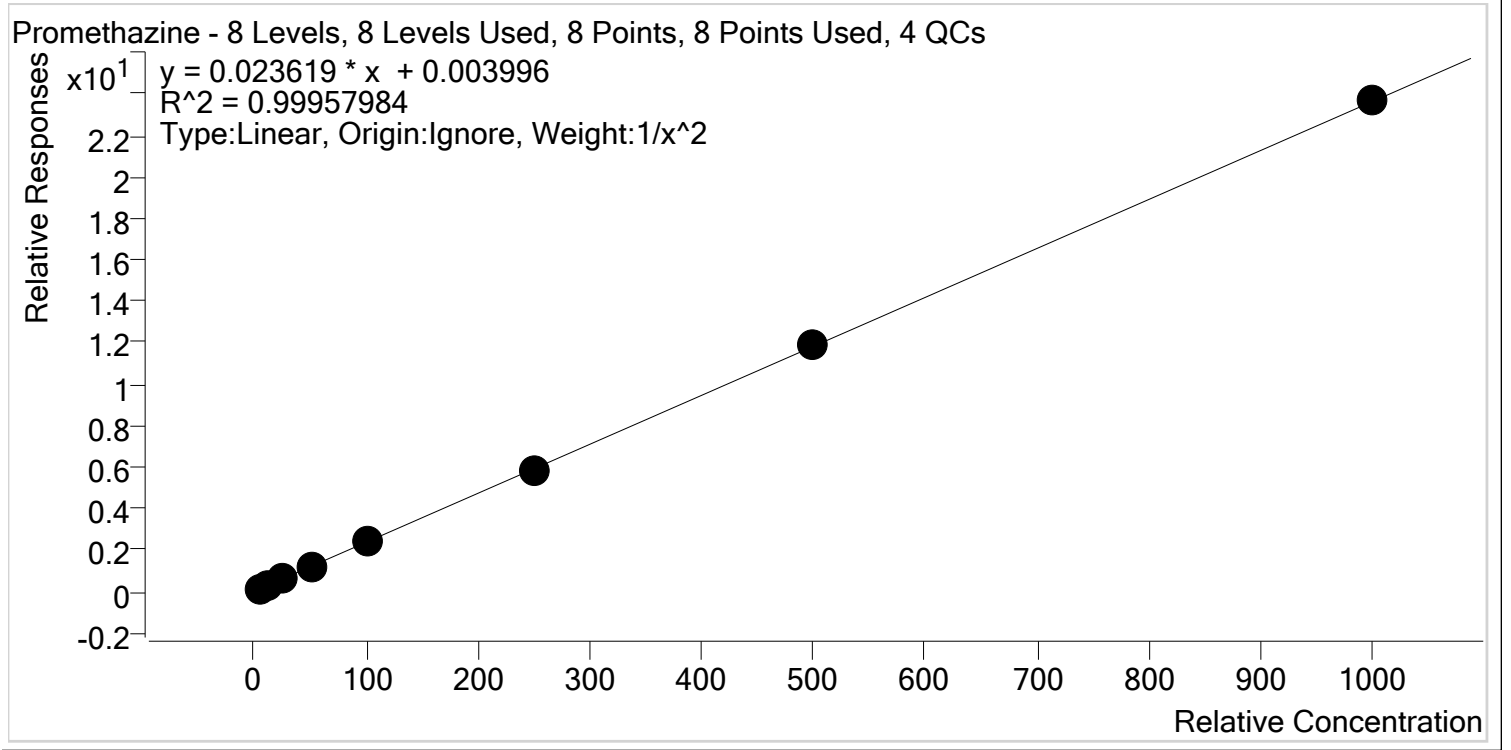
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.8	96.8
p1 Cal 2- 10ng	2	✓	10.0	10.2	101.6
p1 Cal 3 -25ng	3	✓	25.0	26.4	105.5
p1 Cal 4-50ng	4	✓	50.0	55.0	109.9
p1 Cal 5-100ng	5	✓	100.0	107.4	107.4
p1 Cal 6-250ng	6	✓	250.0	249.9	100.0
p1 Cal 7-500ng	7	✓	500.0	478.6	95.7
p1 Cal 8-1000ng	8	✓	1000.0	829.3	82.9

CS TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 12/21/2020 2:29 PM
Analyst Name ISP\Datastor
Analyte Promethazine **Internal Standard** Promethazine-D3



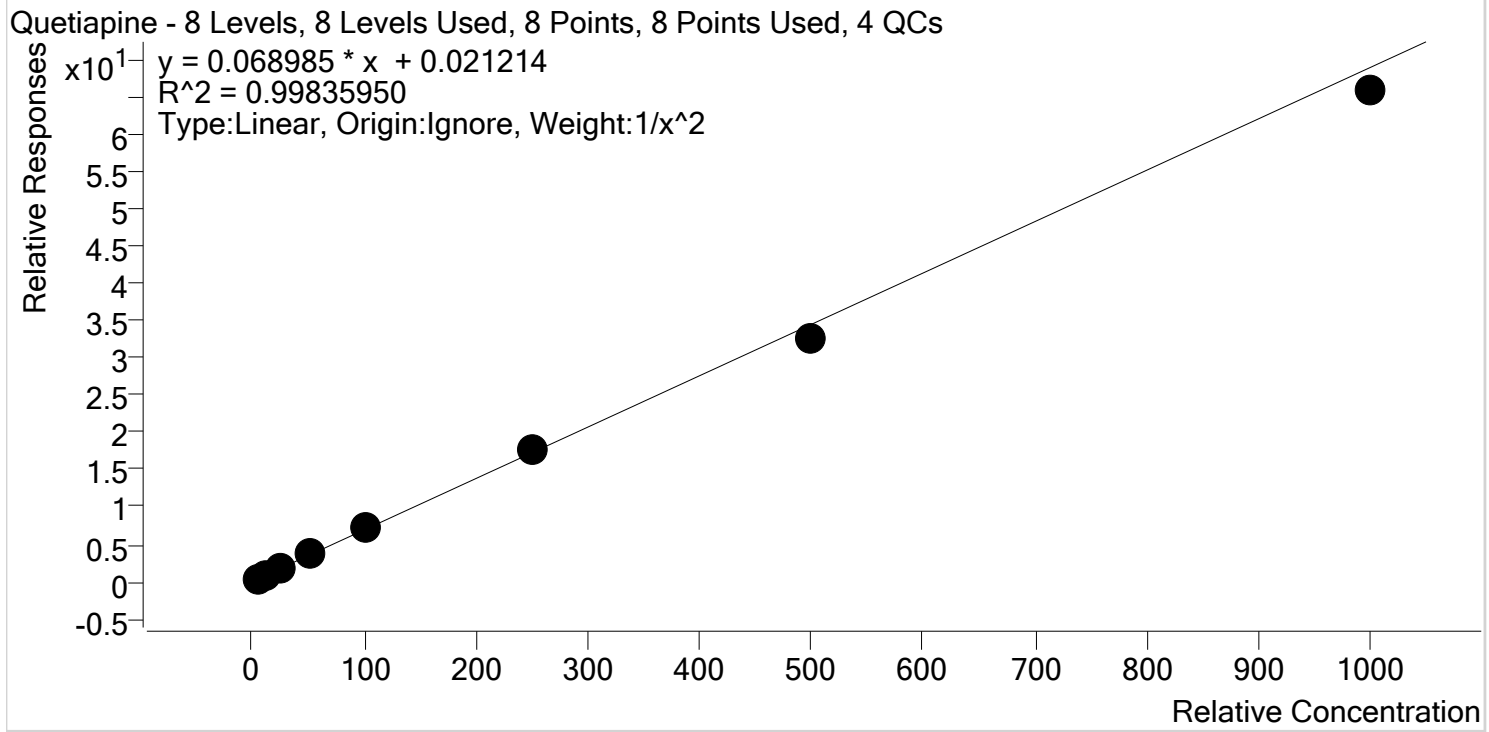
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.1	101.2
p1 Cal 2- 10ng	2	✓	10.0	9.8	97.9
p1 Cal 3 -25ng	3	✓	25.0	24.4	97.5
p1 Cal 4-50ng	4	✓	50.0	51.5	103.1
p1 Cal 5-100ng	5	✓	100.0	99.8	99.8
p1 Cal 6-250ng	6	✓	250.0	248.5	99.4
p1 Cal 7-500ng	7	✓	500.0	503.9	100.8
p1 Cal 8-1000ng	8	✓	1000.0	1002.1	100.2

CS TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 12/21/2020 2:29 PM
Analyst Name ISP\Datastor
Analyte Quetiapine **Internal Standard** Quetiapine-D8



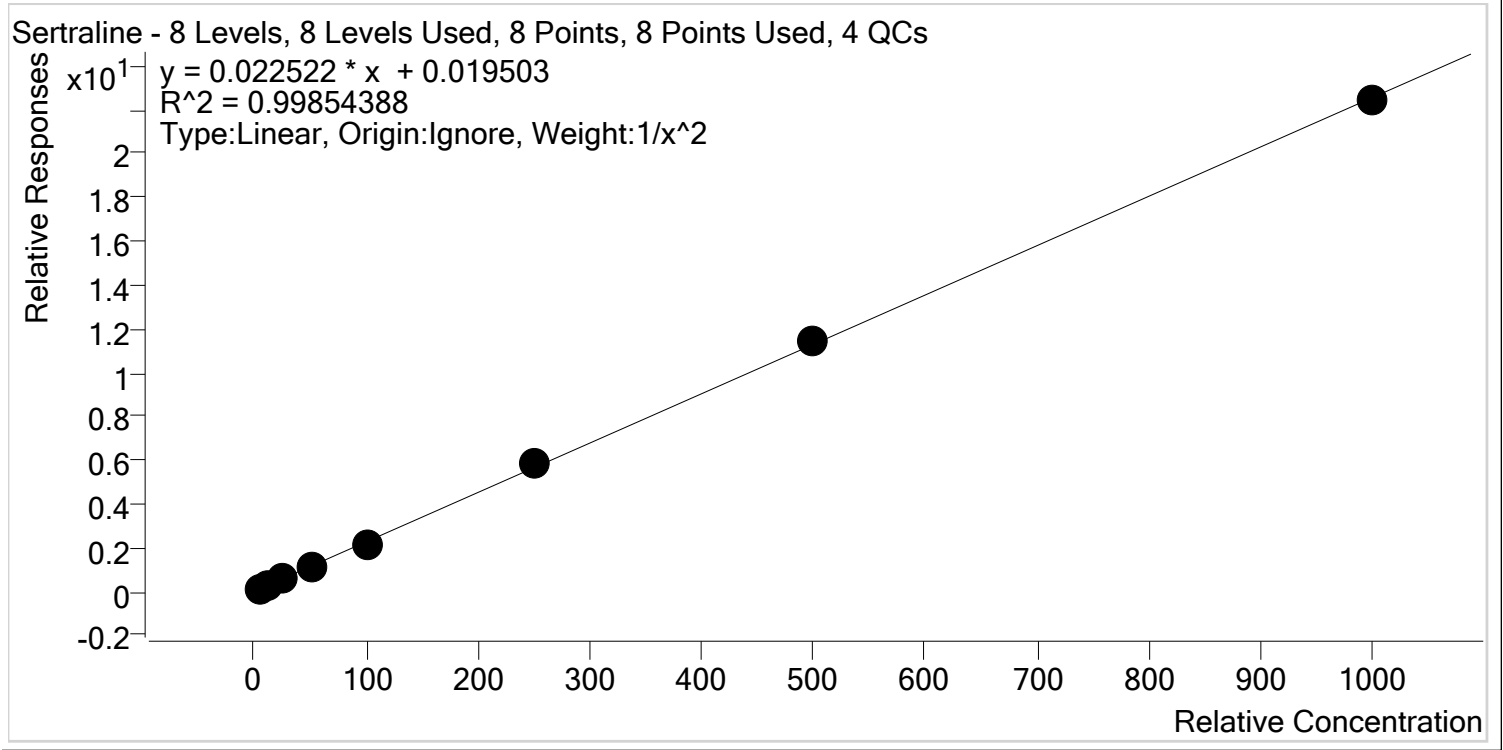
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.1
p1 Cal 2- 10ng	2	✓	10.0	10.0	100.3
p1 Cal 3 -25ng	3	✓	25.0	25.1	100.5
p1 Cal 4-50ng	4	✓	50.0	52.7	105.4
p1 Cal 5-100ng	5	✓	100.0	103.0	103.0
p1 Cal 6-250ng	6	✓	250.0	253.3	101.3
p1 Cal 7-500ng	7	✓	500.0	474.6	94.9
p1 Cal 8-1000ng	8	✓	1000.0	955.1	95.5

