

Bylee

Worklist: 3772

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>	
C2019-1900	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2019-1900	2	BLOOD	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2019-1900	3	BLOOD	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2019-1939	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2019-1958	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2019-1967	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2019-1969	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2019-1970	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2019-1973	1	AVK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2019-1976	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2019-1979	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2019-1980	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2019-1989	6	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

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

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Extraction Date 10-22-19 Analyst: Britany Wylie
Plate lot#: 190729 (part IDP-111) Plate Expiration: 1/29/20

Mobile phase A: 5mM Amm Form + 0.01% FA **Mobile phase B:** 0.01% Formic Acid in MeOH
0.5M Ammonium Hydroxide Ethyl Acetate 20% Methanol in Water

Blank Blood Lot: 19H52275-3 **Urine Blank lot:** 8919

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

LCMS-QQQ ID: 69679

Pre-Analytic:

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

Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. 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) Pipette ID: 1926134 or 250µL hydrolyzed urine in wells of analytical (standards) plate.
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. *Shaker ID: 66759*
- 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) Manifold ID: 66792*
- 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. Urine samples add 50 ul 1% HCl in MeOH. Place on SPE Dry and evaporate to dryness at approx. 35°C. *SPE Dry ID: 66819*
- 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: Limited curve ranges: 10-1000- Lorazepam; 50-1000- Lamotrigine; 5-250 – Metoprolol and Norhydrocodone; 5-500 – Benzoylcegonine, Mitragynine and Trazodone. Norbuprenorphine not evaluated.

10-500 Benzoylcegonine 10/24/19

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Norhydrocodone - not evaluated 10/24/19

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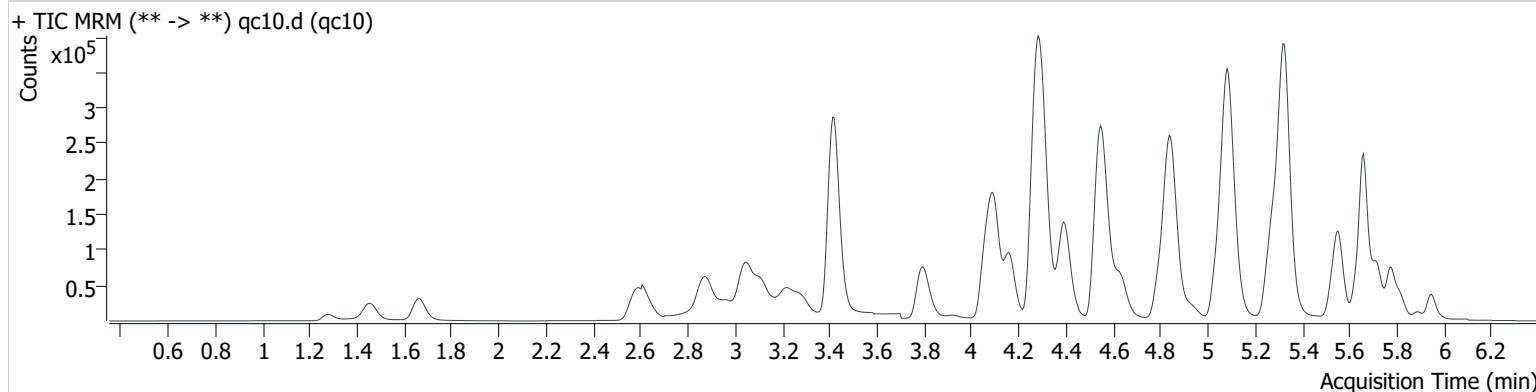
AM #28 Multi-Drug Quant. Results

Bylye

Batch results D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin
Calibration Last Update 10/24/2019 12:45:32 PM

Instrument	69679	Data File	qc10.d
Type	QC	Sample	qc10
Acq. Method	mdq p1 cda 121818.m	Operator	Britany Wylie
Sample Position	P2-A2	Comment	
Injection Volume	2		
Acq. Date-Time	10/22/2019 5:14:39 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.188	1571	2123.4	79.4	1081.6	45914	0.923 ng/ml
7-aminoclonazepam	4.302	22068	2398.5	83.8	127.5	93824	10.331 ng/ml
a-hydroxyalprazolam	5.704	926	1299.3	67.1	472.9	4928	10.150 ng/ml
alpha-PVP	4.402	73454	1855.4	53.3	2059.8	332464	9.700 ng/ml
Alprazolam	5.777	22391	168.5	110.6	100.2	78905	10.331 ng/ml
Amphetamine	3.117	81103	385.1	53.8	393.3	152335	10.406 ng/ml
Benzoylcegonine	3.926	5065	47.3	7.6	410.9	6692	13.018 ng/ml
Buprenorphine	5.678	754	388.5	16.1	74.7	29043	1.002 ng/ml
Bupropion	4.819	54849	7113.5	57.9	513.7	214383	10.314 ng/ml
Carisoprodol	5.728	16186	10259.7	58.7	254.7	76722	10.047 ng/ml
Citalopram	5.266	51166	3690.9	44.5	580.9	221350	10.095 ng/ml
Clonazepam	5.628	3103	2030.7	29.3	269.2	5093	11.463 ng/ml
Cocaine	4.302	63040	517.9	45.5	100.3	510967	9.746 ng/ml
Codeine	2.638	9886	218.0	106.2	350.0	47716	10.673 ng/ml
Cyclobenzaprine	5.630	27629	679.4	9.1	2464.1	103921	10.408 ng/ml
Dextromethorphan	5.306	24185	1661.2	76.3	1075.1	116155	9.885 ng/ml
Dextrorphan	4.161	18845	756.5	218.0	1825.3	207309	10.345 ng/ml
Diazepam	5.952	13650	2934.3	87.3	868.5	66702	9.618 ng/ml
Dihydrocodeine	2.617	25418	652.1	64.2	449.3	138935	10.476 ng/ml
Diphenhydramine	5.332	146845	971.3	34.3	1497.6	804628	10.333 ng/ml
Doxylamine	4.564	188118	6214.1	97.3	2133.4	803832	10.003 ng/ml
EDDP	5.300	21526	2145.1	240.5	1483.3	246193	10.053 ng/ml
Fentanyl	5.117	5152	1267.6	69.8	811.7	250171	1.115 ng/ml
Fluoxetine	5.710	17689	961.0	8.5	130.6	67310	10.905 ng/ml
Hydrocodone	3.074	23019	21.0	42.9	124.4	143490	9.843 ng/ml
Hydromorphone	1.673	20723	36.5	74.5	1122.6	82829	9.553 ng/ml
Ketamine	4.076	63555	1297.8	37.6	352.2	303081	10.204 ng/ml
Lorazepam	5.755	1205	728.4	55.3	13.0	78905	10.077 ng/ml
Meprobamate	4.952	9022	3129.1	27.7	270.9	42709	10.176 ng/ml
Methadone	5.664	85308	2631.9	47.1	1870.3	418983	10.240 ng/ml
Methamphetamine	3.284	45999	45.4	41.1	22.0	136187	11.493 ng/ml
Metoprolol	4.359	16788	1771.5	97.8	374.8	804628	10.763 ng/ml
Mirtazapine	4.635	107831	3859.3	46.3	333.7	418983	10.434 ng/ml

AM #28 Multi-Drug Quant. Results

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Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mitragynine	5.245	15017	18813.8	36.2	386.0	116155	13.607 ng/ml
Morphine	1.282	5092	3145.4	20.6	236.7	6779	10.299 ng/ml
Norbuprenorphine	5.039	72	2.2 Low	71.1 Low	71.9	4262	0.168 ng/ml *
Nordiazepam	5.897	4668	1740.1	64.5	1884.1	16418	9.740 ng/ml
Norfentanyl	4.122	9218	342.3	40.2	221.2	421924	0.975 ng/ml
Norhydrocodone	3.125	1277	248.0	36.4	67.0	44818	9.949 ng/ml *
Noroxycodone	2.977	18300	30.7	41.7	316.4	67099	9.539 ng/ml
O-desmethyl-tramadol	3.420	155622	3326.7	6.6	462.3	810156	10.402 ng/ml
Oxazepam	5.758	1501	137.2	74.1	18.3	8708	9.700 ng/ml
Oxycodone	2.894	49568	704.4	29.9	18.0	231075	10.590 ng/ml
Oxymorphone	1.460	20854	2708.0	43.9	158.8	86227	9.529 ng/ml
Phentermine	3.828	24053	33.4	5.5	61.6	261192	9.740 ng/ml
Promethazine	5.558	39881	1416.6	32.3	1078.1	175390	10.382 ng/ml
Quetiapine	5.539	66772	512.4	60.5	1370.4	97209	10.475 ng/ml
Sertraline	5.777	8442	322.8	97.7	7989.1	36268	11.139 ng/ml
Temazepam	5.824	10934	464.8	29.3	36.3	53478	10.264 ng/ml
Tramadol	4.283	165045	6619.5	3.5	219.3	828667	10.481 ng/ml
Trazodone	5.086	77083	4492.2	81.4	2086.8	347576	10.457 ng/ml
Venlafaxine	5.083	122275	1308.3	38.9	282.0	644809	10.114 ng/ml
Zolpidem	4.858	155423	3148.6	30.3	1111.8	665003	10.071 ng/ml

* compound not evaluated

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10/24/19

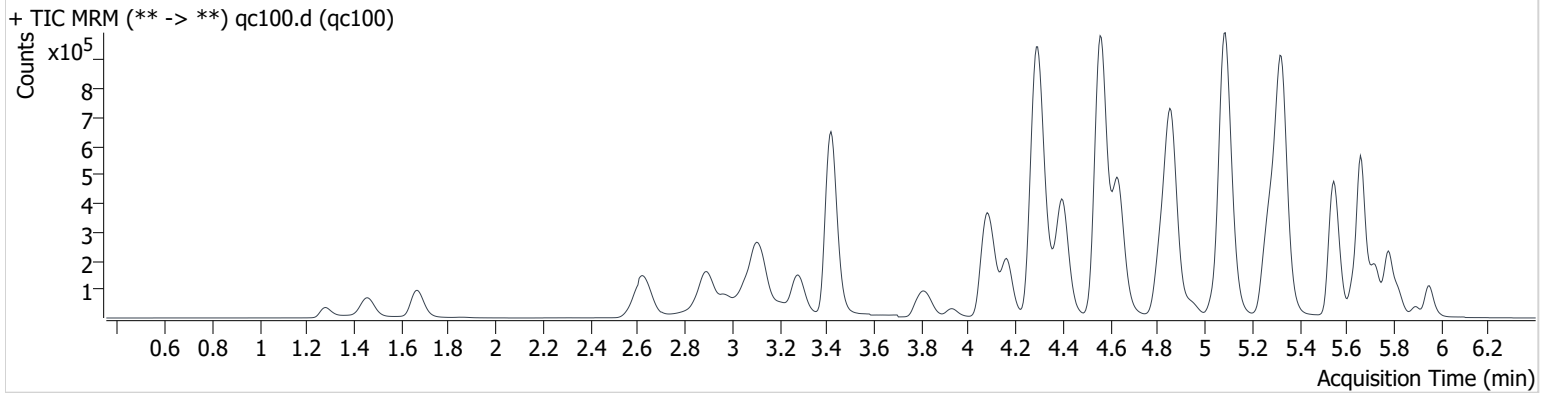
AM #28 Multi-Drug Quant. Results

Bylye

Batch results D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin
Calibration Last Update 10/24/2019 12:45:32 PM

Instrument	69679	Data File	qc100.d
Type	QC	Sample	qc100
Acq. Method	mdq p1 cda 121818.m	Operator	Britany Wylie
Sample Position	P2-B2	Comment	
Injection Volume	2		
Acq. Date-Time	10/22/2019 5:25:29 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.183	14006	1923.3	74.4	13638.9	39936	9.689 ng/ml
7-aminoclonazepam	4.302	162023	235.8	85.1	303.3	77972	103.773 ng/ml
a-hydroxyalprazolam	5.704	8002	1158.9	59.2	1200.7	4573	94.448 ng/ml
alpha-PVP	4.402	662752	7776.6	52.7	886.0	299965	96.417 ng/ml
Alprazolam	5.782	192515	1529.9	113.4	10701.4	70233	97.483 ng/ml
Amphetamine	3.117	589299	2243.7	52.8	405.6	124351	104.495 ng/ml
Benzoylcegonine	3.931	52626	833.8	8.1	5389.8	6355	120.106 ng/ml
Buprenorphine	5.673	6374	1692.5	15.5	1062.9	23570	10.413 ng/ml
Bupropion	4.819	426166	424779.4	60.3	2725.8	183045	101.389 ng/ml
Carisoprodol	5.728	139888	108871.2	60.7	325.2	68097	98.831 ng/ml
Citalopram	5.266	412042	701.7	45.2	1287.7	189235	98.122 ng/ml
Clonazepam	5.628	27680	17980.0	32.3	1985.3	5107	104.159 ng/ml
Cocaine	4.302	548004	47522.9	45.4	57860.6	453583	97.416 ng/ml
Codeine	2.643	79816	1224.9	106.9	52662.2	40419	106.344 ng/ml
Cyclobenzaprine	5.635	194980	90062.9	9.6	7991.5	79020	97.848 ng/ml
Dextromethorphan	5.306	165672	684.4	74.8	123815.8	79198	101.479 ng/ml
Dextrorphan	4.166	141715	10025.5	217.7	20766.6	157353	105.603 ng/ml
Diazepam	5.952	125734	8510.9	86.5	7219.3	62135	101.739 ng/ml
Dihydrocodeine	2.617	205632	159.0	66.1	24150.6	122495	104.068 ng/ml
Diphenhydramine	5.332	1204113	1908.3	34.3	10055.2	675346	96.864 ng/ml
Doxylamine	4.564	1686733	77392.5	95.6	62157.5	732670	100.253 ng/ml
EDDP	5.300	193880	129803.7	233.8	31332.8	227362	99.069 ng/ml
Fentanyl	5.117	39015	1311.9	73.1	38741.6	205527	8.790 ng/ml
Fluoxetine	5.710	99849	1922.2	8.3	10650.9	41933	100.703 ng/ml
Hydrocodone	3.074	214971	2092.3	39.0	26.2	127419	104.066 ng/ml
Hydromorphone	1.668	179642	1398.0	71.1	19088.2	69883	100.622 ng/ml
Ketamine	4.076	578778	576.3	37.3	118.9	286921	102.069 ng/ml
Lamotrigine	4.329	59662	1502.7	90.0	1062.0	79198	225.116 ng/ml
Lorazepam	5.750	9356	2178.4	55.1	55.7	70233	99.357 ng/ml
Meprobamate	4.952	81604	48982.4	28.6	252.5	40610	99.933 ng/ml
Methadone	5.664	691082	18478.1	48.0	1032.9	355099	94.574 ng/ml
Methamphetamine	3.284	284674	367.0	40.1	356.7	112387	101.161 ng/ml
Metoprolol	4.359	147207	4511.7	97.6	4685.1	675346	121.696 ng/ml

AM #28 Multi-Drug Quant. Results

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Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.635	954212	120583.2	45.5	14980.4	355099	102.925 ng/ml
Mitragynine	5.245	115722	2776.8	38.2	42537.2	79198	150.623 ng/ml
Morphine	1.282	40966	257927.2	21.0	4520.2	5854	97.703 ng/ml
Norbuprenorphine	5.039	659	153.8	110.4	740.9	3869	8.828 ng/ml *
Nordiazepam	5.897	44263	80697.8	62.1	14573.4	15399	101.406 ng/ml
Norfentanyl	4.122	85186	623.4	40.2	1707.7	387864	9.753 ng/ml
Norhydrocodone	3.120	15273	364.9	42.9	353.3	42912	90.427 ng/ml *
Noroxycodone	2.977	161148	1675.7	41.2	1062.6	59576	103.317 ng/ml
O-desmethyl-tramadol	3.420	1420309	129567.2	6.3	4381.7	766070	98.626 ng/ml
Oxazepam	5.763	12468	619.5	74.5	215.5	6929	99.922 ng/ml
Oxycodone	2.894	448196	4601.8	30.2	∞	223015	104.622 ng/ml
Oxymorphone	1.455	185446	737249.0	44.2	436750.2	78208	104.258 ng/ml
Phentermine	3.828	199586	124.1	5.1	530.6	227315	106.344 ng/ml
Promethazine	5.558	282548	282664.2	31.6	10636.4	127085	100.433 ng/ml
Quetiapine	5.539	594567	20699.2	60.8	314397.6	89246	106.466 ng/ml
Sertraline	5.777	37281	37590.8	103.5	31474.4	18963	95.844 ng/ml
Temazepam	5.824	99802	1985.2	30.2	335.8	49601	101.424 ng/ml
Tramadol	4.283	1434640	100031.7	3.5	1200.6	779173	104.402 ng/ml
Trazodone	5.091	686869	2040.4	79.5	237649.2	335513	104.491 ng/ml
Venlafaxine	5.083	1121938	2757.5	38.6	1527.3	590476	98.834 ng/ml
Zolpidem	4.858	1441868	89994.6	30.2	6693.1	629999	100.087 ng/ml

* compound not evaluated

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10/24/19

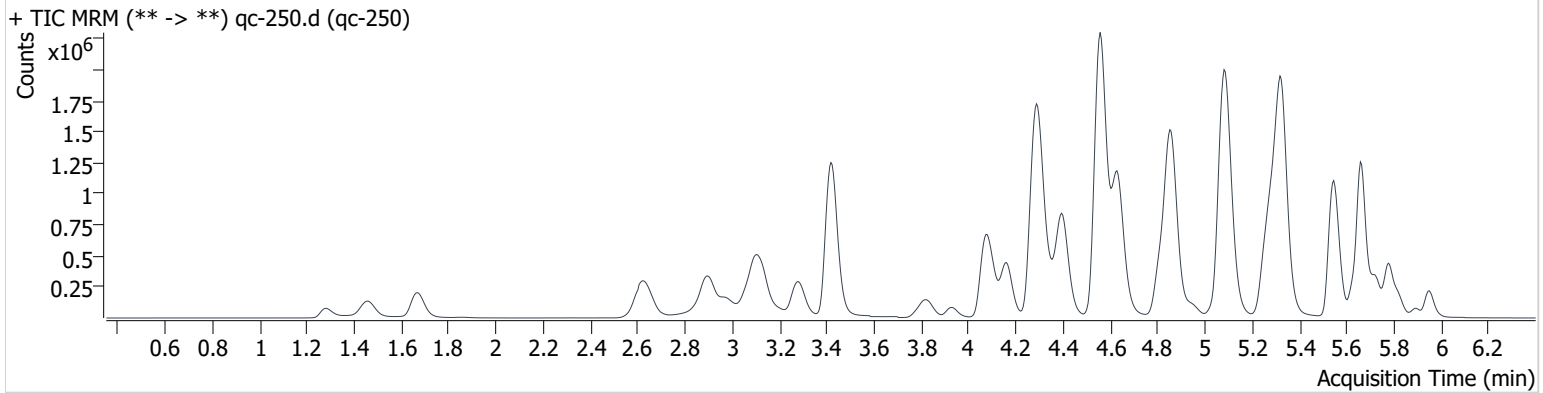
AM #28 Multi-Drug Quant. Results

B. Wylie

Batch results D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin
Calibration Last Update 10/24/2019 12:45:32 PM

Instrument	69679	Data File	qc-250.d
Type	QC	Sample	qc-250
Acq. Method	mdq p1 cda 121818.m	Operator	Britany Wylie
Sample Position	P2-C2	Comment	
Injection Volume	2		
Acq. Date-Time	10/22/2019 5:36:17 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.188	34317	41475.6	74.2	7841.8	37199	25.525 ng/ml
7-aminoclonazepam	4.297	284793	17620.0	81.9	470.3	59962	239.245 ng/ml
a-hydroxyalprazolam	5.704	18484	2856.2	59.5	1045.0	4169	239.297 ng/ml
alpha-PVP	4.402	1556454	3471.0	53.0	78577.7	281629	241.076 ng/ml
Alprazolam	5.782	438159	1560.4	113.5	4953.4	63813	243.786 ng/ml
Amphetamine	3.117	1205925	12120.3	50.6	841.3	103226	259.800 ng/ml
Benzoylcegonine	3.926	156287	35773.5	8.0	20158.1	6488	345.054 ng/ml
Buprenorphine	5.673	14499	13994.2	17.2	902.1	23113	24.152 ng/ml
Bupropion	4.814	885436	117359.6	60.5	4077.4	153771	252.127 ng/ml
Carisoprodol	5.728	321582	2863.3	58.1	4496.6	60901	254.218 ng/ml
Citalopram	5.261	1047076	41161.2	45.8	4249.5	186935	252.981 ng/ml
Clonazepam	5.628	64435	3143.2	33.5	3350.2	5048	245.699 ng/ml
Cocaine	4.302	1230070	625.1	45.3	382016.8	403871	245.921 ng/ml
Codeine	2.643	180671	18381.4	104.0	5497.3	37002	263.746 ng/ml
Cyclobenzaprine	5.630	485420	6804.6	9.3	1605.1	77505	248.595 ng/ml
Dextromethorphan	5.306	441094	620.0	75.8	24492.5	83458	256.758 ng/ml
Dextrorphan	4.161	378779	649374.0	216.4	53241.1	168475	264.148 ng/ml
Diazepam	5.952	285940	4869.9	88.1	8053.7	57447	251.344 ng/ml
Dihydrocodeine	2.611	502171	4409.8	64.2	804.9	122935	254.628 ng/ml
Diphenhydramine	5.332	3084289	190150.1	33.6	2097.1	679950	245.714 ng/ml
Doxylamine	4.559	4230793	12499.7	96.5	260964.8	739457	249.466 ng/ml
EDDP	5.295	547141	2115.9	237.5	52316.9	255070	249.385 ng/ml
Fentanyl	5.117	111153	741.8	73.8	109008.0	217349	23.373 ng/ml
Fluoxetine	5.710	168045	4790.8	8.8	5304.4	30645	232.211 ng/ml
Hydrocodone	3.074	532451	846.3	39.0	774.3	126886	258.924 ng/ml
Hydromorphone	1.668	436732	1667.8	73.7	16838.3	67744	252.749 ng/ml
Ketamine	4.076	1394513	2371.6	37.9	1710.7	276532	255.845 ng/ml
Lamotrigine	4.329	125561	5147.6	89.3	3542.6	83458	498.927 ng/ml
Lorazepam	5.750	19649	538.8	59.0	72.2	63813	231.610 ng/ml
Meprobamate	4.952	196428	380.5	29.1	1155.5	38715	252.877 ng/ml
Methadone	5.664	1920087	35128.3	46.0	29560.4	383036	242.989 ng/ml
Methamphetamine	3.284	581519	1051.4	40.4	517.3	96329	244.282 ng/ml
Metoprolol	4.359	325049	6007.3	98.1	41867.2	679950	268.067 ng/ml

AM #28 Multi-Drug Quant. Results

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Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.635	2385255	74038.0	45.7	9253.6	383036	237.679 ng/ml
Mitragynine	5.245	308988	333732.0	39.1	577.6	83458	381.176 ng/ml
Morphine	1.282	97080	36996.2	21.3	125993.3	5343	253.978 ng/ml
Norbuprenorphine	5.029	1780	667.6	99.5	1837.4	3993	24.371 ng/ml *
Nordiazepam	5.897	103742	19164.3	60.8	4895.6	14115	259.784 ng/ml
Norfentanyl	4.122	210652	1056.0	40.5	5070.9	365975	25.552 ng/ml
Norhydrocodone	3.125	51068	2067.1	41.8	2333.3	46029	275.654 ng/ml *
Noroxycodone	2.977	367959	1941.6	42.3	1989.5	54735	258.231 ng/ml
O-desmethyl-tramadol	3.420	3516651	218903.8	6.3	8043.4	739874	252.522 ng/ml
Oxazepam	5.763	26012	747.1	73.6	246.4	6090	236.994 ng/ml
Oxycodone	2.894	1122759	1362.8	29.1	989.3	216327	271.209 ng/ml
Oxymorphone	1.455	425126	1534966.6	44.1	1065766.8	72876	258.291 ng/ml
Phentermine	3.828	439530	1207.7	5.0	567.3	208690	257.303 ng/ml
Promethazine	5.558	699492	716806.7	31.2	119953.1	129454	243.912 ng/ml
Quetiapine	5.539	1542494	56519.7	59.1	261452.1	91551	270.111 ng/ml
Sertraline	5.777	49663	28696.5	102.3	43347.6	9749	248.726 ng/ml
Temazepam	5.824	238388	2057.1	30.0	938.3	47228	254.508 ng/ml
Tramadol	4.283	3357206	255006.9	3.4	3767.3	757050	252.734 ng/ml
Trazodone	5.086	1616370	97724.2	79.6	1148.1	343591	241.368 ng/ml
Venlafaxine	5.083	2721523	4171.2	38.6	5848.8	569931	247.967 ng/ml
Zolpidem	4.858	3551870	2226.5	29.8	2218.0	610857	254.534 ng/ml

* compound not evaluated

BW

10/24/19

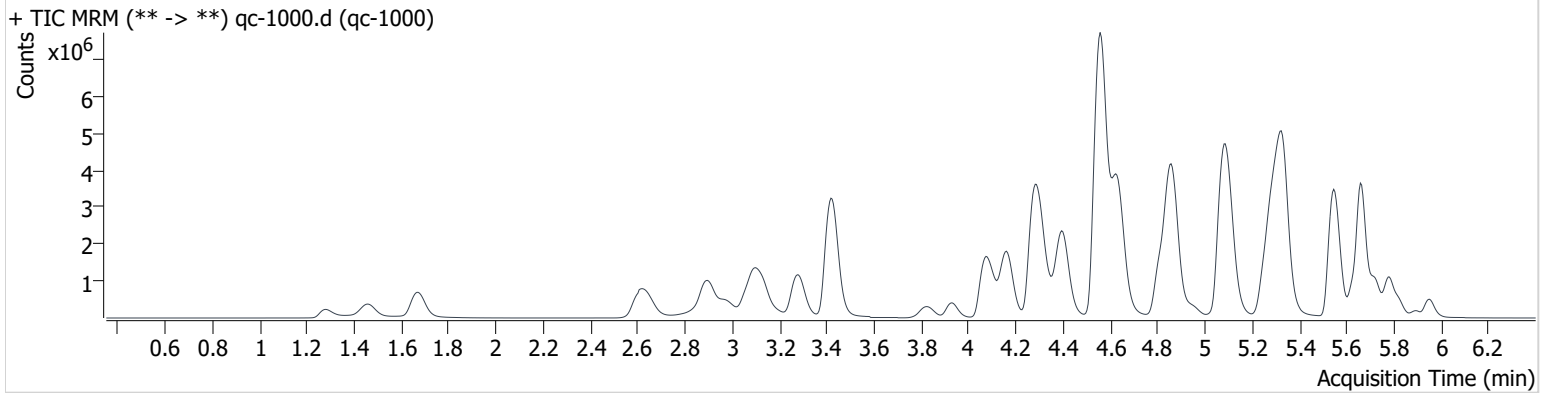
AM #28 Multi-Drug Quant. Results

Bylye

Batch results D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin
Calibration Last Update 10/24/2019 12:45:32 PM

Instrument	69679	Data File	qc-1000.d
Type	QC	Sample	qc-1000
Acq. Method	mdq p1 cda 121818.m	Operator	Britany Wylie
Sample Position	P2-D2	Comment	
Injection Volume	2		
Acq. Date-Time	10/22/2019 5:47:04 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.188	127190	3435.2	74.1	1555.6	31180	112.952 ng/ml
7-aminoclonazepam	4.297	398812	9663.9	83.3	22520.4	26372	765.230 ng/ml
a-hydroxyalprazolam	5.704	62789	542.0	58.6	289.8	3676	921.829 ng/ml
alpha-PVP	4.402	5153533	259417.2	52.2	1104056.1	224005	1003.355 ng/ml
Alprazolam	5.782	1185053	4381.2	110.8	2600.5	41016	1024.961 ng/ml
Amphetamine	3.117	3234920	16231.6	52.1	1527.9	79989	903.068 ng/ml
Benzoyllecgonine	3.931	811708	1004190.1	7.9	827.0	6755	1712.493 ng/ml **
Buprenorphine	5.678	33960	6474.4	15.6	3749.0	13751	95.075 ng/ml
Bupropion	4.814	3116804	49827.0	60.1	3186.3	147275	929.140 ng/ml
Carisoprodol	5.728	958776	525603.0	57.7	14070.5	45363	1017.900 ng/ml
Citalopram	5.261	2876636	2816.5	46.4	34899.8	132793	979.421 ng/ml
Clonazepam	5.622	178707	163797.7	33.3	6054.4	3727	923.767 ng/ml
Cocaine	4.302	3127335	202501.7	45.1	65675.8	255971	987.166 ng/ml
Codeine	2.648	507981	1618.1	104.4	1609.4	27513	998.832 ng/ml
Cyclobenzaprine	5.630	1764632	192568.4	9.3	17924.1	71508	979.944 ng/ml
Dextromethorphan	5.306	1625618	16760.1	75.7	1022153.9	78848	1002.283 ng/ml
Dextrorphan	4.161	1900507	2291.3	219.7	234536.1	217036	1029.819 ng/ml
Diazepam	5.952	776846	1007.3	86.5	1676.8	39309	1000.157 ng/ml
Dihydrocodeine	2.606	1666042	6229.0	64.0	30005.7	125986	826.489 ng/ml
Diphenhydramine	5.337	8729095	9393.7	33.4	2726.1	461168	1023.847 ng/ml
Doxylamine	4.558	15698885	524737.5	96.8	345256.2	700712	977.468 ng/ml
EDDP	5.295	2366309	3415.7	242.9	1047988.4	276841	994.087 ng/ml
Fentanyl	5.122	356102	79343.5	75.0	1123.1	148098	109.223 ng/ml
Fluoxetine	5.710	790195	110250.6	8.6	112304.8	33704	993.600 ng/ml
Hydrocodone	3.068	1988002	1297.6	38.7	1312.8	122298	1003.177 ng/ml
Hydromorphone	1.673	1730511	4152.5	71.1	3292.8	68579	990.080 ng/ml
Ketamine	4.076	4293936	592408.8	37.7	35931.6	224604	971.190 ng/ml
Lamotrigine	4.335	248368	3284.5	89.3	2528.3	78848	1098.735 ng/ml
Lorazepam	5.750	63864	3812.9	55.1	469.3	41016	1177.214 ng/ml
Meprobamate	4.952	628621	103283.6	29.0	60081.0	32461	966.249 ng/ml
Methadone	5.659	6489245	4510.7	45.7	142192.5	316888	991.453 ng/ml
Methamphetamine	3.279	2494471	1523.8	40.3	452.8	108153	939.795 ng/ml
Metoprolol	4.359	723396	14075.8	96.5	235467.5	461168	881.842 ng/ml **

AM #28 Multi-Drug Quant. Results

Byylee

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.635	8315178	9641.6	44.9	5308.6	316888	999.474 ng/ml
Mitragynine	5.240	968812	652266.4	38.7	570078.9	78848	1264.318 ng/ml **
Morphine	1.282	330381	1729985.0	21.3	147819.9	4842	954.415 ng/ml
Norbuprenorphine	5.034	5822	4926.7	97.9	8830.9	3414	95.436 ng/ml *
Nordiazepam	5.897	278180	63454.0	60.9	386466.1	9639	1021.036 ng/ml
Norfentanyl	4.122	756346	1705.1	40.6	14760.5	312524	107.422 ng/ml
Norhydrocodone	3.125	187276	6646.8	41.5	1936.9	37430	1232.762 ng/ml *
Noroxycodone	2.972	1177100	931.0	41.3	234.6	44928	1009.217 ng/ml
O-desmethyl-tramadol	3.420	11354332	286131.8	6.1	739.9	583607	1033.004 ng/ml
Oxazepam	5.758	75052	3644.2	74.0	1335.6	4253	978.646 ng/ml
Oxycodone	2.894	3861585	∞	29.2	10827.4	195033	1036.451 ng/ml
Oxymorphone	1.455	1358394	2821009.0	44.1	2718730.5	63389	952.115 ng/ml
Phentermine	3.828	1165619	897.6	5.0	1469.1	161796	883.957 ng/ml
Promethazine	5.558	3185839	273167.8	30.9	10090.8	140784	1021.107 ng/ml
Quetiapine	5.534	4799715	1927945.4	59.0	4820.0	82081	938.845 ng/ml
Sertraline	5.777	198492	66140.2	101.9	167219.8	9625	1007.632 ng/ml
Temazepam	5.824	721866	4296.9	29.9	1779.3	34487	1055.541 ng/ml
Tramadol	4.278	9414334	588312.7	3.3	14663.6	540299	995.708 ng/ml
Trazodone	5.091	4136782	242925.0	79.1	2588.4	303412	701.373 ng/ml **
Venlafaxine	5.083	8494572	4078.7	37.8	4247.0	432683	1018.609 ng/ml
Zolpidem	4.858	11398881	692283.4	29.0	117239.8	489685	1019.501 ng/ml

* compound not evaluated; ** outside curve range

BW
10/24/19



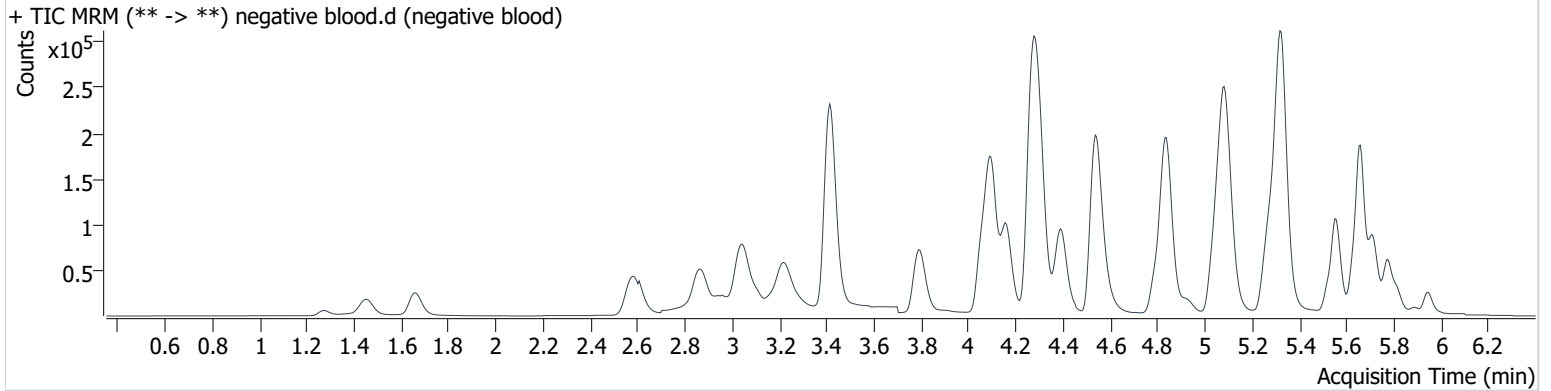
AM #28 Multi-Drug Quant. Results

BWylee

Batch results D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin
Calibration Last Update 10/24/2019 12:45:32 PM

Instrument	69679	Data File	negative blood.d
Type	Sample	Sample	negative blood
Acq. Method	mdq p1 cda 121818.m	Operator	Britany Wylie
Sample Position	P2-E2	Comment	
Injection Volume	2		
Acq. Date-Time	10/22/2019 6:19:13 PM		
Sample Info.			

Sample Chromatogram



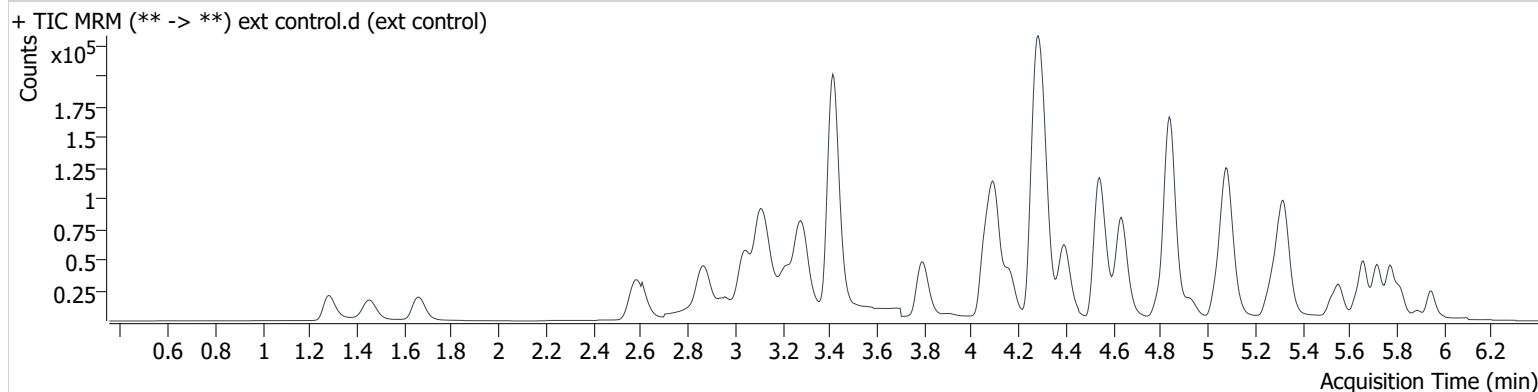
AM #28 Multi-Drug Quant. Results

BWylie

Batch results D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin
Calibration Last Update 10/24/2019 12:45:32 PM

Instrument	69679	Data File	ext control.d
Type	Sample	Sample	ext control
Acq. Method	mdq p1 cda 121818.m	Operator	Britany Wylie
Sample Position	P2-F2	Comment	
Injection Volume	2		
Acq. Date-Time	10/22/2019 6:30:02 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Amphetamine	3.117	205571	1171.4	53.1	681.1	103265	43.024 ng/ml
Buprenorphine	5.673	789	26.0	16.0	150.3	7577	4.010 ng/ml
Dextromethorphan	5.306	27653	4404.9	78.5	10724.4	25336	52.833 ng/ml
Methamphetamine	3.284	149353	185.3	39.4	94.9	130563	44.422 ng/ml
Mirtazapine	4.635	185357	2162.2	46.7	1492.8	98816	72.039 ng/ml
Morphine	1.287	20947	32892.0	21.7	35365.1	6436	45.324 ng/ml

Bylee

Toxicology AM method 28 panel 1 external prep information

working solution 10000 ng/ml in meoh amphetamine, dextromethorphan, methamphetamine, morphine, paroxetine, amitriptyline meperidine, doxepine, mirtazapine, 1000 ng/ml buprenorphine

Stock solution 1mg/ml (.1mg/ml buprenorphine) 100 ul each in 9000 ul meOH

Ppd 3/14/19 Exp: 3/14/20 lot 31420 by AMN

Drug	lot	expiration
amphetamine	FE06011503	6/1/2020
dextromethorphan	FN07231501	7/1/2020
methamphetamine	FE08101708	10/1/2022
morphine	FE08141515	11/1/2020
buprenorphine	FE09211501	9/1/2020
paroxetine	FN05111505	6/1/2020
mirtazapine	FN04201503	4/1/2020
meperidine	FE01191502	2/1/2020 (this compound will not be evaluated in this control after 2/1/2020)
doxepin	FN01281502	2/1/2020 (this compound will not be evaluated in this control after 2/1/2020)
amitriptyline	FN07081401	9/1/2019 (this compound will not be evaluated in this control after 9/1/2019)

AM 28 control 50 ul working solution lot (31420) in 9950 ul blood lot (19A207P3)

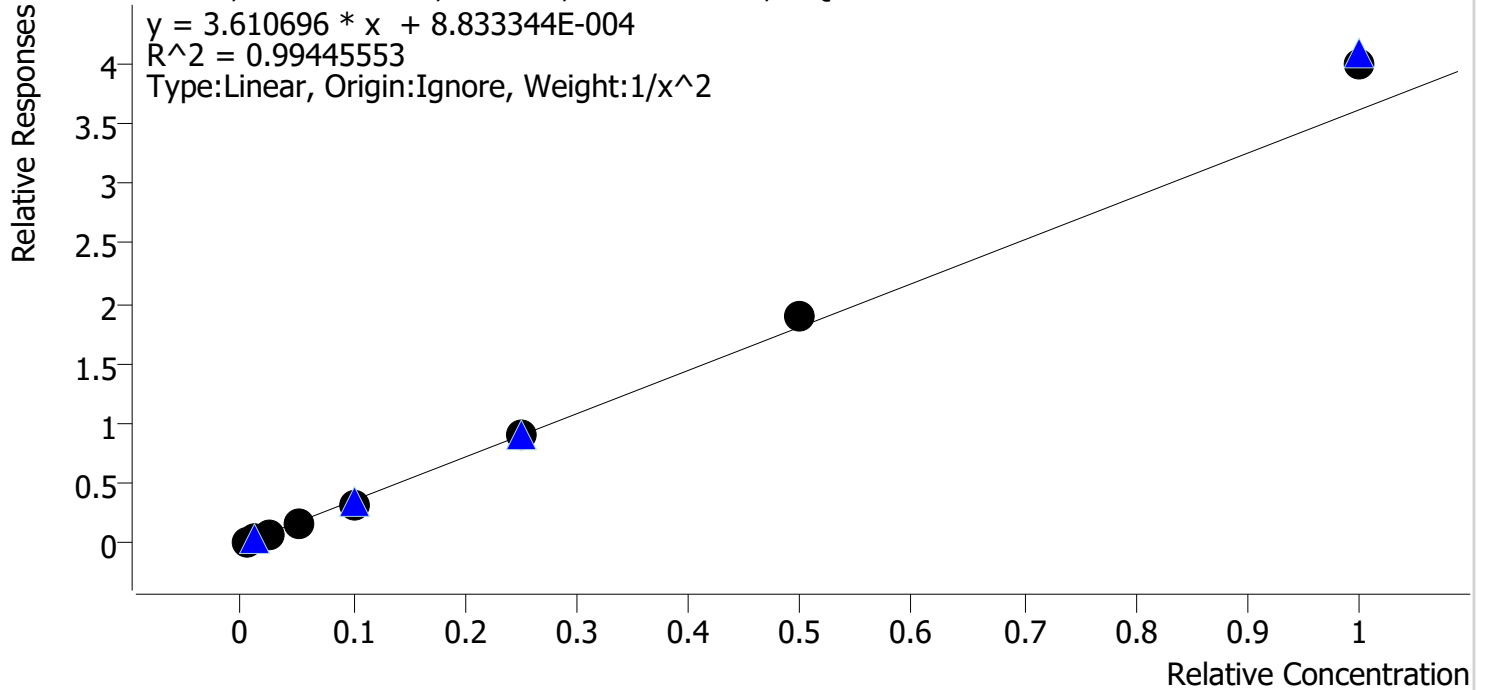
ppd 3/14/19 Exp 3/14/2020 by AMN Concentration 50 ng/ml each (5 ng/ml buprenorphine)

Compound Calibration Report

Batch results D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin
Last Cal. Update 10/24/2019 12:45 PM
Analyst Name ISP\datastor
Analyte 6-MAM **Internal Standard** 6-MAM-D6

Bylee

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

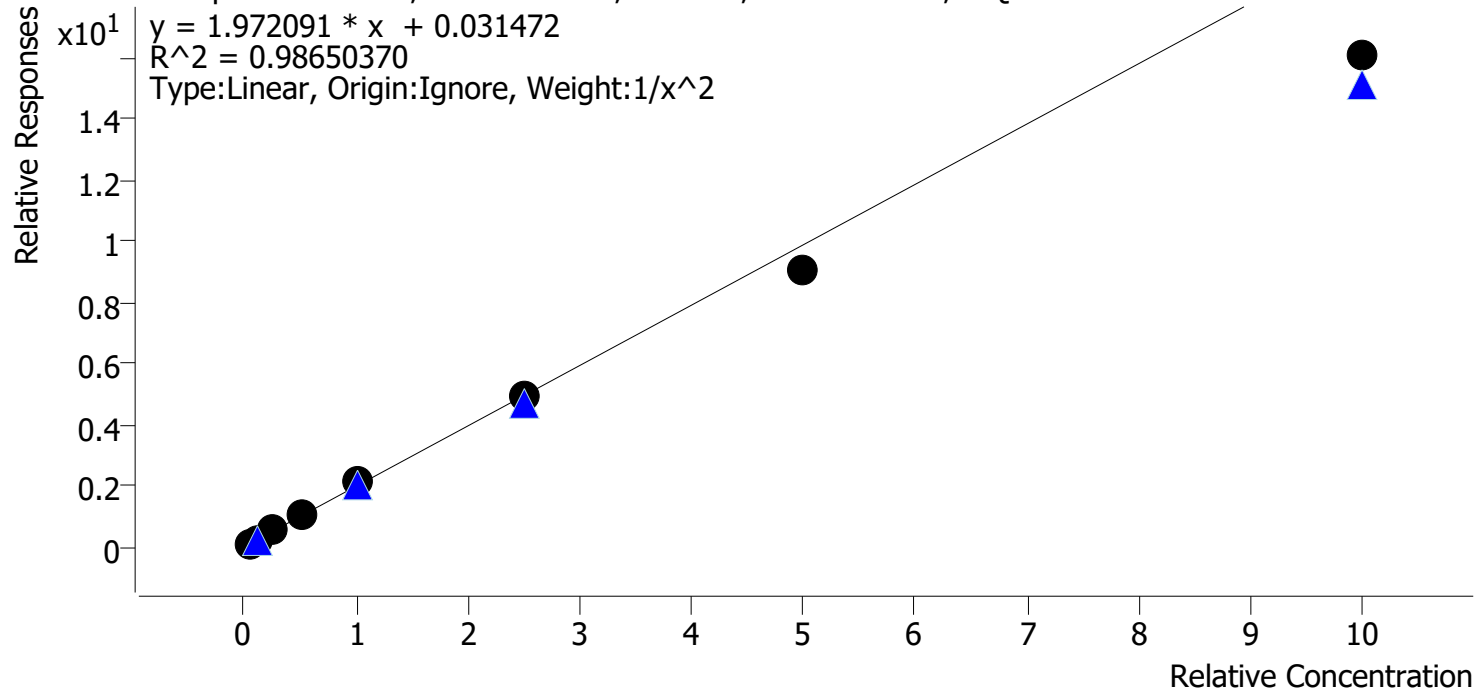


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	0.5	0.5	104.3
cal 2	2	✓	1.0	0.9	94.0
cal 3	3	✓	2.5	2.4	95.4
cal 4	4	✓	5.0	5.0	100.2
cal 5	5	✓	10.0	9.1	91.0
cal 6	6	✓	25.0	25.0	100.0
cal 7	7	✓	50.0	52.1	104.2
cal 8	8	✓	100.0	110.9	110.9

Compound Calibration Report

Batch results D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin
Last Cal. Update 10/24/2019 12:45 PM
Analyst Name ISP\datastor
Analyte 7-aminoclonazepam *Byylee*
Internal Standard 7-Aminoclonazepam-D4

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

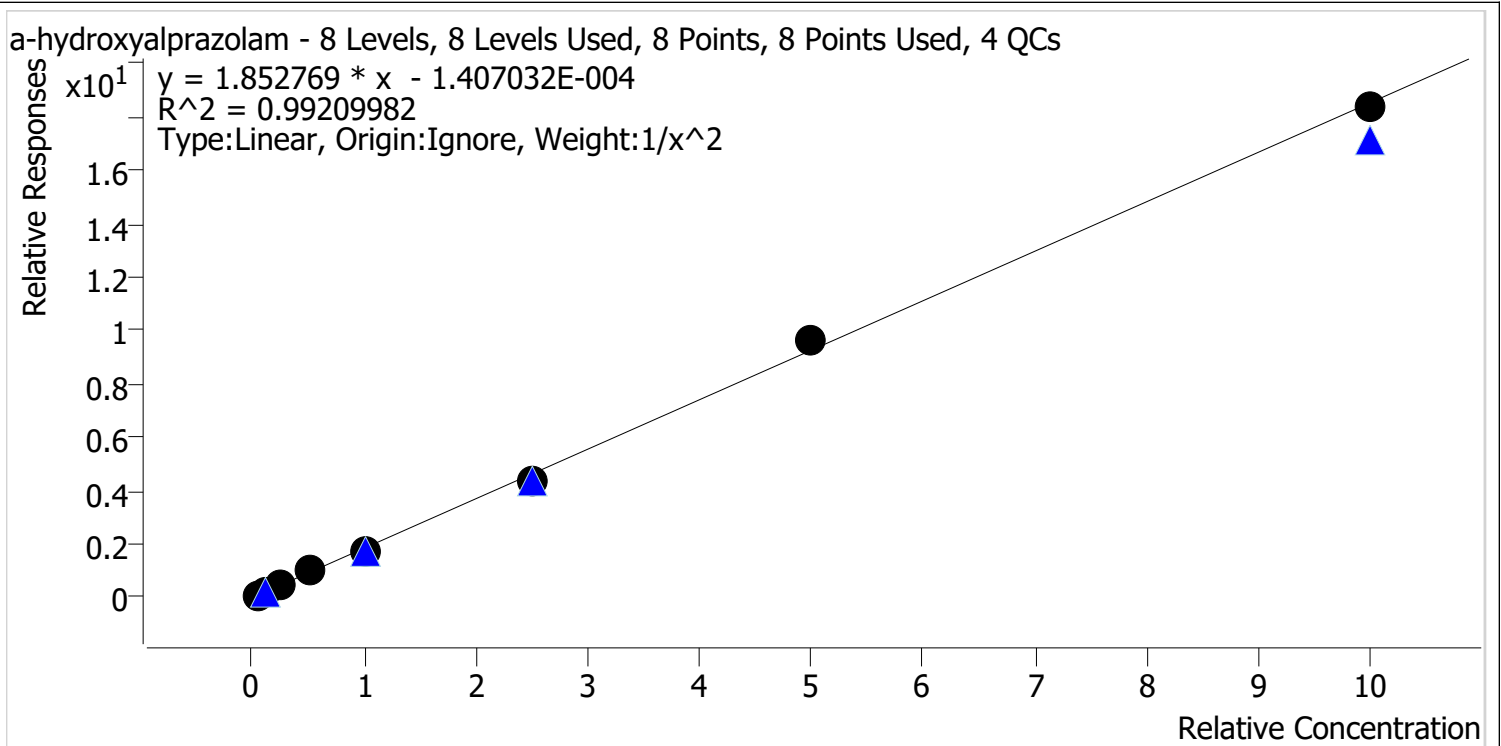


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	4.7	94.9
cal 2	2	✓	10.0	10.4	104.1
cal 3	3	✓	25.0	27.2	108.6
cal 4	4	✓	50.0	55.8	111.7
cal 5	5	✓	100.0	107.6	107.6
cal 6	6	✓	250.0	248.9	99.6
cal 7	7	✓	500.0	461.0	92.2
cal 8	8	✓	1000.0	813.4	81.3

Compound Calibration Report

Batch results	D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin		
Last Cal. Update	10/24/2019 12:45 PM		
Analyst Name	ISP\datastor		
Analyte	a-hydroxyalprazolam	Internal Standard	a-hydroxyalprazolam-D5

Bylee

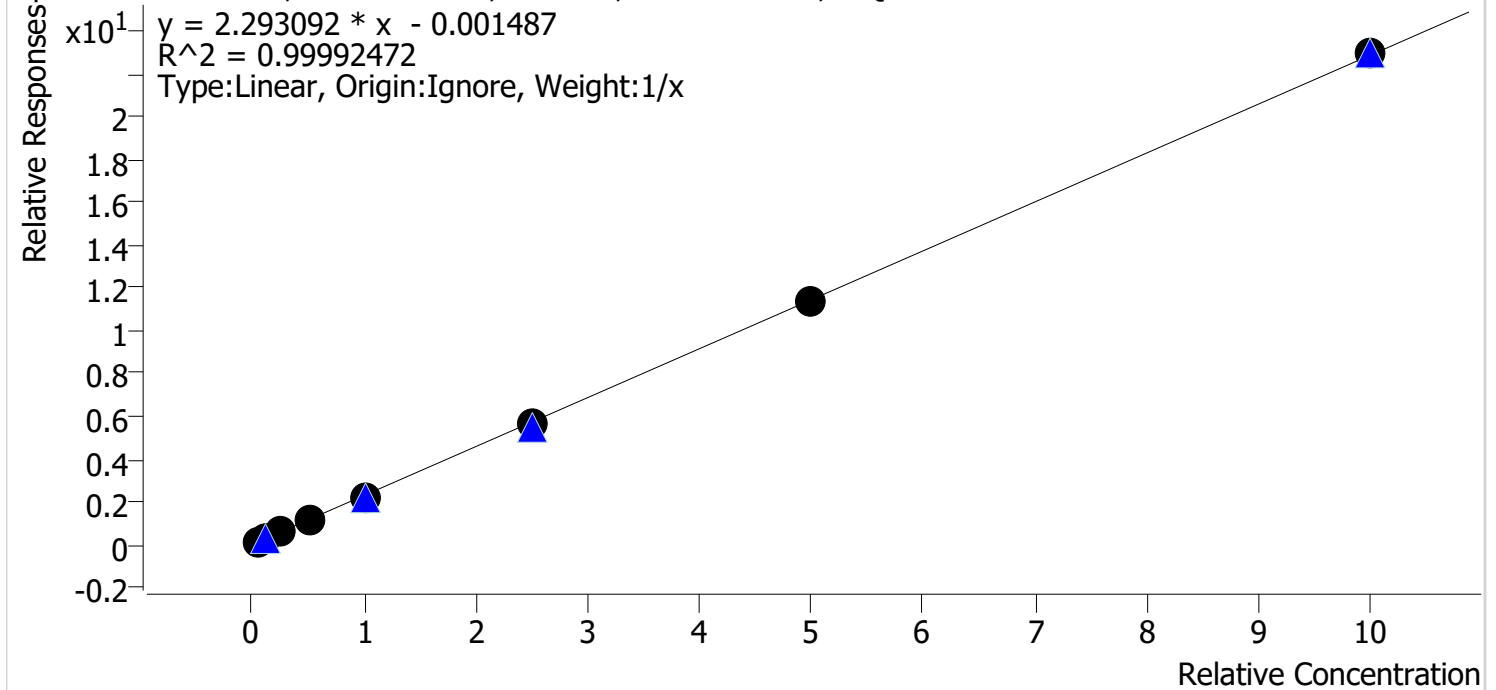


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	4.7	93.2
cal 2	2	✓	10.0	11.4	113.6
cal 3	3	✓	25.0	24.8	99.3
cal 4	4	✓	50.0	53.5	107.0
cal 5	5	✓	100.0	90.9	90.9
cal 6	6	✓	250.0	233.6	93.4
cal 7	7	✓	500.0	517.8	103.6
cal 8	8	✓	1000.0	990.9	99.1

Compound Calibration Report

Batch results D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin
Last Cal. Update 10/24/2019 12:45 PM
Analyst Name ISP\datastor
Analyte alpha-PVP *Byylee*
Internal Standard alpha-PVP-d8

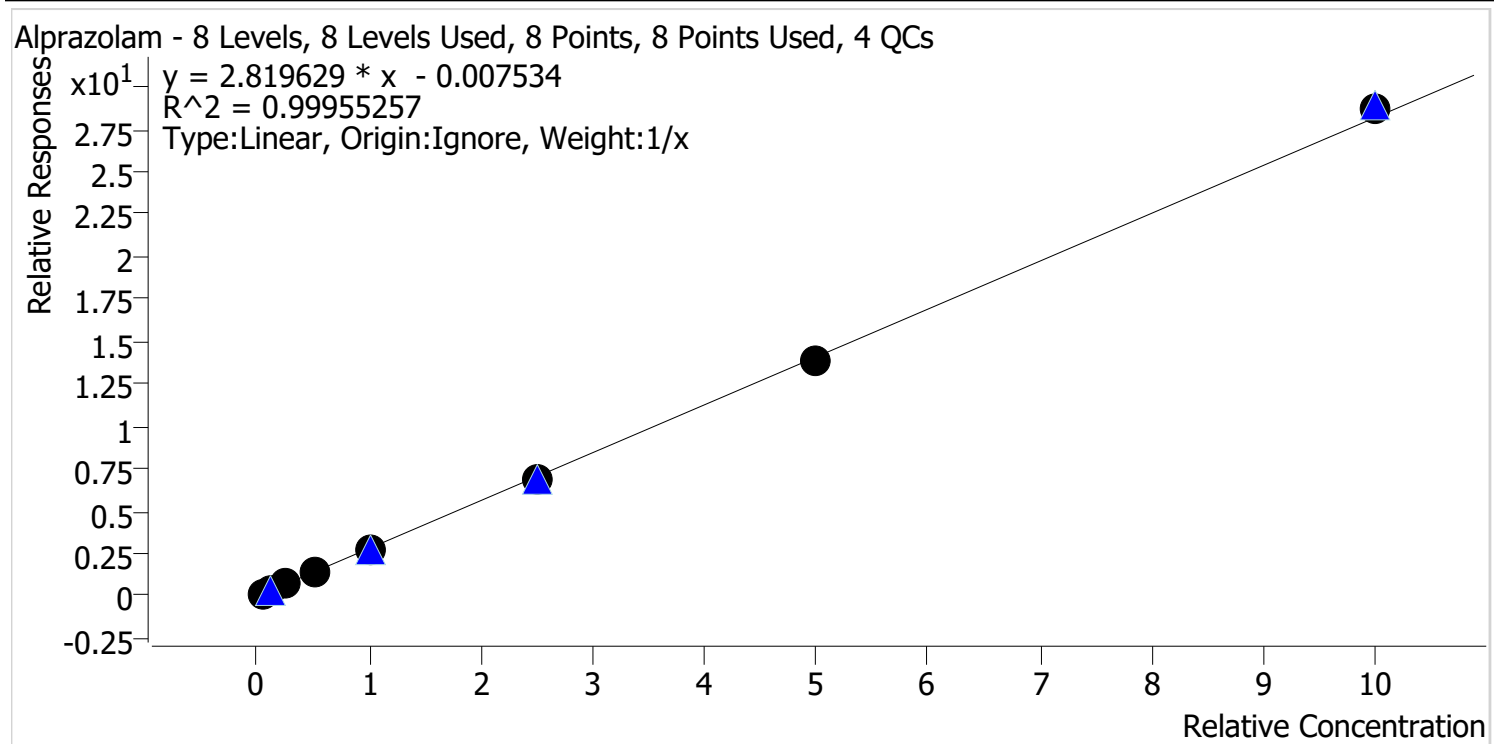
alpha-PVP - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	5.3	106.0
cal 2	2	✓	10.0	9.9	98.5
cal 3	3	✓	25.0	24.8	99.0
cal 4	4	✓	50.0	49.6	99.1
cal 5	5	✓	100.0	96.9	96.9
cal 6	6	✓	250.0	250.3	100.1
cal 7	7	✓	500.0	500.3	100.1
cal 8	8	✓	1000.0	1003.0	100.3

Compound Calibration Report

Batch results D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin
Last Cal. Update 10/24/2019 12:45 PM
Analyst Name ISP\datastor
Analyte Alprazolam *BWylee*
Internal Standard Alprazolam-D5

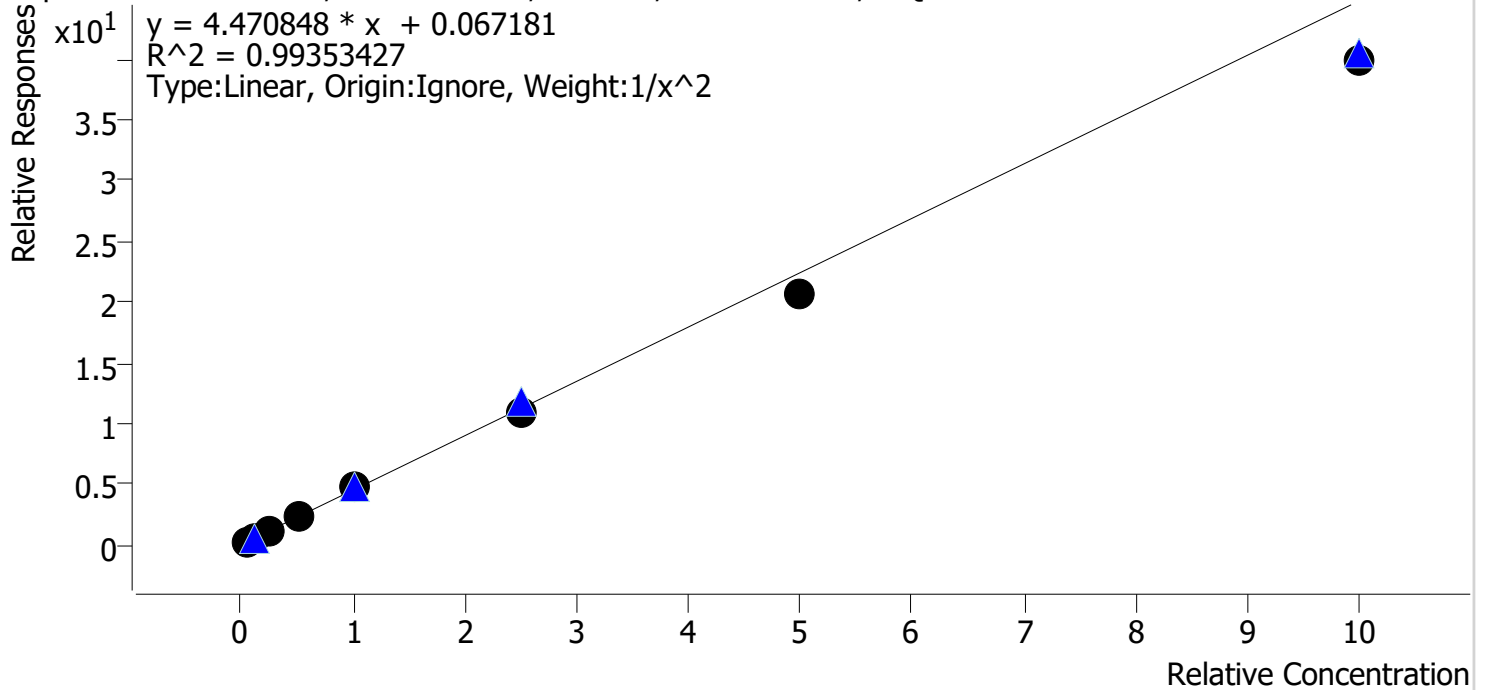


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	5.4	107.2
cal 2	2	✓	10.0	10.3	103.2
cal 3	3	✓	25.0	24.3	97.1
cal 4	4	✓	50.0	49.1	98.1
cal 5	5	✓	100.0	95.4	95.4
cal 6	6	✓	250.0	247.5	99.0
cal 7	7	✓	500.0	490.6	98.1
cal 8	8	✓	1000.0	1017.5	101.7

Compound Calibration Report

Batch results D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin
Last Cal. Update 10/24/2019 12:45 PM
Analyst Name ISP\datastor
Analyte Amphetamine *Bylee*
Internal Standard Amphetamine-D11

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



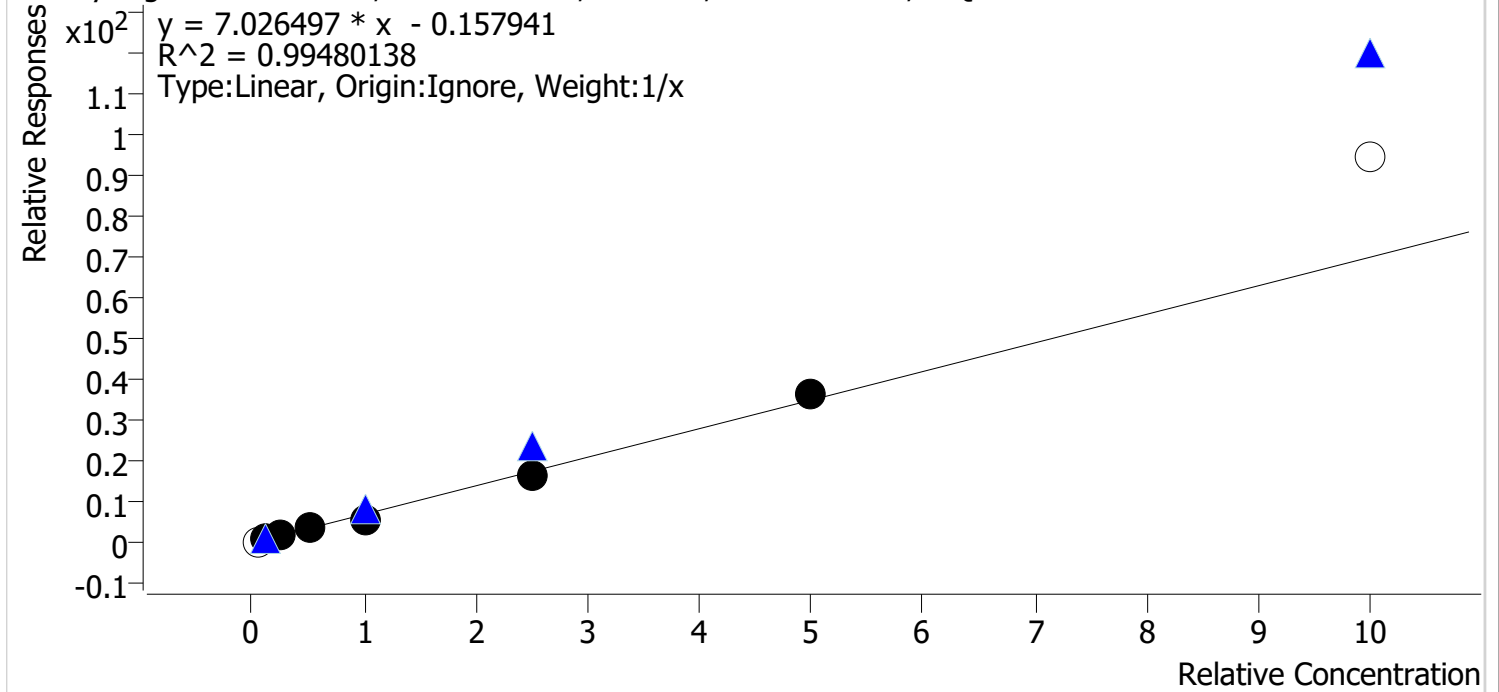
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	4.8	95.9
cal 2	2	✓	10.0	10.3	103.4
cal 3	3	✓	25.0	26.9	107.8
cal 4	4	✓	50.0	53.9	107.9
cal 5	5	✓	100.0	104.8	104.8
cal 6	6	✓	250.0	245.7	98.3
cal 7	7	✓	500.0	463.4	92.7
cal 8	8	✓	1000.0	893.7	89.4

Compound Calibration Report

Batch results D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin
Last Cal. Update 10/24/2019 12:45 PM
Analyst Name ISP\datastor
Analyte Benzoylecgonine **Internal Standard** Benzoylecgonine-d8

Byylee

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



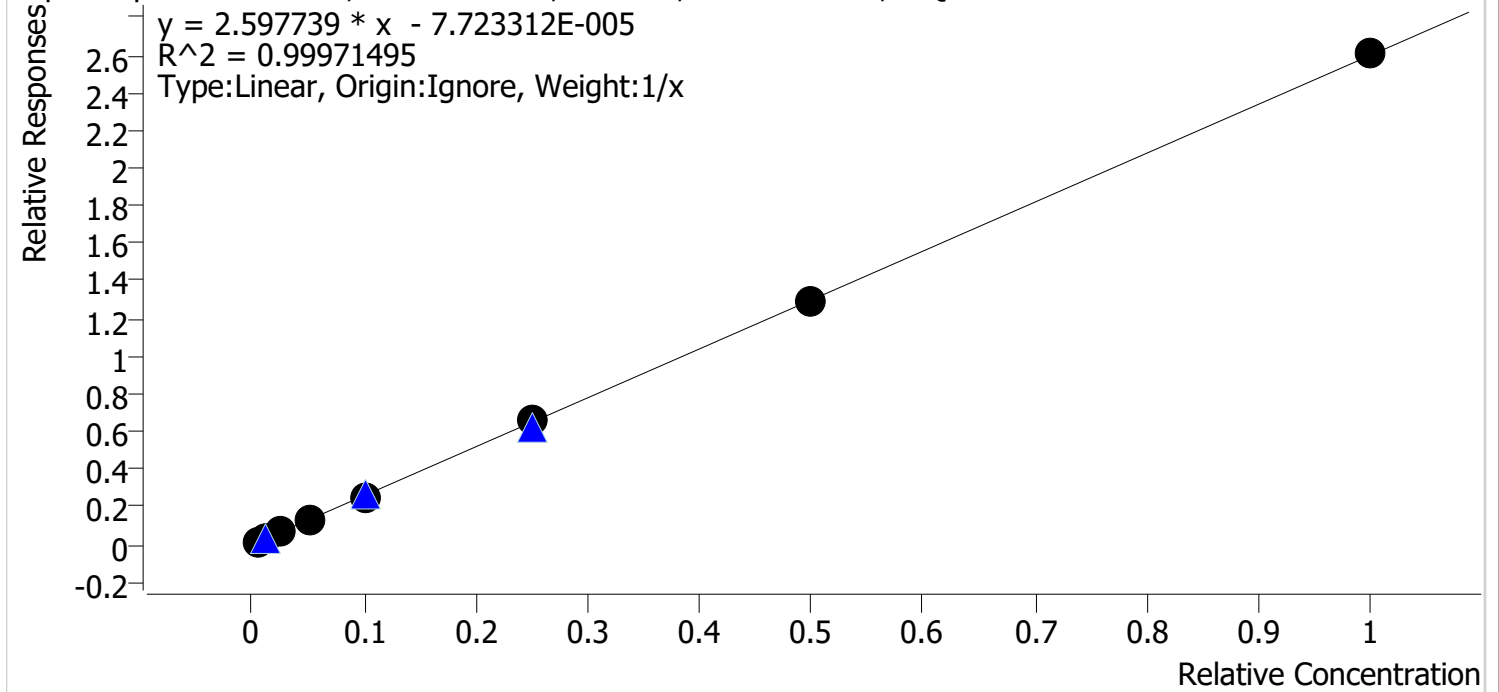
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	x	5.0	4.3	85.5
cal 2	2	✓	10.0	10.2	101.8
cal 3	3	✓	25.0	25.9	103.6
cal 4	4	✓	50.0	54.7	109.4
cal 5	5	✓	100.0	85.8	85.8
cal 6	6	✓	250.0	238.5	95.4
cal 7	7	✓	500.0	519.9	104.0
cal 8	8	x	1000.0	1355.7	135.6

Compound Calibration Report

Batch results D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin
Last Cal. Update 10/24/2019 12:45 PM
Analyst Name ISP\datastor
Analyte Buprenorphine *Bylee*

Internal Standard Buprenorphine-D4

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

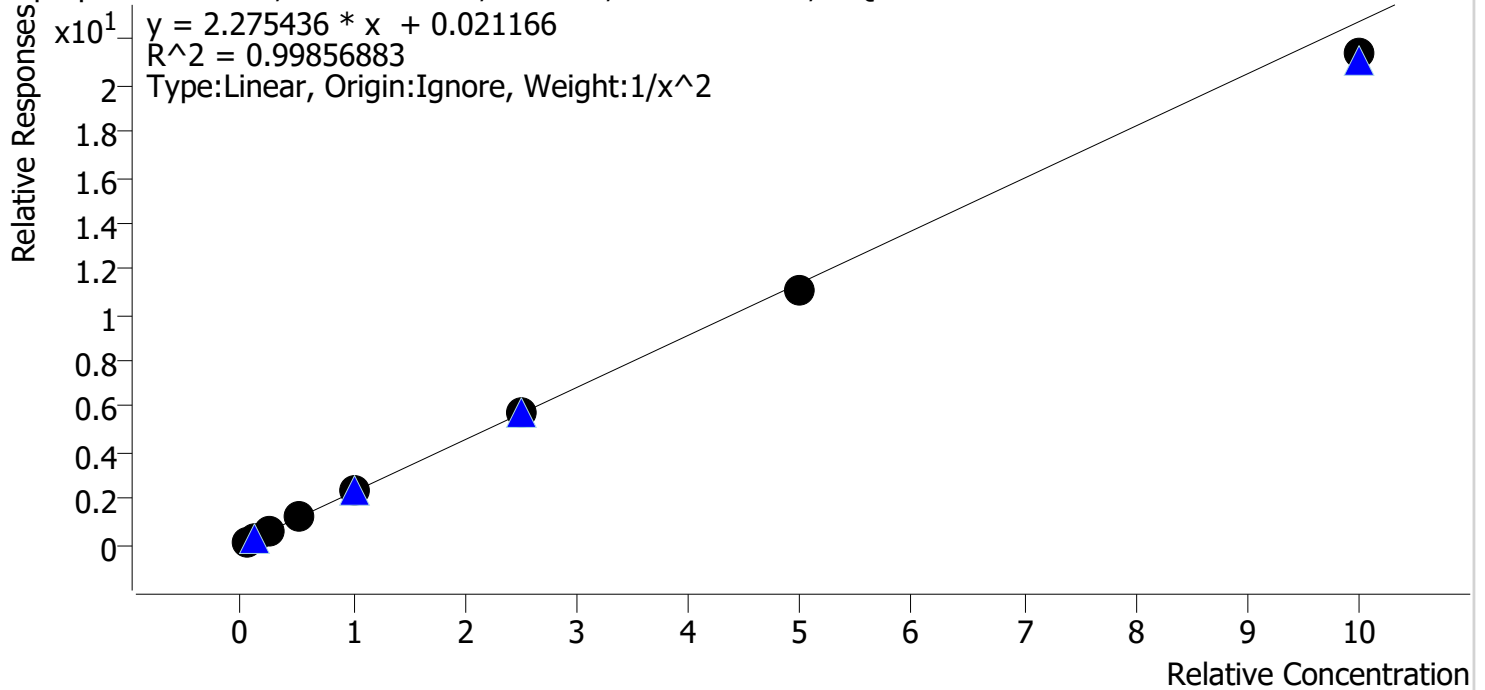


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	0.5	0.6	114.5
cal 2	2	✓	1.0	1.0	95.7
cal 3	3	✓	2.5	2.4	94.9
cal 4	4	✓	5.0	4.7	94.2
cal 5	5	✓	10.0	9.9	99.2
cal 6	6	✓	25.0	25.5	102.0
cal 7	7	✓	50.0	49.6	99.2
cal 8	8	✓	100.0	100.4	100.4