CS TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 12/21/2020 2:29 PM
Analyst Name ISP\Datastor
Analyte Sertraline **Internal Standard** Sertraline-D3



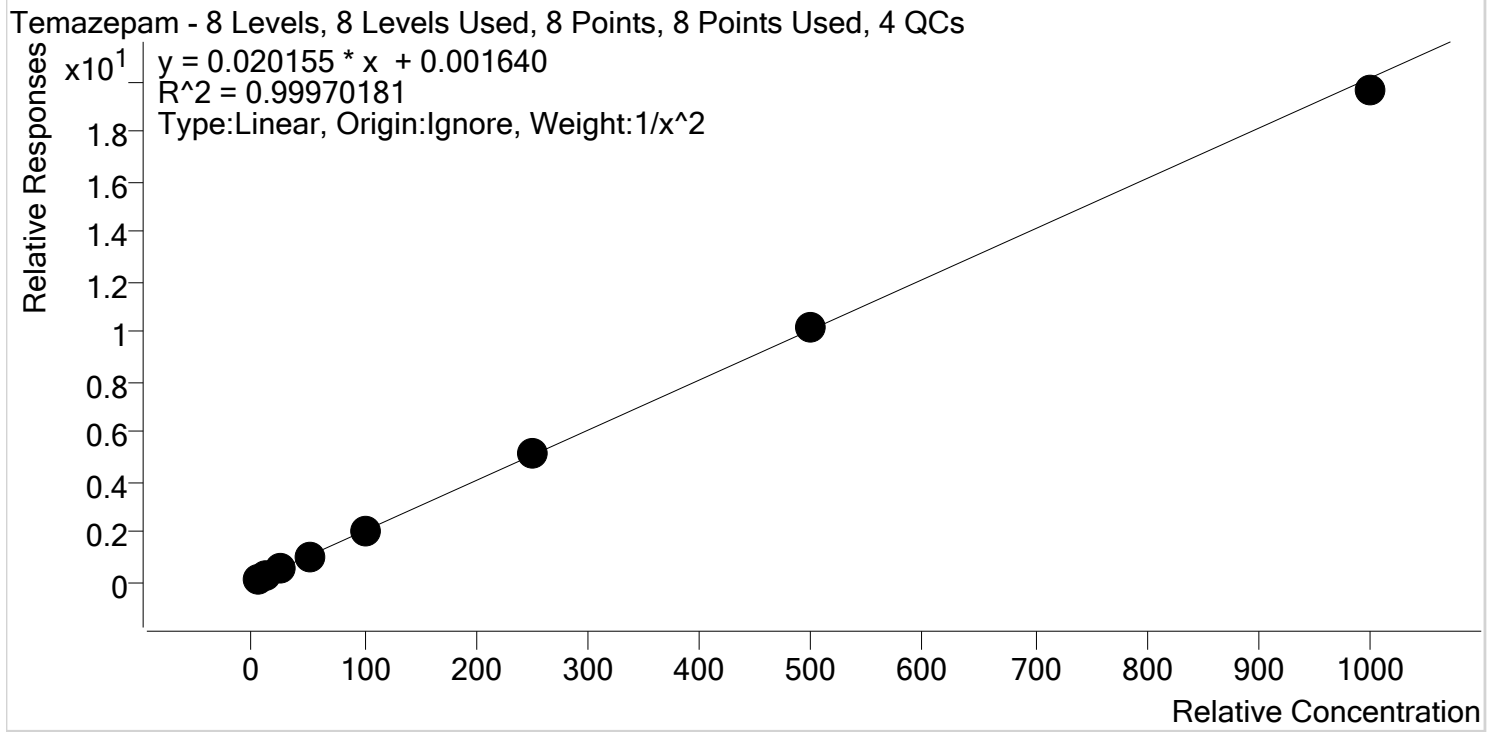
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	98.8
p1 Cal 2- 10ng	2	✓	10.0	10.4	103.8
p1 Cal 3 -25ng	3	✓	25.0	24.0	96.2
p1 Cal 4-50ng	4	✓	50.0	51.2	102.3
p1 Cal 5-100ng	5	✓	100.0	94.8	94.8
p1 Cal 6-250ng	6	✓	250.0	258.8	103.5
p1 Cal 7-500ng	7	✓	500.0	505.8	101.2
p1 Cal 8-1000ng	8	✓	1000.0	994.1	99.4

CS TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 12/21/2020 2:29 PM
Analyst Name ISP\Datastor
Analyte Temazepam **Internal Standard** Temazepam-D5



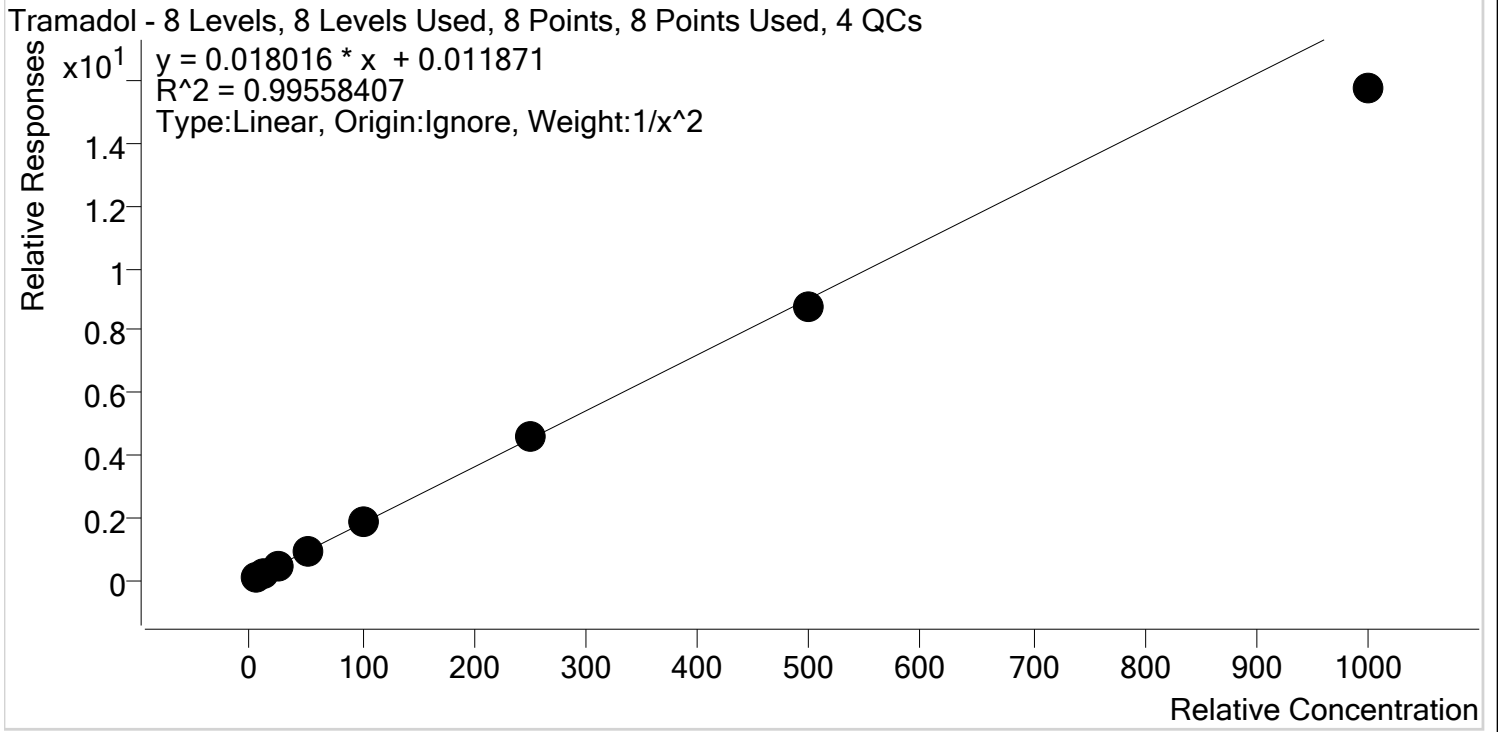
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	100.3
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.3
p1 Cal 3 -25ng	3	✓	25.0	24.8	99.0
p1 Cal 4-50ng	4	✓	50.0	51.1	102.3
p1 Cal 5-100ng	5	✓	100.0	99.5	99.5
p1 Cal 6-250ng	6	✓	250.0	253.6	101.4
p1 Cal 7-500ng	7	✓	500.0	503.1	100.6
p1 Cal 8-1000ng	8	✓	1000.0	975.0	97.5

CS TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 12/21/2020 2:29 PM
Analyst Name ISP\Datastor
Analyte Tramadol **Internal Standard** Tramadol-13C-D3



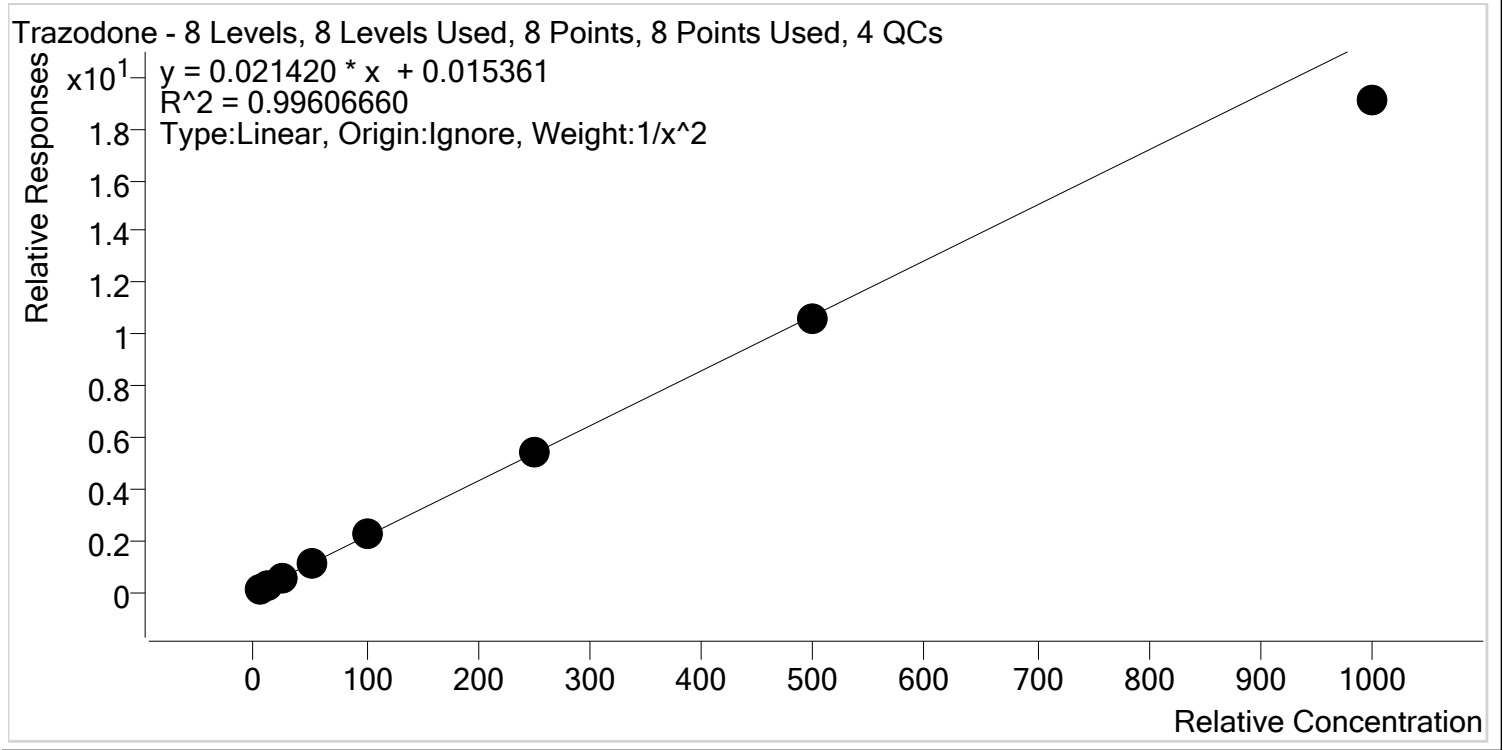
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	4.9	97.5
p1 Cal 2- 10ng	2	✓	10.0	10.2	102.2
p1 Cal 3 -25ng	3	✓	25.0	25.9	103.6
p1 Cal 4-50ng	4	✓	50.0	52.3	104.6
p1 Cal 5-100ng	5	✓	100.0	104.1	104.1
p1 Cal 6-250ng	6	✓	250.0	257.3	102.9
p1 Cal 7-500ng	7	✓	500.0	488.7	97.7
p1 Cal 8-1000ng	8	✓	1000.0	873.8	87.4