Compound Calibration Report

Batch results D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin
Last Cal. Update 10/24/2019 12:45 PM
Analyst Name ISP\datastor *Byylee*
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
cal 1	1	✓	5.0	4.9	98.6
cal 2	2	✓	10.0	10.1	101.2
cal 3	3	✓	25.0	25.4	101.5
cal 4	4	✓	50.0	52.4	104.8
cal 5	5	✓	100.0	101.8	101.8
cal 6	6	✓	250.0	251.6	100.6
cal 7	7	✓	500.0	488.1	97.6
cal 8	8	✓	1000.0	938.7	93.9

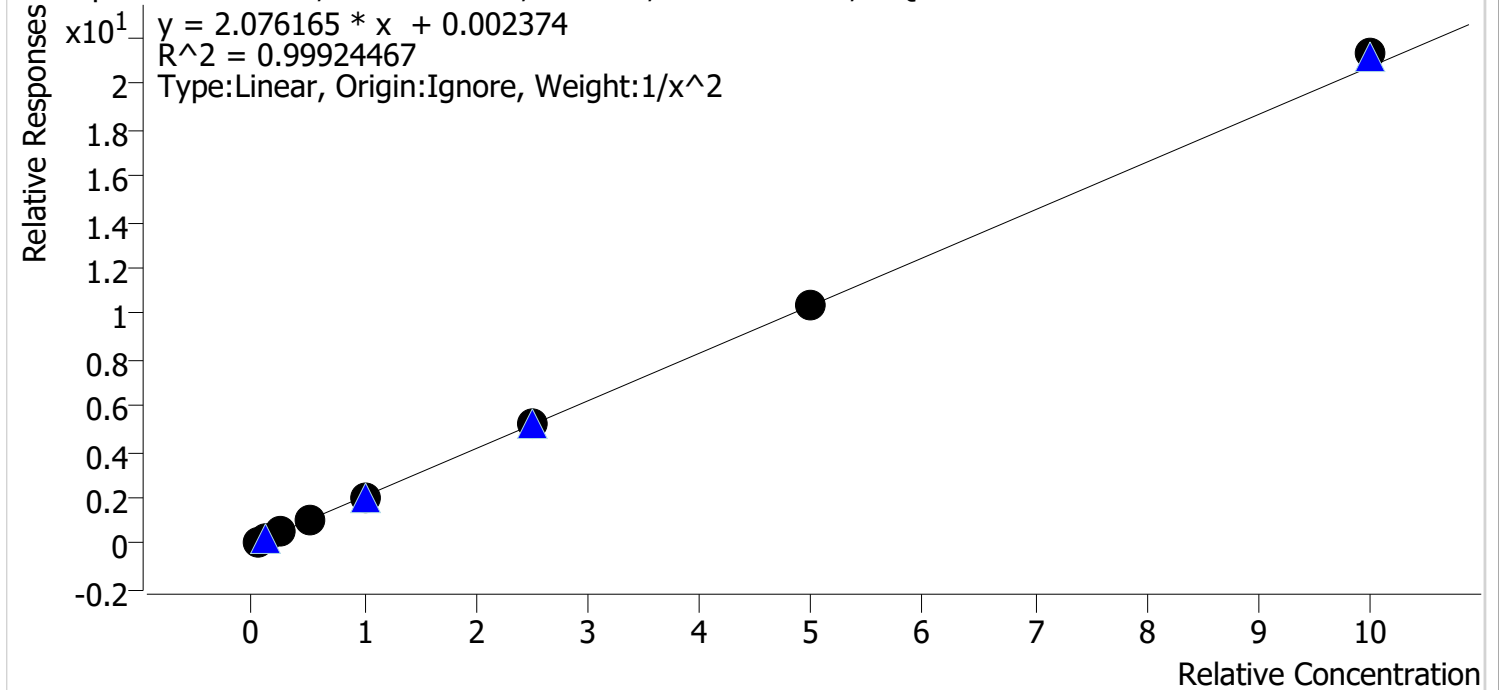
Compound Calibration Report

Batch results D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin
Last Cal. Update 10/24/2019 12:45 PM
Analyst Name ISP\datastor
Analyte Carisoprodol *Byylee*

Internal Standard

Carisoprodol-D7

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



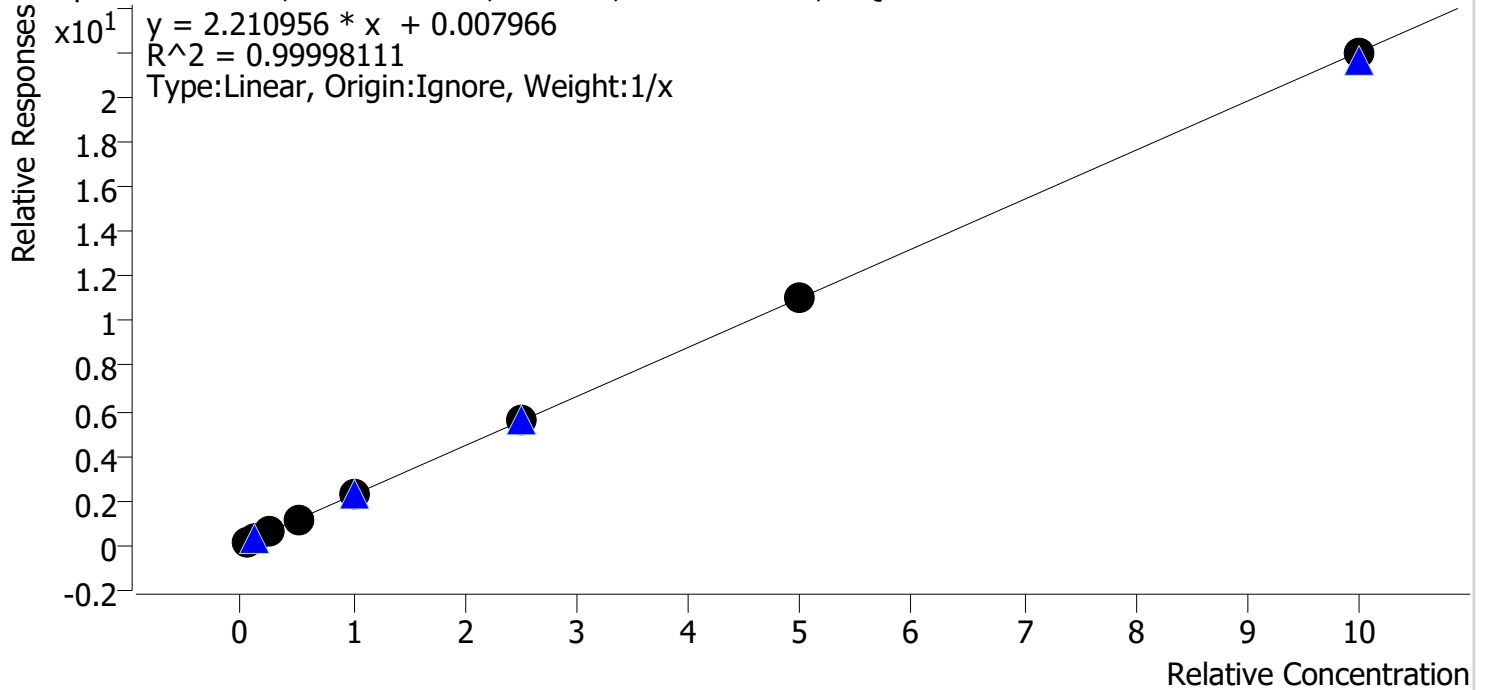
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	5.0	99.5
cal 2	2	✓	10.0	10.2	102.5
cal 3	3	✓	25.0	24.4	97.5
cal 4	4	✓	50.0	49.6	99.3
cal 5	5	✓	100.0	96.2	96.2
cal 6	6	✓	250.0	255.0	102.0
cal 7	7	✓	500.0	501.9	100.4
cal 8	8	✓	1000.0	1027.6	102.8

Compound Calibration Report

Batch results D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin
Last Cal. Update 10/24/2019 12:45 PM
Analyst Name ISP\datastor
Analyte Citalopram *Byylee*

Internal Standard Citalopram-D6

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	5.0	99.4
cal 2	2	✓	10.0	9.9	98.7
cal 3	3	✓	25.0	25.1	100.6
cal 4	4	✓	50.0	50.4	100.7
cal 5	5	✓	100.0	100.0	100.0
cal 6	6	✓	250.0	251.7	100.7
cal 7	7	✓	500.0	501.4	100.3
cal 8	8	✓	1000.0	996.5	99.7

10-500

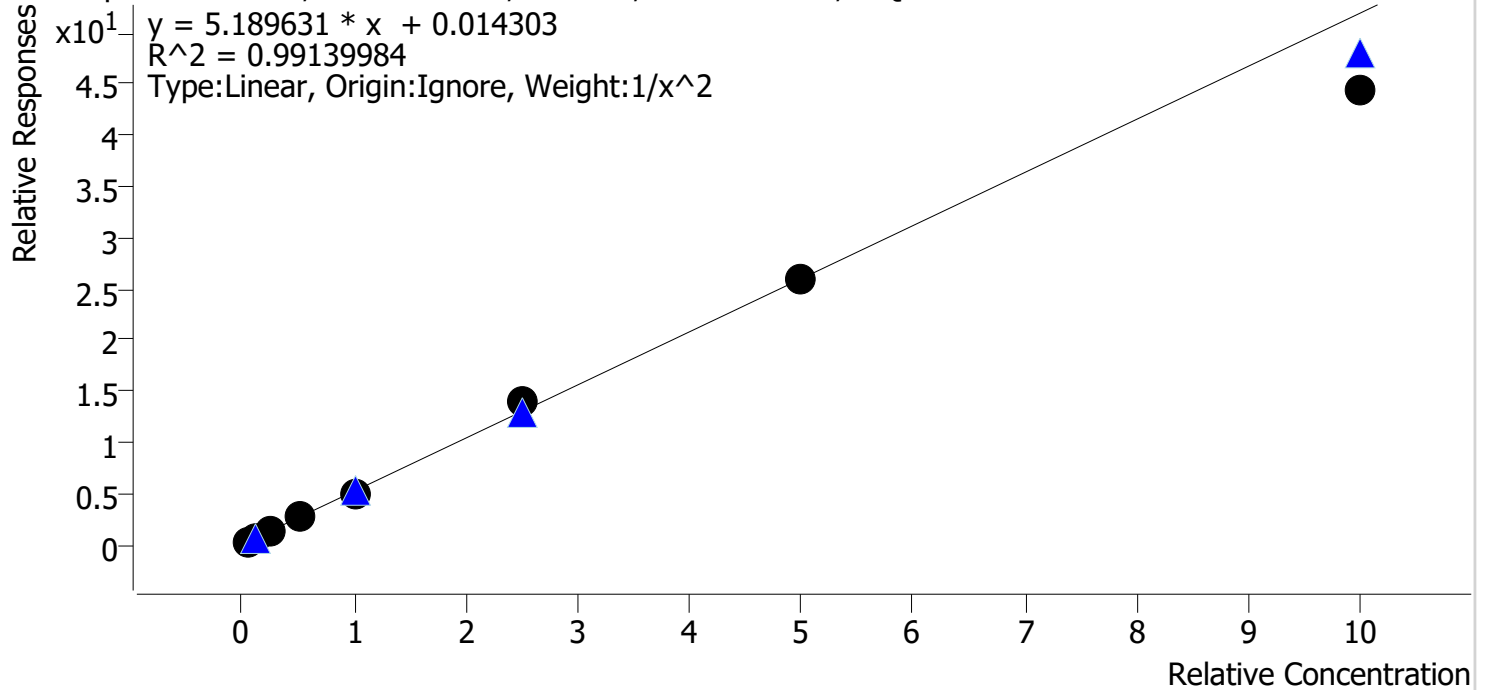
Compound Calibration Report

Batch results D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin
Last Cal. Update 10/24/2019 12:45 PM
Analyst Name ISP\datastor
Analyte Clonazepam *Byylee*

Internal Standard

Clonazepam-D4

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

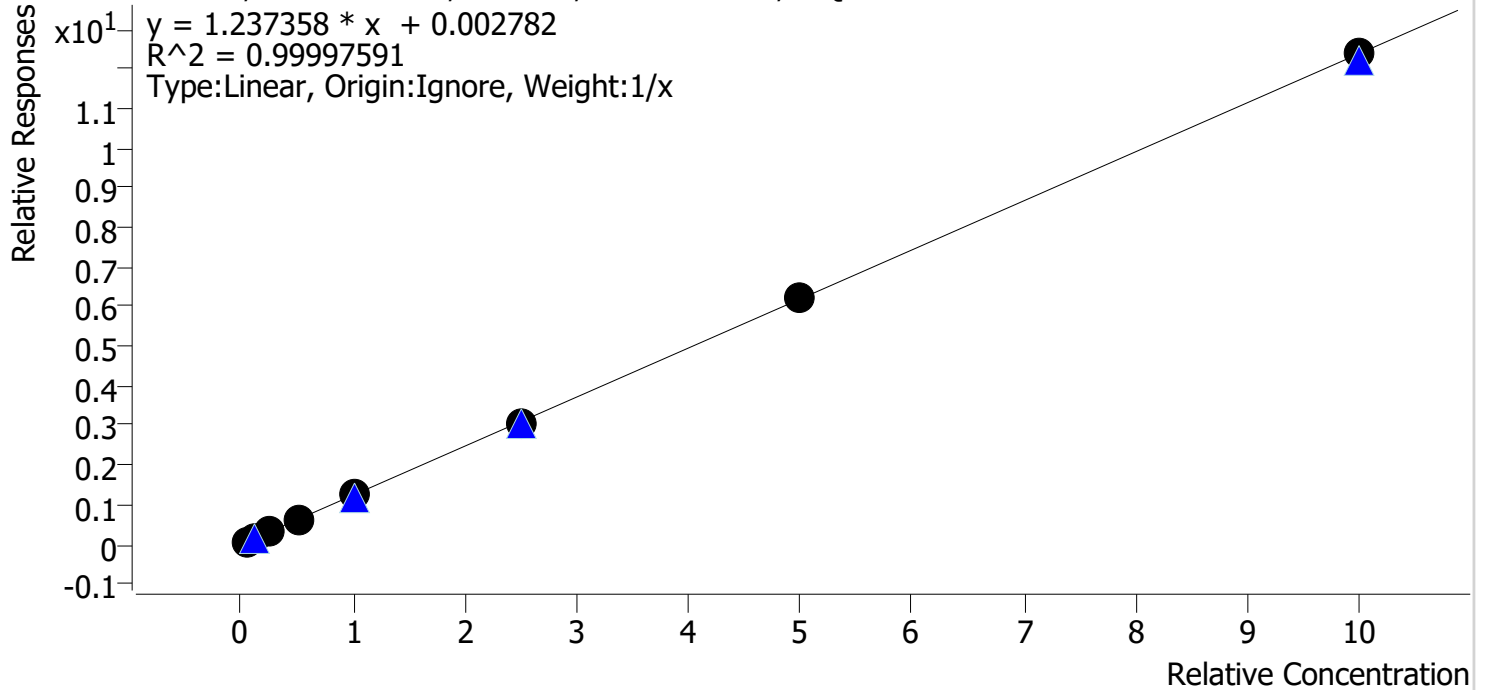


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	4.8	95.6
cal 2	2	✓	10.0	10.4	104.1
cal 3	3	✓	25.0	27.7	110.9
cal 4	4	✓	50.0	51.8	103.7
cal 5	5	✓	100.0	94.3	94.3
cal 6	6	✓	250.0	266.5	106.6
cal 7	7	✓	500.0	496.2	99.2
cal 8	8	✓	1000.0	854.7	85.5

Compound Calibration Report

Batch results D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin
Last Cal. Update 10/24/2019 12:45 PM
Analyst Name ISP\datastor
Analyte Cocaine *B. Wylee*
Internal Standard Cocaine-d3

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



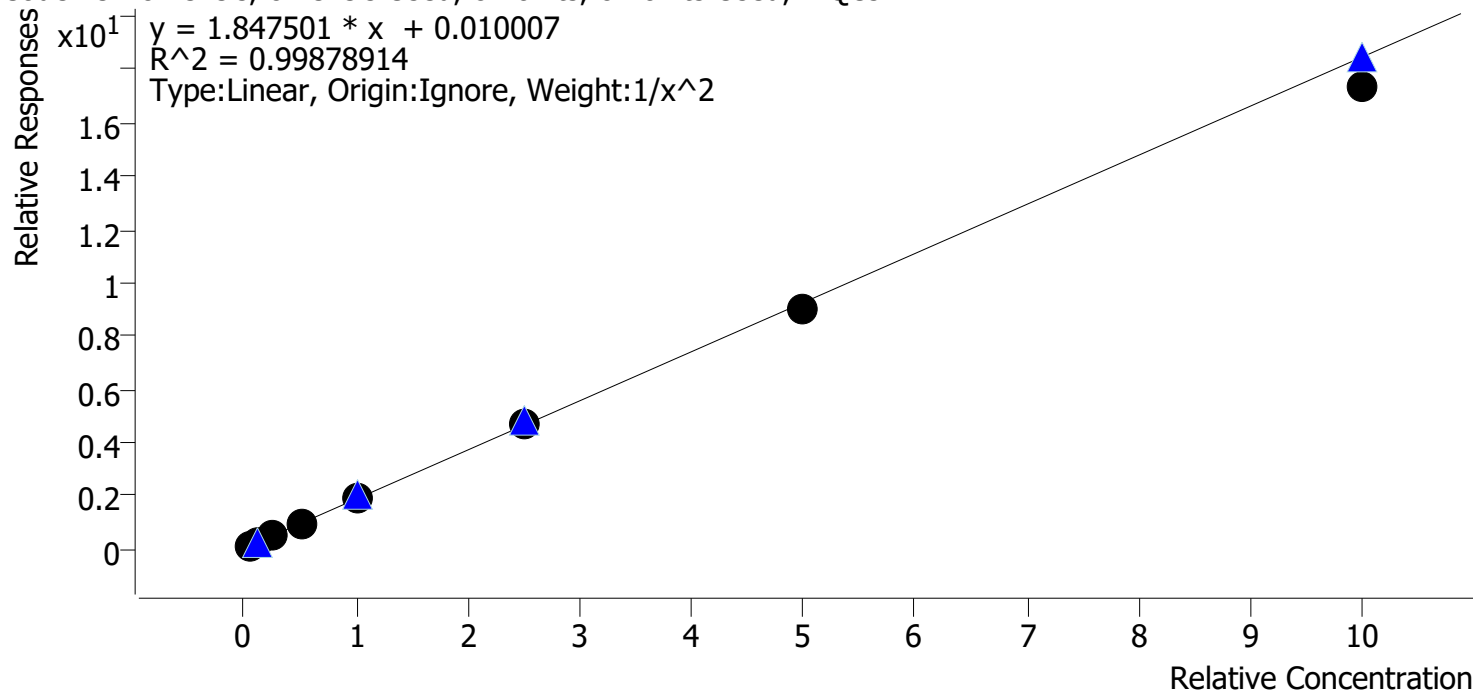
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	5.1	101.3
cal 2	2	✓	10.0	10.0	100.2
cal 3	3	✓	25.0	24.8	99.1
cal 4	4	✓	50.0	50.4	100.8
cal 5	5	✓	100.0	98.7	98.7
cal 6	6	✓	250.0	248.5	99.4
cal 7	7	✓	500.0	502.4	100.5
cal 8	8	✓	1000.0	1000.1	100.0

Compound Calibration Report

Batch results D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin
Last Cal. Update 10/24/2019 12:45 PM
Analyst Name ISP\datastor
Analyte Codeine *BWylee*

Internal Standard Codeine-D6

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

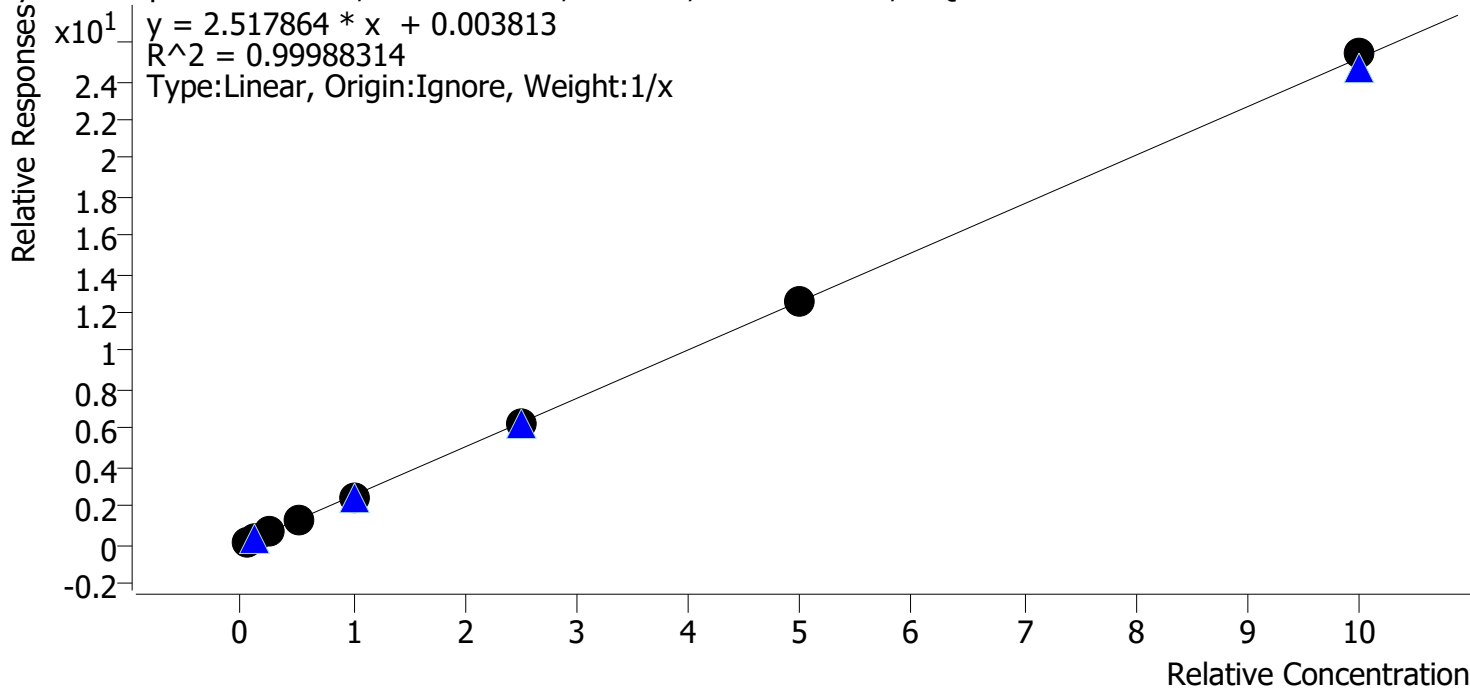


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	4.9	98.7
cal 2	2	✓	10.0	10.1	101.0
cal 3	3	✓	25.0	25.6	102.4
cal 4	4	✓	50.0	50.8	101.6
cal 5	5	✓	100.0	103.1	103.1
cal 6	6	✓	250.0	254.0	101.6
cal 7	7	✓	500.0	487.4	97.5
cal 8	8	✓	1000.0	941.2	94.1

Compound Calibration Report

Batch results D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin
Last Cal. Update 10/24/2019 12:45 PM
Analyst Name ISP\datastor
Analyte Cyclobenzaprine *B. Wylee*
Internal Standard Cyclobenzaprine-D3

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



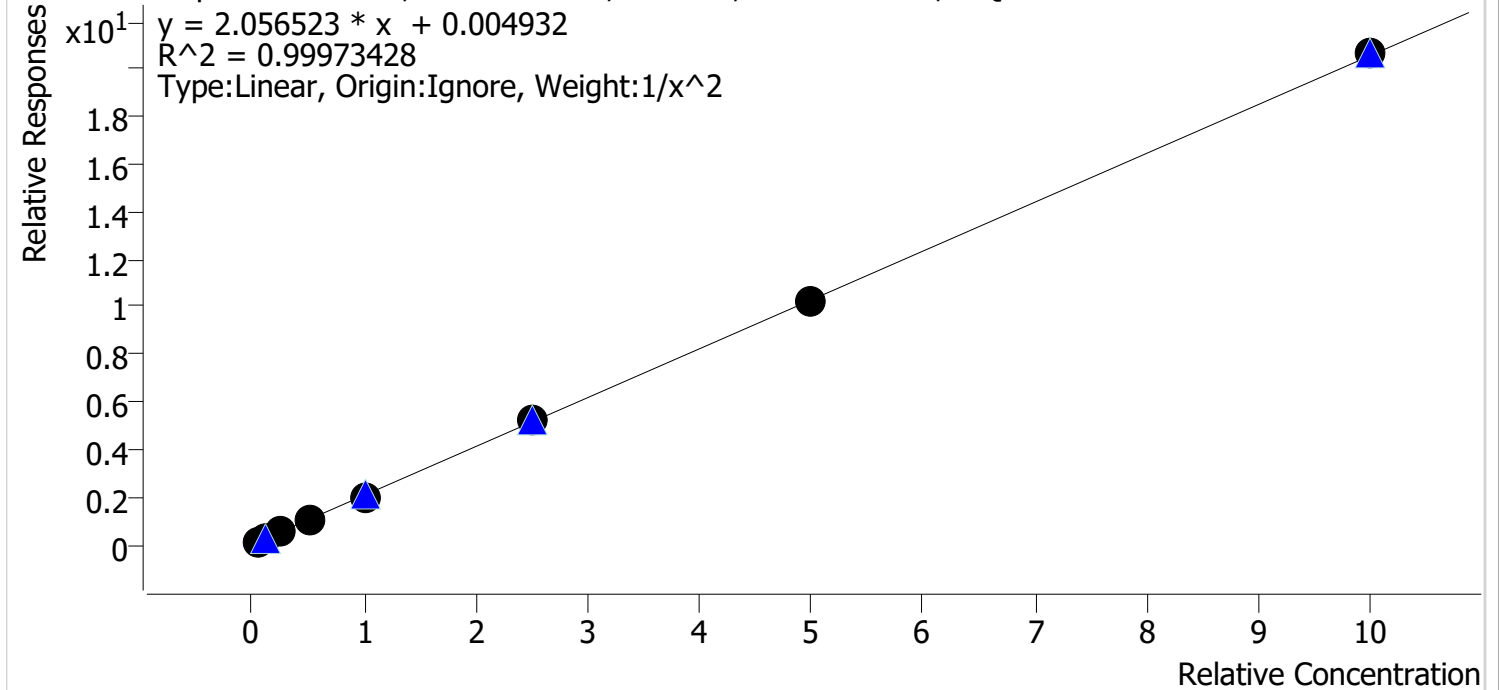
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	5.0	100.9
cal 2	2	✓	10.0	10.2	102.1
cal 3	3	✓	25.0	25.1	100.4
cal 4	4	✓	50.0	49.7	99.4
cal 5	5	✓	100.0	98.7	98.7
cal 6	6	✓	250.0	246.1	98.4
cal 7	7	✓	500.0	495.8	99.2
cal 8	8	✓	1000.0	1009.3	100.9

Compound Calibration Report

Batch results D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin
Last Cal. Update 10/24/2019 12:45 PM
Analyst Name ISP\datastor
Analyte Dextromethorphan **Internal Standard** Dextromethorphan-D3

Byylee

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	5.0	99.4
cal 2	2	✓	10.0	10.1	101.0
cal 3	3	✓	25.0	25.1	100.4
cal 4	4	✓	50.0	51.0	102.0
cal 5	5	✓	100.0	97.4	97.4
cal 6	6	✓	250.0	251.6	100.6
cal 7	7	✓	500.0	494.1	98.8
cal 8	8	✓	1000.0	1004.3	100.4

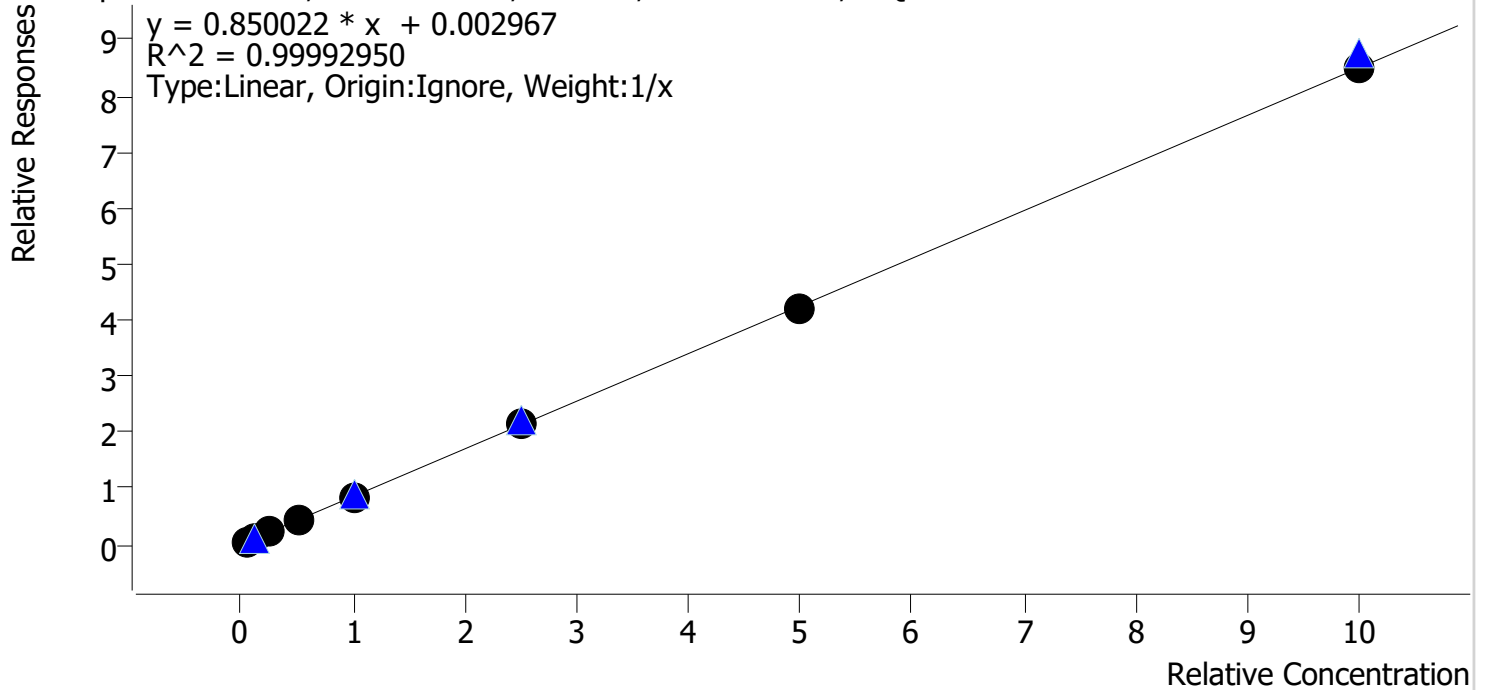
Compound Calibration Report

Batch results D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin
Last Cal. Update 10/24/2019 12:45 PM
Analyst Name ISP\datastor
Analyte Dextrorphan *Bylee*

Internal Standard

Dextrorphan-D3

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



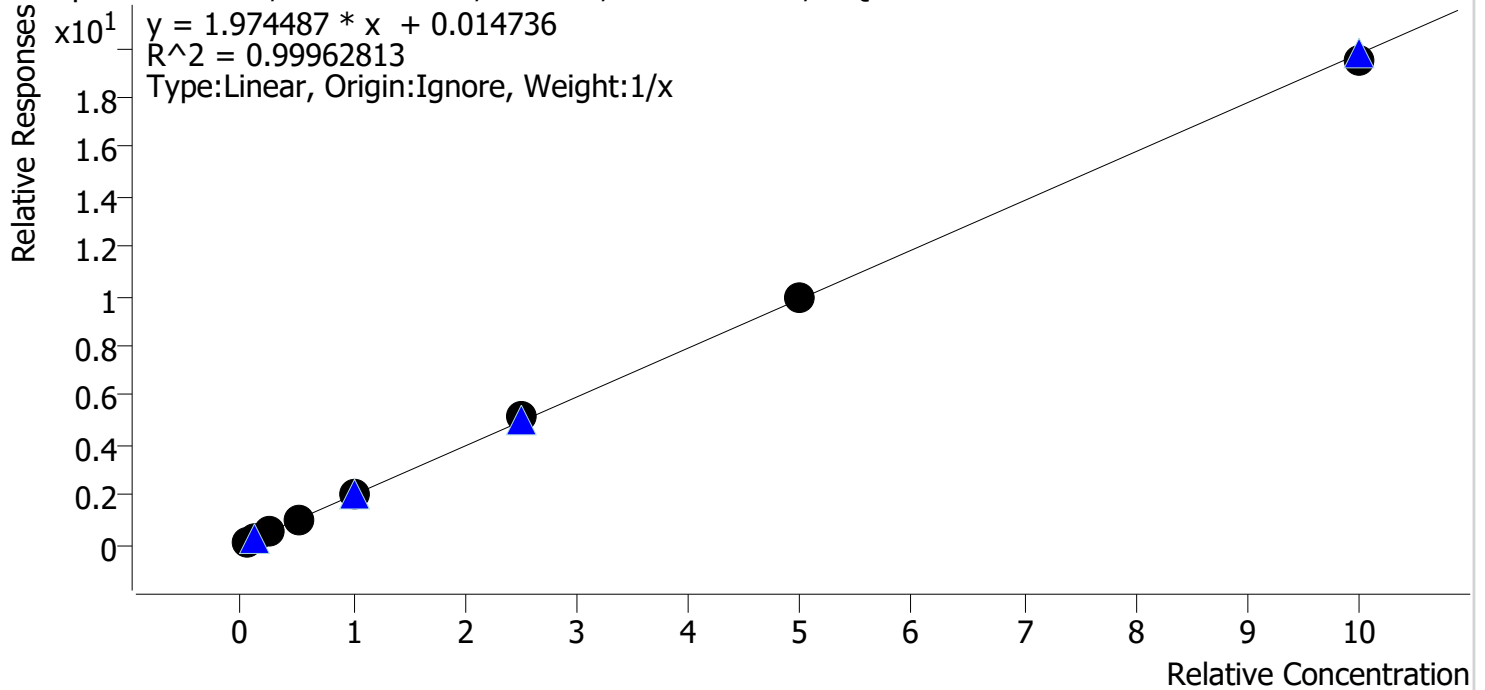
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	4.9	98.1
cal 2	2	✓	10.0	9.9	99.5
cal 3	3	✓	25.0	25.2	100.9
cal 4	4	✓	50.0	51.5	103.1
cal 5	5	✓	100.0	98.7	98.7
cal 6	6	✓	250.0	250.9	100.4
cal 7	7	✓	500.0	495.4	99.1
cal 8	8	✓	1000.0	1003.3	100.3

Compound Calibration Report

Batch results D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin
Last Cal. Update 10/24/2019 12:45 PM
Analyst Name ISP\datastor
Analyte Diazepam *BWylee*

Internal Standard Diazepam-D5

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

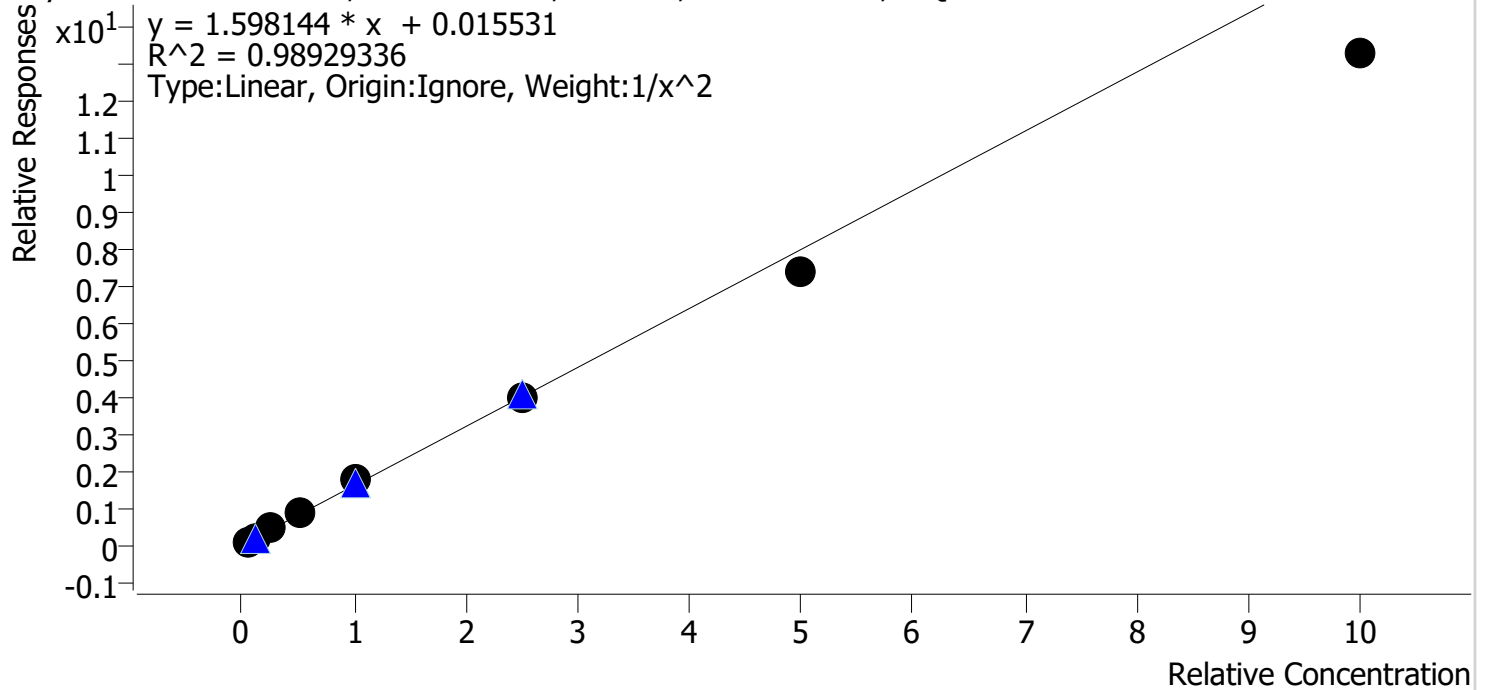


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	4.9	98.8
cal 2	2	✓	10.0	9.5	95.2
cal 3	3	✓	25.0	25.2	100.8
cal 4	4	✓	50.0	51.5	103.1
cal 5	5	✓	100.0	99.0	99.0
cal 6	6	✓	250.0	259.3	103.7
cal 7	7	✓	500.0	504.4	100.9
cal 8	8	✓	1000.0	986.1	98.6