CS TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 12/21/2020 2:29 PM
Analyst Name ISP\Datastor
Analyte Trazodone **Internal Standard** Trazodone-D6



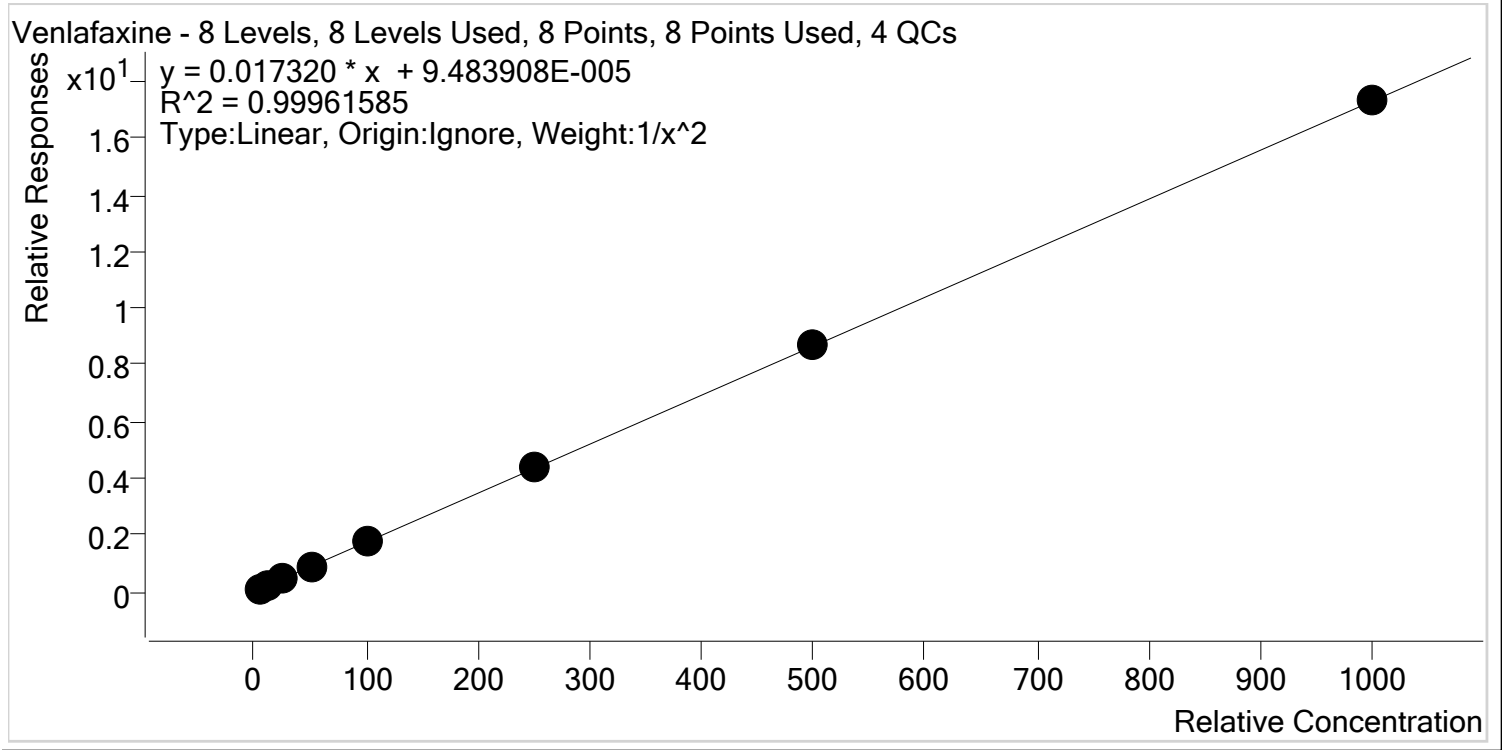
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.4
p1 Cal 2- 10ng	2	✓	10.0	9.9	98.8
p1 Cal 3 -25ng	3	✓	25.0	25.3	101.1
p1 Cal 4-50ng	4	✓	50.0	54.1	108.3
p1 Cal 5-100ng	5	✓	100.0	102.9	102.9
p1 Cal 6-250ng	6	✓	250.0	255.2	102.1
p1 Cal 7-500ng	7	✓	500.0	492.3	98.5
p1 Cal 8-1000ng	8	✓	1000.0	889.6	89.0

CS TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 12/21/2020 2:29 PM
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	5.0	100.9
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.4
p1 Cal 3 -25ng	3	✓	25.0	24.1	96.2
p1 Cal 4-50ng	4	✓	50.0	50.8	101.6
p1 Cal 5-100ng	5	✓	100.0	99.7	99.7
p1 Cal 6-250ng	6	✓	250.0	252.3	100.9
p1 Cal 7-500ng	7	✓	500.0	505.6	101.1
p1 Cal 8-1000ng	8	✓	1000.0	1001.4	100.1

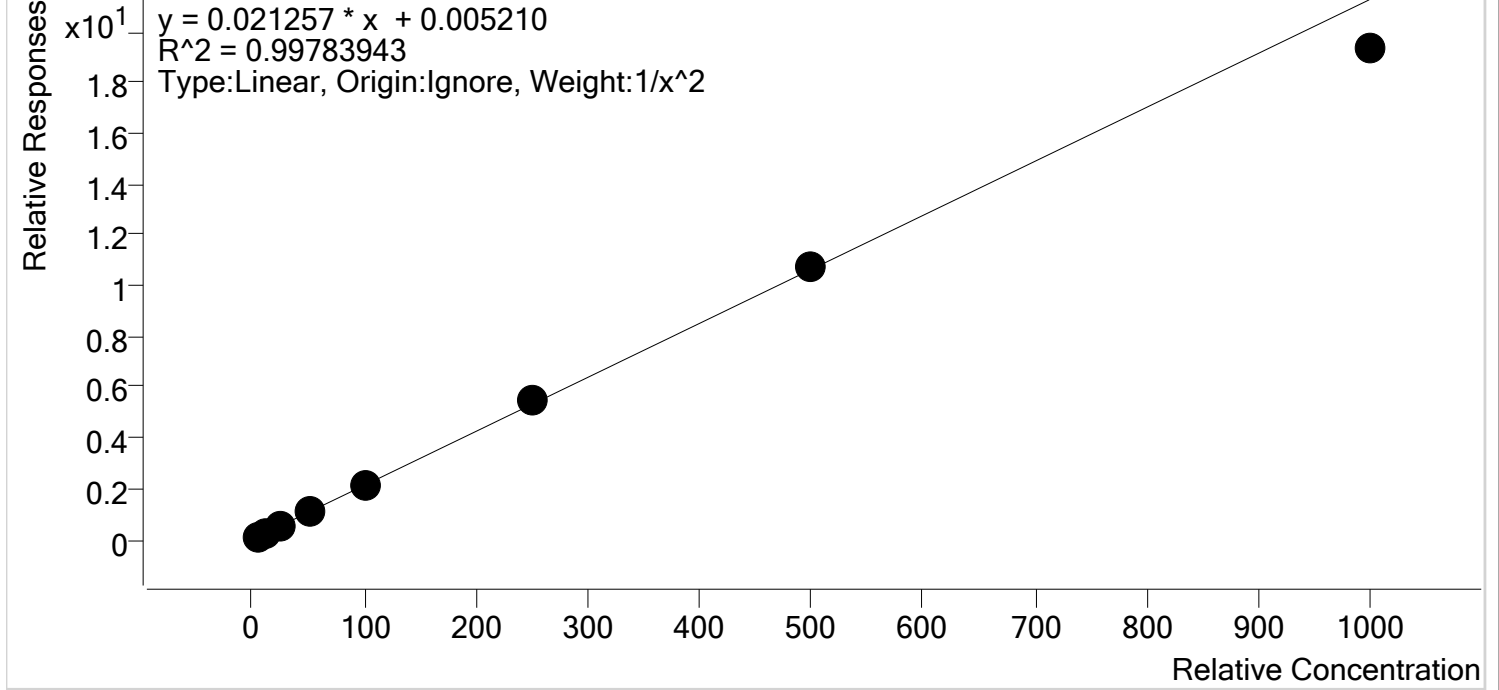
CS TS



AM #28 Multi-Drug Quant. Calibration Curve Report

Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Last Cal. Update 12/21/2020 2:29 PM
Analyst Name ISP\Datastor
Analyte Zolpidem **Internal Standard** Zolpidem-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng	1	✓	5.0	5.0	99.8
p1 Cal 2- 10ng	2	✓	10.0	9.9	99.0
p1 Cal 3 -25ng	3	✓	25.0	25.2	100.9
p1 Cal 4-50ng	4	✓	50.0	52.0	104.1
p1 Cal 5-100ng	5	✓	100.0	102.1	102.1
p1 Cal 6-250ng	6	✓	250.0	257.1	102.8
p1 Cal 7-500ng	7	✓	500.0	502.1	100.4
p1 Cal 8-1000ng	8	✓	1000.0	908.8	90.9

TS CS



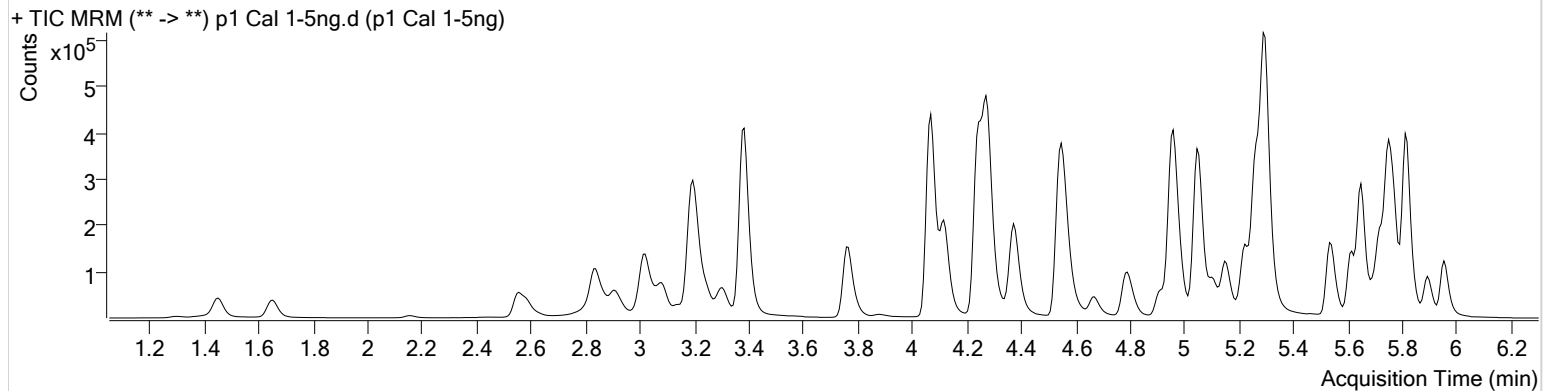
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Calibration Last Update 12/21/2020 2:29:47 PM

Instrument Instrument 1
Type Cal
Acq. Method AM 28 MDQ P1.m
Sample Position P2-H12
Injection Volume 2
Acq. Date-Time 12/16/2020 2:03:29 PM
Sample Info.

Data File p1 Cal 1-5ng.d
Sample p1 Cal 1-5ng
Operator Tamara Salazar
Comment

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.153	1016	∞	86.5	843.78	41655	0.4971 ng/ml
7-aminoclonazepam	4.290	11647	109.83	85.8	621.42	83519	5.1275 ng/ml
a-hydroxyalprazolam	5.702	10724	278.94	60.3	722.17	52473	5.0580 ng/ml
alpha-PHP	4.948	12429	650.29	269.4	2100.06	443945	4.8918 ng/ml
alpha-PVP	4.389	49955	6236.46	52.1	162.49	443945	4.9897 ng/ml
Alprazolam	5.778	34357	573.13	116.3	922.52	220958	5.0828 ng/ml
Amphetamine	3.084	96208	∞	50.0	1595.77	177354	4.7841 ng/ml
Benzoylecgonine	3.905	1327	17.40	9.2	630.17	9442	6.0389 ng/ml
Buprenorphine	5.762	947	20.94	14.6	320.54	55082	0.5001 ng/ml
Bupropion	4.807	35119	341.33	59.3	158.53	230572	4.9810 ng/ml
Carisoprodol	5.727	26513	63935.52	47.5	63.96	256362	5.0271 ng/ml
Citalopram	5.223	33815	1324.64	46.7	712.67	287391	5.0439 ng/ml
Clonazepam	5.615	49414	2669.01	35.0	887.08	105499	4.9024 ng/ml
Cocaine	4.276	47806	20569.62	51.9	62447.75	777287	5.0156 ng/ml
Codeine	2.630	5179	175.72	111.4	8162.23	50878	5.1045 ng/ml
Cyclobenzaprine	5.618	12596	19769.78	9.7	∞	96733	5.0624 ng/ml
Dextromethorphan	5.273	20011	228.60	78.0	37788.54	177379	5.0405 ng/ml
Dextrophan	4.124	14811	611.42	221.3	166.42	385980	4.9353 ng/ml
Diazepam	5.963	22118	336.95	89.9	443.65	216323	4.9626 ng/ml
Dihydrocodeine	2.589	14044	1539.57	57.9	1143.70	140725	4.8583 ng/ml
Diphenhydramine	5.300	86114	∞	32.2	3747.84	1180933	5.0283 ng/ml
Doxylamine	4.561	115816	18765.97	101.5	∞	969296	4.9691 ng/ml
EDDP	5.265	53186	412.20	43.6	1193.30	561905	5.0087 ng/ml
Fentanyl	5.121	1725	43.62	80.7	3513.02	154690	0.5080 ng/ml
Fluoxetine	5.703	5562	393.76	9.8	∞	46332	4.9815 ng/ml
Hydrocodone	3.054	21573	∞	34.3	30.71	236916	4.7535 ng/ml
Hydromorphone	1.659	14594	129.44	72.5	120.60	85054	4.9853 ng/ml
Ketamine	4.085	36853	381.03	40.9	346.44	329495	4.9431 ng/ml
Lamotrigine	4.306	3714	366.11	80.5	6775.20	329495	5.0955 ng/ml
Lorazepam	5.750	42414	∞	53.7	111.56	105499	4.8325 ng/ml
MDA	3.218	71534	3560.88	20.5	186.23	341434	4.7057 ng/ml
MDMA	3.311	41130	165742.89	76.2	1338.31	87467	4.9112 ng/ml
Meprobamate	4.936	15418	74810.60	24.7	596.57	131545	4.7278 ng/ml

TS

CS

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.649	59236	2805.73	41.8	1409.15	506468	5.0617 ng/ml
Methamphetamine	3.252	61064	118.00	43.3	413.84	494814	4.8098 ng/ml
Metoprolol	4.338	8657	5153.30	88.8	719.17	949768	4.9482 ng/ml
Mirtazapine	4.669	67834	1094.12	42.6	3842.12	443945	5.0558 ng/ml
Mitragynine	5.248	9037	10906.82	42.3	1147.61	506468	4.8344 ng/ml
Morphine	1.313	2123	1243.31	20.7	230.96	5966	4.8918 ng/ml
Nordiazepam	5.903	22089	370.17	61.7	390.98	142780	4.9505 ng/ml
Norfentanyl	4.092	8319	∞	32.6	50.52	757294	0.4861 ng/ml
Norhydrocodone	3.081	2340	110.54	41.8	52.31	50367	5.1695 ng/ml
Noroxycodone	2.932	20849	170.82	44.3	963.19	145997	4.9454 ng/ml
O-desmethyl-tramadol	3.383	83535	339.65	6.8	293.29	963873	5.0321 ng/ml
Oxazepam	5.759	48362	∞	74.4	442.29	532174	4.9128 ng/ml
Oxycodone	2.863	43380	1107.36	26.6	535.28	331362	4.9472 ng/ml
Oxymorphone	1.457	17381	533.13	43.0	162.69	117778	4.9552 ng/ml
Phentermine	3.797	17450	84.41	4.3	19.10	408445	4.8416 ng/ml
Promethazine	5.542	27890	8516.02	25.5	90.78	225753	5.0615 ng/ml
Quetiapine	5.545	33682	112.76	60.6	178.32	92751	4.9565 ng/ml
Sertraline	5.772	1759	40.94	91.2	∞	13451	4.9405 ng/ml
Temazepam	5.819	75958	938.25	29.8	168.60	739342	5.0161 ng/ml
Tramadol	4.258	94728	8974.66	3.5	91.56	949768	4.8771 ng/ml
Trazodone	5.208	34979	15920.54	76.4	∞	287034	4.9722 ng/ml
Venlafaxine	5.054	71976	1931.89	43.2	329.78	822889	5.0447 ng/ml
Zolpidem	4.980	105665	7701.33	30.6	117344.60	949537	4.9899 ng/ml

AM #28 Multi-Drug Quant. Results

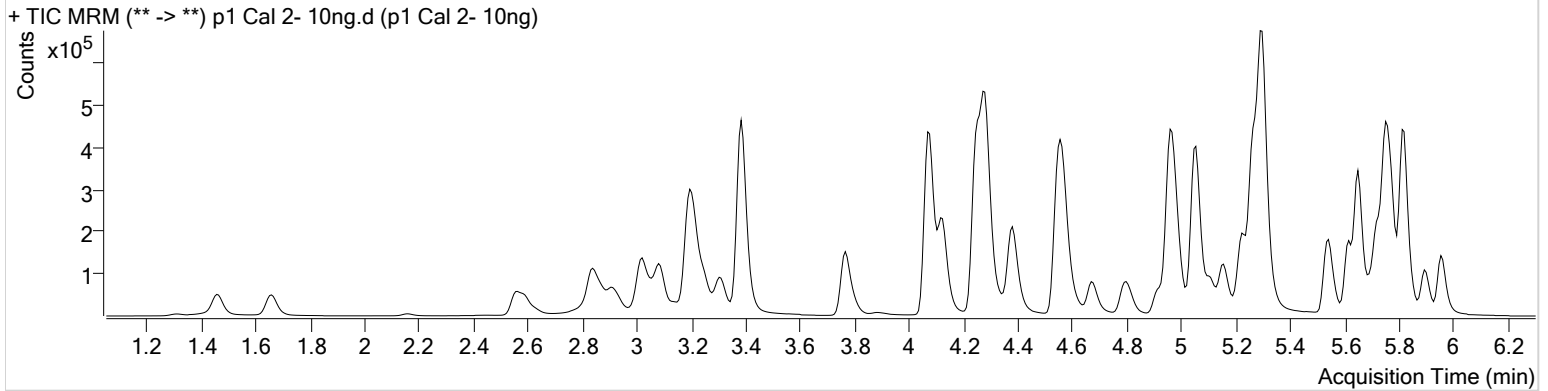


Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Calibration Last Update 12/21/2020 2:29:47 PM

Instrument Instrument 1
Type Cal
Acq. Method AM 28 MDQ P1.m
Sample Position P2-G12
Injection Volume 2
Acq. Date-Time 12/16/2020 2:14:15 PM
Sample Info.

Data File p1 Cal 2- 10ng.d
Sample p1 Cal 2- 10ng
Operator Tamara Salazar
Comment

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.153	2019	∞	80.8	∞	40675	1.0163 ng/ml
7-aminoclonazepam	4.297	21524	909.89	87.8	∞	79235	9.7081 ng/ml
a-hydroxyalprazolam	5.702	20762	807.37	64.3	1173.34	55778	9.6255 ng/ml
alpha-PHP	4.955	23765	784.93	263.8	3053.46	419120	10.1690 ng/ml
alpha-PVP	4.389	90254	681.68	52.6	267.98	419120	9.9756 ng/ml
Alprazolam	5.778	68229	992.54	117.5	400.87	218687	9.8722 ng/ml
Amphetamine	3.091	179317	248.38	51.1	264.34	170235	10.3676 ng/ml
Benzoylcegonine	3.912	2912	549.93	8.8	26.72	10982	10.1213 ng/ml
Buprenorphine	5.762	1888	74.63	15.7	628.54	60909	0.9958 ng/ml
Bupropion	4.814	48670	6264.23	57.8	510.83	167115	10.0041 ng/ml
Carisoprodol	5.727	52022	∞	48.1	424.44	267861	9.8195 ng/ml
Citalopram	5.229	65541	6711.18	48.7	52958.26	286832	9.9216 ng/ml
Clonazepam	5.615	98757	9438.05	33.0	2434.44	108999	10.0919 ng/ml
Cocaine	4.276	98156	460914.99	50.4	13872.40	795360	10.0379 ng/ml
Codeine	2.630	10673	1002.57	109.8	300.63	51205	9.9021 ng/ml
Cyclobenzaprine	5.618	22979	25336.61	9.3	97.71	89042	9.8793 ng/ml
Dextromethorphan	5.273	39071	117.44	79.1	18522.66	181581	9.8794 ng/ml
Dextrophan	4.124	31077	13141.80	210.1	20948.02	385084	10.3316 ng/ml
Diazepam	5.963	45140	4767.14	88.1	764.61	221670	10.0521 ng/ml
Dihydrocodeine	2.589	28689	744.67	59.1	852.89	149897	10.0494 ng/ml
Diphenhydramine	5.300	170788	24092.41	32.7	779.70	1185582	9.9516 ng/ml
Doxylamine	4.568	229638	38343.94	97.2	∞	973225	10.0163 ng/ml
EDDP	5.265	113929	5581.57	43.4	349.75	606923	9.9869 ng/ml
Fentanyl	5.121	3320	221.80	75.3	7770.27	158397	0.9720 ng/ml
Fluoxetine	5.703	9513	9790.88	9.0	360.06	38477	10.1661 ng/ml
Hydrocodone	3.054	43112	342.70	32.6	48.92	238647	10.4675 ng/ml
Hydromorphone	1.665	31476	935.52	71.4	187.99	94646	9.9330 ng/ml
Ketamine	4.085	68262	633.98	40.1	327.61	313413	10.0990 ng/ml
Lamotrigine	4.306	6917	466.49	78.8	8343.26	313413	9.4526 ng/ml
Lorazepam	5.750	81306	156.06	59.3	413.44	108999	10.1674 ng/ml
MDA	3.218	138815	3474.37	20.0	659.68	327993	10.5964 ng/ml
MDMA	3.311	83384	394924.00	72.7	2031.03	87309	10.2177 ng/ml
Meprobamate	4.936	31829	∞	24.3	345.10	135304	10.6261 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.649	119616	426.71	43.1	561.63	530323	9.7724 ng/ml
Methamphetamine	3.252	111780	185.44	42.8	188.62	480515	10.2946 ng/ml
Metoprolol	4.338	17302	18771.58	88.0	1092.69	964746	9.9549 ng/ml
Mirtazapine	4.669	132906	20605.63	43.0	2865.99	419120	9.9605 ng/ml
Mitragynine	5.248	18297	2105.52	39.1	26400.61	530323	10.2196 ng/ml
Morphine	1.320	4745	83.18	20.0	1063.91	6438	10.3559 ng/ml
Nordiazepam	5.903	45181	914.67	62.2	∞	147601	10.0810 ng/ml
Norfentanyl	4.099	16668	3747.94	34.2	190.35	761154	1.0175 ng/ml
Norhydrocodone	3.081	4578	68.21	44.7	76.63	50713	9.6903 ng/ml
Noroxycodone	2.932	43417	676.79	42.9	368.67	147442	10.1823 ng/ml
O-desmethyl-tramadol	3.390	168456	880.42	6.8	11492.34	994263	9.9241 ng/ml
Oxazepam	5.759	95550	2539.48	77.4	∞	541308	10.0365 ng/ml
Oxycodone	2.870	86974	1119.39	27.5	470.70	342311	10.0335 ng/ml
Oxymorphone	1.463	35512	3365.93	42.5	79.31	124488	10.0438 ng/ml
Phentermine	3.803	33580	435.96	3.8	47.84	400878	10.1646 ng/ml
Promethazine	5.542	49241	6838.58	26.6	271.46	209257	9.7938 ng/ml
Quetiapine	5.552	68128	2695.46	59.0	∞	95574	10.0256 ng/ml
Sertraline	5.772	2804	87.69	88.6	7416.13	11068	10.3813 ng/ml
Temazepam	5.819	152611	1189.23	30.1	289.29	756339	9.9300 ng/ml
Tramadol	4.258	189117	∞	3.5	274.48	964746	10.2218 ng/ml
Trazodone	5.208	65947	151795.66	77.8	55608.05	290589	9.8778 ng/ml
Venlafaxine	5.054	141655	761.64	44.0	525.19	822616	9.9370 ng/ml
Zolpidem	4.980	210463	28314.52	31.3	4442.70	975920	9.9001 ng/ml