Compound Calibration Report

Batch results D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin
Last Cal. Update 10/24/2019 12:45 PM
Analyst Name ISP\datastor *B. Wylee*
Analyte Dihydrocodeine **Internal Standard** Dihydrocodeine-D6

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

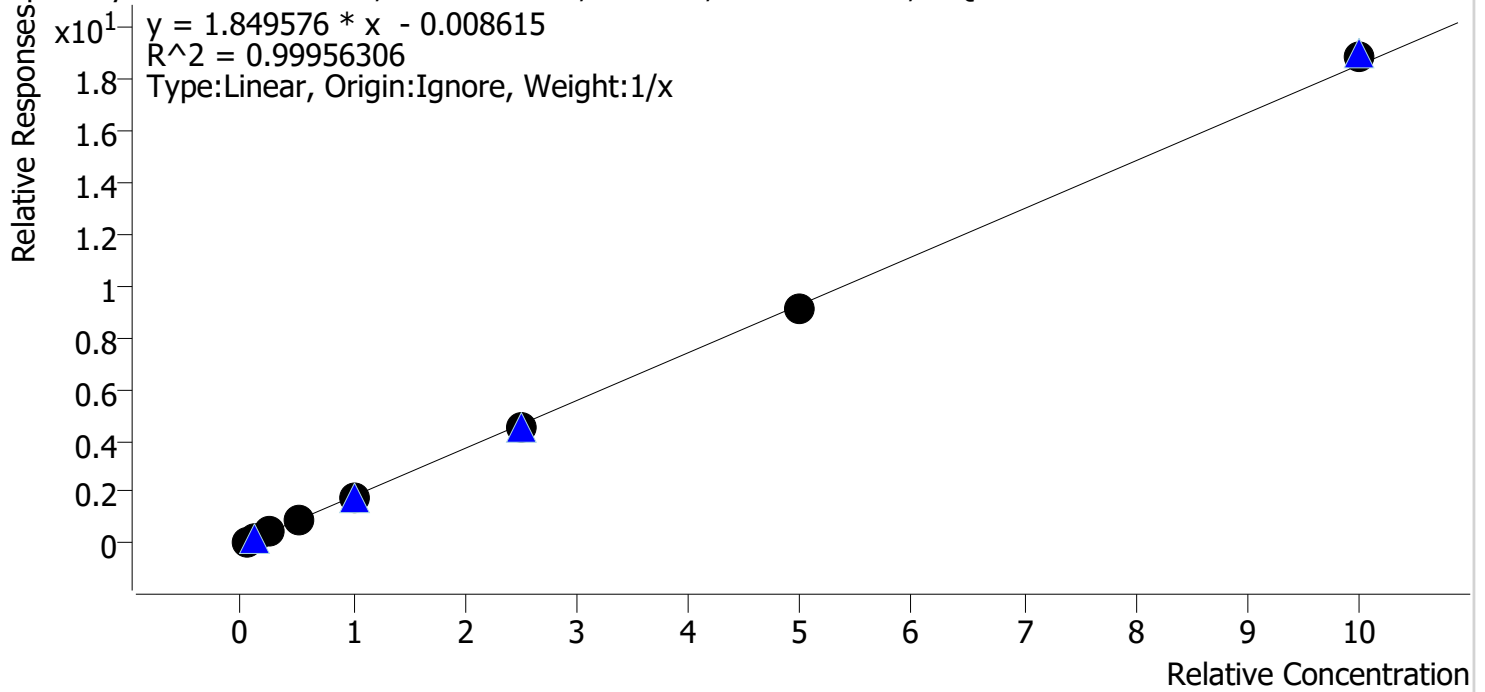


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	4.8	96.5
cal 2	2	✓	10.0	10.1	101.5
cal 3	3	✓	25.0	26.9	107.5
cal 4	4	✓	50.0	55.3	110.5
cal 5	5	✓	100.0	107.4	107.4
cal 6	6	✓	250.0	251.4	100.6
cal 7	7	✓	500.0	464.6	92.9
cal 8	8	✓	1000.0	831.5	83.2

Compound Calibration Report

Batch results D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin
Last Cal. Update 10/24/2019 12:45 PM
Analyst Name ISP\datastor
Analyte Diphenhydramine *BWylee*
Internal Standard Diphenhydramine-D3

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



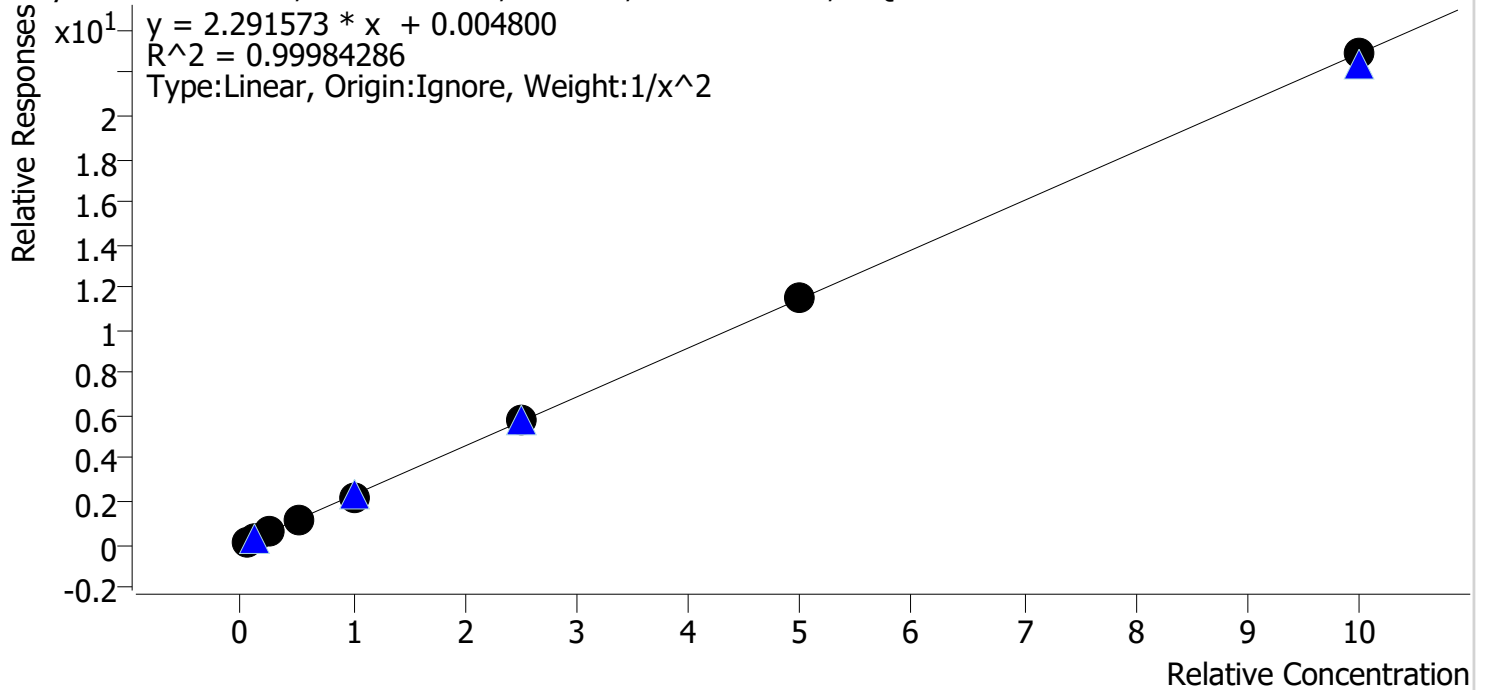
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	5.4	107.3
cal 2	2	✓	10.0	10.2	101.9
cal 3	3	✓	25.0	24.7	98.9
cal 4	4	✓	50.0	49.4	98.7
cal 5	5	✓	100.0	94.9	94.9
cal 6	6	✓	250.0	244.7	97.9
cal 7	7	✓	500.0	494.0	98.8
cal 8	8	✓	1000.0	1016.8	101.7

Compound Calibration Report

Batch results D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdq1 102219.batch.bin
Last Cal. Update 10/24/2019 12:45 PM
Analyst Name ISP\datastor
Analyte Doxylamine *Bylee*

Internal Standard Doxylamine-D5

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



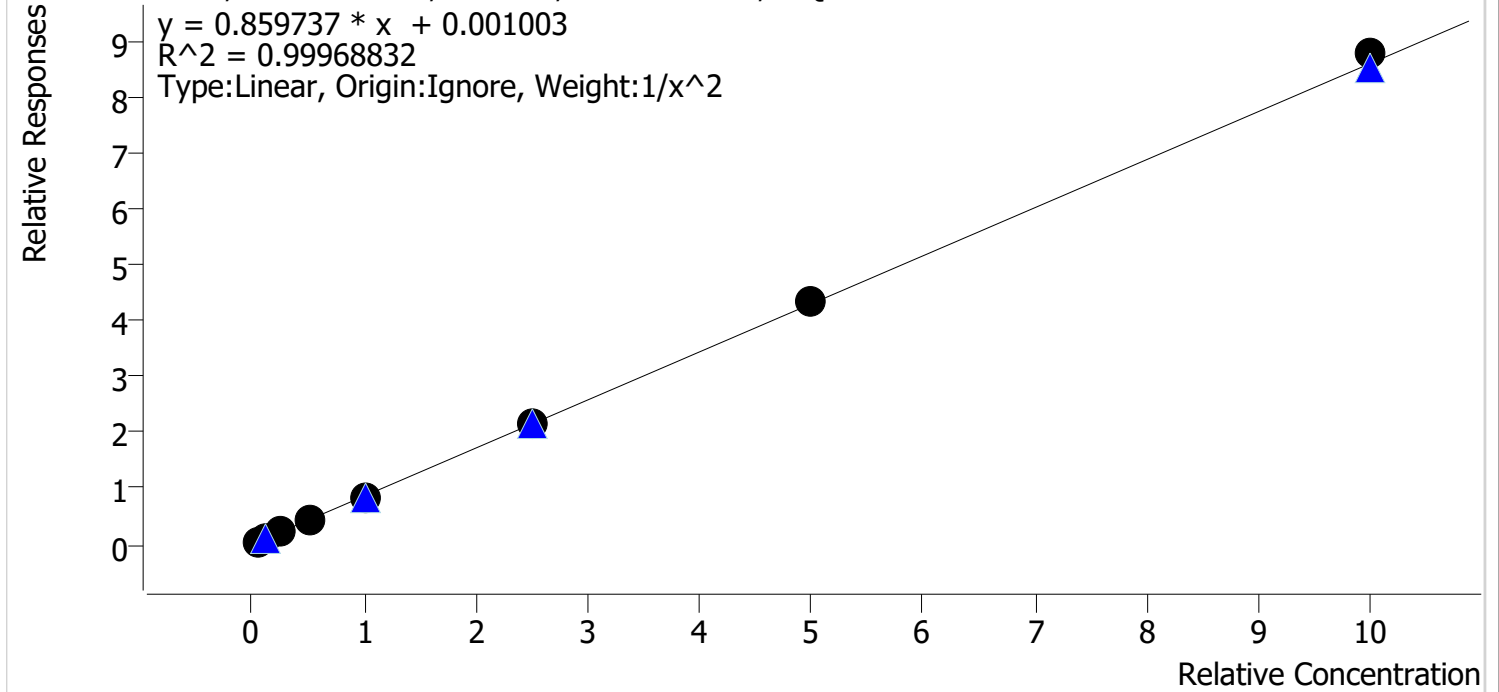
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	5.0	100.0
cal 2	2	✓	10.0	10.0	100.2
cal 3	3	✓	25.0	24.8	99.2
cal 4	4	✓	50.0	50.7	101.5
cal 5	5	✓	100.0	97.9	97.9
cal 6	6	✓	250.0	250.4	100.2
cal 7	7	✓	500.0	505.1	101.0
cal 8	8	✓	1000.0	999.6	100.0

Compound Calibration Report

Batch results D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin
Last Cal. Update 10/24/2019 12:45 PM
Analyst Name ISP\datastor
Analyte EDDP Internal Standard EDDP-D3

Byles

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

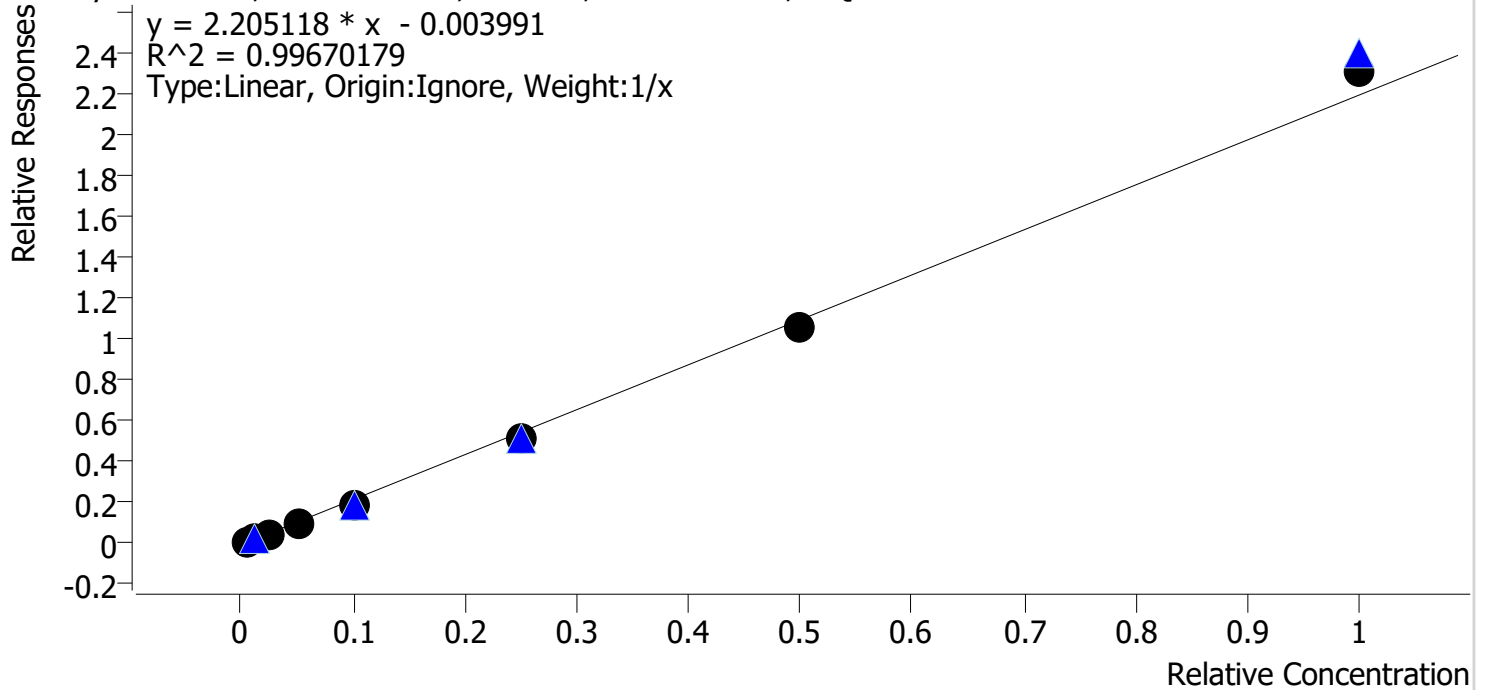


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	5.1	101.3
cal 2	2	✓	10.0	9.8	98.3
cal 3	3	✓	25.0	24.5	98.0
cal 4	4	✓	50.0	49.8	99.7
cal 5	5	✓	100.0	99.2	99.2
cal 6	6	✓	250.0	249.6	99.8
cal 7	7	✓	500.0	508.3	101.7
cal 8	8	✓	1000.0	1020.7	102.1

Compound Calibration Report

Batch results D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin
Last Cal. Update 10/24/2019 12:45 PM
Analyst Name ISP\datastor
Analyte Fentanyl *B. Wylee*
Internal Standard Fentanyl-D5

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



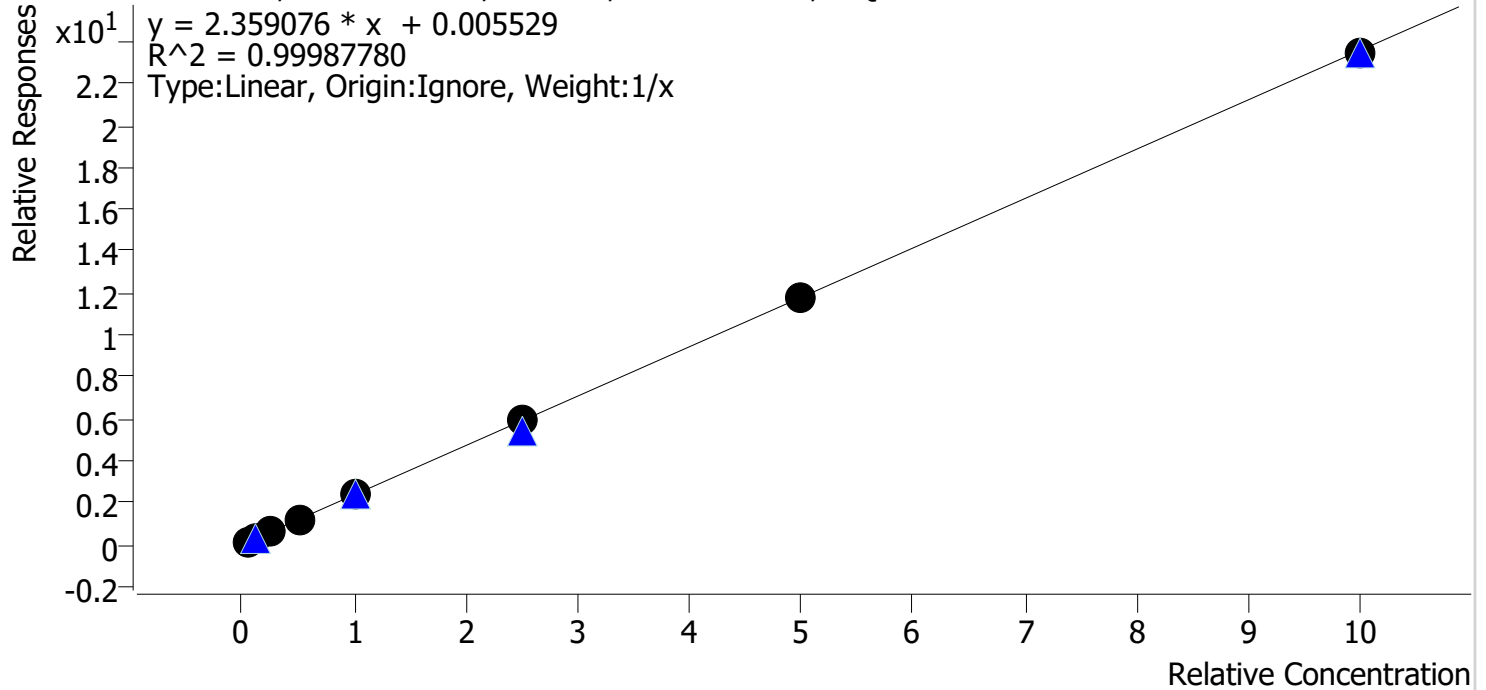
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	0.5	0.6	125.3
cal 2	2	✓	1.0	1.0	103.6
cal 3	3	✓	2.5	2.4	94.7
cal 4	4	✓	5.0	4.6	92.3
cal 5	5	✓	10.0	8.9	89.4
cal 6	6	✓	25.0	23.4	93.4
cal 7	7	✓	50.0	48.2	96.5
cal 8	8	✓	100.0	104.8	104.8

Compound Calibration Report

Batch results D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin
Last Cal. Update 10/24/2019 12:45 PM
Analyst Name ISP\datastor
Analyte Fluoxetine *B. Wylee*

Internal Standard Fluoxetine-D6

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



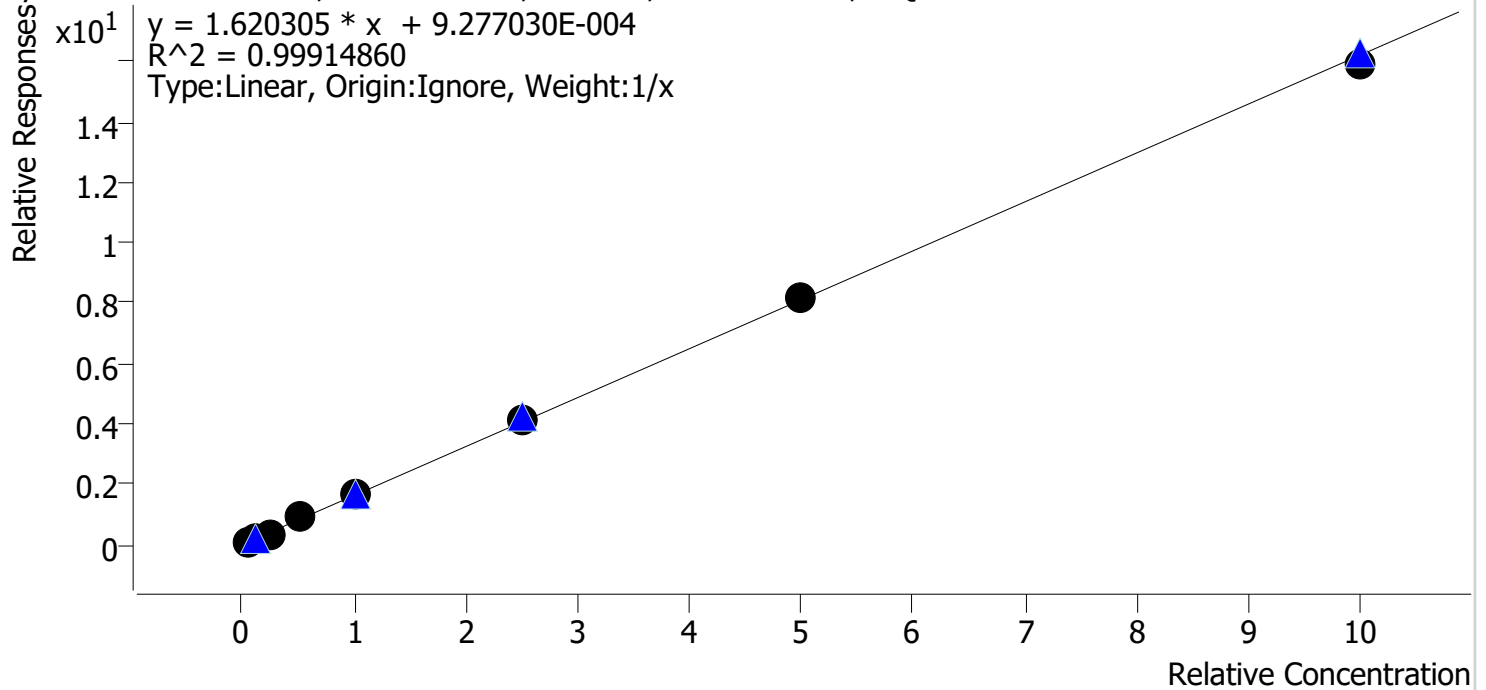
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	5.1	101.8
cal 2	2	✓	10.0	10.2	101.8
cal 3	3	✓	25.0	24.0	96.1
cal 4	4	✓	50.0	49.1	98.3
cal 5	5	✓	100.0	100.2	100.2
cal 6	6	✓	250.0	255.0	102.0
cal 7	7	✓	500.0	502.8	100.6
cal 8	8	✓	1000.0	993.6	99.4

Compound Calibration Report

Batch results D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin
Last Cal. Update 10/24/2019 12:45 PM
Analyst Name ISP\datastor
Analyte Hydrocodone *Bylee*

Internal Standard Hydrocodone-D6

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



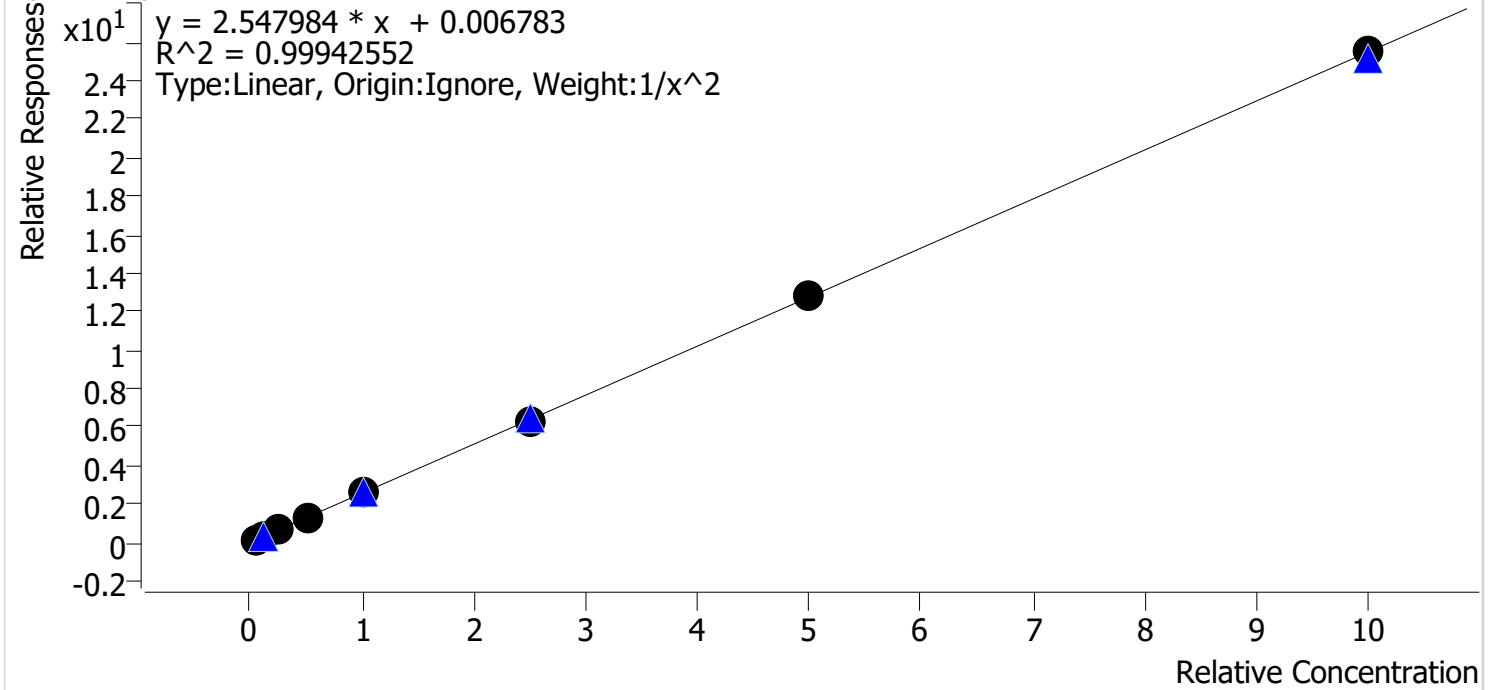
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	5.4	107.3
cal 2	2	✓	10.0	8.8	87.7
cal 3	3	✓	25.0	22.6	90.5
cal 4	4	✓	50.0	53.9	107.7
cal 5	5	✓	100.0	105.1	105.1
cal 6	6	✓	250.0	255.0	102.0
cal 7	7	✓	500.0	507.5	101.5
cal 8	8	✓	1000.0	981.8	98.2

Compound Calibration Report

Batch results D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin
Last Cal. Update 10/24/2019 12:45 PM
Analyst Name ISP\datastor
Analyte Hydromorphone *B. Wylee*

Internal Standard Hydromorphone-D6

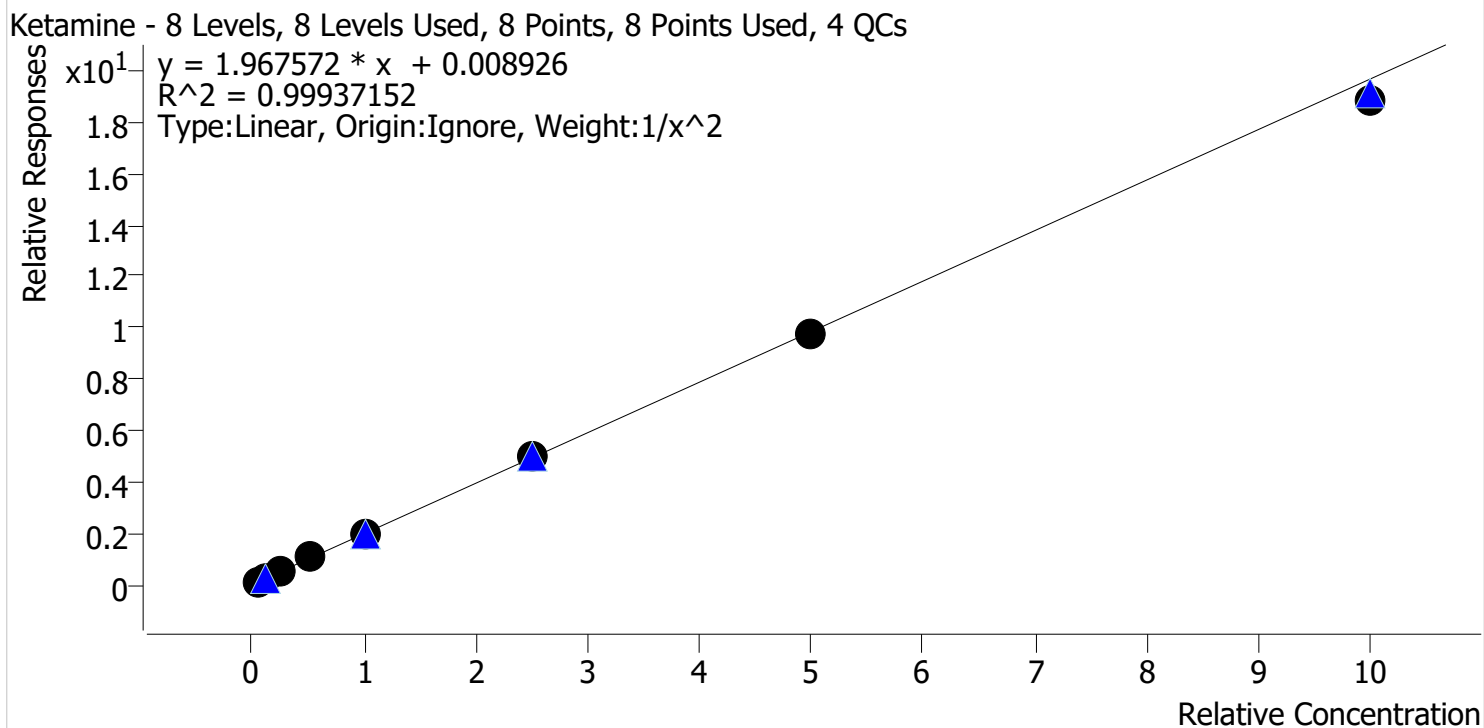
Hydromorphone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	5.0	99.6
cal 2	2	✓	10.0	9.9	99.0
cal 3	3	✓	25.0	26.1	104.4
cal 4	4	✓	50.0	50.4	100.8
cal 5	5	✓	100.0	98.7	98.7
cal 6	6	✓	250.0	242.9	97.2
cal 7	7	✓	500.0	501.0	100.2
cal 8	8	✓	1000.0	1000.8	100.1

Compound Calibration Report

Batch results D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin
Last Cal. Update 10/24/2019 12:45 PM
Analyst Name ISP\datastor
Analyte Ketamine *B. Wylee*
Internal Standard Ketamine-D4



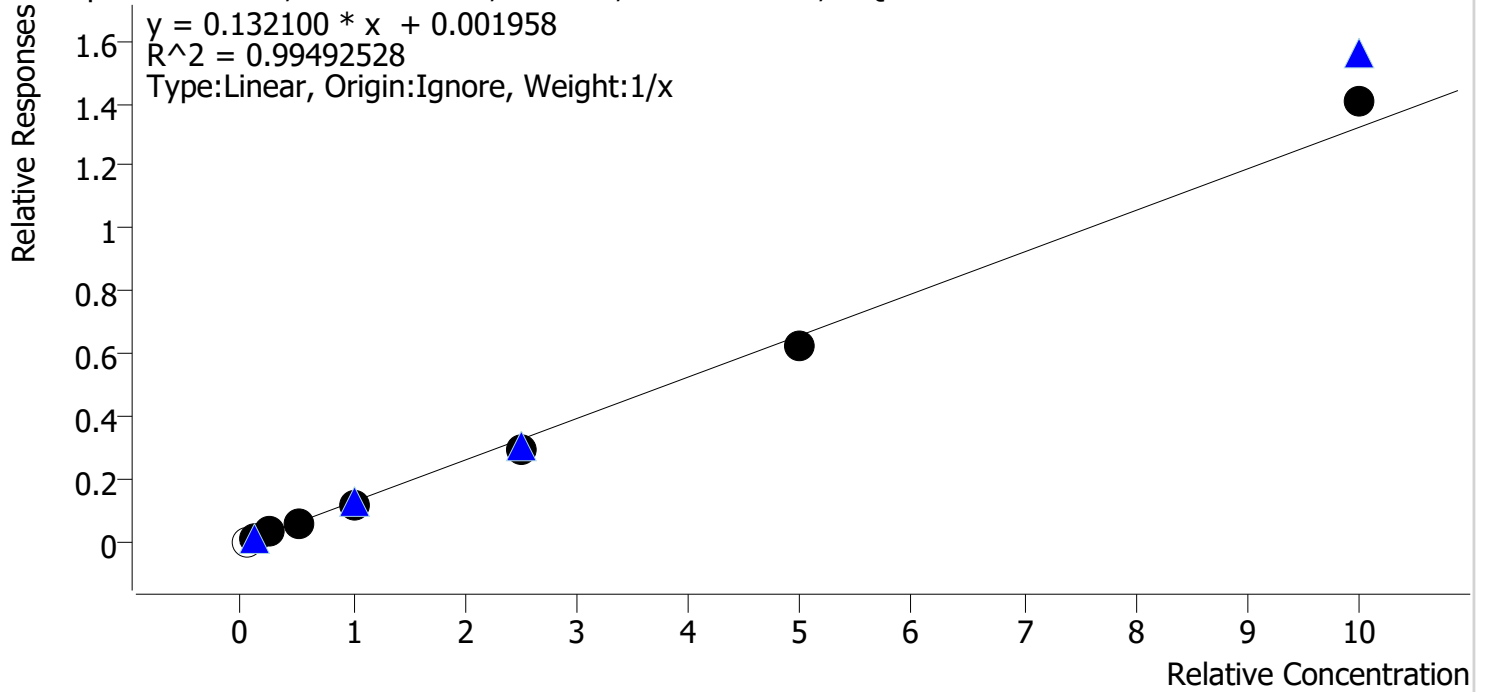
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	4.9	98.8
cal 2	2	✓	10.0	10.2	101.7
cal 3	3	✓	25.0	25.1	100.4
cal 4	4	✓	50.0	51.5	103.1
cal 5	5	✓	100.0	99.9	99.9
cal 6	6	✓	250.0	252.5	101.0
cal 7	7	✓	500.0	496.8	99.4
cal 8	8	✓	1000.0	958.0	95.8

Compound Calibration Report

Batch results D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin
Last Cal. Update 10/24/2019 12:45 PM
Analyst Name ISP\datastor
Analyte Lorazepam *BWylee*

Internal Standard Alprazolam-D5

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	x	5.0	3.9	78.2
cal 2	2	✓	10.0	11.5	114.6
cal 3	3	✓	25.0	25.1	100.6
cal 4	4	✓	50.0	50.5	100.9
cal 5	5	✓	100.0	94.6	94.6
cal 6	6	✓	250.0	222.8	89.1
cal 7	7	✓	500.0	472.1	94.4
cal 8	8	✓	1000.0	1058.5	105.8

Compound Calibration Report

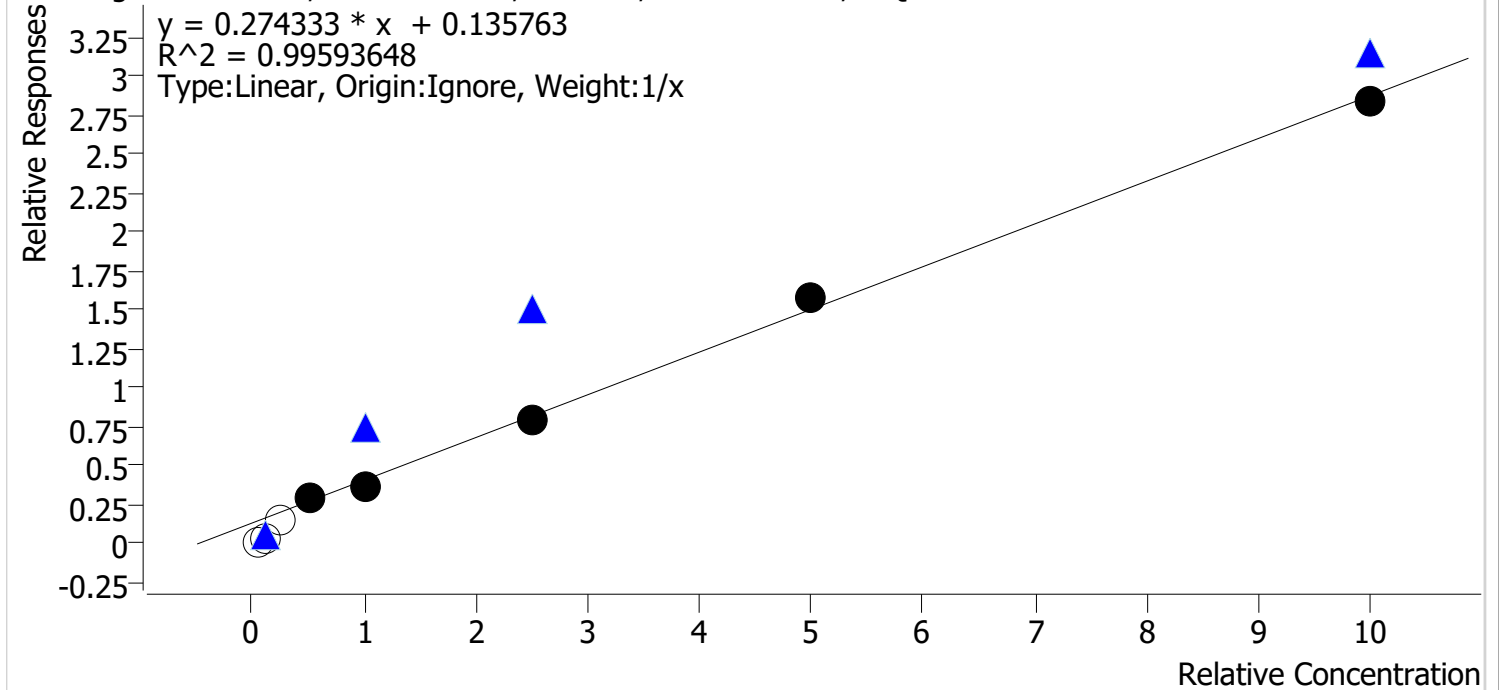
Batch results D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin
Last Cal. Update 10/24/2019 12:45 PM
Analyst Name ISP\datastor
Analyte Lamotrigine

Byylee

Internal Standard

Dextromethorphan-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	x	5.0	0.0	0.0
cal 2	2	x	10.0	0.0	0.0
cal 3	3	x	25.0	7.8	31.1
cal 4	4	✓	50.0	57.0	114.1
cal 5	5	✓	100.0	85.0	85.0
cal 6	6	✓	250.0	241.6	96.7
cal 7	7	✓	500.0	526.2	105.2
cal 8	8	✓	1000.0	990.1	99.0

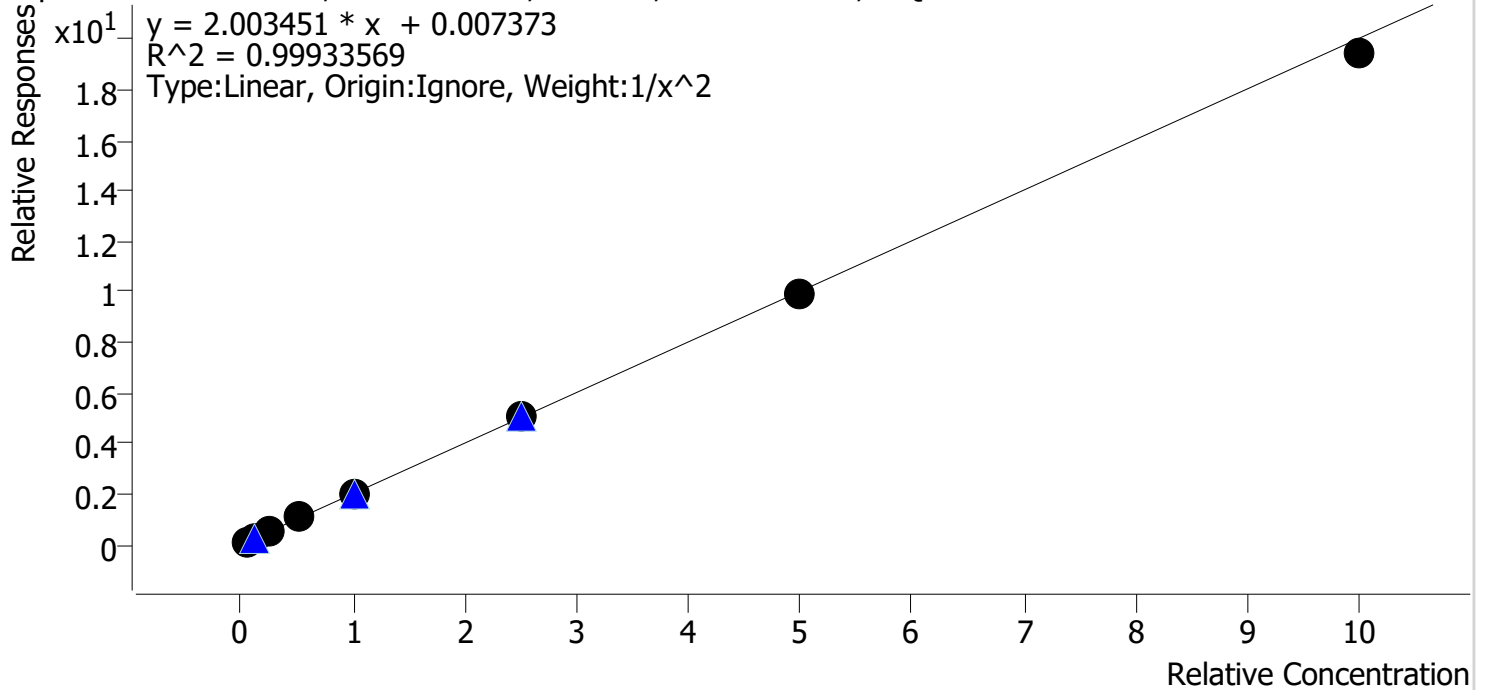
Compound Calibration Report

Batch results D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin
Last Cal. Update 10/24/2019 12:45 PM
Analyst Name ISP\datastor
Analyte Meprobamate *BWylee*

Internal Standard

Meprobamate-D7

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



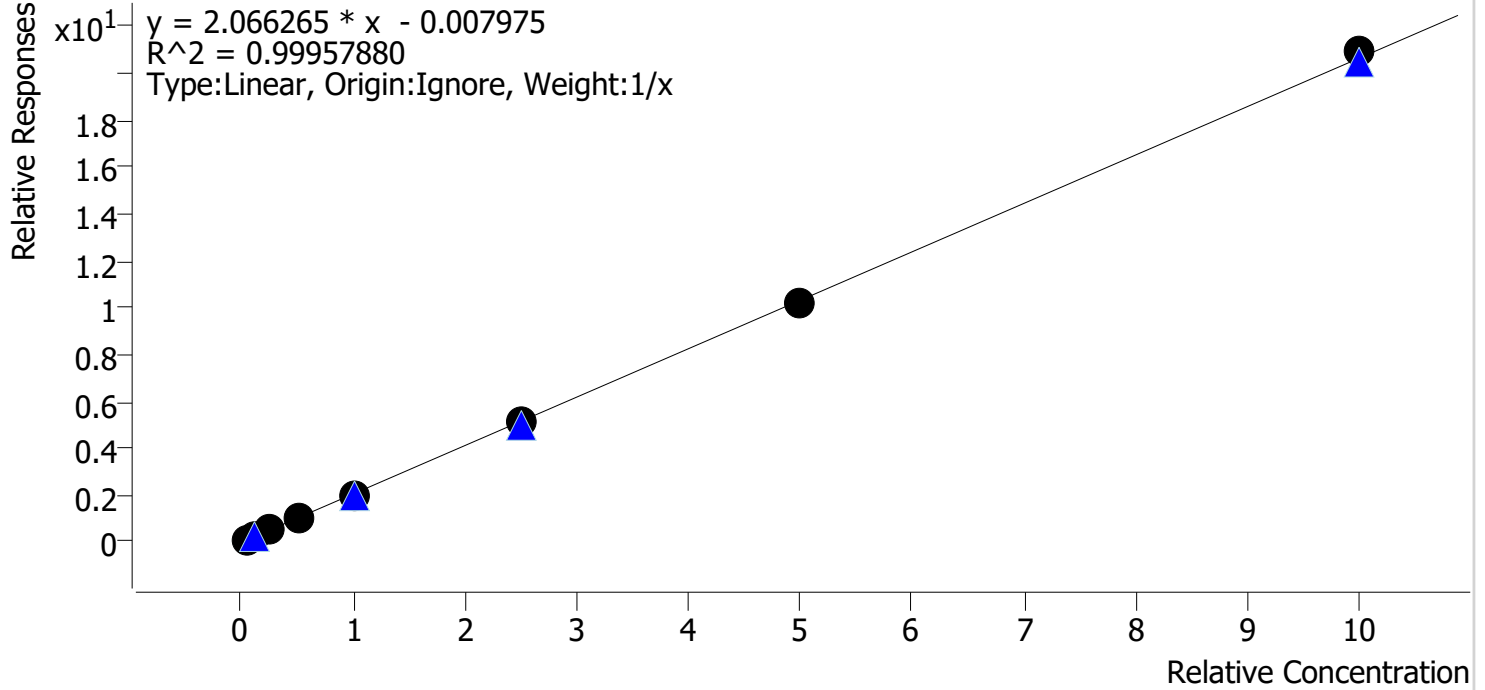
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	4.9	98.3
cal 2	2	✓	10.0	10.3	103.1
cal 3	3	✓	25.0	24.8	99.2
cal 4	4	✓	50.0	51.5	102.9
cal 5	5	✓	100.0	100.9	100.9
cal 6	6	✓	250.0	250.6	100.2
cal 7	7	✓	500.0	491.5	98.3
cal 8	8	✓	1000.0	969.8	97.0

Compound Calibration Report

Batch results D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin
Last Cal. Update 10/24/2019 12:45 PM
Analyst Name ISP\datastor
Analyte Methadone
Internal Standard Methadone-D9

BWylee

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



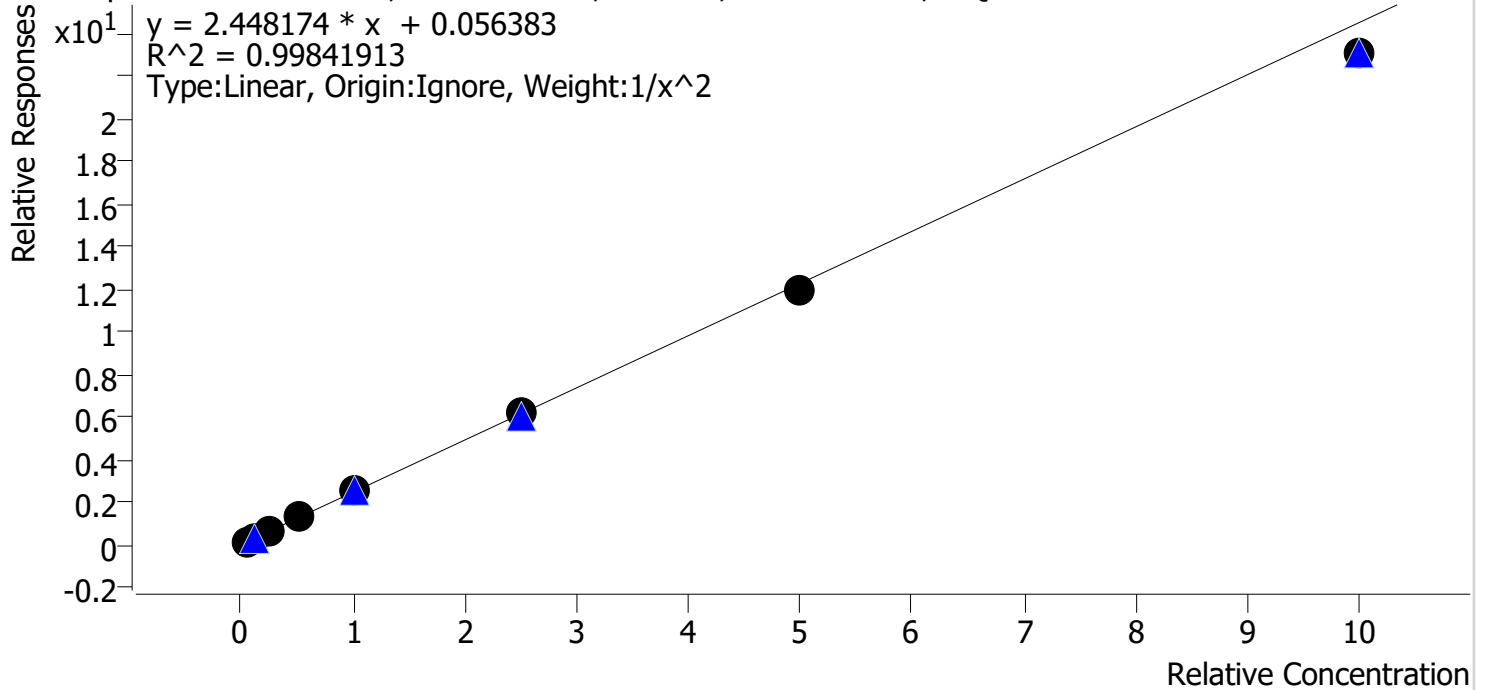
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	5.5	109.5
cal 2	2	✓	10.0	10.3	102.8
cal 3	3	✓	25.0	24.2	96.6
cal 4	4	✓	50.0	49.0	98.0
cal 5	5	✓	100.0	93.8	93.8
cal 6	6	✓	250.0	246.0	98.4
cal 7	7	✓	500.0	497.7	99.5
cal 8	8	✓	1000.0	1013.6	101.4

Compound Calibration Report

Batch results D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin
Last Cal. Update 10/24/2019 12:45 PM
Analyst Name ISP\datastor
Analyte Methamphetamine *B. Wylee*

Internal Standard Methamphetamine-D11

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



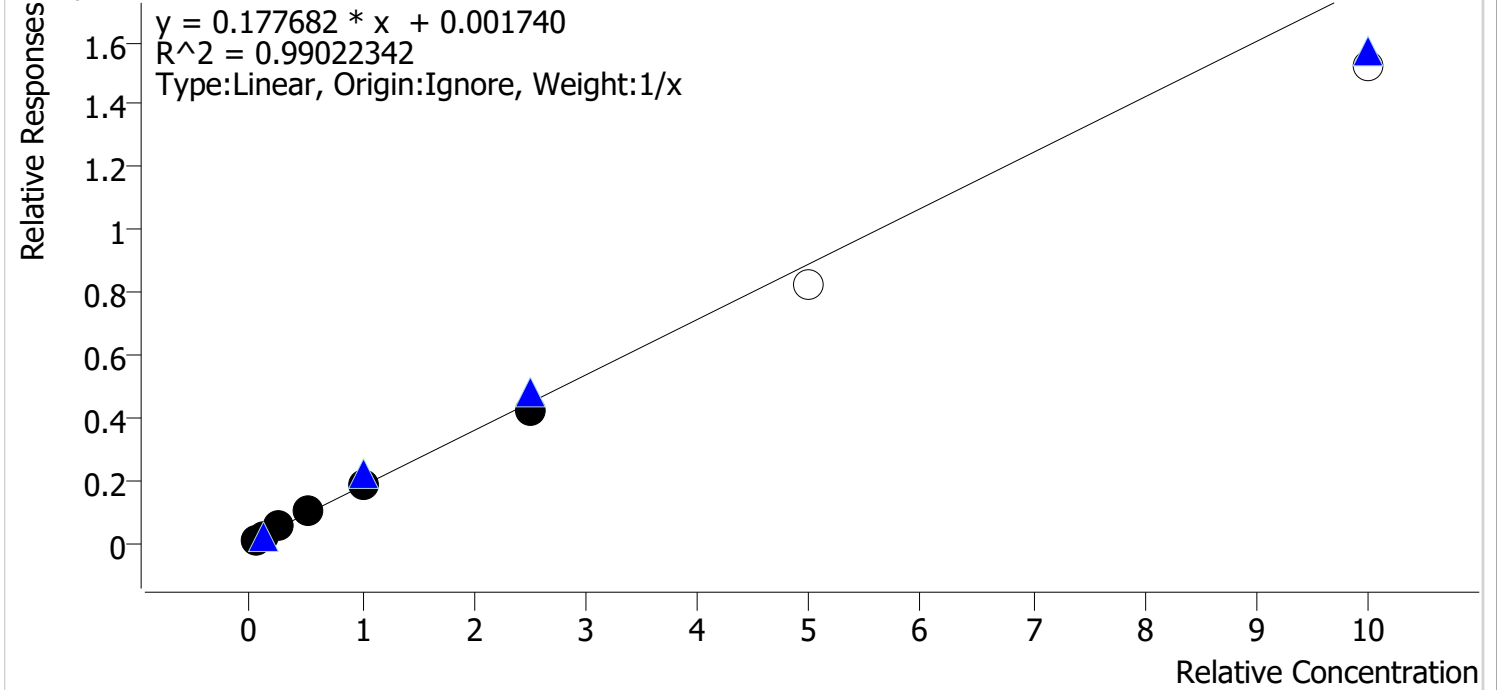
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	4.9	98.8
cal 2	2	✓	10.0	10.1	101.4
cal 3	3	✓	25.0	25.1	100.6
cal 4	4	✓	50.0	50.8	101.7
cal 5	5	✓	100.0	105.7	105.7
cal 6	6	✓	250.0	251.8	100.7
cal 7	7	✓	500.0	485.4	97.1
cal 8	8	✓	1000.0	940.5	94.1

Compound Calibration Report

Batch results D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin
Last Cal. Update 10/24/2019 12:45 PM
Analyst Name ISP\datastor
Analyte Metoprolol **Internal Standard** Diphenhydramine-D3

Byylee

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



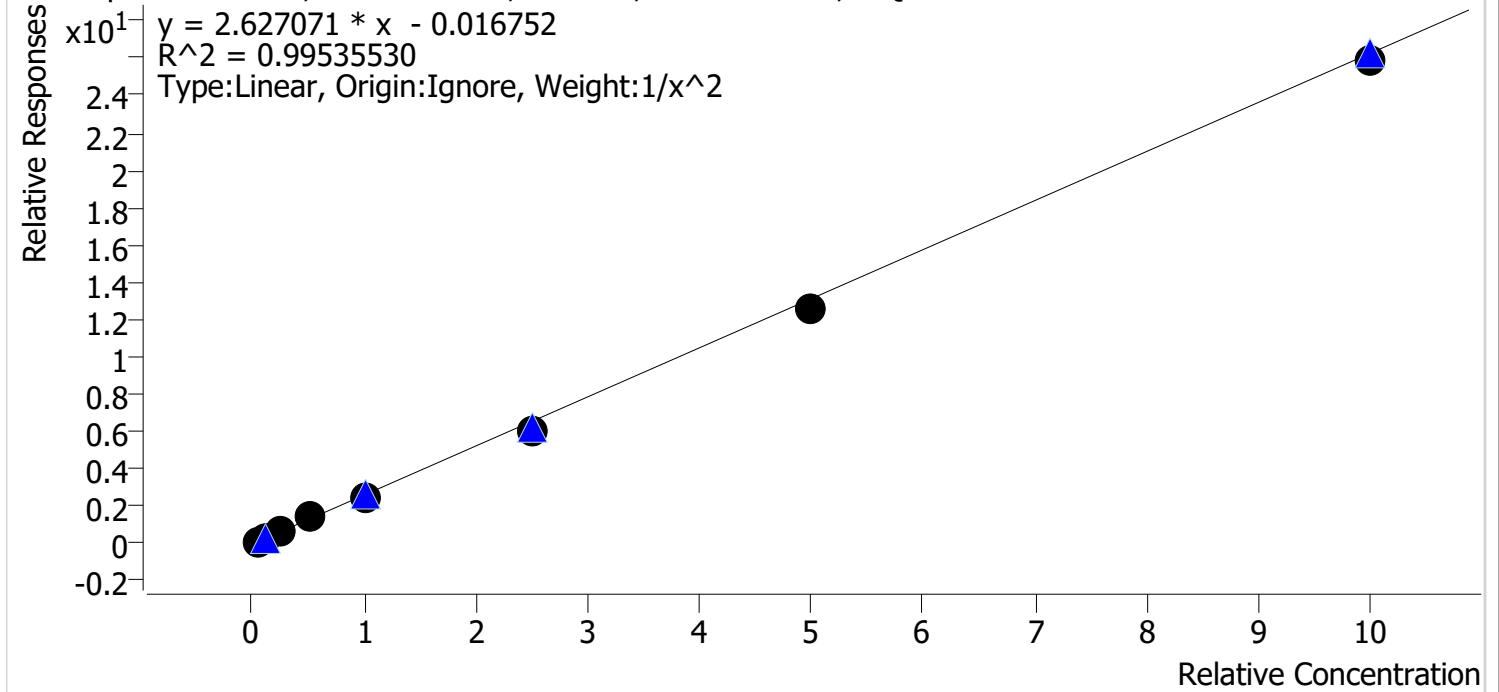
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	3.6	71.1
cal 2	2	✓	10.0	9.7	96.6
cal 3	3	✓	25.0	29.9	119.6
cal 4	4	✓	50.0	58.1	116.2
cal 5	5	✓	100.0	101.7	101.7
cal 6	6	✓	250.0	237.1	94.8
cal 7	7	x	500.0	460.3	92.1
cal 8	8	x	1000.0	854.3	85.4

Compound Calibration Report

Batch results D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin
Last Cal. Update 10/24/2019 12:45 PM
Analyst Name ISP\datastor
Analyte Mirtazapine *BWylee*

Internal Standard Methadone-D9

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	4.8	96.5
cal 2	2	✓	10.0	10.2	102.3
cal 3	3	✓	25.0	27.5	110.1
cal 4	4	✓	50.0	53.4	106.8
cal 5	5	✓	100.0	96.5	96.5
cal 6	6	✓	250.0	231.6	92.6
cal 7	7	✓	500.0	482.5	96.5
cal 8	8	✓	1000.0	987.2	98.7

Compound Calibration Report

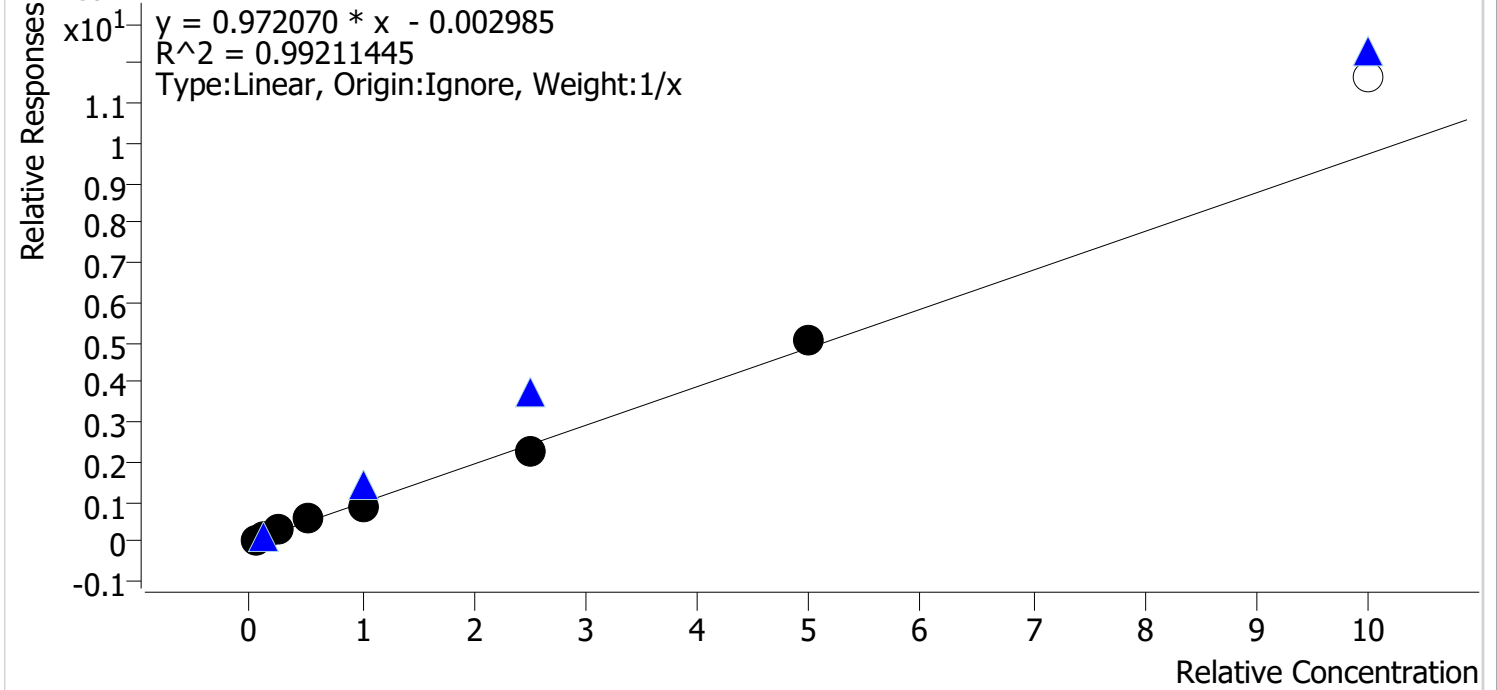
Batch results D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin
Last Cal. Update 10/24/2019 12:45 PM
Analyst Name ISP\datastor
Analyte Mitragynine

BWylee

Internal Standard

Dextromethorphan-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	4.8	95.0
cal 2	2	✓	10.0	8.7	87.2
cal 3	3	✓	25.0	29.5	118.1
cal 4	4	✓	50.0	58.4	116.8
cal 5	5	✓	100.0	85.7	85.7
cal 6	6	✓	250.0	232.8	93.1
cal 7	7	✓	500.0	520.1	104.0
cal 8	8	x	1000.0	1201.4	120.1

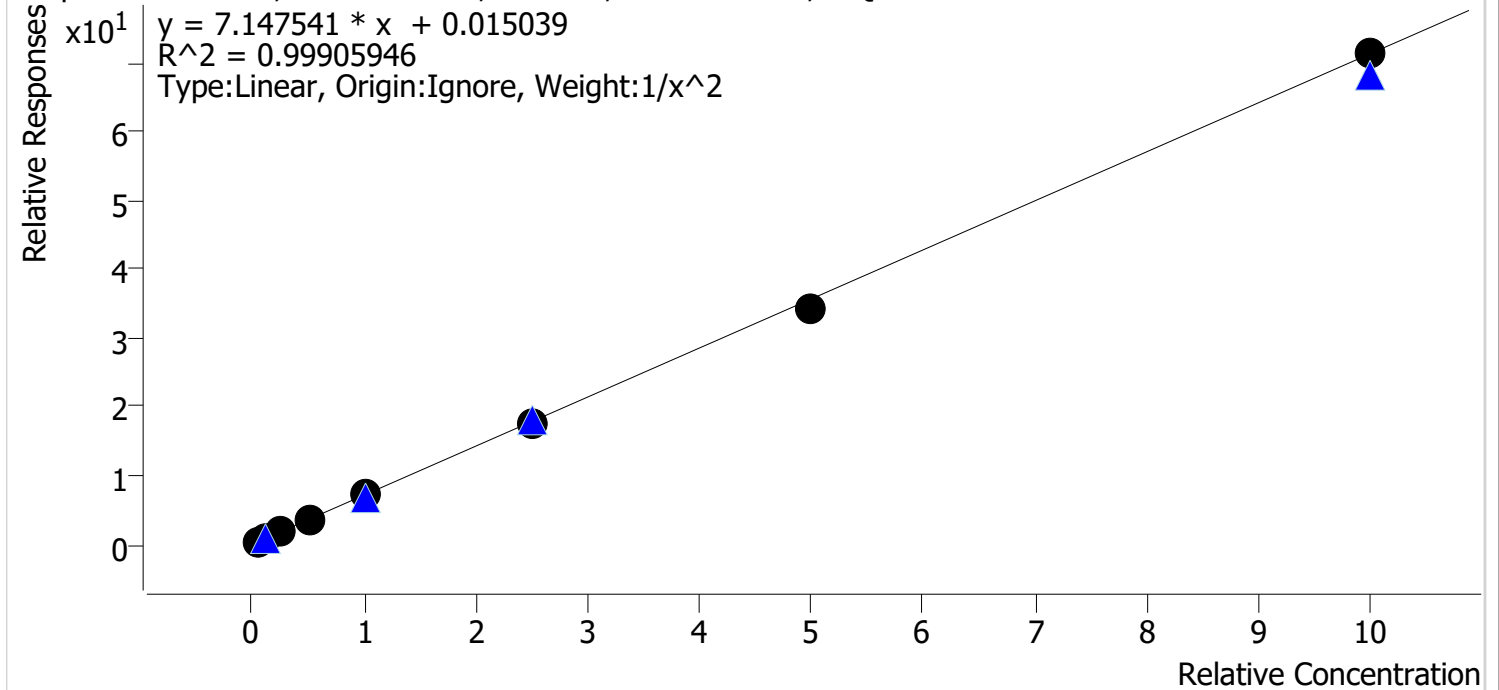
Compound Calibration Report

Batch results D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin
Last Cal. Update 10/24/2019 12:45 PM
Analyst Name ISP\datastor
Analyte Morphine *Byylee*

Internal Standard

Morphine-D6

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

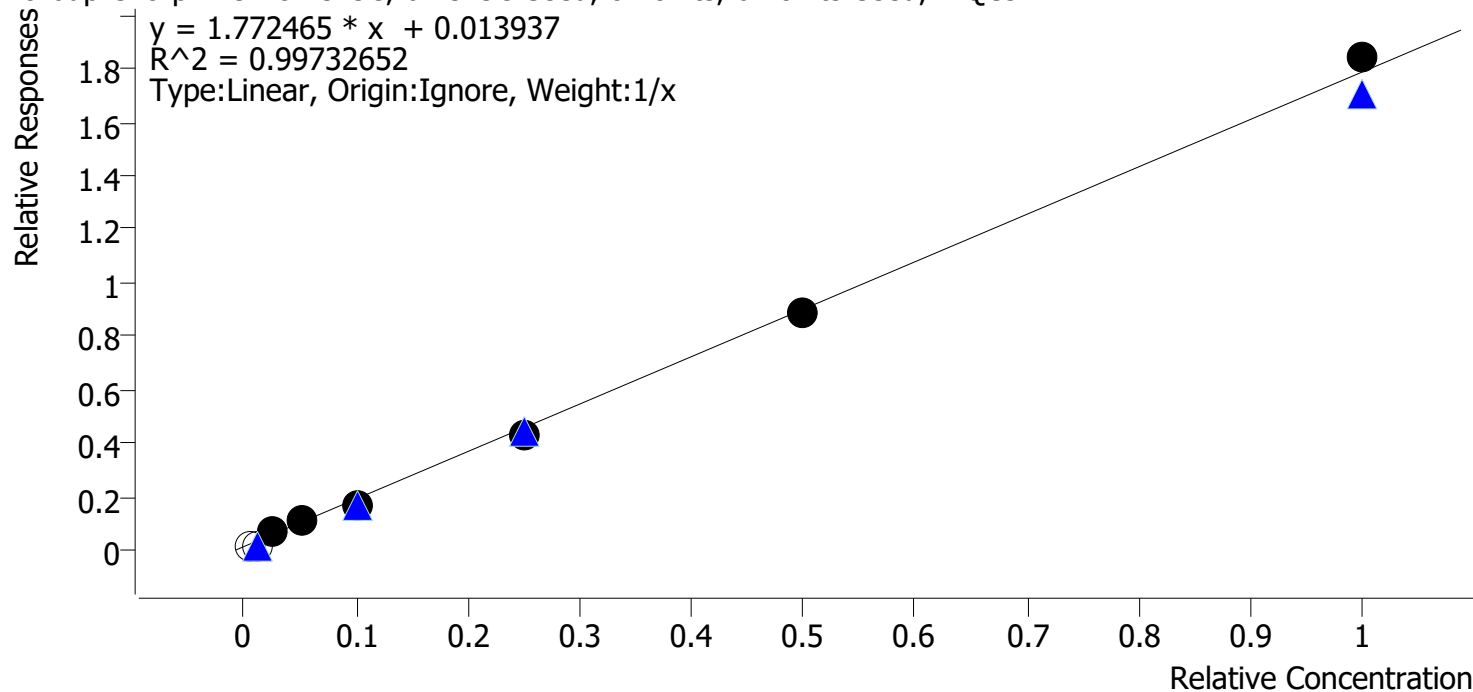


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	4.9	98.4
cal 2	2	✓	10.0	10.1	101.4
cal 3	3	✓	25.0	25.8	103.3
cal 4	4	✓	50.0	51.9	103.9
cal 5	5	✓	100.0	98.2	98.2
cal 6	6	✓	250.0	245.9	98.4
cal 7	7	✓	500.0	481.9	96.4
cal 8	8	✓	1000.0	1000.3	100.0

Compound Calibration Report

Batch results D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin
Last Cal. Update 10/24/2019 12:45 PM
Analyst Name ISP\datastor *Bylee*
Analyte Norbuprenorphine **Internal Standard** Norbuprenorphine-D3

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	x	0.5	0.1	26.4
cal 2	2	x	1.0	0.4	38.3
cal 3	3	✓	2.5	2.8	110.0
cal 4	4	✓	5.0	5.3	106.2
cal 5	5	✓	10.0	9.0	89.6
cal 6	6	✓	25.0	23.2	92.6
cal 7	7	✓	50.0	49.3	98.6
cal 8	8	✓	100.0	103.0	103.0

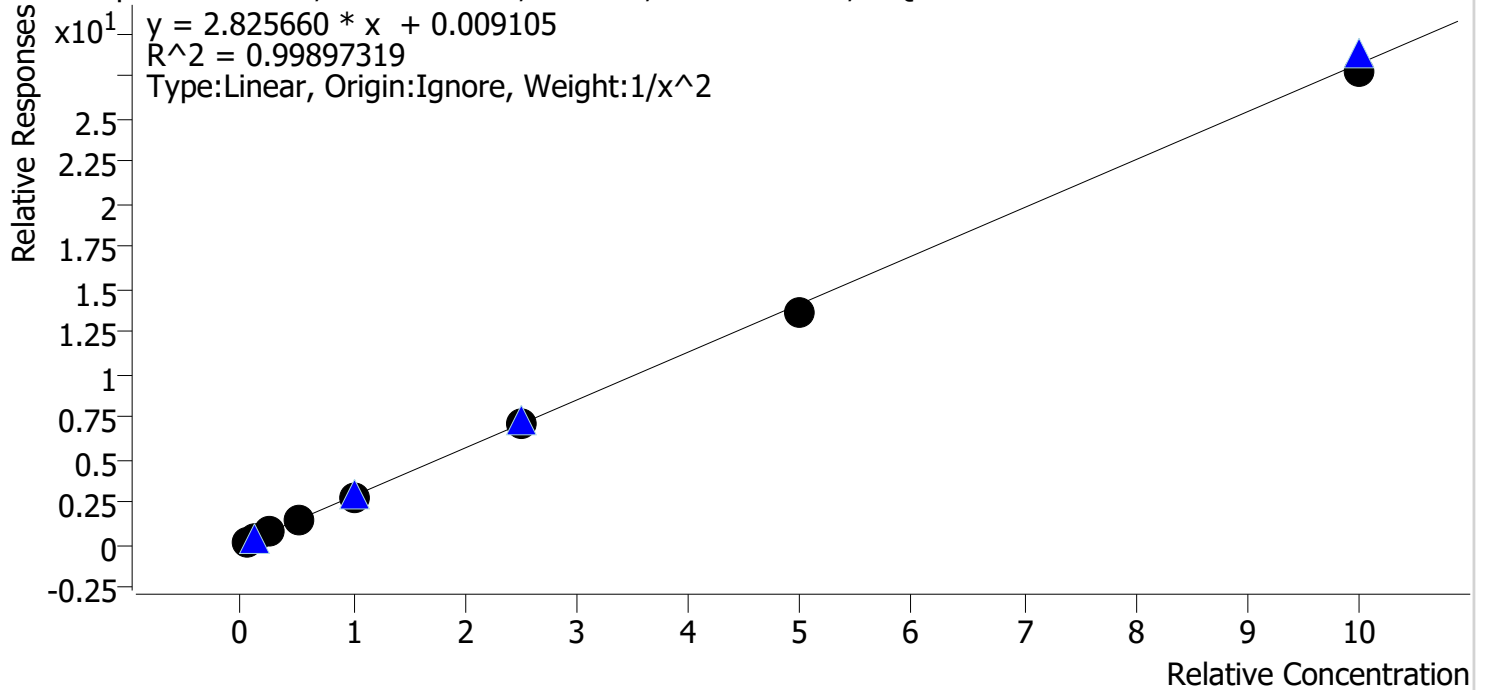
*compound not evaluated in this batch

BW
10/24/19

Compound Calibration Report

Batch results D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin
Last Cal. Update 10/24/2019 12:45 PM
Analyst Name ISP\datastor
Analyte Nordiazepam *Bylee*
Internal Standard Nordiazepam-D5