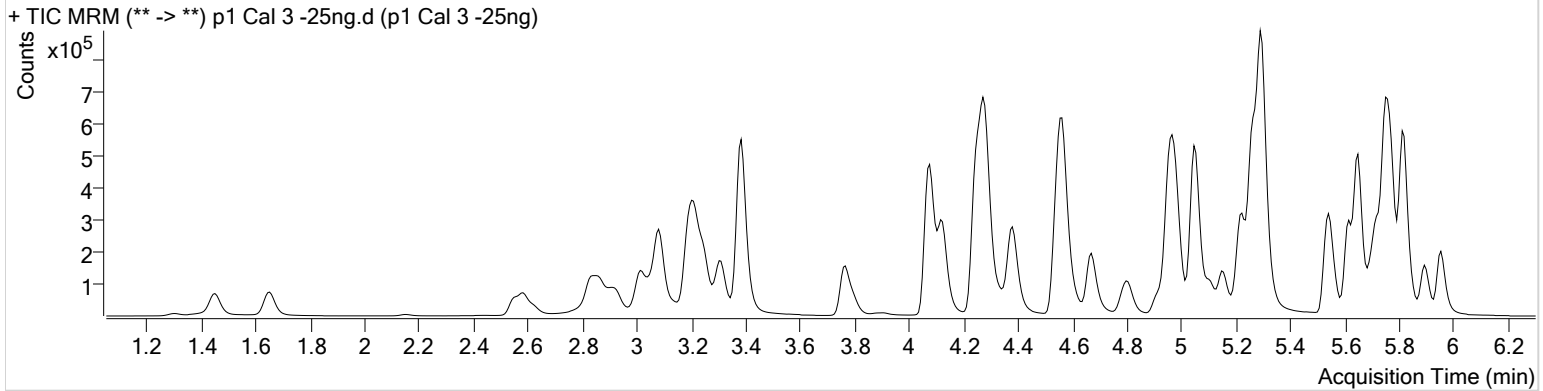
AM #28 Multi-Drug Quant. Results



Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Calibration Last Update 12/21/2020 2:29:47 PM

Instrument	Instrument 1	Data File	p1 Cal 3 -25ng.d
Type	Cal	Sample	p1 Cal 3 -25ng
Acq. Method	AM 28 MDQ P1.m	Operator	Tamara Salazar
Sample Position	P2-F12	Comment	
Injection Volume	2		
Acq. Date-Time	12/16/2020 2:24:51 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.153	5033	10693.04	73.6	10501.95	41859	2.4696 ng/ml
7-aminoclonazepam	4.297	65850	796.09	84.3	∞	95865	24.0967 ng/ml
a-hydroxyalprazolam	5.702	52306	459.97	58.8	232.64	55291	25.2405 ng/ml
alpha-PHP	4.948	59594	6822.34	264.4	12971.84	411799	26.3480 ng/ml
alpha-PVP	4.389	216187	18243.51	52.2	457.16	411799	24.9911 ng/ml
Alprazolam	5.778	168585	964.49	114.0	545.10	221305	23.6371 ng/ml
Amphetamine	3.084	448232	3970.57	50.7	3567.22	175582	26.7557 ng/ml
Benzoylcegonine	3.912	7705	1098.64	7.8	180.11	10619	25.1966 ng/ml
Buprenorphine	5.762	4523	348.97	15.1	∞	63183	2.4527 ng/ml
Bupropion	4.807	110318	21534.12	58.3	379.26	155481	25.1286 ng/ml
Carisoprodol	5.727	124449	5159.57	46.2	199.26	260073	24.8257 ng/ml
Citalopram	5.223	165697	1015.68	47.4	186530.20	300231	24.1531 ng/ml
Clonazepam	5.615	234985	6045.97	33.6	2638.28	106472	25.5182 ng/ml
Cocaine	4.276	226882	17380.57	52.3	40125.11	763206	24.1426 ng/ml
Codeine	2.624	25993	375.60	103.4	579.83	50472	23.6925 ng/ml
Cyclobenzaprine	5.618	76666	∞	8.6	∞	119729	24.2800 ng/ml
Dextromethorphan	5.273	101864	16222.46	77.7	3588.46	193151	24.6395 ng/ml
Dextrophan	4.124	73219	742.32	214.0	33480.62	384548	24.3165 ng/ml
Diazepam	5.956	111721	3158.59	88.1	1282.46	222536	25.0309 ng/ml
Dihydrocodeine	2.582	70284	6084.42	57.3	1239.66	144874	26.6968 ng/ml
Diphenhydramine	5.300	436888	62308.18	32.4	8704.47	1232303	24.5192 ng/ml
Doxylamine	4.561	571284	15632.24	100.2	28903.45	982794	24.9810 ng/ml
EDDP	5.265	273725	747.83	42.9	957.24	589811	24.7709 ng/ml
Fentanyl	5.121	9540	247.16	70.0	∞	182155	2.4574 ng/ml
Fluoxetine	5.703	49442	∞	9.8	∞	83026	24.3632 ng/ml
Hydrocodone	3.047	102575	643.54	34.0	63.84	237083	26.5388 ng/ml
Hydromorphone	1.654	75755	1889.18	71.0	∞	90680	25.3868 ng/ml
Ketamine	4.085	156869	6739.01	40.5	286.04	298297	25.0908 ng/ml
Lamotrigine	4.306	18354	8545.88	77.6	1099.09	298297	25.3747 ng/ml
Lorazepam	5.750	195347	1952.33	55.9	453.70	106472	27.0575 ng/ml
MDA	3.218	337813	82863.16	20.4	1692.12	334021	26.8071 ng/ml
MDMA	3.311	201528	26727.18	73.6	2846.91	85726	25.4954 ng/ml
Meprobamate	4.936	72238	199.61	24.7	92285.08	129818	26.6783 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.649	318075	17579.05	42.4	818.86	562424	24.5208 ng/ml
Methamphetamine	3.252	264704	520.20	42.7	242.70	475983	26.5405 ng/ml
Metoprolol	4.338	43094	452449.45	86.5	982.86	942787	25.7223 ng/ml
Mirtazapine	4.669	336185	17187.89	43.1	25292.59	411799	24.8639 ng/ml
Mitragynine	5.248	47663	4997.88	39.5	25346.33	562424	26.4625 ng/ml
Morphine	1.307	11290	2752.99	20.5	2018.34	6512	24.6397 ng/ml
Norbuprenorphine	4.997	468	56.04	101.9	135.64	8700	2.5122 ng/ml
Nordiazepam	5.903	109847	1025.60	61.6	898.58	145988	25.2069 ng/ml
Norfentanyl	4.099	41516	168.06	32.1	487.14	755496	2.6271 ng/ml
Norhydrocodone	3.081	10886	61.18	43.0	70.23	48746	23.4210 ng/ml
Noroxycodone	2.925	105869	1544.93	42.9	1160.99	146328	24.9973 ng/ml
O-desmethyl-tramadol	3.383	404687	15567.75	6.8	3443.18	973874	24.4719 ng/ml
Oxazepam	5.753	229248	6096.16	73.1	6431.93	520145	25.8441 ng/ml
Oxycodone	2.863	208754	1898.46	27.8	1220.92	334924	25.2810 ng/ml
Oxymorphone	1.450	80787	2953.97	43.8	608.50	115627	25.3231 ng/ml
Phentermine	3.803	84762	159.42	3.6	296.01	405891	26.3835 ng/ml
Promethazine	5.535	161679	2492.09	27.0	937.21	278789	24.3845 ng/ml
Quetiapine	5.545	175397	15164.85	59.7	∞	99970	25.1255 ng/ml
Sertraline	5.772	23869	∞	101.4	4259.68	42555	24.0389 ng/ml
Temazepam	5.819	368917	551.41	29.8	426.17	737083	24.7520 ng/ml
Tramadol	4.258	451033	219446.85	3.6	881.76	942787	25.8953 ng/ml
Trazodone	5.208	176889	122052.63	78.6	342912.79	317614	25.2837 ng/ml
Venlafaxine	5.048	348839	17501.63	43.4	736.13	837092	24.0553 ng/ml
Zolpidem	4.980	530416	13535.20	30.4	6568.49	980027	25.2160 ng/ml

AM #28 Multi-Drug Quant. Results

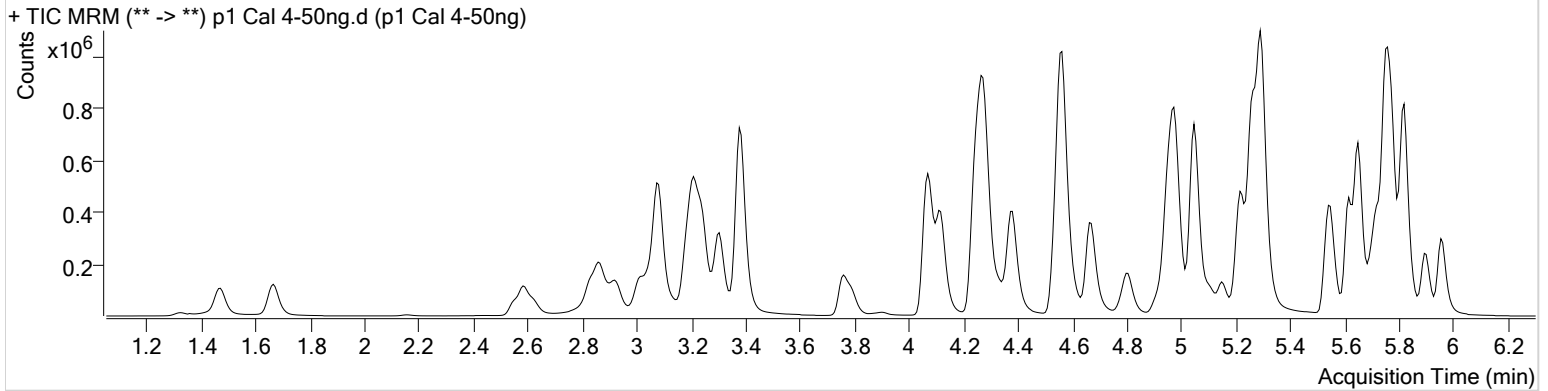


Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Calibration Last Update 12/21/2020 2:29:47 PM

Instrument Instrument 1
Type Cal
Acq. Method AM 28 MDQ P1.m
Sample Position P2-E12
Injection Volume 2
Acq. Date-Time 12/16/2020 2:35:27 PM
Sample Info.

Data File p1 Cal 4-50ng.d
Sample p1 Cal 4-50ng
Operator Tamara Salazar
Comment

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.146	10391	10370.46	73.9	1375.89	42463	5.0309 ng/ml
7-aminoclonazepam	4.290	125547	1696.11	84.0	2959.64	89671	48.8087 ng/ml
a-hydroxyalprazolam	5.702	105753	554.43	61.7	1576.77	55001	51.8205 ng/ml
alpha-PHP	4.948	115648	3185.71	268.9	47203.34	406972	51.9832 ng/ml
alpha-PVP	4.382	436184	25345.67	52.9	589.92	406972	51.5070 ng/ml
Alprazolam	5.778	347293	911.62	115.1	5236.16	212877	50.2513 ng/ml
Amphetamine	3.084	891269	11319.20	50.9	11828.47	171504	55.6516 ng/ml
Benzoylcegonine	3.905	15303	168.36	7.7	248.03	10914	47.3486 ng/ml
Buprenorphine	5.762	7982	∞	14.8	6789.96	54121	5.1764 ng/ml
Bupropion	4.807	208722	681.86	58.7	3059.51	145605	51.3054 ng/ml
Carisoprodol	5.727	258199	1791.31	46.3	322.65	259748	52.0360 ng/ml
Citalopram	5.223	307904	13764.24	47.7	4529.67	264704	51.0542 ng/ml
Clonazepam	5.615	484687	25784.20	32.9	534.17	104769	54.2041 ng/ml
Cocaine	4.269	465228	61415.99	50.4	18684.89	745812	50.6308 ng/ml
Codeine	2.624	53245	877.55	104.8	477.25	50217	48.2210 ng/ml
Cyclobenzaprine	5.618	125565	198523.38	8.9	276.58	95606	49.6352 ng/ml
Dextromethorphan	5.273	179274	14149.21	79.1	451.00	167604	50.2747 ng/ml
Dextrophan	4.117	150668	16489.04	211.4	2747.48	374337	51.3544 ng/ml
Diazepam	5.963	226392	4898.46	87.3	4463.30	217970	51.9670 ng/ml
Dihydrocodeine	2.589	142286	480.73	59.3	6974.66	145629	54.5751 ng/ml
Diphenhydramine	5.300	804209	1310.06	33.0	2041.37	1104435	50.3795 ng/ml
Doxylamine	4.561	1180500	118688.08	99.8	88909.81	980479	51.9663 ng/ml
EDDP	5.265	573753	53402.38	43.0	46720.46	604975	50.6776 ng/ml
Fentanyl	5.121	16827	6615.43	71.6	157.35	154180	5.1418 ng/ml
Fluoxetine	5.703	73560	519.68	10.0	247.43	60035	50.0360 ng/ml
Hydrocodone	3.047	203866	∞	34.5	∞	231916	55.0076 ng/ml
Hydromorphone	1.665	153561	1461.20	72.0	1234.45	89751	52.2955 ng/ml
Ketamine	4.078	316307	6519.77	41.9	490.03	292664	52.0933 ng/ml
Lamotrigine	4.300	37321	3767.81	77.1	39128.63	292664	52.0037 ng/ml
Lorazepam	5.750	387975	1042.83	55.7	1951.11	104769	56.0417 ng/ml
MDA	3.211	681030	24278.68	20.2	5676.65	326618	56.4032 ng/ml
MDMA	3.304	410966	80272.99	74.0	5412.60	87060	51.4320 ng/ml
Meprobamate	4.936	146329	16812.36	24.8	3097.24	130964	54.7064 ng/ml

AM #28 Multi-Drug Quant. Results



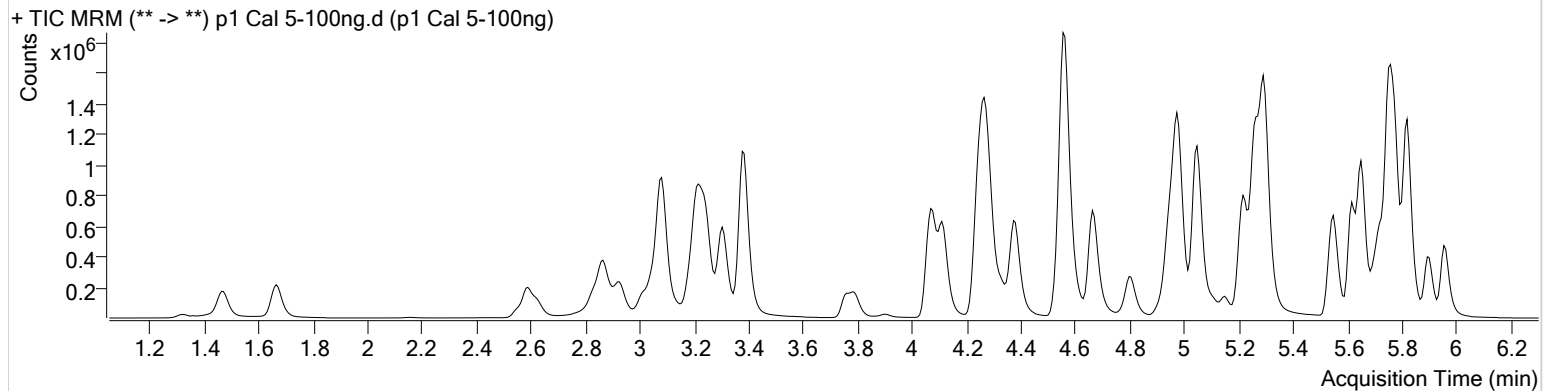
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.649	579797	45615.94	42.4	35769.65	487503	51.5794 ng/ml
Methamphetamine	3.245	532487	1347.03	43.0	726.45	477487	54.6166 ng/ml
Metoprolol	4.332	87143	158759.51	87.5	3140.76	932978	52.7972 ng/ml
Mirtazapine	4.669	635735	73114.61	43.2	61088.32	406972	47.1241 ng/ml
Mitragynine	5.248	84982	3470.19	39.8	64684.71	487503	55.4202 ng/ml
Morphine	1.327	23077	527.50	20.1	∞	6265	52.5858 ng/ml
Norbuprenorphine	4.997	908	199.58	84.3	1139.04	7885	5.2126 ng/ml
Nordiazepam	5.903	223283	1401.46	61.5	3166.16	146480	51.3651 ng/ml
Norfentanyl	4.092	84228	327.33	32.4	432.21	762630	5.3293 ng/ml
Norhydrocodone	3.075	20978	203.78	43.0	67.49	44933	48.5574 ng/ml
Noroxycodone	2.925	212958	1366.29	42.4	778.94	143044	51.4218 ng/ml
O-desmethyl-tramadol	3.383	829688	46629.11	6.7	775.54	964547	50.7543 ng/ml
Oxazepam	5.759	451858	3228.31	75.6	9067.15	504047	53.1089 ng/ml
Oxycodone	2.863	429906	2308.54	27.6	4354.41	334004	52.6958 ng/ml
Oxymorphone	1.470	165989	4294.08	42.4	3935.88	116811	52.0181 ng/ml
Phentermine	3.797	170677	1963.45	3.6	111.76	397586	54.9737 ng/ml
Promethazine	5.535	273058	1303.12	26.9	6200.02	223636	51.5262 ng/ml
Quetiapine	5.552	326581	33995.35	58.4	257.97	89319	52.6944 ng/ml
Sertraline	5.772	31992	352.47	100.5	2743.41	27305	51.1568 ng/ml
Temazepam	5.819	753173	∞	29.7	344.85	729600	51.1379 ng/ml
Tramadol	4.251	889950	99002.43	3.8	1748.97	932978	52.2871 ng/ml
Trazodone	5.208	328364	∞	77.5	∞	279480	54.1346 ng/ml
Venlafaxine	5.048	710488	1254.42	43.7	1451.82	807423	50.8004 ng/ml
Zolpidem	4.980	1058859	6808.95	30.7	38667.30	952896	52.0295 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Calibration Last Update 12/21/2020 2:29:47 PM

Instrument	Instrument 1	Data File	p1 Cal 5-100ng.d
Type	Cal	Sample	p1 Cal 5-100ng
Acq. Method	AM 28 MDQ P1.m	Operator	Tamara Salazar
Sample Position	P2-D12	Comment	
Injection Volume	2		
Acq. Date-Time	12/16/2020 2:46:03 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.146	20634	∞	73.3	449.31	43064	9.8562 ng/ml
7-aminoclonazepam	4.290	292437	5939.75	87.6	∞	106671	95.2882 ng/ml
a-hydroxyalprazolam	5.702	213228	4119.61	59.5	1056.55	56026	103.0669 ng/ml
alpha-PHP	4.948	215937	13549.28	266.1	8947.53	397382	99.6370 ng/ml
alpha-PVP	4.382	830636	23067.43	51.9	18461.13	397382	100.8970 ng/ml
Alprazolam	5.778	687560	2437.61	113.5	834.41	213845	98.7207 ng/ml
Amphetamine	3.084	1628550	19589.00	51.3	25820.94	168881	104.2465 ng/ml
Benzoylecgonine	3.898	32369	3624.92	7.7	1224.40	11210	95.9824 ng/ml
Buprenorphine	5.762	14919	534.59	13.2	401.41	50631	10.4586 ng/ml
Bupropion	4.807	386127	23909.65	57.7	3948.56	137465	101.0386 ng/ml
Carisoprodol	5.727	489972	90864.62	47.4	4001.75	252031	102.1825 ng/ml
Citalopram	5.223	584976	593.84	46.9	722990.98	258263	99.5419 ng/ml
Clonazepam	5.615	951784	90226.03	33.6	127271.48	106169	105.6488 ng/ml
Cocaine	4.269	921466	78775.99	50.9	38724.79	735555	101.6552 ng/ml
Codeine	2.624	105964	898.62	106.1	7127.63	50796	94.3652 ng/ml
Cyclobenzaprine	5.618	191167	∞	8.6	339.45	72464	99.5430 ng/ml
Dextromethorphan	5.273	321665	629.53	78.3	15191.31	151386	100.1593 ng/ml
Dextrophan	4.117	289464	77184.63	212.7	20846.08	375258	98.3802 ng/ml
Diazepam	5.963	430916	25163.71	88.5	11998.66	212181	101.7753 ng/ml
Dihydrocodeine	2.589	290020	689.09	57.9	306.41	151015	108.0420 ng/ml
Diphenhydramine	5.300	1538015	1241.74	33.1	953.68	1069399	99.5235 ng/ml
Doxylamine	4.561	2378729	435531.31	100.0	∞	998100	103.0689 ng/ml
EDDP	5.265	1093205	35412.82	43.7	675.82	592246	98.6859 ng/ml
Fentanyl	5.114	28015	1850.26	73.9	36421.12	136978	9.6523 ng/ml
Fluoxetine	5.703	76308	43758.97	9.3	∞	31091	100.1383 ng/ml
Hydrocodone	3.047	417576	∞	34.2	∞	237655	111.0029 ng/ml
Hydromorphone	1.665	302591	2795.65	74.1	1627.53	95641	96.9459 ng/ml
Ketamine	4.078	614220	2894.14	41.3	873.95	286233	103.9224 ng/ml
Lamotrigine	4.300	73213	9735.47	79.7	∞	286233	103.7562 ng/ml
Lorazepam	5.750	701433	1427.51	56.8	2662.77	106169	101.0850 ng/ml
MDA	3.218	1269800	33186.92	20.0	∞	321979	107.6339 ng/ml
MDMA	3.304	801072	97691.22	74.2	30461.11	87672	99.7748 ng/ml
Meprobamate	4.929	282719	37482.18	24.5	6162.59	131783	106.0792 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.649	1079223	1427.68	42.2	10321.68	469520	99.6973 ng/ml
Methamphetamine	3.245	996930	1116.02	42.9	∞	464092	106.4907 ng/ml
Metoprolol	4.332	173279	∞	87.2	∞	952124	103.0881 ng/ml
Mirtazapine	4.663	1238303	157927.39	42.4	53106.24	397382	93.5126 ng/ml
Mitragynine	5.248	152252	6770.97	40.4	393469.75	469520	103.8969 ng/ml
Morphine	1.327	47240	3429.21	19.3	∞	6433	105.0482 ng/ml
Norbuprenorphine	4.997	1441	94.21	105.6	5588.27	7214	8.9359 ng/ml
Nordiazepam	5.903	437354	∞	62.0	778.79	143479	103.0072 ng/ml
Norfentanyl	4.085	166173	6930.10	33.2	2580.79	755830	10.6571 ng/ml
Norhydrocodone	3.075	38146	220.67	43.5	613.64	42598	92.7914 ng/ml
Noroxycodone	2.925	421370	2265.68	43.2	1533.78	147742	98.4975 ng/ml
O-desmethyl-tramadol	3.383	1680870	78556.56	6.8	12558.19	993105	99.9542 ng/ml
Oxazepam	5.753	860932	∞	72.7	22700.48	481641	106.4174 ng/ml
Oxycodone	2.863	881485	18064.99	27.5	10550.37	351257	103.1773 ng/ml
Oxymorphone	1.470	325481	∞	43.2	4905.35	119138	100.4685 ng/ml
Phentermine	3.797	322936	2044.53	3.6	339.25	387325	107.4293 ng/ml
Promethazine	5.535	399019	621.09	26.7	8456.64	168939	99.8315 ng/ml
Quetiapine	5.546	652679	53894.96	59.3	361.90	91599	102.9816 ng/ml
Sertraline	5.772	20103	249.29	101.9	194.58	9328	94.8260 ng/ml
Temazepam	5.819	1511314	762.85	29.6	769.54	752804	99.5271 ng/ml
Tramadol	4.251	1796196	70643.55	3.6	∞	952124	104.0537 ng/ml
Trazodone	5.208	613177	∞	77.6	166257.11	276397	102.8540 ng/ml
Venlafaxine	5.048	1407044	2872.10	43.9	997.02	814606	99.7227 ng/ml
Zolpidem	4.980	2106014	13183.17	30.6	59253.66	967614	102.1448 ng/ml