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



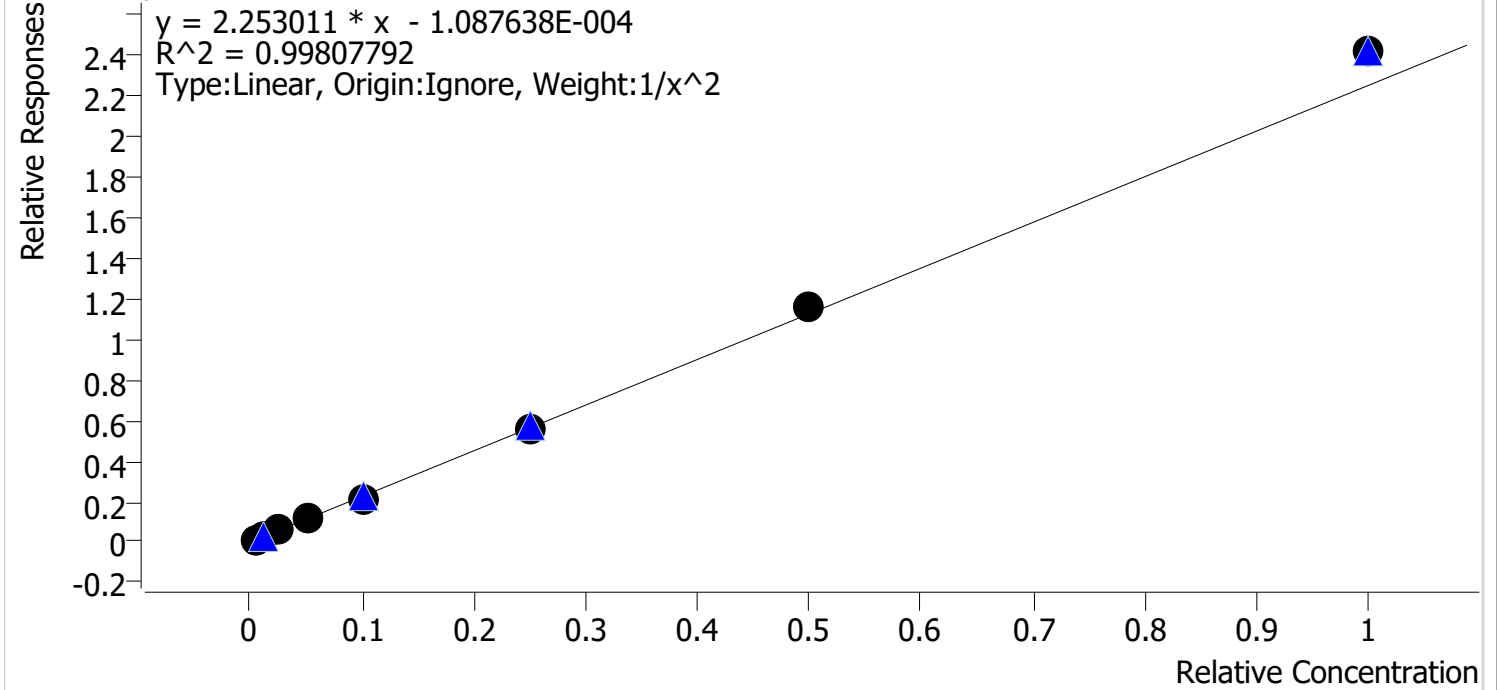
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	5.0	100.3
cal 2	2	✓	10.0	9.8	97.7
cal 3	3	✓	25.0	25.5	102.1
cal 4	4	✓	50.0	52.7	105.4
cal 5	5	✓	100.0	98.8	98.8
cal 6	6	✓	250.0	251.7	100.7
cal 7	7	✓	500.0	484.2	96.8
cal 8	8	✓	1000.0	981.6	98.2

Compound Calibration Report

Batch results D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin
Last Cal. Update 10/24/2019 12:45 PM
Analyst Name ISP\datastor
Analyte Norfentanyl *BWylee*

Internal Standard Norfentanyl-D5

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



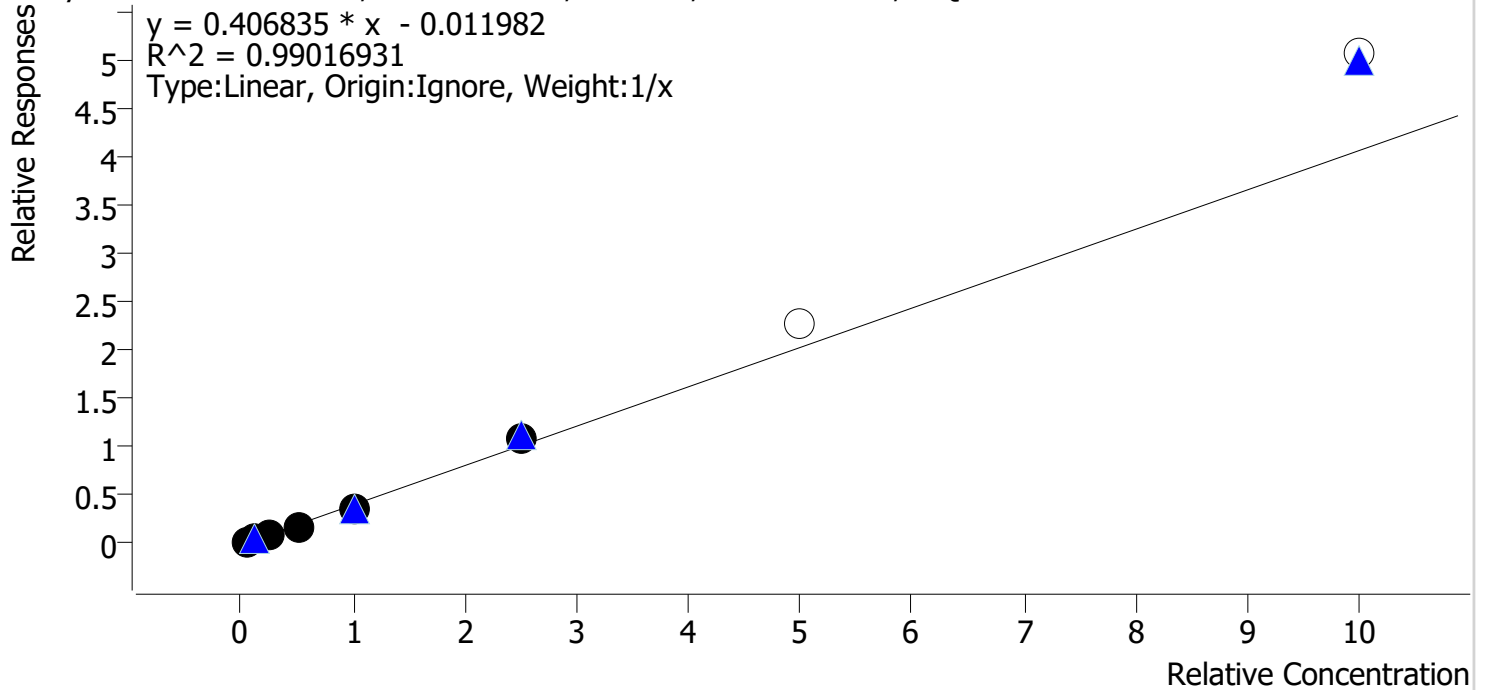
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	0.5	0.5	102.0
cal 2	2	✓	1.0	1.0	98.0
cal 3	3	✓	2.5	2.4	96.5
cal 4	4	✓	5.0	4.9	98.0
cal 5	5	✓	10.0	9.6	95.6
cal 6	6	✓	25.0	25.0	100.2
cal 7	7	✓	50.0	51.2	102.5
cal 8	8	✓	100.0	107.2	107.2

Compound Calibration Report

Batch results D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin
Last Cal. Update 10/24/2019 12:45 PM
Analyst Name ISP\datastor
Analyte Norhydrocodone **Internal Standard** Norhydrocodone-D3

BWylee

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	6.5	130.7
cal 2	2	✓	10.0	9.8	98.4
cal 3	3	✓	25.0	21.4	85.4
cal 4	4	✓	50.0	42.5	85.0
cal 5	5	✓	100.0	94.3	94.3
cal 6	6	✓	250.0	265.5	106.2
cal 7	7	✗	500.0	562.4	112.5
cal 8	8	✗	1000.0	1246.2	124.6

* compound not evaluated in this batch

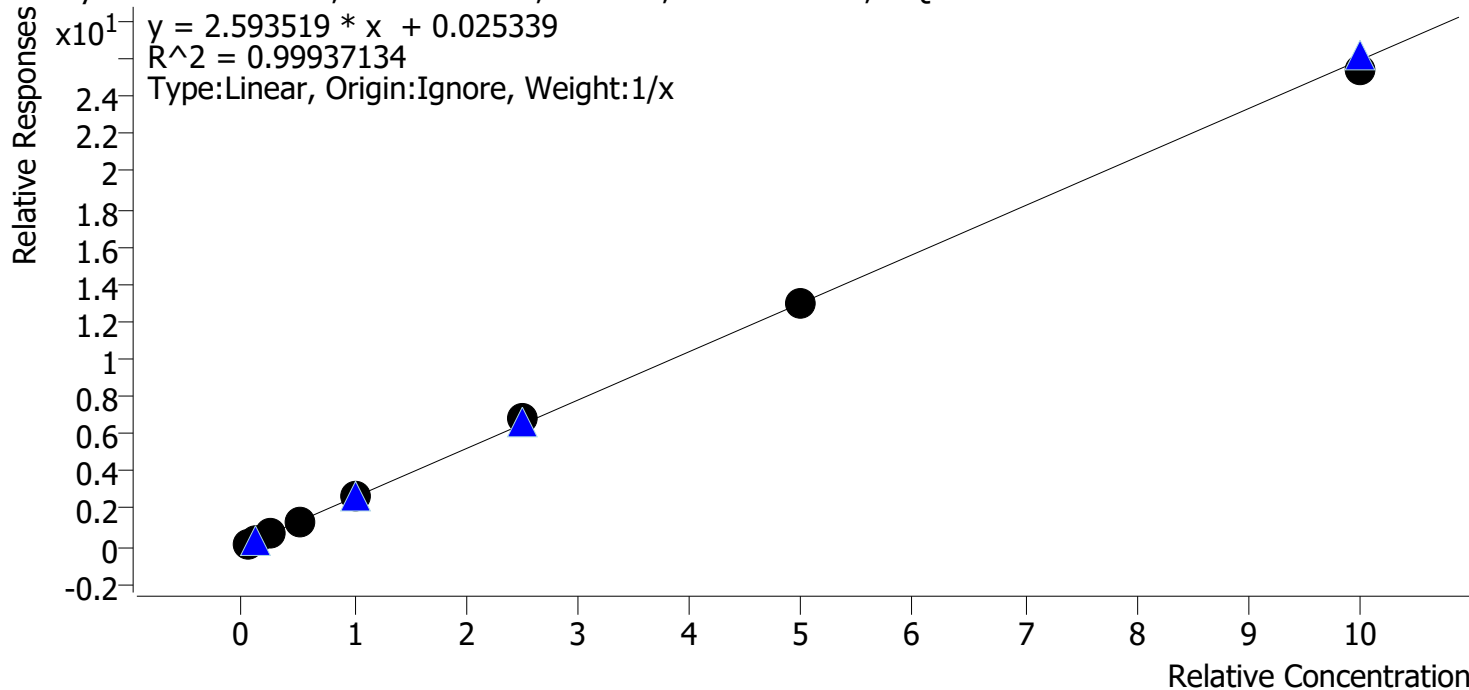
BW
10/24/19

Type text here

Compound Calibration Report

Batch results D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin
Last Cal. Update 10/24/2019 12:45 PM
Analyst Name ISP\datastor
Analyte Noroxycodone *B. Wylee*
Internal Standard Noroxycodone-D3

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

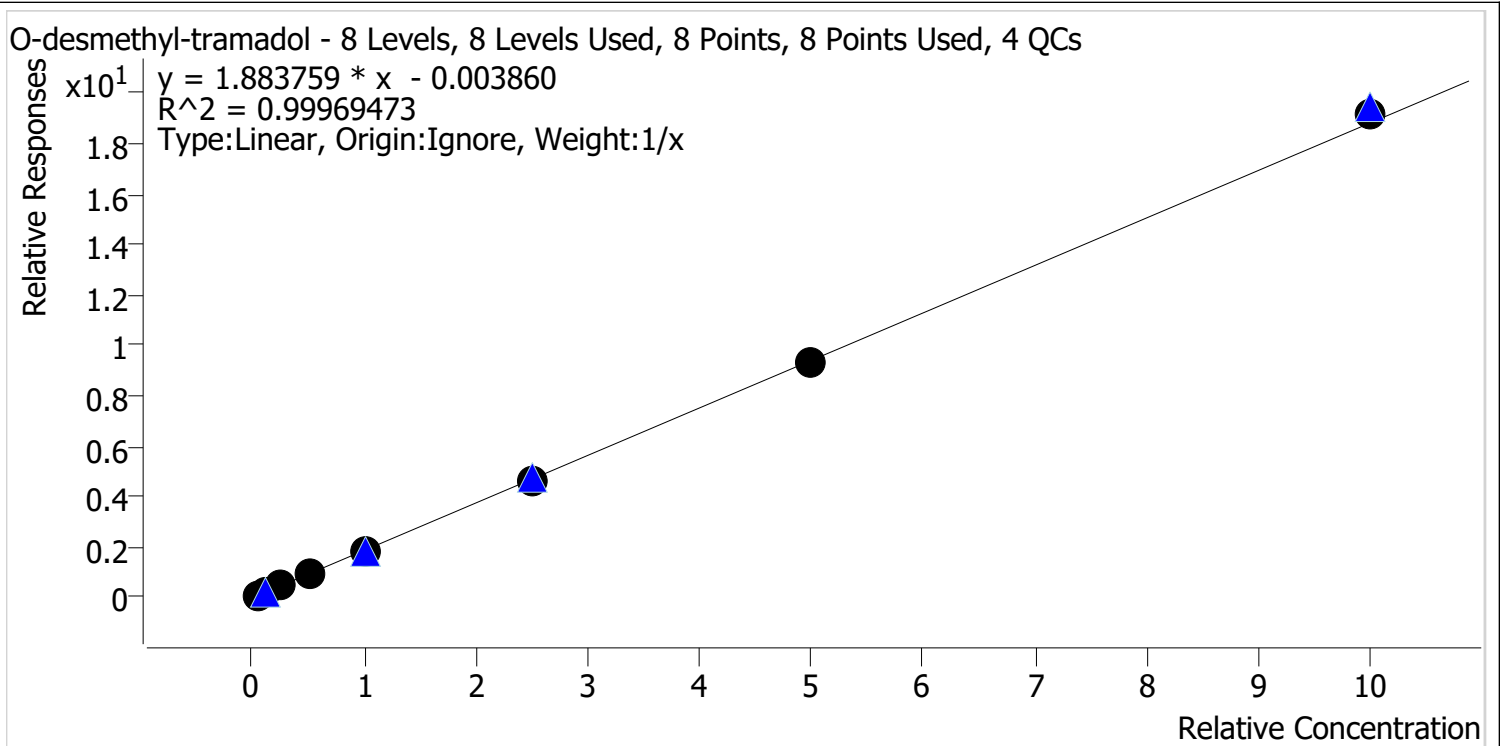


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	4.5	89.7
cal 2	2	✓	10.0	9.9	99.4
cal 3	3	✓	25.0	25.2	100.8
cal 4	4	✓	50.0	52.2	104.3
cal 5	5	✓	100.0	102.3	102.3
cal 6	6	✓	250.0	261.9	104.7
cal 7	7	✓	500.0	502.3	100.5
cal 8	8	✓	1000.0	981.7	98.2

Compound Calibration Report

Batch results	D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin		
Last Cal. Update	10/24/2019 12:45 PM		
Analyst Name	ISP\datastor		
Analyte	O-desmethyl-tramadol	Internal Standard	O-desmethyl-tramadol-D6

Bylee



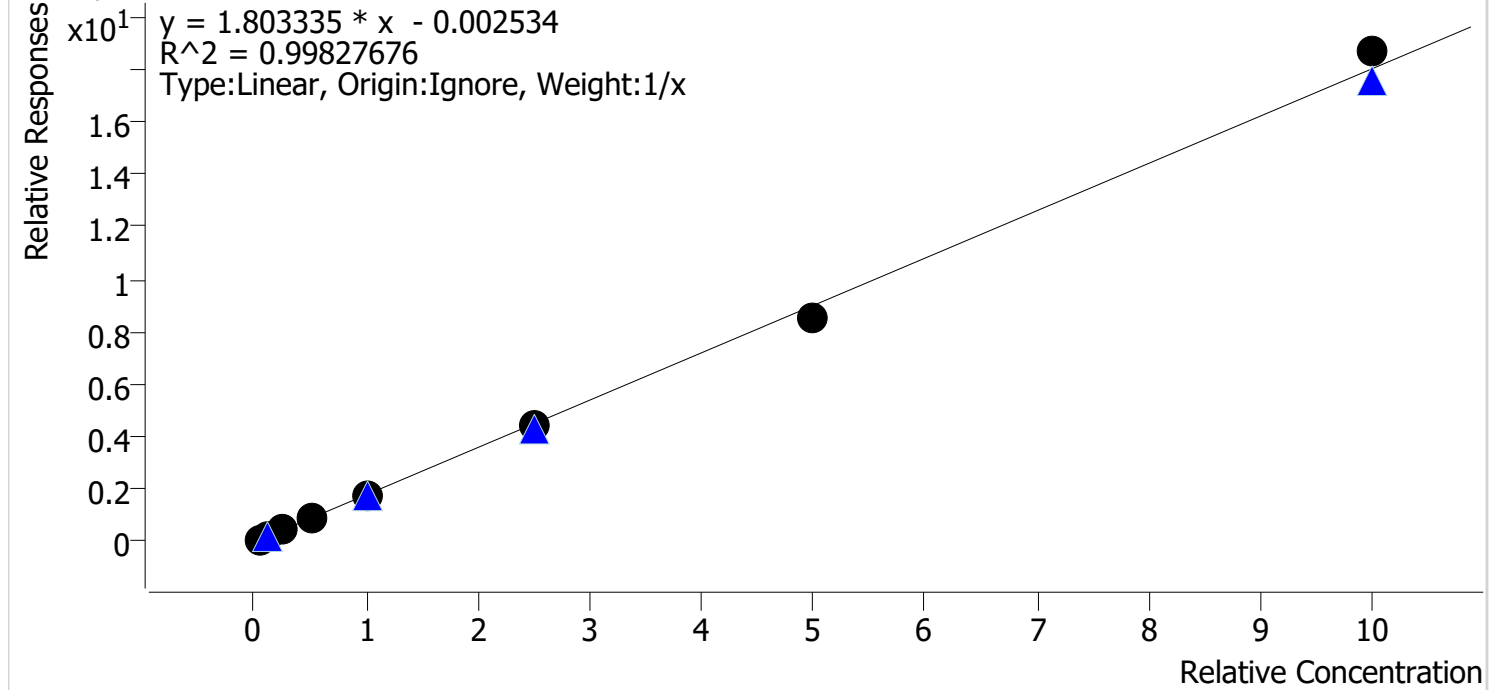
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	5.3	106.6
cal 2	2	✓	10.0	10.1	101.4
cal 3	3	✓	25.0	24.5	97.9
cal 4	4	✓	50.0	49.4	98.7
cal 5	5	✓	100.0	96.9	96.9
cal 6	6	✓	250.0	246.0	98.4
cal 7	7	✓	500.0	492.6	98.5
cal 8	8	✓	1000.0	1015.1	101.5

Compound Calibration Report

Batch results D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin
Last Cal. Update 10/24/2019 12:45 PM
Analyst Name ISP\datastor
Analyte Oxazepam
Internal Standard Oxazepam-D5

Byylee

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	5.2	104.1
cal 2	2	✓	10.0	10.7	106.9
cal 3	3	✓	25.0	24.3	97.3
cal 4	4	✓	50.0	50.0	100.1
cal 5	5	✓	100.0	95.7	95.7
cal 6	6	✓	250.0	243.6	97.4
cal 7	7	✓	500.0	474.3	94.9
cal 8	8	✓	1000.0	1036.2	103.6

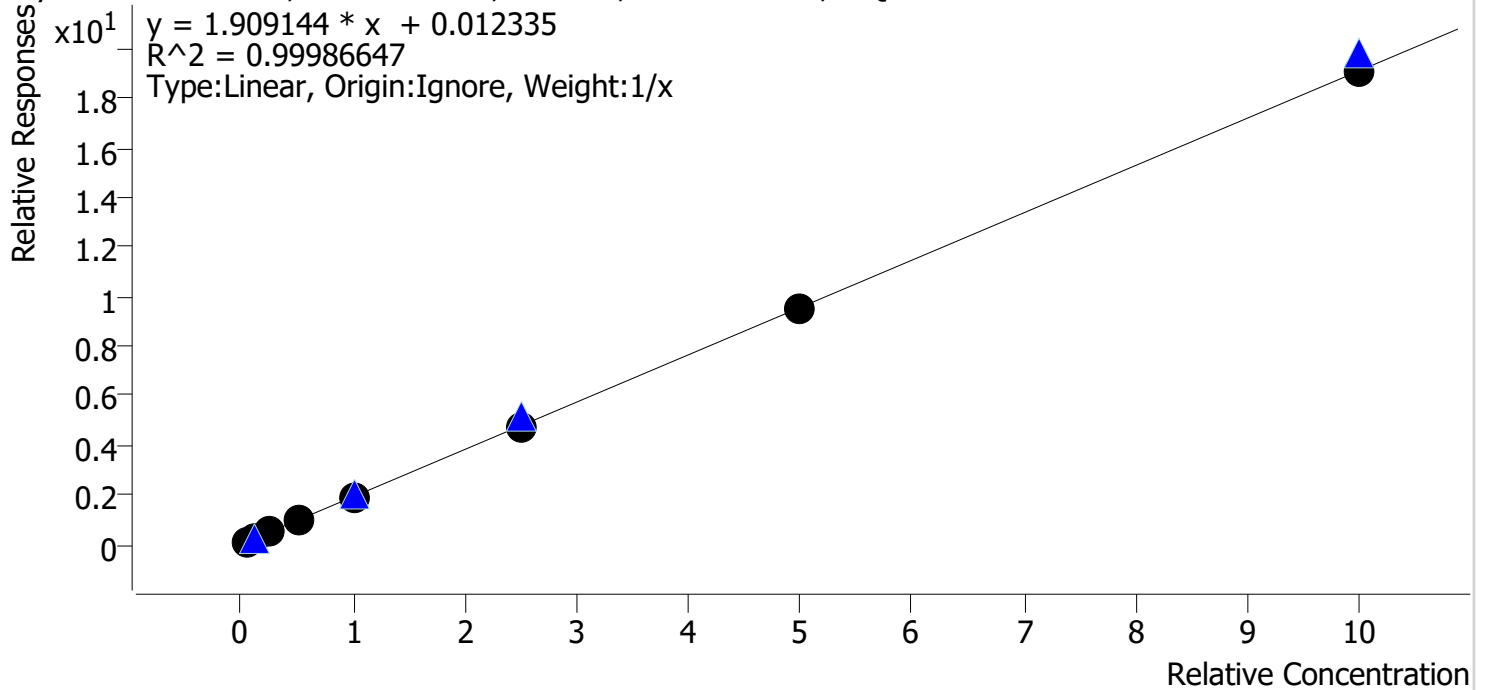
Compound Calibration Report

Batch results D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin
Last Cal. Update 10/24/2019 12:45 PM
Analyst Name ISP\datastor
Analyte Oxycodone *BWylee*

Internal Standard

Oxycodone-D6

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



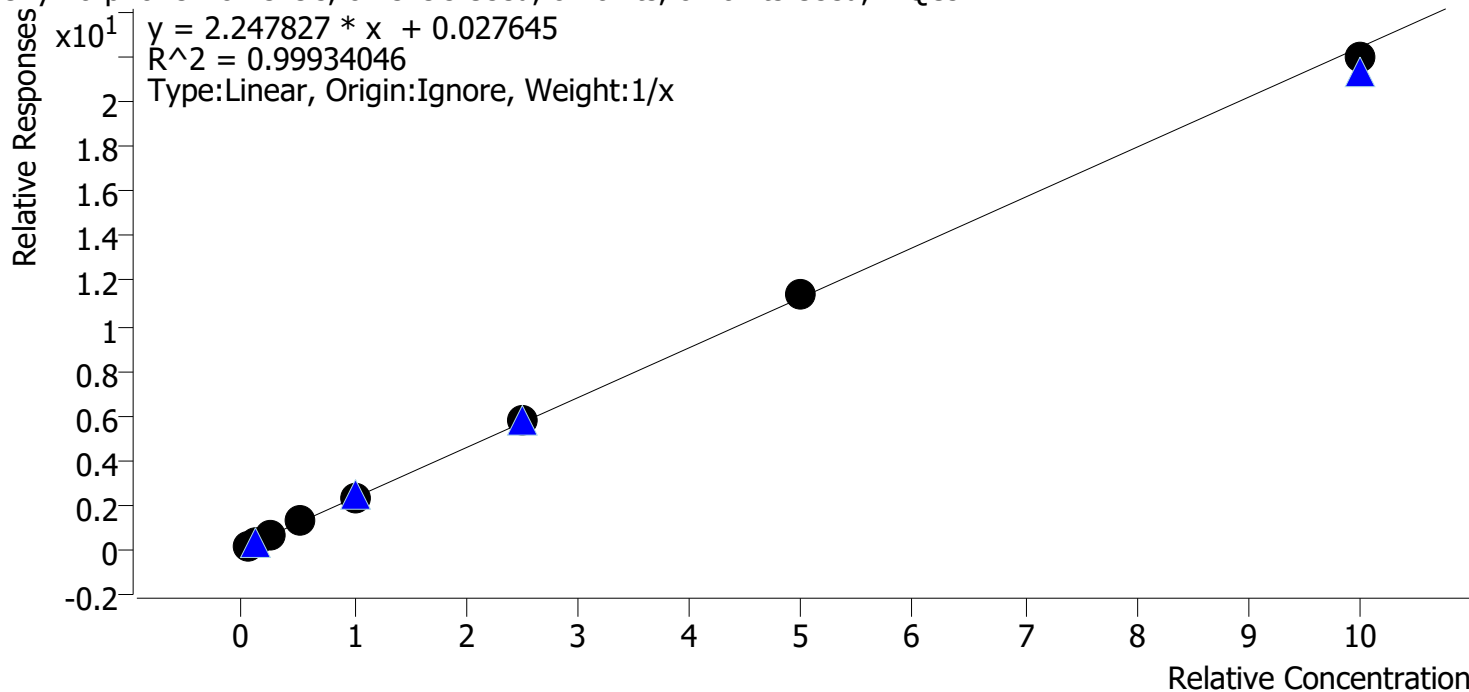
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	4.9	98.1
cal 2	2	✓	10.0	9.7	96.8
cal 3	3	✓	25.0	26.0	103.8
cal 4	4	✓	50.0	52.2	104.5
cal 5	5	✓	100.0	97.1	97.1
cal 6	6	✓	250.0	249.5	99.8
cal 7	7	✓	500.0	499.0	99.8
cal 8	8	✓	1000.0	1001.6	100.2

Compound Calibration Report

Batch results D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin
Last Cal. Update 10/24/2019 12:45 PM
Analyst Name ISP\datastor
Analyte Oxymorphone *B. Wylee*

Internal Standard Oxymorphone-D3

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



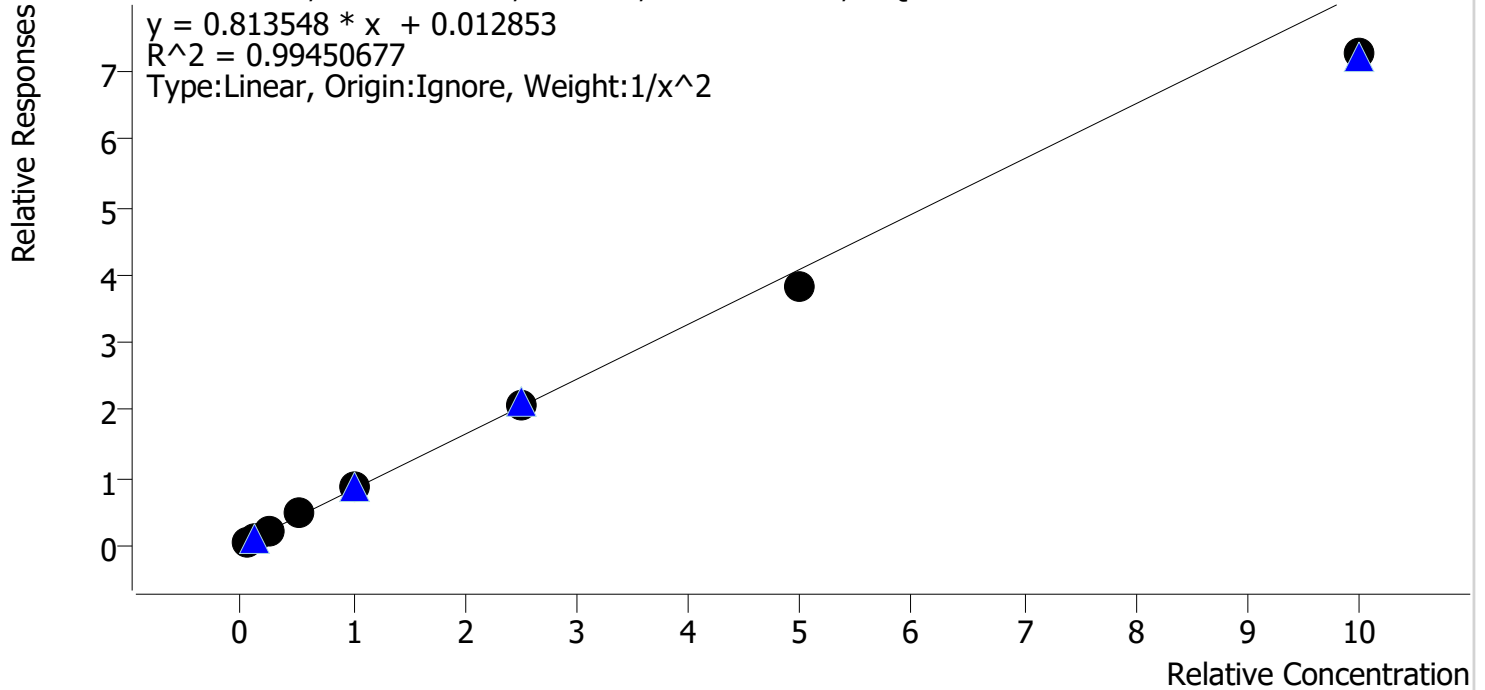
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	4.4	88.5
cal 2	2	✓	10.0	9.7	96.7
cal 3	3	✓	25.0	25.9	103.6
cal 4	4	✓	50.0	53.1	106.3
cal 5	5	✓	100.0	102.3	102.3
cal 6	6	✓	250.0	258.3	103.3
cal 7	7	✓	500.0	507.1	101.4
cal 8	8	✓	1000.0	979.2	97.9

Compound Calibration Report

Batch results D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin
Last Cal. Update 10/24/2019 12:45 PM
Analyst Name ISP\datastor
Analyte Phentermine *BWylee*

Internal Standard Phentermine-D5

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

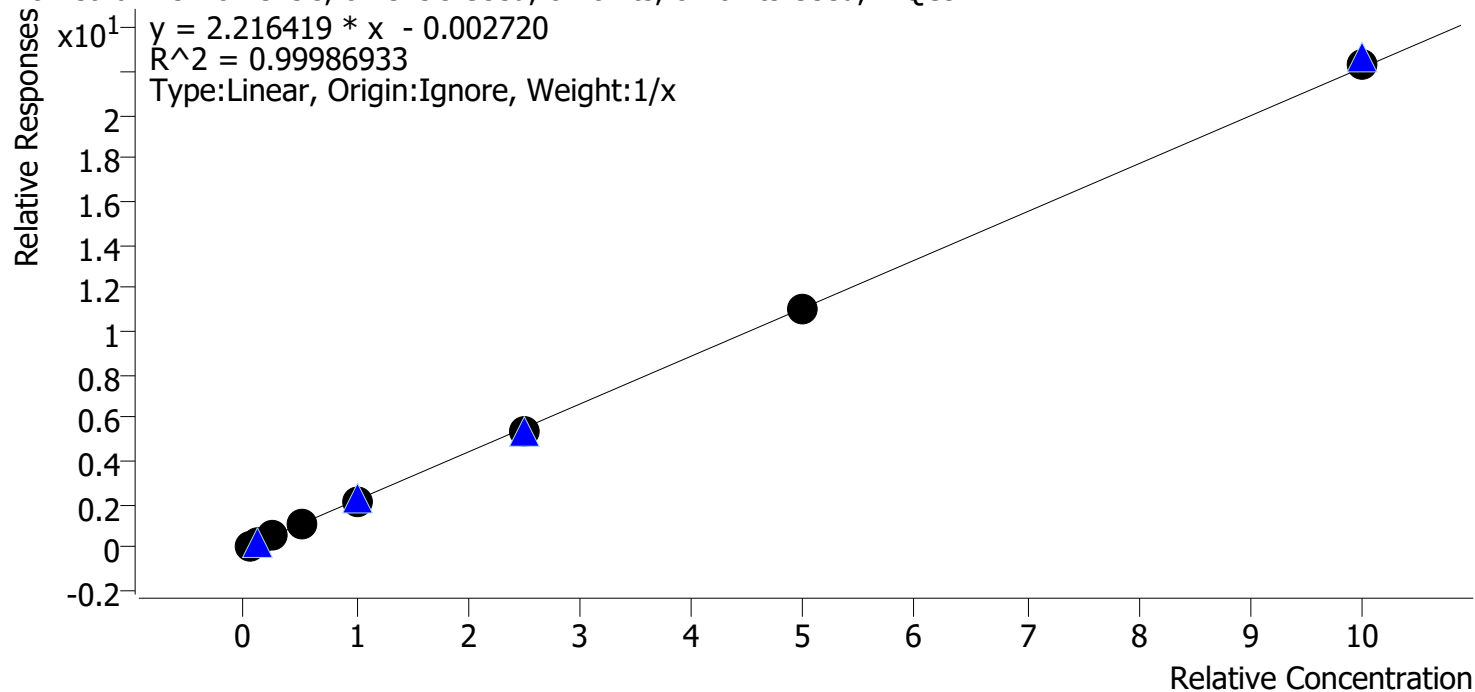


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	4.9	97.9
cal 2	2	✓	10.0	10.0	100.2
cal 3	3	✓	25.0	26.3	105.1
cal 4	4	✓	50.0	54.9	109.7
cal 5	5	✓	100.0	103.8	103.8
cal 6	6	✓	250.0	250.4	100.2
cal 7	7	✓	500.0	470.7	94.1
cal 8	8	✓	1000.0	891.4	89.1

Compound Calibration Report

Batch results D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin
Last Cal. Update 10/24/2019 12:45 PM
Analyst Name ISP\datastor
Analyte Promethazine *B. Wylee*
Internal Standard Promethazine-D3

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



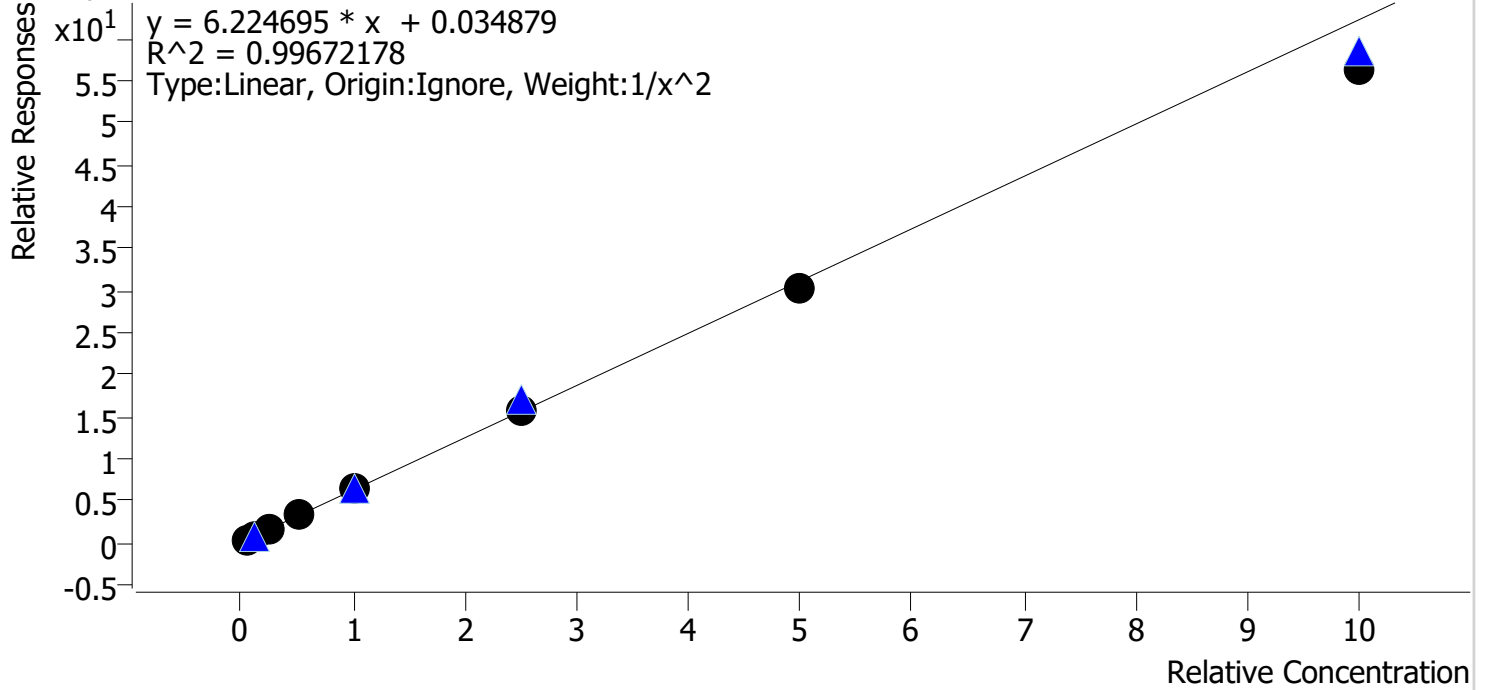
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	5.2	104.7
cal 2	2	✓	10.0	10.3	102.7
cal 3	3	✓	25.0	24.2	97.0
cal 4	4	✓	50.0	49.5	99.0
cal 5	5	✓	100.0	97.3	97.3
cal 6	6	✓	250.0	247.0	98.8
cal 7	7	✓	500.0	498.1	99.6
cal 8	8	✓	1000.0	1008.3	100.8

Compound Calibration Report

Batch results D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin
Last Cal. Update 10/24/2019 12:45 PM
Analyst Name ISP\datastor
Analyte Quetiapine **Internal Standard** Quetiapine-D8

Bylee

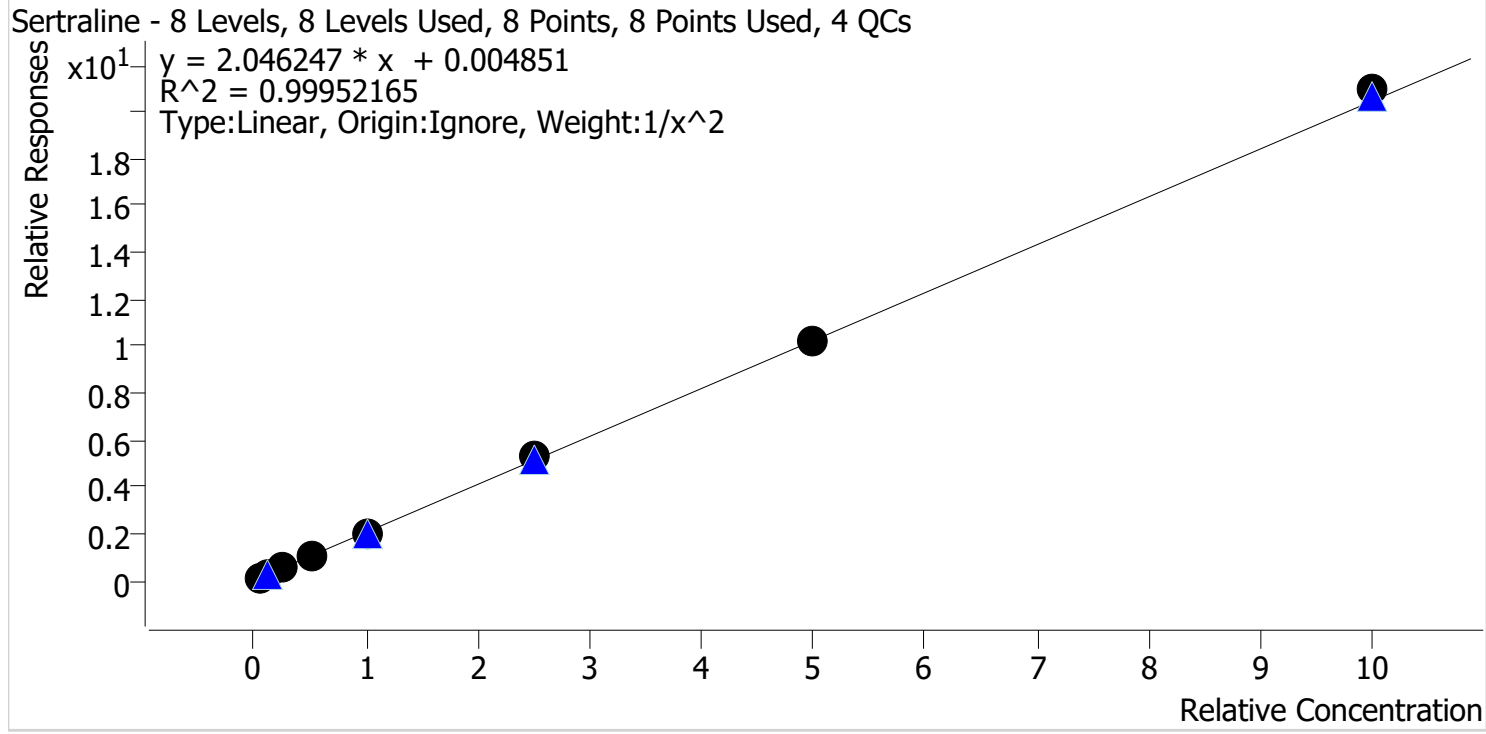
Quetiapine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	4.9	97.1
cal 2	2	✓	10.0	10.4	103.7
cal 3	3	✓	25.0	25.4	101.5
cal 4	4	✓	50.0	53.4	106.7
cal 5	5	✓	100.0	102.1	102.1
cal 6	6	✓	250.0	253.1	101.3
cal 7	7	✓	500.0	485.0	97.0
cal 8	8	✓	1000.0	905.8	90.6

Compound Calibration Report

Batch results D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin
Last Cal. Update 10/24/2019 12:45 PM
Analyst Name ISP\datastor
Analyte Sertraline *BWylee*
Internal Standard Sertraline-D3



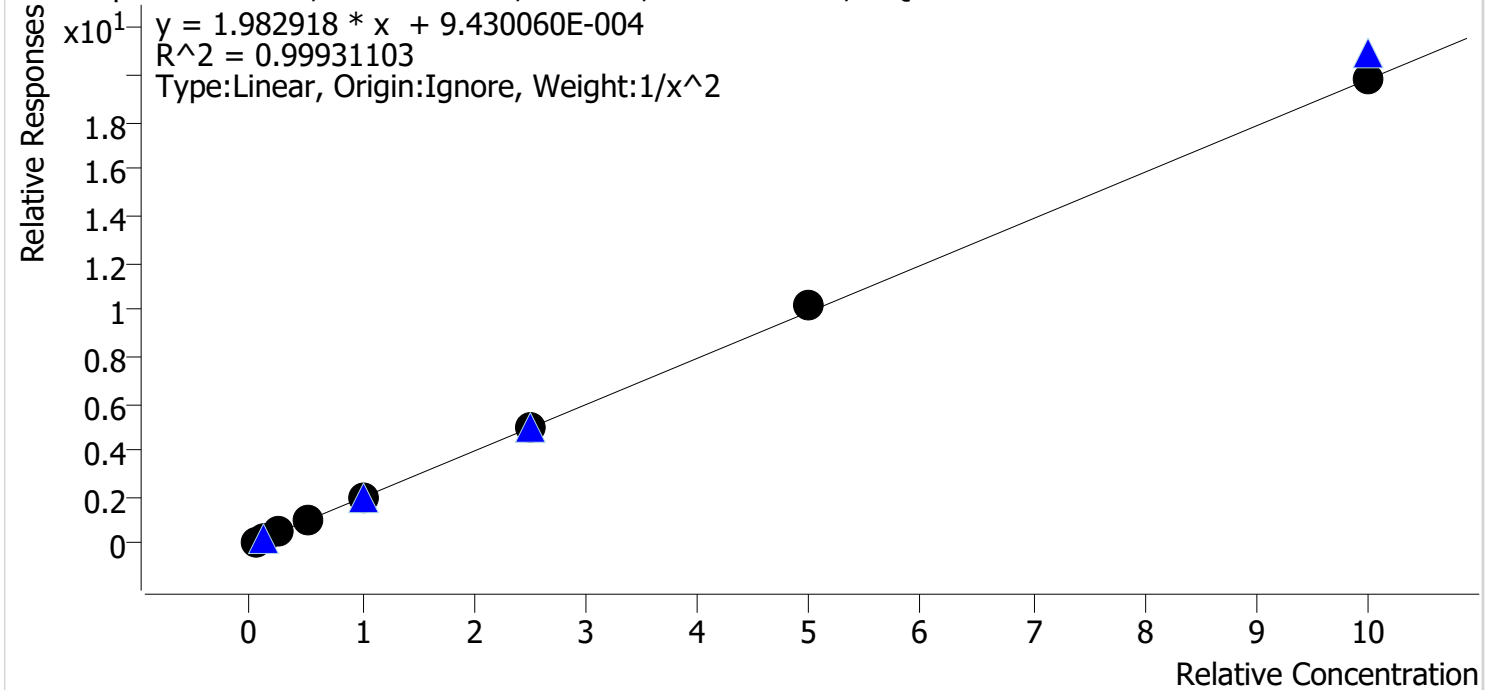
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	5.0	100.0
cal 2	2	✓	10.0	10.2	101.5
cal 3	3	✓	25.0	24.4	97.5
cal 4	4	✓	50.0	49.1	98.3
cal 5	5	✓	100.0	98.2	98.2
cal 6	6	✓	250.0	255.3	102.1
cal 7	7	✓	500.0	500.4	100.1
cal 8	8	✓	1000.0	1023.9	102.4

Compound Calibration Report

Batch results D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin
Last Cal. Update 10/24/2019 12:45 PM
Analyst Name ISP\datastor
Analyte Temazepam *BWylee*

Internal Standard Temazepam-D5

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



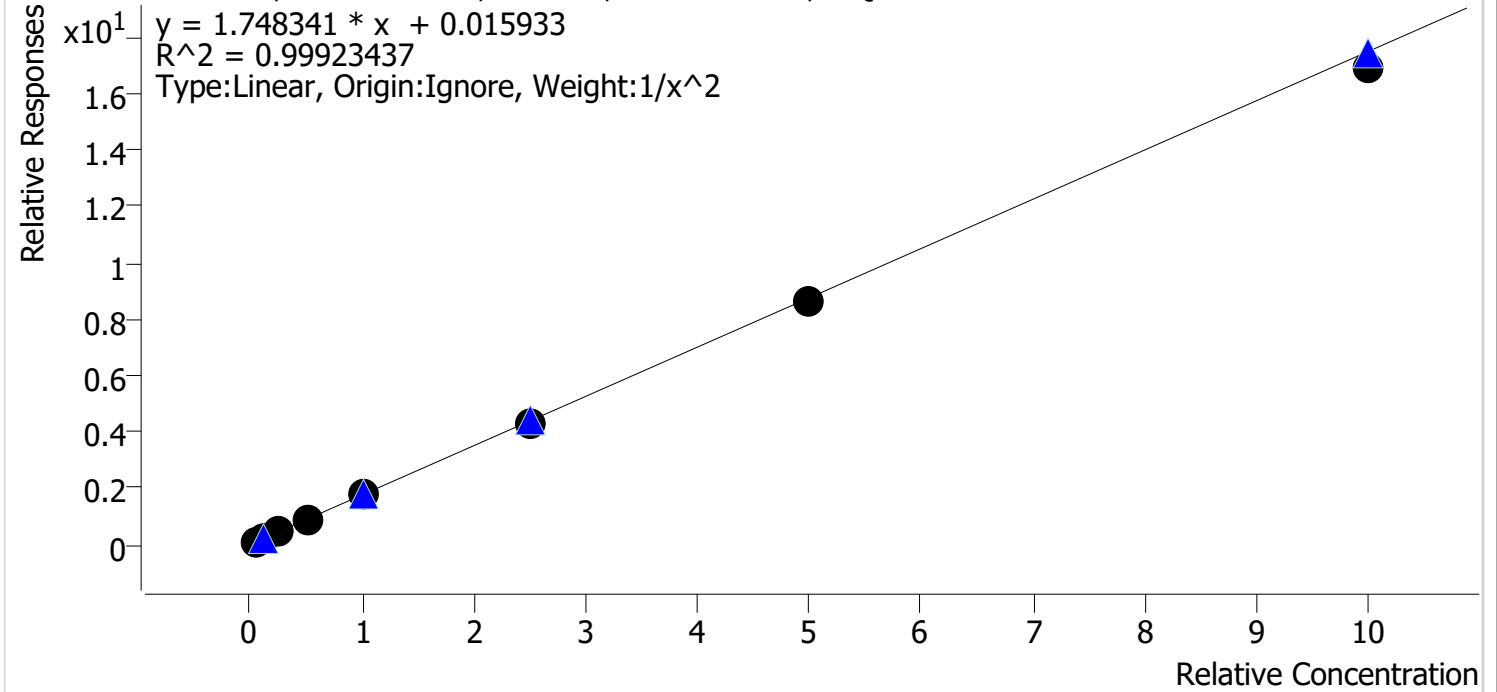
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	5.1	101.6
cal 2	2	✓	10.0	9.8	98.1
cal 3	3	✓	25.0	23.9	95.8
cal 4	4	✓	50.0	51.0	101.9
cal 5	5	✓	100.0	98.7	98.7
cal 6	6	✓	250.0	253.7	101.5
cal 7	7	✓	500.0	510.8	102.2
cal 8	8	✓	1000.0	1002.4	100.2

Compound Calibration Report

Batch results D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin
Last Cal. Update 10/24/2019 12:45 PM
Analyst Name ISP\datastor
Analyte Tramadol *Byylee*

Internal Standard Tramadol-13C-D3

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



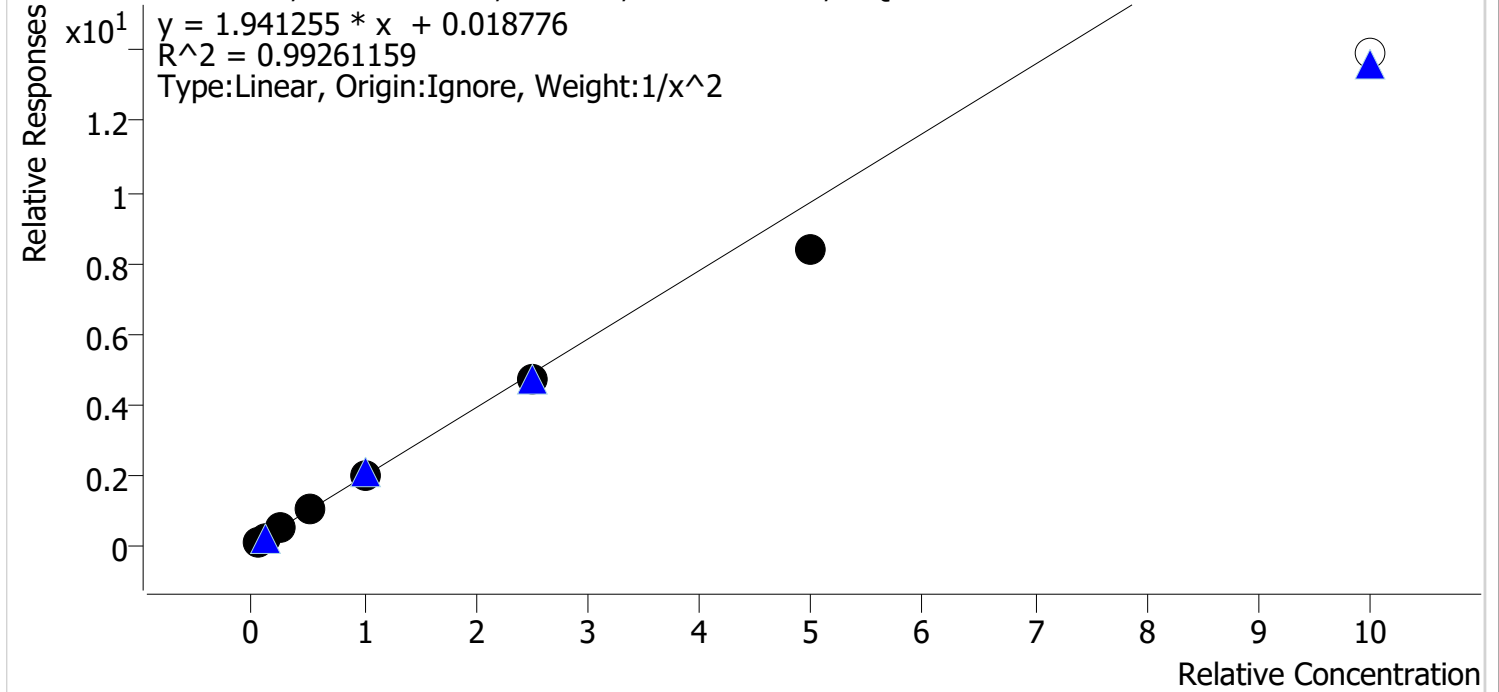
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	4.9	98.6
cal 2	2	✓	10.0	10.1	101.1
cal 3	3	✓	25.0	25.6	102.4
cal 4	4	✓	50.0	51.9	103.7
cal 5	5	✓	100.0	100.4	100.4
cal 6	6	✓	250.0	244.9	98.0
cal 7	7	✓	500.0	496.5	99.3
cal 8	8	✓	1000.0	964.3	96.4

Compound Calibration Report

Batch results D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin
Last Cal. Update 10/24/2019 12:45 PM
Analyst Name ISP\datastor
Analyte Trazodone **Internal Standard** Trazodone-D6

Byylee

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



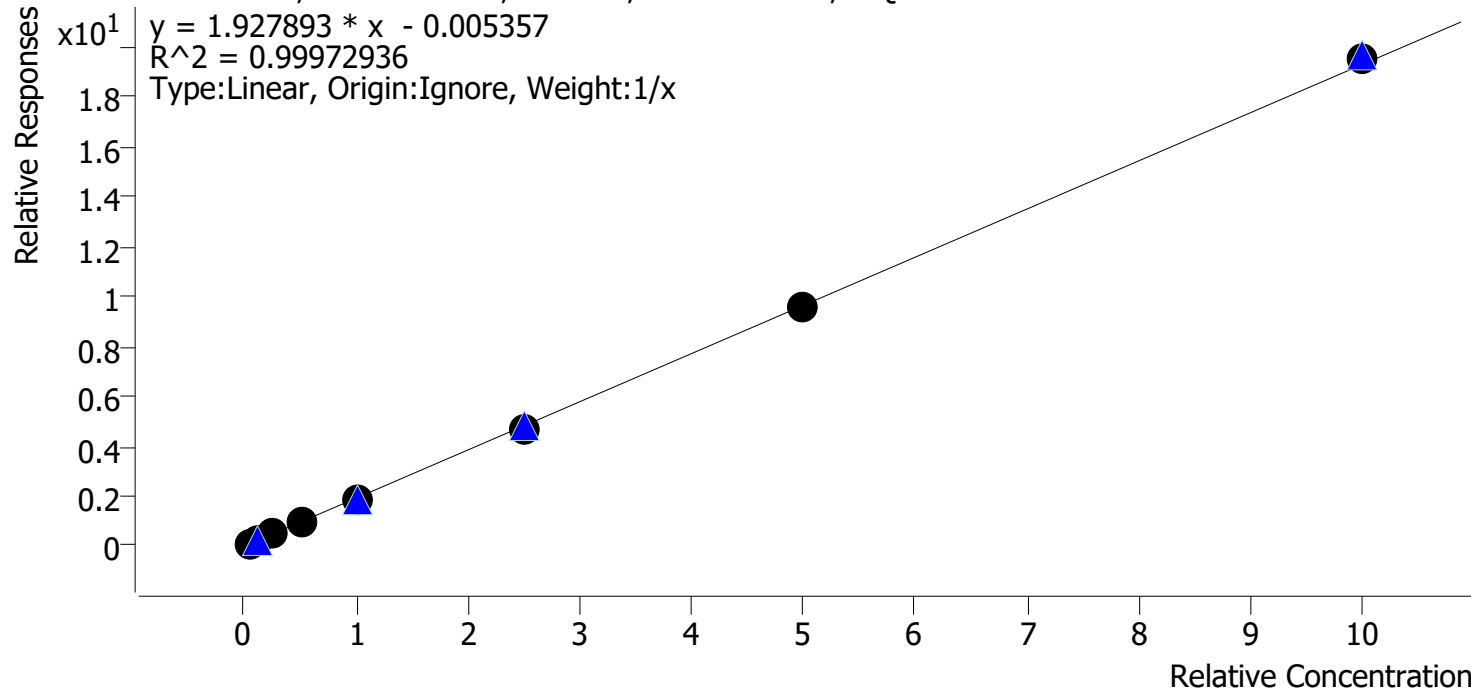
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	4.8	96.2
cal 2	2	✓	10.0	10.4	103.9
cal 3	3	✓	25.0	26.5	106.2
cal 4	4	✓	50.0	53.4	106.9
cal 5	5	✓	100.0	103.6	103.6
cal 6	6	✓	250.0	241.8	96.7
cal 7	7	✓	500.0	432.9	86.6
cal 8	8	x	1000.0	715.9	71.6

Compound Calibration Report

Batch results D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin
Last Cal. Update 10/24/2019 12:45 PM
Analyst Name ISP\datastor
Analyte Venlafaxine Internal Standard Venlafaxine-D6

Byylee

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



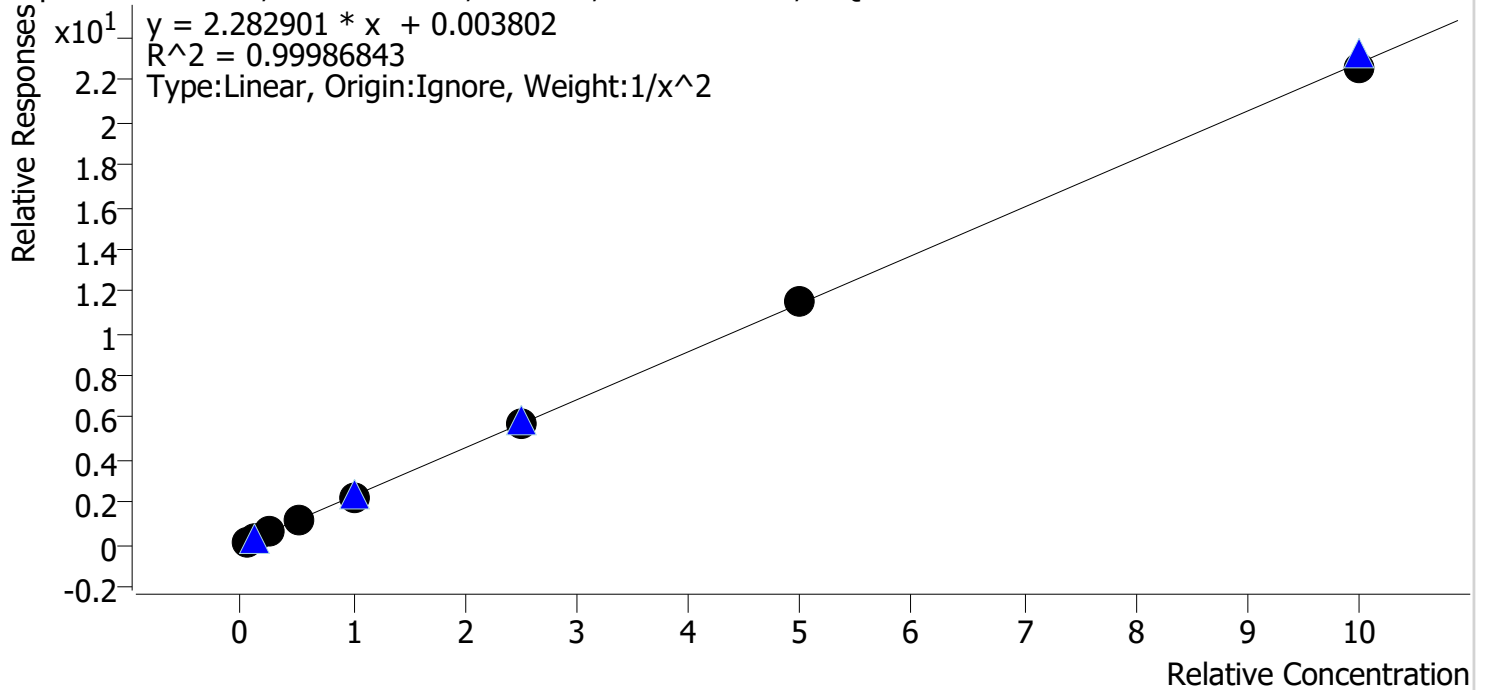
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1	1	✓	5.0	5.3	106.2
cal 2	2	✓	10.0	10.1	101.3
cal 3	3	✓	25.0	24.3	97.1
cal 4	4	✓	50.0	50.5	100.9
cal 5	5	✓	100.0	96.0	96.0
cal 6	6	✓	250.0	244.3	97.7
cal 7	7	✓	500.0	497.9	99.6
cal 8	8	✓	1000.0	1011.6	101.2

Compound Calibration Report

Batch results D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin
Last Cal. Update 10/24/2019 12:45 PM
Analyst Name ISP\datastor
Analyte Zolpidem *B. Wylee*

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
cal 1	1	✓	5.0	5.0	100.1
cal 2	2	✓	10.0	10.0	99.8
cal 3	3	✓	25.0	24.8	99.4
cal 4	4	✓	50.0	50.8	101.6
cal 5	5	✓	100.0	98.6	98.6
cal 6	6	✓	250.0	251.2	100.5
cal 7	7	✓	500.0	504.9	101.0
cal 8	8	✓	1000.0	991.3	99.1

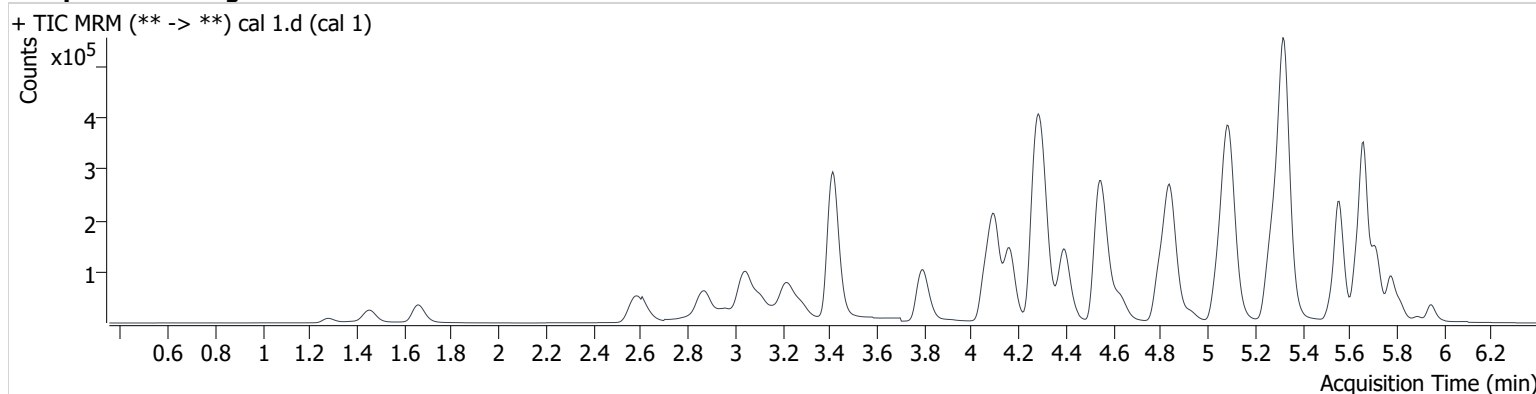
AM #28 Multi-Drug Quant. Results

Wylie

Batch results D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin
Calibration Last Update 10/24/2019 12:45:32 PM

Instrument	69679	Data File	cal 1.d
Type	Cal	Sample	cal 1
Acq. Method	mdq p1 cda 121818.m	Operator	Britany Wylie
Sample Position	P2-A1	Comment	
Injection Volume	2		
Acq. Date-Time	10/22/2019 3:37:35 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.183	1089	1178.6	68.1	288.9	55240	0.521 ng/ml
7-aminoclonazepam	4.302	12275	3553.8	82.1	10651.7	98192	4.743 ng/ml
a-hydroxyalprazolam	5.704	468	18.0	62.9	273.5	5426	4.660 ng/ml
alpha-PVP	4.402	47210	1279.8	52.2	973.7	393392	5.298 ng/ml
Alprazolam	5.777	11983	717.7	113.6	10809.2	83450	5.360 ng/ml
Amphetamine	3.117	60031	290.2	54.6	122.5	213220	4.795 ng/ml
Benzoylcegonine	3.931	1024	1311.1	5.4 Low	∞	7193	4.273 ng/ml
Buprenorphine	5.673	632	341.4	13.8	78.6	42718	0.572 ng/ml
Bupropion	4.819	48539	1447.7	59.0	1019.8	364117	4.928 ng/ml
Carisoprodol	5.728	8571	9325.4	62.4	65.8	81127	4.974 ng/ml
Citalopram	5.261	40237	3834.0	46.7	86.8	341334	4.971 ng/ml
Clonazepam	5.622	1461	280.7	38.0	604.9	5568	4.780 ng/ml
Cocaine	4.302	39470	56855.4	45.4	87.2	603174	5.064 ng/ml
Codeine	2.638	5617	446.1	107.7	396.2	55508	4.936 ng/ml
Cyclobenzaprine	5.635	35283	36973.4	9.4	3092.4	269698	5.044 ng/ml
Dextromethorphan	5.306	27331	188.8	75.6	162.0	255167	4.968 ng/ml
Dextrorphan	4.161	16669	21538.7	215.0	37458.1	373251	4.905 ng/ml
Diazepam	5.952	7878	7639.2	82.3	6399.8	70199	4.938 ng/ml
Dihydrocodeine	2.611	15863	3628.2	62.4	530.1	171236	4.825 ng/ml
Diphenhydramine	5.327	112256	1584.7	35.0	29817.8	1238600	5.366 ng/ml
Doxylamine	4.564	114686	4390.6	97.2	84834.5	960898	4.999 ng/ml
EDDP	5.295	15834	13241.4	234.1	680.7	355427	5.065 ng/ml
Fentanyl	5.117	4058	1564.3	75.5	162.4	413337	0.626 ng/ml
Fluoxetine	5.710	25523	20427.7	8.6	301.9	203219	5.089 ng/ml
Hydrocodone	3.068	15030	644.9	37.7	18.1	171039	5.366 ng/ml
Hydromorphone	1.668	14359	6495.4	73.4	573.7	107374	4.982 ng/ml
Ketamine	4.076	34764	390.7	39.0	175.9	327638	4.939 ng/ml
Lorazepam	5.755	595	14.0	64.4	1.4 Low	83450	3.912 ng/ml
Meprobamate	4.947	4948	16.1	30.5	215.4	46758	4.914 ng/ml
Methadone	5.664	72258	2077.2	47.7	23148.5	687008	5.476 ng/ml
Methamphetamine	3.284	47462	87.4	40.1	11.3	267738	4.938 ng/ml
Metoprolol	4.359	9975	9273.0	98.5	2339.3	1238600	3.553 ng/ml
Mirtazapine	4.635	75590	10188.3	44.8	1176.8	687008	4.826 ng/ml

AM #28 Multi-Drug Quant. Results

BWylee

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mitragynine	5.245	11022	14099.9	36.9	2247.5	255167	4.751 ng/ml
Morphine	1.287	3213	1742.3	20.8	2758.4	8762	4.920 ng/ml
Norbuprenorphine	5.055	96	97.7	21.3 Low	45.5	5880	0.132 ng/ml
Nordiazepam	5.897	2508	1138.9	61.3	1141.2	16635	5.014 ng/ml
Norfentanyl	4.122	6409	197.0	42.5	183.8	562919	0.510 ng/ml
Norhydrocodone	3.120	751	559.1	41.2	55.3	51463	6.533 ng/ml
Noroxycodone	2.972	10600	67.5	41.7	543.2	74821	4.486 ng/ml
O-desmethyl-tramadol	3.420	86677	12140.4	7.0	∞	897729	5.330 ng/ml
Oxazepam	5.758	838	31.1	83.4	10.8	9175	5.205 ng/ml
Oxycodone	2.894	26690	179.5	28.6	559.4	251958	4.903 ng/ml
Oxymorphone	1.455	11952	17.4	44.9	341.4	94044	4.424 ng/ml
Phentermine	3.833	19206	22.0	5.4	60.0	364739	4.893 ng/ml
Promethazine	5.558	57083	1491.6	31.9	693.9	503601	5.237 ng/ml
Quetiapine	5.539	40088	45586.2	60.5	25654.7	118909	4.856 ng/ml
Sertraline	5.777	9321	7940.3	105.7	8764.9	87014	4.998 ng/ml
Temazepam	5.824	5794	123.5	27.8	14.8	56977	5.081 ng/ml
Tramadol	4.283	93814	270.0	3.1	211.0	918319	4.932 ng/ml
Trazodone	5.086	45318	43276.0	78.3	46876.4	404243	4.808 ng/ml
Venlafaxine	5.083	73276	2994.6	40.0	52.2	755106	5.311 ng/ml
Zolpidem	4.863	83808	1293.2	30.6	23351.1	709567	5.007 ng/ml

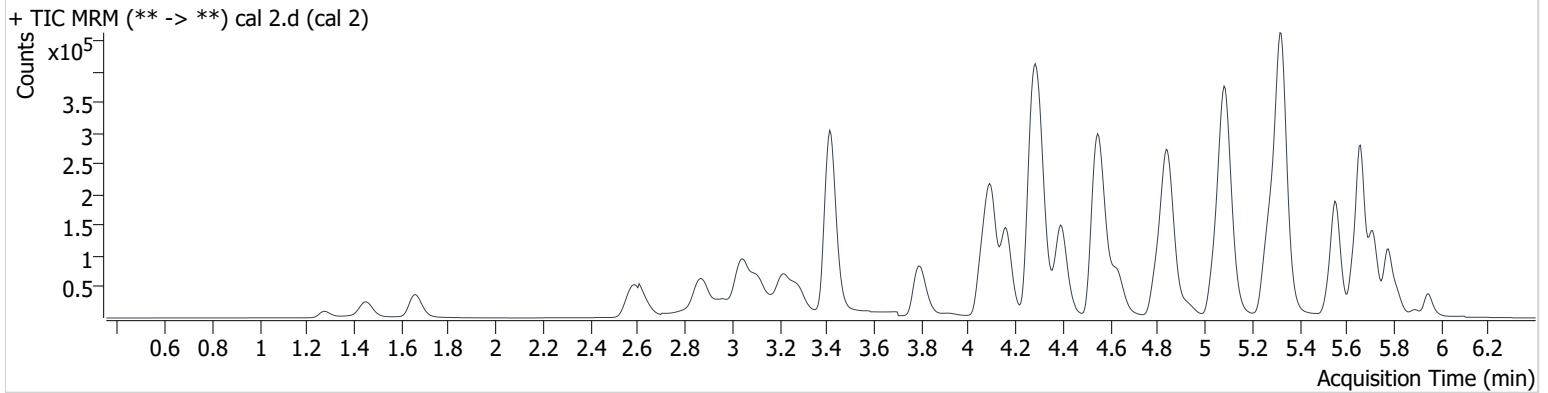
AM #28 Multi-Drug Quant. Results

B. Wylie

Batch results D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin
Calibration Last Update 10/24/2019 12:45:32 PM