AM #28 Multi-Drug Quant. Results

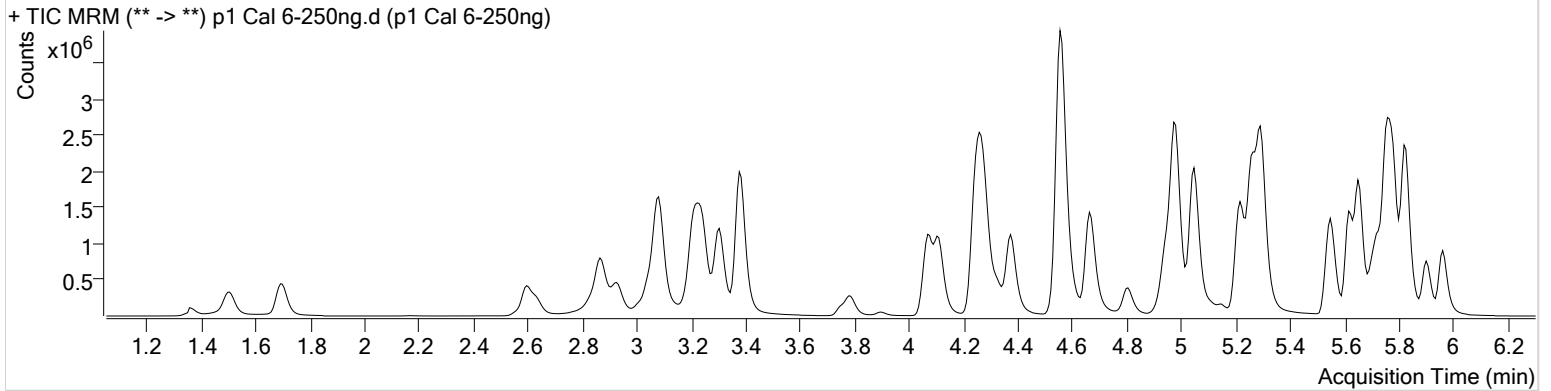


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Calibration Last Update 12/21/2020 2:29:47 PM

Instrument Instrument 1
Type Cal
Acq. Method AM 28 MDQ P1.m
Sample Position P2-C12
Injection Volume 2
Acq. Date-Time 12/16/2020 2:56:40 PM
Sample Info.

Data File p1 Cal 6-250ng.d
Sample p1 Cal 6-250ng
Operator Tamara Salazar
Comment

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.146	50451	977.81	72.1	68852.88	41217	25.1863 ng/ml
7-aminoclonazepam	4.283	644681	5026.21	84.8	6813.97	87675	255.0800 ng/ml
a-hydroxyalprazolam	5.702	449319	2720.40	60.6	1227.42	47638	256.1719 ng/ml
alpha-PHP	4.948	412134	52203.62	266.0	∞	318494	237.6196 ng/ml
alpha-PVP	4.375	1661971	17517.76	52.1	100658.47	318494	252.5816 ng/ml
Alprazolam	5.778	1462103	2817.10	114.1	∞	173153	258.7383 ng/ml
Amphetamine	3.084	3048997	53991.49	51.1	19165.39	139190	238.2592 ng/ml
Benzoylcegonine	3.898	80360	239.61	7.8	14023.61	11219	235.9621 ng/ml
Buprenorphine	5.768	27580	1238.33	14.3	12212.10	38663	25.4859 ng/ml
Bupropion	4.807	571858	32663.86	58.2	5039.64	84279	244.8176 ng/ml
Carisoprodol	5.727	1061046	597532.73	45.8	∞	221601	252.2961 ng/ml
Citalopram	5.223	1190991	15906.11	47.2	657.41	209695	249.8047 ng/ml
Clonazepam	5.615	1994221	71929.87	33.3	37987.60	91210	258.6016 ng/ml
Cocaine	4.263	1924386	141886.77	52.4	147729.24	637624	244.8654 ng/ml
Codeine	2.630	246062	12756.39	104.0	14052.96	44119	251.4095 ng/ml
Cyclobenzaprine	5.618	471971	16563.16	8.5	∞	70921	250.8695 ng/ml
Dextromethorphan	5.266	639919	15426.67	78.6	663.98	119860	252.1082 ng/ml
Dextrophan	4.111	627928	65455.19	213.5	1640.03	321067	249.3685 ng/ml
Diazepam	5.963	954416	∞	88.7	1218.41	188938	253.4011 ng/ml
Dihydrocodeine	2.596	661963	456.30	58.8	15395.51	144969	257.9861 ng/ml
Diphenhydramine	5.300	3174385	1662.74	32.6	1756.35	877262	250.4290 ng/ml
Doxylamine	4.554	5397859	122518.30	99.9	112185.54	914188	255.6625 ng/ml
EDDP	5.265	2242842	4686.67	43.5	433.24	479142	250.3426 ng/ml
Fentanyl	5.121	65130	12550.69	72.3	161651.23	121982	25.2300 ng/ml
Fluoxetine	5.703	258879	19902.52	9.8	26874.96	41615	253.6725 ng/ml
Hydrocodone	3.047	873703	∞	35.7	∞	223058	248.7488 ng/ml
Hydromorphone	1.699	705958	∞	74.9	∞	84827	255.4839 ng/ml
Ketamine	4.071	1301537	18682.04	40.9	1516.22	250533	252.3013 ng/ml
Lamotrigine	4.293	151656	3171.30	79.0	5323.60	250533	244.8035 ng/ml
Lorazepam	5.750	1188291	5487.42	57.4	1918.66	91210	200.6972 ng/ml
MDA	3.211	2390682	97493.26	20.2	19934.31	266919	245.8052 ng/ml
MDMA	3.304	1744234	293754.00	73.5	53637.12	73695	258.8256 ng/ml
Meprobamate	4.929	571744	62407.59	24.5	11026.91	118942	239.0847 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.656	2260423	46673.82	42.1	26266.40	394480	248.5551 ng/ml
Methamphetamine	3.245	1974459	1910.33	43.2	2140.54	395992	249.0130 ng/ml
Metoprolol	4.325	370880	44308.57	87.5	8380.43	819919	256.5584 ng/ml
Mirtazapine	4.663	2578334	16584.51	43.0	50911.38	318494	242.1441 ng/ml
Mitragynine	5.241	294039	2900.68	40.0	∞	394480	240.0345 ng/ml
Morphine	1.359	103241	25202.66	19.6	7456.97	5993	246.6989 ng/ml
Norbuprenorphine	4.997	3174	7007.31	90.8	703.40	5603	25.0852 ng/ml
Nordiazepam	5.903	923658	∞	62.1	17946.68	121460	257.4179 ng/ml
Norfentanyl	4.085	361379	3359.82	33.5	631.88	694230	25.2995 ng/ml
Norhydrocodone	3.075	71615	322.32	42.9	238.02	30172	245.3351 ng/ml
Noroxycodone	2.925	889207	3180.70	42.9	1058.43	123874	247.8847 ng/ml
O-desmethyl-tramadol	3.377	3947256	709884.01	6.8	941.03	928809	251.1124 ng/ml
Oxazepam	5.759	1593471	22334.67	74.9	18556.77	373628	254.6316 ng/ml
Oxycodone	2.863	2048211	∞	27.5	2495.46	331823	254.4532 ng/ml
Oxymorphone	1.504	715382	∞	42.4	8963.40	102578	257.2463 ng/ml
Phentermine	3.790	632093	8022.24	3.7	939.80	327081	249.9253 ng/ml
Promethazine	5.535	958716	536954.70	27.6	977.21	163203	248.5439 ng/ml
Quetiapine	5.552	1396981	81651.16	58.7	56112.42	79859	253.2707 ng/ml
Sertraline	5.772	100407	5551.13	103.4	5671.33	17170	258.7887 ng/ml
Temazepam	5.826	3358970	64689.07	29.1	27547.53	656949	253.6057 ng/ml
Tramadol	4.245	3809862	∞	3.8	6359.13	819919	257.2563 ng/ml
Trazodone	5.208	1359682	∞	78.3	95485.23	247996	255.2467 ng/ml
Venlafaxine	5.048	3095974	2121.74	43.2	40203.29	708426	252.3199 ng/ml
Zolpidem	4.980	4807956	658305.34	30.4	24175.13	879026	257.0650 ng/ml

AM #28 Multi-Drug Quant. Results

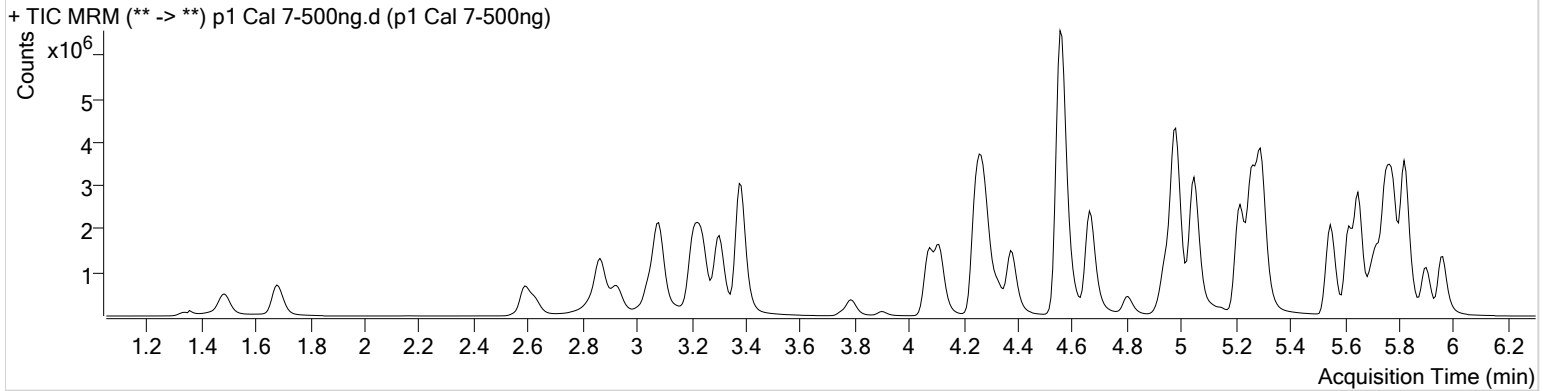


Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Calibration Last Update 12/21/2020 2:29:47 PM

Instrument Instrument 1
Type Cal
Acq. Method AM 28 MDQ P1.m
Sample Position P2-B12
Injection Volume 2
Acq. Date-Time 12/16/2020 3:07:18 PM
Sample Info.

Data File p1 Cal 7-500ng.d
Sample p1 Cal 7-500ng
Operator Tamara Salazar
Comment

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.146	94745	4418.36	71.5	6174.63	38923	50.0912 ng/ml
7-aminoclonazepam	4.283	1078289	10131.77	82.8	7222.07	71763	520.9356 ng/ml
a-hydroxyalprazolam	5.702	751094	4084.97	61.9	∞	41667	490.0386 ng/ml
alpha-PHP	4.949	593958	27526.36	265.6	7381.08	228025	478.5774 ng/ml
alpha-PVP	4.375	2307730	∞	52.4	66768.88	228025	490.3098 ng/ml
Alprazolam	5.778	2389858	∞	112.9	∞	144861	505.2062 ng/ml
Amphetamine	3.084	3996525	428277.07	51.8	22968.36	105254	413.8342 ng/ml
Benzoylcegonine	3.898	164391	17916.71	8.0	3278.73	10478	515.1140 ng/ml
Buprenorphine	5.762	42144	1747.47	14.2	∞	30577	49.3519 ng/ml
Bupropion	4.807	654120	229144.61	57.8	487.30	47844	493.8244 ng/ml
Carisoprodol	5.727	1655126	∞	46.6	8986.89	177732	491.1058 ng/ml
Citalopram	5.223	1816093	∞	47.3	28240.08	160990	496.2898 ng/ml
Clonazepam	5.615	3132813	287613.87	33.4	30246.62	77583	478.1576 ng/ml
Cocaine	4.269	3216262	65112.11	50.3	99558.74	514541	507.1166 ng/ml
Codeine	2.630	423146	21485.62	103.7	11056.79	37471	508.5027 ng/ml
Cyclobenzaprine	5.618	585421	1444.51	8.6	∞	43883	502.7383 ng/ml
Dextromethorphan	5.266	948269	38568.19	77.5	1243.46	89789	498.9955 ng/ml
Dextrophan	4.111	1036918	34857.60	214.2	5438.51	265628	497.6909 ng/ml
Diazepam	5.963	1619086	5478.26	88.0	∞	166602	487.6609 ng/ml
Dihydrocodeine	2.589	1159563	78529.20	59.7	414.69	138872	472.4162 ng/ml
Diphenhydramine	5.300	5069780	173173.06	32.8	22601.31	703075	499.0658 ng/ml
Doxylamine	4.554	9428434	70538.84	98.3	150229.26	811662	503.1754 ng/ml
EDDP	5.265	3935415	765815.29	43.1	54492.99	421848	498.9794 ng/ml
Fentanyl	5.121	103282	3990.16	71.9	28735.06	95763	50.9830 ng/ml
Fluoxetine	5.703	247773	31975.15	9.6	37038.40	19907	507.4482 ng/ml
Hydrocodone	3.047	1481330	∞	35.0	1003.28	208606	451.8168 ng/ml
Hydromorphone	1.679	1211106	∞	74.2	∞	75904	490.0801 ng/ml
Ketamine	4.078	1918371	63770.05	41.2	1511.71	192846	483.5727 ng/ml
Lamotrigine	4.300	238166	39095.63	78.1	22585.19	192846	498.8805 ng/ml
Lorazepam	5.750	1402516	4172.83	56.0	42434.08	77583	279.0306 ng/ml
MDA	3.211	3594632	19456.45	19.6	27943.37	214554	460.7287 ng/ml
MDMA	3.304	2788634	18453.57	74.6	∞	62551	487.7293 ng/ml
Meprobamate	4.929	864729	143028.82	23.8	58120.19	105952	406.7229 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.649	3644876	154041.10	42.4	35668.85	319524	494.8196 ng/ml
Methamphetamine	3.245	2627177	8298.82	42.7	801.01	284396	462.5293 ng/ml
Metoprolol	4.332	600620	191599.72	88.2	21713.10	707944	481.3968 ng/ml
Mirtazapine	4.663	4396419	18069.82	42.3	43064.39	228025	576.0195 ng/ml
Mitragynine	5.241	418589	32606.48	39.5	10674.05	319524	422.5774 ng/ml
Morphine	1.340	185382	8840.16	20.2	5260.60	5606	473.7298 ng/ml
Norbuprenorphine	4.997	4584	317.79	99.5	160.56	4263	47.5009 ng/ml
Nordiazepam	5.903	1494275	∞	62.8	1127.78	104906	482.4152 ng/ml
Norfentanyl	4.085	611246	3956.37	33.6	323.50	622826	47.7415 ng/ml
Norhydrocodone	3.075	117647	474.65	42.4	140.07	23493	517.1946 ng/ml
Noroxycodone	2.925	1392873	947.67	42.5	19970.58	96779	496.9900 ng/ml
O-desmethyl-tramadol	3.383	6884012	3101.52	6.9	45116.21	811687	501.2221 ng/ml
Oxazepam	5.753	2111663	32913.06	75.8	∞	257868	489.3988 ng/ml
Oxycodone	2.863	3654168	4415.86	27.6	10028.96	311420	484.1199 ng/ml
Oxymorphone	1.483	1226513	∞	42.6	7473.30	95293	475.1845 ng/ml
Phentermine	3.790	938592	9369.40	3.4	1490.15	253985	478.5570 ng/ml
Promethazine	5.535	1244494	26682.13	27.4	15269.85	104531	503.8963 ng/ml
Quetiapine	5.552	2387285	∞	61.2	692.26	72864	474.6280 ng/ml
Sertraline	5.772	64108	1060.72	99.8	∞	5618	505.7763 ng/ml
Temazepam	5.819	5653730	142324.12	28.7	43048.59	557435	503.1462 ng/ml
Tramadol	4.245	6241997	∞	3.7	11107.81	707944	488.7403 ng/ml
Trazodone	5.208	2394849	146160.37	78.4	95429.80	226777	492.3029 ng/ml
Venlafaxine	5.048	5301514	1207.42	43.3	38816.58	605367	505.6317 ng/ml
Zolpidem	4.980	8517192	10518.68	30.2	∞	797570	502.1272 ng/ml

AM #28 Multi-Drug Quant. Results

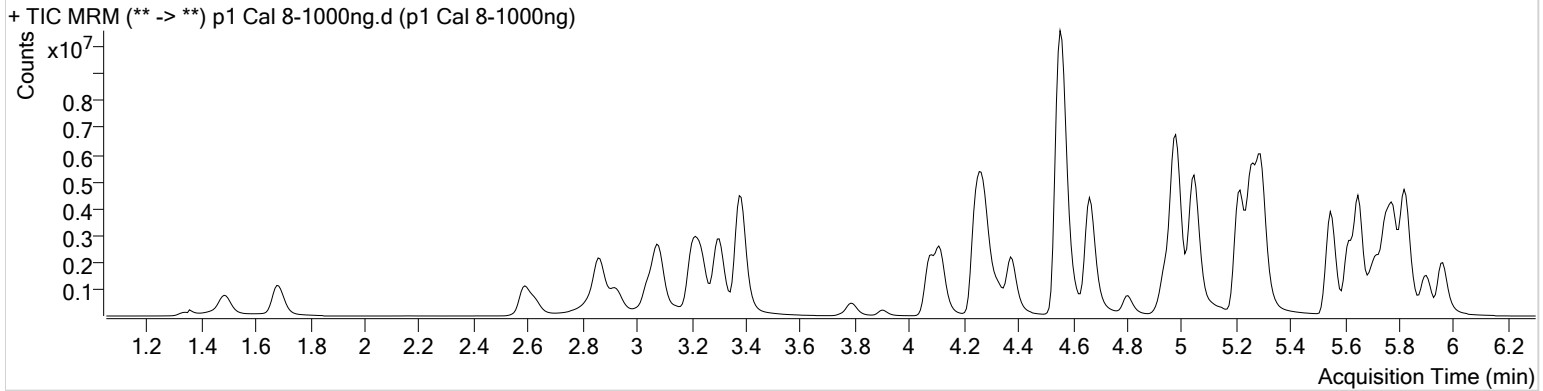


Batch results D:\MassHunter\Data\2020\AM 27-28\121620 AM 27_reinjects_28 TS\QuantResults\AM 28.batch.bin
Calibration Last Update 12/21/2020 2:29:47 PM

Instrument Instrument 1
Type Cal
Acq. Method AM 28 MDQ P1.m
Sample Position P2-A12
Injection Volume 2
Acq. Date-Time 12/16/2020 3:17:54 PM
Sample Info.

Data File p1 Cal 8-1000ng.d
Sample p1 Cal 8-1000ng
Operator Tamara Salazar
Comment

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.146	186540	2531.28	70.8	2098.05	38367	100.0586 ng/ml
7-aminoclonazepam	4.290	1470022	47609.45	84.7	19862.82	48590	1048.5842 ng/ml
a-hydroxyalprazolam	5.695	1091522	253.38	61.3	404.77	31437	944.3755 ng/ml
alpha-PHP	4.948	915136	133991.37	268.8	50203.23	166991	1007.1472 ng/ml
alpha-PVP	4.375	3358405	121565.41	52.8	33913.87	166991	974.7962 ng/ml
Alprazolam	5.778	3620335	∞	113.0	∞	109393	1013.1347 ng/ml
Amphetamine	3.084	4976649	32685.00	51.0	96015.29	75548	718.7989 ng/ml
Benzoylcegonine	3.898	364739	94631.82	7.9	56647.93	10879	1099.1366 ng/ml
Buprenorphine	5.762	59056	∞	13.7	34989.18	22633	93.5354 ng/ml
Bupropion	4.807	1085566	37293.98	58.5	3706.91	39435	994.8298 ng/ml
Carisoprodol	5.727	2257316	78442.34	46.1	97625.96	123328	965.6634 ng/ml
Citalopram	5.223	2739436	88200.25	46.7	28807.45	117638	1024.6336 ng/ml
Clonazepam	5.615	4317210	69162.25	33.6	97668.77	59597	858.3048 ng/ml
Cocaine	4.269	5008089	286484.42	52.3	52254.64	404461	1004.5251 ng/ml
Codeine	2.624	715862	6825.62	97.4	24423.39	29012	1110.4814 ng/ml
Cyclobenzaprine	5.618	1045769	866.79	8.5	808.94	38207	1031.3100 ng/ml
Dextromethorphan	5.266	1341388	46103.63	77.0	29324.04	63091	1004.8537 ng/ml
Dextrophan	4.117	1798651	2242.33	216.3	3210.96	228538	1003.3648 ng/ml
Diazepam	5.963	2657180	11499.19	87.2	∞	139642	955.0096 ng/ml
Dihydrocodeine	2.589	1966302	35060.86	59.4	∞	137981	806.8274 ng/ml
Diphenhydramine	5.300	8320345	252880.44	33.2	27945.83	566937	1015.7465 ng/ml
Doxylamine	4.554	16609154	248814.21	98.8	194029.64	793992	906.2893 ng/ml
EDDP	5.258	7427718	425670.47	43.0	95133.97	393765	1008.9981 ng/ml
Fentanyl	5.114	190520	∞	73.4	11356.02	89480	100.6690 ng/ml
Fluoxetine	5.703	468714	57175.31	9.6	50951.79	19481	980.8750 ng/ml
Hydrocodone	3.040	2539864	∞	35.5	∞	194397	832.1884 ng/ml
Hydromorphone	1.686	2105061	∞	69.9	1185.31	66219	976.6920 ng/ml
Ketamine	4.078	2768280	104888.90	41.2	4965.43	143170	940.4074 ng/ml
Lamotrigine	4.300	342573	1809.45	76.7	65739.37	143170	966.0467 ng/ml
Lorazepam	5.743	1480506	∞	57.2	3148.57	59597	383.9624 ng/ml
MDA	3.211	5447253	223.38	20.0	235.64	183343	817.8622 ng/ml
MDMA	3.304	4674639	348782.82	74.1	13286.87	54475	939.0200 ng/ml
Meprobamate	4.929	1143702	39843.10	24.7	21249.33	92515	616.6505 ng/ml

AM #28 Multi-Drug Quant. Results



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.649	6165504	73228.38	42.1	2086.61	262935	1017.1696 ng/ml
Methamphetamine	3.239	3031999	∞	42.1	6847.29	175017	868.6188 ng/ml
Metoprolol	4.332	998675	140498.53	87.7	11897.80	622760	910.1270 ng/ml
Mirtazapine	4.663	8193119	7809.80	43.0	817192.71	166991	1465.0441 ng/ml
Mitragynine	5.241	565065	65806.85	39.9	9622.18	262935	693.8196 ng/ml
Morphine	1.347	333643	27060.56	20.6	∞	4960	964.0091 ng/ml
Norbuprenorphine	4.997	6880	1420.20	91.7	9294.28	2744	110.5608 ng/ml
Nordiazepam	5.903	2239400	26605.65	62.4	41178.71	80569	941.6345 ng/ml
Norfentanyl	4.085	1057533	7553.50	33.2	3934.93	597645	86.1182 ng/ml
Norhydrocodone	3.075	212928	176.95	43.7	68.59	19191	1145.4275 ng/ml
Noroxycodone	2.925	2100785	∞	43.0	2424.56	72990	993.8712 ng/ml
O-desmethyl-tramadol	3.377	11619856	147000.02	6.9	36379.72	686246	1000.7769 ng/ml
Oxazepam	5.753	2065661	∞	81.5	12193.30	144225	856.3551 ng/ml
Oxycodone	2.857	6610975	∞	27.4	16916.61	295252	924.2296 ng/ml
Oxymorphone	1.483	2061632	4877.67	42.6	7530.77	78731	967.2608 ng/ml
Phentermine	3.790	1250321	125694.46	3.6	8995.60	195365	829.2901 ng/ml
Promethazine	5.535	2185354	3233.64	27.8	18021.00	92312	1002.1425 ng/ml
Quetiapine	5.552	4698732	134766.21	61.4	294309.73	71294	955.0723 ng/ml
Sertraline	5.765	131075	7069.39	99.0	41728.72	5849	994.1024 ng/ml
Temazepam	5.819	8355872	35843.19	28.6	22526.02	425201	974.9561 ng/ml
Tramadol	4.245	9811228	150934.15	3.8	25127.35	622760	873.8036 ng/ml
Trazodone	5.208	5133448	∞	79.7	∞	269179	889.6182 ng/ml
Venlafaxine	5.048	9546207	346129.45	43.7	2986.62	550416	1001.3721 ng/ml
Zolpidem	4.980	14359578	224740.60	31.4	213799.31	743100	908.8150 ng/ml