Instrument	69679	Data File	cal 2.d
Type	Cal	Sample	cal 2
Acq. Method	mdq p1 cda 121818.m	Operator	Britany Wylie
Sample Position	P2-B1	Comment	
Injection Volume	2		
Acq. Date-Time	10/22/2019 3:48:24 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.183	1816	1999.7	72.1	463.5	52145	0.940 ng/ml
7-aminoclonazepam	4.297	23124	6808.7	82.7	30979.0	97682	10.408 ng/ml
a-hydroxyalprazolam	5.704	1043	922.6	50.8	178.9	4959	11.360 ng/ml
alpha-PVP	4.402	80172	18410.9	53.8	4561.8	357184	9.853 ng/ml
Alprazolam	5.777	23073	211.8	106.3	635.0	81368	10.324 ng/ml
Amphetamine	3.117	99847	193.6	53.2	104.2	188621	10.337 ng/ml
Benzoylcegonine	3.926	4066	3522.5	7.7	626.1	7296	10.180 ng/ml
Buprenorphine	5.678	749	486.1	16.9	80.4	30238	0.957 ng/ml
Bupropion	4.819	64048	78847.5	57.7	851.4	254727	10.120 ng/ml
Carisoprodol	5.728	17117	24428.3	56.0	53.3	79577	10.246 ng/ml
Citalopram	5.266	59284	1574.9	45.0	35971.3	262213	9.866 ng/ml
Clonazepam	5.628	2881	2331.9	34.7	1100.5	5194	10.414 ng/ml
Cocaine	4.302	68643	166.1	46.0	27102.7	541354	10.023 ng/ml
Codeine	2.638	10429	1617.4	107.7	1786.9	53031	10.103 ng/ml
Cyclobenzaprine	5.635	45673	31561.6	8.8	786.0	175127	10.207 ng/ml
Dextromethorphan	5.306	38723	29556.9	73.2	844.4	182169	10.096 ng/ml
Dextrorphan	4.161	29126	36989.5	210.4	84893.8	332810	9.946 ng/ml
Diazepam	5.952	13839	26087.6	86.6	778.8	68251	9.523 ng/ml
Dihydrocodeine	2.611	28937	284.3	64.6	1406.0	162871	10.145 ng/ml
Diphenhydramine	5.332	169303	2590.6	33.6	529.9	941618	10.187 ng/ml
Doxylamine	4.564	208630	330104.3	96.4	7768.2	889593	10.025 ng/ml
EDDP	5.295	21657	460.4	238.1	17176.5	253222	9.831 ng/ml
Fentanyl	5.117	5357	1041.1	72.4	2901.4	284112	1.036 ng/ml
Fluoxetine	5.710	42828	83344.5	8.4	4050.3	174384	10.176 ng/ml
Hydrocodone	3.074	23345	12.1	43.5	288.9	163293	8.766 ng/ml
Hydromorphone	1.668	25952	4457.5	74.2	996.8	100142	9.905 ng/ml
Ketamine	4.076	65223	140290.4	37.7	532.6	312077	10.168 ng/ml
Lorazepam	5.750	1391	597.7	45.8	8.8 Low	81368	11.458 ng/ml
Meprobamate	4.952	9541	9596.6	28.2	20.3	44580	10.315 ng/ml
Methadone	5.664	100093	2929.3	46.7	1139.1	489815	10.276 ng/ml
Methamphetamine	3.279	71476	142.0	40.8	81.4	234552	10.144 ng/ml
Metoprolol	4.359	17805	16468.5	97.7	1666.1	941618	9.663 ng/ml
Mirtazapine	4.635	123437	80652.1	46.6	1636.7	489815	10.230 ng/ml

AM #28 Multi-Drug Quant. Results

BWylee

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mitragynine	5.245	14898	1587.7	39.5	7267.9	182169	8.720 ng/ml
Morphine	1.282	5924	31370.2	21.5	543.3	8006	10.142 ng/ml
Norbuprenorphine	5.034	97	19.8	90.1	106.1	4675	0.383 ng/ml
Nordiazepam	5.897	4688	4525.3	62.3	3421.2	16445	9.766 ng/ml
Norfentanyl	4.122	11990	2262.8	40.3	39.2	545482	0.980 ng/ml
Norhydrocodone	3.125	1393	47.0	41.5	377.7	49654	9.843 ng/ml
Noroxycodone	2.972	20020	595.2	40.3	250.6	70690	9.943 ng/ml
O-desmethyl-tramadol	3.420	159480	52147.8	6.4	501.5	851919	10.143 ng/ml
Oxazepam	5.763	1653	50.5	80.2	20.6	8686	10.695 ng/ml
Oxycodone	2.894	47182	307.1	28.9	523.8	239349	9.679 ng/ml
Oxymorphone	1.455	21814	61525.1	44.5	3147.8	89065	9.666 ng/ml
Phentermine	3.828	27399	61.7	6.2	104.6	290405	10.017 ng/ml
Promethazine	5.558	69686	69746.1	31.5	483.9	309887	10.269 ng/ml
Quetiapine	5.539	71113	3931.2	59.8	813.2	104502	10.372 ng/ml
Sertraline	5.777	21116	18878.3	101.1	12844.5	99330	10.152 ng/ml
Temazepam	5.824	10618	377.2	29.2	32.9	54320	9.810 ng/ml
Tramadol	4.283	165924	281.3	3.3	32.4	861144	10.109 ng/ml
Trazodone	5.091	80567	79498.8	80.2	15282.7	365461	10.389 ng/ml
Venlafaxine	5.083	129342	5268.5	38.6	346.7	681009	10.129 ng/ml
Zolpidem	4.863	158353	2358.0	30.0	9053.8	683930	9.976 ng/ml

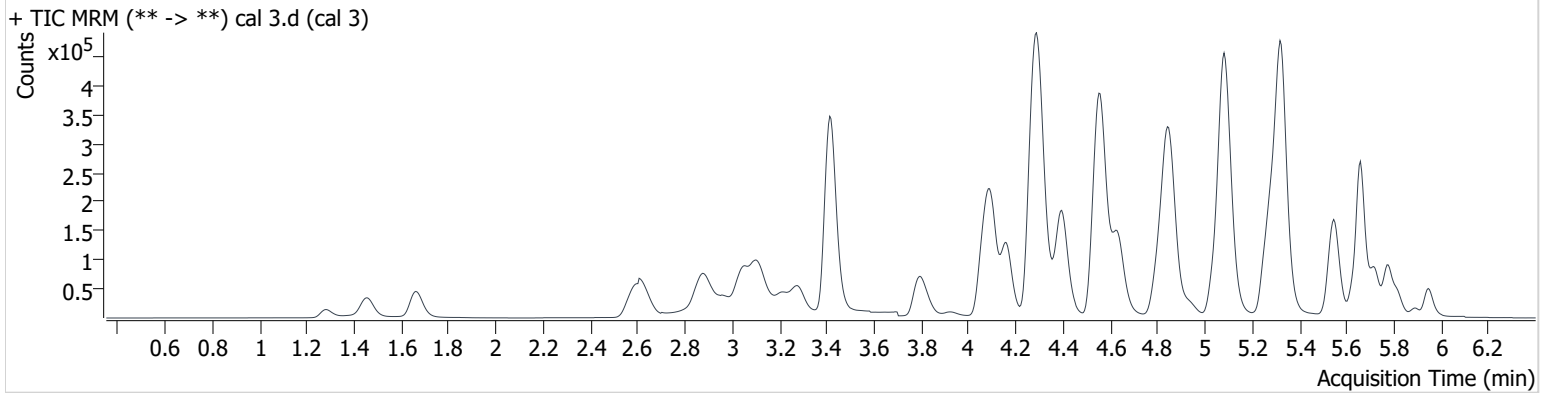
AM #28 Multi-Drug Quant. Results

Wylie

Batch results D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin
Calibration Last Update 10/24/2019 12:45:32 PM

Instrument	69679	Data File	cal 3.d
Type	Cal	Sample	cal 3
Acq. Method	mdq p1 cda 121818.m	Operator	Britany Wylie
Sample Position	P2-C1	Comment	
Injection Volume	2		
Acq. Date-Time	10/22/2019 3:59:12 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.188	3976	4907.0	72.3	3186.7	45696	2.386 ng/ml
7-aminoclonazepam	4.302	52410	9479.5	82.8	108.8	92413	27.162 ng/ml
a-hydroxyalprazolam	5.704	2218	1892.1	66.1	570.1	4827	24.813 ng/ml
alpha-PVP	4.402	178367	4559.9	52.2	4114.7	315054	24.754 ng/ml
Alprazolam	5.777	52260	2249.9	112.4	2175.5	77165	24.286 ng/ml
Amphetamine	3.117	171110	580.8	53.5	466.6	134552	26.942 ng/ml
Benzoylcegonine	3.926	10311	14763.8	8.6	309.6	6205	25.895 ng/ml
Buprenorphine	5.673	1598	1735.2	14.8	314.1	25958	2.373 ng/ml
Bupropion	4.819	124260	3806.3	59.2	764.1	207518	25.385 ng/ml
Carisoprodol	5.728	38931	41187.6	56.1	737.0	76600	24.365 ng/ml
Citalopram	5.261	113620	1732.0	45.4	50205.6	201496	25.144 ng/ml
Clonazepam	5.622	7449	6335.0	34.9	1716.3	5124	27.736 ng/ml
Cocaine	4.302	153680	263214.4	45.6	75918.2	496935	24.768 ng/ml
Codeine	2.638	22477	435.2	105.0	3892.3	46543	25.599 ng/ml
Cyclobenzaprine	5.630	48120	23495.0	9.5	1131.9	75693	25.097 ng/ml
Dextromethorphan	5.306	54487	1305.5	75.6	803.5	104569	25.097 ng/ml
Dextrorphan	4.166	47795	179.7	216.7	4632.3	219930	25.217 ng/ml
Diazepam	5.952	33520	25832.0	86.9	2422.0	65458	25.189 ng/ml
Dihydrocodeine	2.617	61944	1594.1	63.6	13701.0	139224	26.868 ng/ml
Diphenhydramine	5.327	328758	3974.5	33.8	93194.2	732993	24.715 ng/ml
Doxylamine	4.564	452358	4522.4	97.1	714.5	789322	24.799 ng/ml
EDDP	5.295	54363	39969.9	234.6	1672.7	256955	24.491 ng/ml
Fentanyl	5.117	10230	10461.5	70.7	6247.8	212116	2.368 ng/ml
Fluoxetine	5.710	20773	11151.5	9.4	1156.7	36314	24.013 ng/ml
Hydrocodone	3.074	53166	15.9	44.6	1046.3	144655	22.626 ng/ml
Hydromorphone	1.668	53811	9282.3	73.2	9189.5	80134	26.088 ng/ml
Ketamine	4.076	147873	125217.1	37.9	544.1	294071	25.103 ng/ml
Lamotrigine	4.330	16424	9166.2	87.5	15140.0	104569	7.766 ng/ml
Lorazepam	5.750	2714	155.2	64.0	16.1	77165	25.142 ng/ml
Meprobamate	4.952	21968	23889.7	30.0	2438.4	43564	24.802 ng/ml
Methadone	5.659	182437	620.6	47.6	3363.0	371423	24.158 ng/ml
Methamphetamine	3.284	79277	108.2	38.4	48.7	117978	25.145 ng/ml
Metoprolol	4.359	40207	609.4	94.9	9932.9	732993	29.893 ng/ml

AM #28 Multi-Drug Quant. Results

Bylee

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.635	262332	116421.6	46.3	10285.8	371423	27.523 ng/ml
Mitragynine	5.245	29702	28579.8	37.6	783.1	104569	29.527 ng/ml
Morphine	1.287	12079	69701.8	21.5	18270.0	6488	25.837 ng/ml
Norbuprenorphine	5.034	241	266.2	72.9 Low	176.3	3847	2.750 ng/ml
Nordiazepam	5.897	11509	6707.5	61.5	2836.8	15751	25.537 ng/ml
Norfentanyl	4.122	25293	8405.4	40.1	91.7	466242	2.413 ng/ml
Norhydrocodone	3.115	3310	1064.3	41.7	326.9	44194	21.354 ng/ml
Noroxycodone	2.977	43798	889.1	41.3	744.1	64503	25.204 ng/ml
O-desmethyl-tramadol	3.420	363312	59824.7	6.4	241.3	794752	24.472 ng/ml
Oxazepam	5.758	3661	216.4	79.4	49.4	8393	24.328 ng/ml
Oxycodone	2.894	116914	3186.3	28.7	747.8	230205	25.956 ng/ml
Oxymorphone	1.455	51259	205470.7	43.8	128723.1	84030	25.908 ng/ml
Phentermine	3.828	52304	142.3	5.4	158.8	230911	26.263 ng/ml
Promethazine	5.558	70348	44238.2	31.8	732.4	131580	24.244 ng/ml
Quetiapine	5.539	153787	235.6	60.9	30144.5	95264	25.374 ng/ml
Sertraline	5.777	7474	7620.4	104.5	5893.7	14845	24.366 ng/ml
Temazepam	5.819	25174	556.1	29.6	115.8	52907	23.948 ng/ml
Tramadol	4.283	374144	69670.4	3.5	281.7	806857	25.611 ng/ml
Trazodone	5.086	180816	191316.7	80.3	91997.6	338596	26.542 ng/ml
Venlafaxine	5.083	288362	16205.9	39.4	571.9	623514	24.267 ng/ml
Zolpidem	4.863	369567	1382.0	29.9	2297.3	647166	24.848 ng/ml

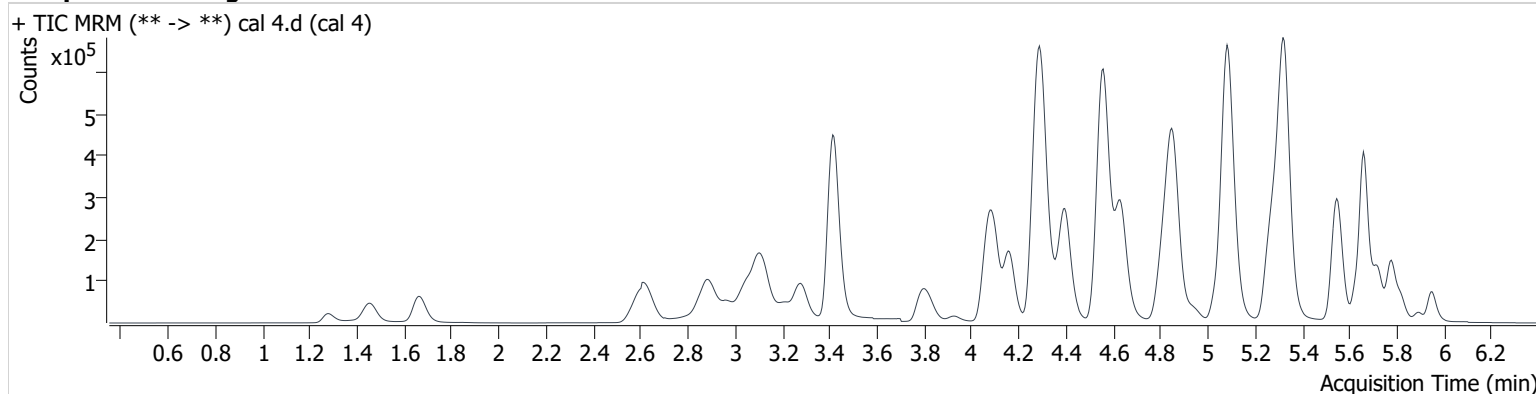
AM #28 Multi-Drug Quant. Results

Bylye

Batch results D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin
Calibration Last Update 10/24/2019 12:45:32 PM

Instrument	69679	Data File	cal 4.d
Type	Cal	Sample	cal 4
Acq. Method	mdq p1 cda 121818.m	Operator	Britany Wylie
Sample Position	P2-D1	Comment	
Injection Volume	2		
Acq. Date-Time	10/22/2019 4:09:59 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.183	7875	7375.2	70.9	564.7	43334	5.008 ng/ml
7-aminoclonazepam	4.297	98990	55938.0	83.4	18950.9	87383	55.847 ng/ml
a-hydroxyalprazolam	5.704	4556	64.7	59.2	982.9	4598	53.485 ng/ml
alpha-PVP	4.402	360723	57337.4	53.5	5314.3	317885	49.551 ng/ml
Alprazolam	5.777	103083	705.6	110.5	1322.0	74917	49.066 ng/ml
Amphetamine	3.117	344009	517.8	53.8	1652.9	138758	53.950 ng/ml
Benzoylcegonine	3.926	21801	12927.1	7.9	1758.4	5913	54.721 ng/ml
Buprenorphine	5.673	3213	2755.1	17.2	542.2	26271	4.710 ng/ml
Bupropion	4.819	254879	2448.2	60.5	4250.2	210043	52.399 ng/ml
Carisoprodol	5.728	75147	57775.7	59.1	1571.4	72740	49.646 ng/ml
Citalopram	5.261	236027	14611.2	46.5	136013.7	210459	50.364 ng/ml
Clonazepam	5.622	14018	13970.0	35.1	4539.7	5183	51.845 ng/ml
Cocaine	4.302	305213	301260.5	45.2	8887.3	487166	50.408 ng/ml
Codeine	2.638	43059	1137.1	108.0	3180.5	45395	50.799 ng/ml
Cyclobenzaprine	5.635	115208	110622.2	9.4	596.5	91755	49.716 ng/ml
Dextromethorphan	5.306	116474	1793.2	76.1	92905.8	110567	50.984 ng/ml
Dextrorphan	4.161	92373	117953.4	217.0	17279.0	209427	51.541 ng/ml
Diazepam	5.952	67984	1998.9	86.2	3221.6	65866	51.528 ng/ml
Dihydrocodeine	2.611	121009	2055.4	64.0	1631.3	134639	55.266 ng/ml
Diphenhydramine	5.332	690947	22909.8	34.5	14177.4	763955	49.365 ng/ml
Doxylamine	4.564	914557	158061.3	96.3	110202.3	783209	50.747 ng/ml
EDDP	5.295	109897	107323.6	233.1	5505.9	255923	49.830 ng/ml
Fentanyl	5.117	22435	157.7	69.3	6102.9	229482	4.614 ng/ml
Fluoxetine	5.710	62452	15385.2	8.6	5511.3	53618	49.139 ng/ml
Hydrocodone	3.068	121004	1031.0	38.8	601.3	138501	53.863 ng/ml
Hydromorphone	1.668	97558	47678.8	75.8	109037.9	75590	50.386 ng/ml
Ketamine	4.076	297714	3923.6	37.7	3119.5	290982	51.546 ng/ml
Lamotrigine	4.330	32315	570.2	90.2	13594.3	110567	57.049 ng/ml
Lorazepam	5.750	5140	246.8	59.9	64.3	74917	50.451 ng/ml
Meprobamate	4.952	42889	53460.0	29.7	369.6	41299	51.467 ng/ml
Methadone	5.664	400359	29364.2	47.2	3173.2	398577	48.999 ng/ml
Methamphetamine	3.279	162691	210.0	40.3	116.5	125075	50.828 ng/ml
Metoprolol	4.359	80177	77500.7	96.2	663.6	763955	58.087 ng/ml

AM #28 Multi-Drug Quant. Results *BWylee*

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.635	552380	228465.8	46.0	2026.9	398577	53.392 ng/ml
Mitragynine	5.240	62441	66677.2	37.2	1491.1	110567	58.403 ng/ml
Morphine	1.282	22260	11522.3	21.2	18177.3	5973	51.926 ng/ml
Norbuprenorphine	5.034	445	323.5	97.9	397.1	4123	5.309 ng/ml
Nordiazepam	5.897	23659	39146.5	60.9	14016.1	15796	52.683 ng/ml
Norfentanyl	4.122	48336	303.0	41.9	103.6	438459	4.898 ng/ml
Norhydrocodone	3.120	7145	33.7	42.5	2670.0	44387	42.513 ng/ml
Noroxycodone	2.977	85719	1137.4	40.8	773.8	62189	52.169 ng/ml
O-desmethyl-tramadol	3.420	720955	56666.3	6.3	3052.2	778547	49.363 ng/ml
Oxazepam	5.763	7178	253.5	71.1	90.4	7978	50.028 ng/ml
Oxycodone	2.894	228224	3889.6	29.5	318.3	226098	52.226 ng/ml
Oxymorphone	1.455	99153	864775.9	44.6	240998.3	81118	53.148 ng/ml
Phentermine	3.828	112070	192.5	5.1	461.8	244090	54.856 ng/ml
Promethazine	5.558	168927	179855.6	31.6	2954.2	154286	49.522 ng/ml
Quetiapine	5.539	317295	214363.1	60.4	5703.2	94518	53.370 ng/ml
Sertraline	5.777	24211	13933.3	103.6	174.7	23968	49.129 ng/ml
Temazepam	5.824	52770	2291.3	29.7	252.1	52166	50.967 ng/ml
Tramadol	4.283	742825	35618.9	3.4	197.0	805156	51.858 ng/ml
Trazodone	5.086	365160	336303.0	80.0	65326.2	345732	53.441 ng/ml
Venlafaxine	5.083	594679	6991.4	38.5	4600.2	614506	50.474 ng/ml
Zolpidem	4.858	732956	6138154.2	30.2	275942.9	630167	50.782 ng/ml

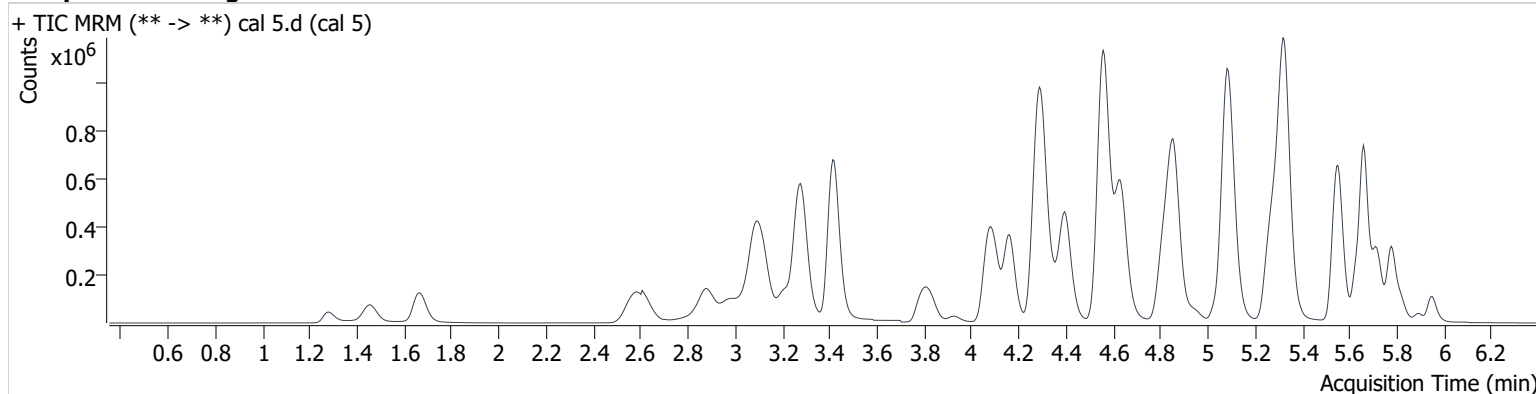
AM #28 Multi-Drug Quant. Results

BWylie

Batch results D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin
Calibration Last Update 10/24/2019 12:45:32 PM

Instrument	69679	Data File	cal 5.d
Type	Cal	Sample	cal 5
Acq. Method	mdq p1 cda 121818.m	Operator	Britany Wylie
Sample Position	P2-E1	Comment	
Injection Volume	2		
Acq. Date-Time	10/22/2019 4:20:47 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.178	15712	3314.2	73.5	16429.0	47703	9.098 ng/ml
7-aminoclonazepam	4.297	173009	14833.7	82.9	12709.8	80337	107.605 ng/ml
a-hydroxyalprazolam	5.704	8063	397.3	63.9	6280.0	4788	90.898 ng/ml
alpha-PVP	4.402	745372	61656.9	52.6	21854.6	335744	96.880 ng/ml
Alprazolam	5.777	196289	2019.5	109.3	2222.5	73171	95.408 ng/ml
Amphetamine	3.101	1093151	841.5	54.2	1371.9	230116	104.751 ng/ml
Benzoylcegonine	3.926	43080	144.9	8.1	82.2	7339	85.785 ng/ml
Buprenorphine	5.673	6790	1985.6	15.0	1066.6	26361	9.918 ng/ml
Bupropion	4.819	568902	572523.2	59.8	2607.6	243446	101.770 ng/ml
Carisoprodol	5.728	143955	157593.8	58.8	3074.7	72023	96.156 ng/ml
Citalopram	5.261	528015	411.0	45.6	49730.3	237999	99.984 ng/ml
Clonazepam	5.628	25128	25661.4	34.3	9305.9	5119	94.322 ng/ml
Cocaine	4.302	592672	8757.9	45.3	7369.3	484118	98.714 ng/ml
Codeine	2.618	89916	72.4	104.8	200.8	46966	103.086 ng/ml
Cyclobenzaprine	5.630	371197	1546.2	9.3	1954.9	149155	98.689 ng/ml
Dextromethorphan	5.306	332655	128472.7	75.7	184758.4	165643	97.413 ng/ml
Dextrorphan	4.161	262281	373883.6	216.1	568411.1	311535	98.695 ng/ml
Diazepam	5.952	120714	2363.2	87.5	2455.5	61296	98.995 ng/ml
Dihydrocodeine	2.581	268062	20839.9	64.1	17989.3	154741	107.425 ng/ml
Diphenhydramine	5.332	1518729	3372.4	34.4	25150.6	869841	94.865 ng/ml
Doxylamine	4.564	1949010	153244.6	97.1	159021.6	866611	97.933 ng/ml
EDDP	5.295	206093	274218.5	236.1	5466.5	241340	99.211 ng/ml
Fentanyl	5.112	49711	40721.2	71.6	17411.5	257311	8.942 ng/ml
Fluoxetine	5.710	294384	132548.6	8.6	1382.6	124254	100.195 ng/ml
Hydrocodone	3.068	253393	1724.1	39.4	883.9	148699	105.112 ng/ml
Hydromorphone	1.668	234672	31274.9	71.8	2456.7	93031	98.734 ng/ml
Ketamine	4.076	588199	895221.5	37.8	3902.0	298011	99.860 ng/ml
Lamotrigine	4.329	61111	1837.0	88.0	2188.6	165643	84.995 ng/ml
Lorazepam	5.750	9285	1071.7	58.9	110.5	73171	94.578 ng/ml
Meprobamate	4.952	82866	77528.9	28.7	137.9	40835	100.922 ng/ml
Methadone	5.664	885840	35882.9	47.7	798.7	459068	93.774 ng/ml
Methamphetamine	3.279	1218824	2399.6	40.5	1752.6	460995	105.692 ng/ml
Metoprolol	4.359	158747	50700.1	96.1	7239.5	869841	101.733 ng/ml

AM #28 Multi-Drug Quant. Results *Byylee*

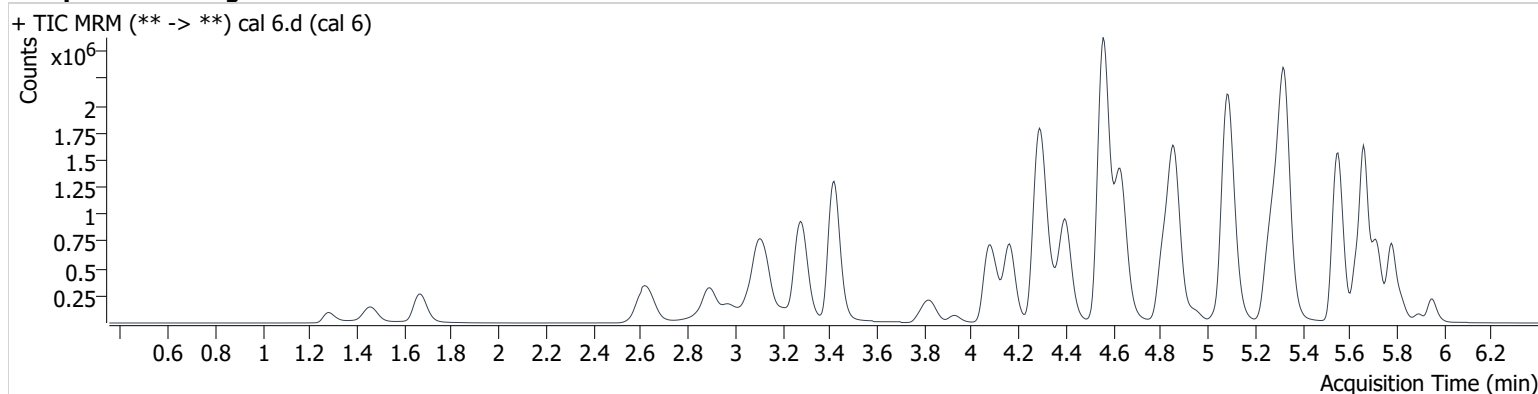
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.635	1155566	76521.6	46.1	174921.8	459068	96.455 ng/ml
Mitragynine	5.245	137574	168164.8	38.4	62860.5	165643	85.748 ng/ml
Morphine	1.282	50640	182355.6	20.8	38628.9	7198	98.222 ng/ml
Norbuprenorphine	5.034	774	487.0	104.0	819.6	4484	8.957 ng/ml
Nordiazepam	5.897	42134	51814.0	62.3	8760.3	15036	98.849 ng/ml
Norfentanyl	4.122	112531	1039561.6	40.7	766.2	522592	9.562 ng/ml
Norhydrocodone	3.120	19780	27.2	41.4	267.1	53236	94.271 ng/ml
Noroxycodone	2.967	178600	1047.4	41.6	329.6	66666	102.319 ng/ml
O-desmethyl-tramadol	3.420	1464251	85289.1	6.3	103.7	803790	96.910 ng/ml
Oxazepam	5.758	12317	210.0	74.6	152.2	7149	95.681 ng/ml
Oxycodone	2.879	408158	1980.1	29.4	416.4	218683	97.117 ng/ml
Oxymorphone	1.455	191066	752898.3	44.5	3316.5	82115	102.284 ng/ml
Phentermine	3.828	327654	626.3	5.1	1319.5	382260	103.779 ng/ml
Promethazine	5.558	571355	7848.9	31.7	1502.7	265225	97.317 ng/ml
Quetiapine	5.539	655958	674737.0	60.6	368388.3	102660	102.089 ng/ml
Sertraline	5.777	127347	102504.4	103.8	97545.9	63216	98.210 ng/ml
Temazepam	5.824	96112	2071.6	30.1	144.4	49100	98.670 ng/ml
Tramadol	4.283	1453587	120270.0	3.5	362.3	820504	100.418 ng/ml
Trazodone	5.086	725891	64633.3	79.0	2916.7	357599	103.599 ng/ml
Venlafaxine	5.083	1178305	42972.5	38.8	3319.6	638589	95.987 ng/ml
Zolpidem	4.858	1468898	870449.7	30.1	593764.4	651796	98.551 ng/ml

AM #28 Multi-Drug Quant. Results *BWylie*

Batch results D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin
Calibration Last Update 10/24/2019 12:45:32 PM

Instrument	69679	Data File	cal 6.d
Type	Cal	Sample	cal 6
Acq. Method	mdq p1 cda 121818.m	Operator	Britany Wylie
Sample Position	P2-F1	Comment	
Injection Volume	2		
Acq. Date-Time	10/22/2019 4:31:35 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.183	38471	672.3	75.3	1048.5	42562	25.009 ng/ml
7-aminoclonazepam	4.297	304899	16204.2	83.3	10912.0	61718	248.910 ng/ml
a-hydroxyalprazolam	5.704	20533	1797.2	58.2	670.9	4745	233.559 ng/ml
alpha-PVP	4.402	1811814	2253.4	52.2	98047.5	315689	250.349 ng/ml
Alprazolam	5.777	464163	1428.1	109.8	4525.6	66572	247.545 ng/ml
Amphetamine	3.117	2022605	5869.6	52.4	2524.8	183023	245.679 ng/ml
Benzoylcegonine	3.926	122456	929.6	8.2	167.8	7375	238.541 ng/ml
Buprenorphine	5.678	16689	2345.9	16.0	771.3	25204	25.493 ng/ml
Bupropion	4.814	1387802	85764.2	60.4	1216.9	241548	251.569 ng/ml
Carisoprodol	5.728	329792	365940.0	57.5	754.1	62257	255.031 ng/ml
Citalopram	5.261	1254949	256950.3	45.8	829909.9	225142	251.750 ng/ml
Clonazepam	5.622	59312	3709.7	33.3	2197.6	4284	266.488 ng/ml
Cocaine	4.302	1340625	115417.8	45.6	412.3	435545	248.534 ng/ml
Codeine	2.643	196049	23093.0	104.2	37345.0	41697	253.952 ng/ml
Cyclobenzaprine	5.630	1079207	440908.9	9.6	2241.9	174048	246.114 ng/ml
Dextromethorphan	5.306	828016	382087.8	75.2	382350.3	159872	251.605 ng/ml
Dextrorphan	4.161	635738	762143.4	216.7	412095.8	297638	250.932 ng/ml
Diazepam	5.952	287620	33903.1	86.5	15934.1	56016	259.303 ng/ml
Dihydrocodeine	2.606	614724	1341.8	63.3	26478.6	152422	251.386 ng/ml
Diphenhydramine	5.332	3701093	3189.4	33.5	10087.0	819327	244.697 ng/ml
Doxylamine	4.558	4891700	240268.4	97.1	215996.4	851766	250.405 ng/ml
EDDP	5.295	542088	259299.5	233.3	2415.0	252520	249.577 ng/ml
Fentanyl	5.117	136974	115967.8	75.0	111473.6	268037	23.355 ng/ml
Fluoxetine	5.710	980705	63331.8	8.5	62296.1	162866	255.016 ng/ml
Hydrocodone	3.068	621622	1864.4	39.0	802.2	150404	255.019 ng/ml
Hydromorphone	1.668	558451	39557.0	76.5	756.2	90136	242.893 ng/ml
Ketamine	4.076	1445243	2519.6	38.0	1155.9	290346	252.531 ng/ml
Lamotrigine	4.329	127681	6119.6	89.4	2635.9	159872	241.636 ng/ml
Lorazepam	5.750	19720	189.7	56.7	134.4	66572	222.751 ng/ml
Meprobamate	4.952	203197	333.3	29.1	16020.5	40414	250.593 ng/ml
Methadone	5.664	2395604	169263.0	46.4	117635.3	471966	246.037 ng/ml
Methamphetamine	3.279	1971187	774.9	40.3	3429.1	316823	251.834 ng/ml
Metoprolol	4.359	346554	6897.9	97.0	194642.2	819327	237.072 ng/ml

AM #28 Multi-Drug Quant. Results

Byylee

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.635	2863303	252511.9	45.8	189267.0	471966	231.570 ng/ml
Mitragynine	5.240	361248	407603.5	39.3	93421.8	159872	232.761 ng/ml
Morphine	1.282	120077	329.1	21.3	102066.5	6827	245.885 ng/ml
Norbuprenorphine	5.029	2033	315.1	97.7	485.4	4789	23.162 ng/ml
Nordiazepam	5.897	101659	39022.7	61.1	44146.2	14273	251.743 ng/ml
Norfentanyl	4.122	268417	22983.4	40.6	275.5	475878	25.040 ng/ml
Norhydrocodone	3.125	56846	1413.5	41.6	3083.8	53221	265.486 ng/ml
Noroxycodone	2.972	408058	1115.1	42.7	458.9	59858	261.875 ng/ml
O-desmethyl-tramadol	3.420	3633063	186488.6	6.3	9286.0	784668	245.994 ng/ml
Oxazepam	5.758	26164	2356.4	72.4	411.1	5960	243.580 ng/ml
Oxycodone	2.889	1046921	2732.1	29.6	2920.7	219214	249.508 ng/ml
Oxymorphone	1.455	453882	1473601.1	44.8	1387320.0	77812	258.268 ng/ml
Phentermine	3.828	647701	808.6	5.0	1386.9	315940	250.412 ng/ml
Promethazine	5.558	1781010	1323920.4	31.6	203733.8	325551	246.951 ng/ml
Quetiapine	5.534	1546329	10645.4	59.6	553147.1	97917	253.141 ng/ml
Sertraline	5.777	385398	336178.9	102.3	397148.9	73700	255.318 ng/ml
Temazepam	5.824	232425	35040.3	30.3	843.2	46187	253.733 ng/ml
Tramadol	4.283	3391600	111492.9	3.4	13103.3	789215	244.889 ng/ml
Trazodone	5.086	1674669	1082.0	79.2	96676.1	355295	241.838 ng/ml
Venlafaxine	5.083	2860978	164839.7	38.9	3676.4	608036	244.341 ng/ml
Zolpidem	4.858	3662533	1701.1	29.9	513058.0	638250	251.198 ng/ml

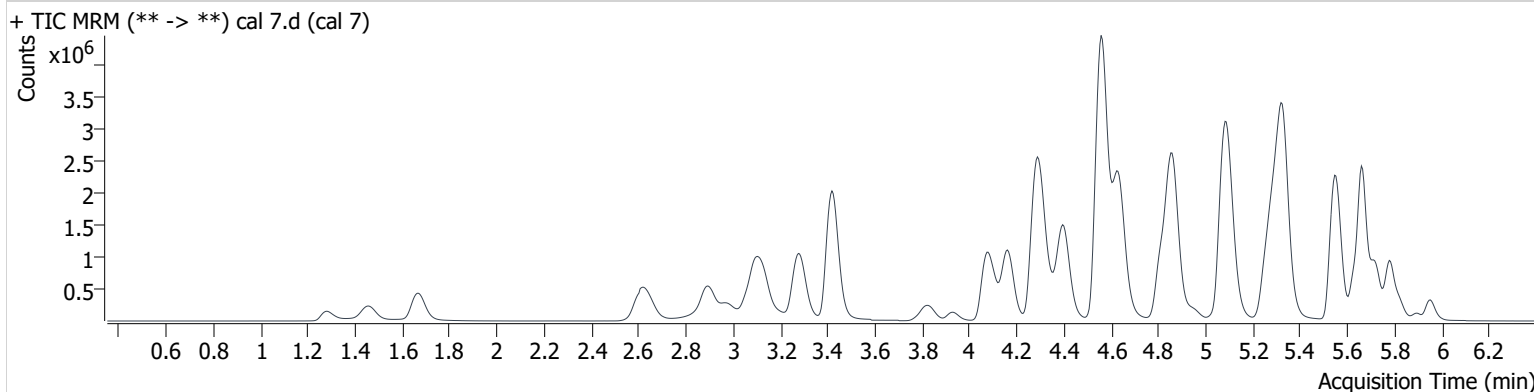
AM #28 Multi-Drug Quant. Results

B. Wylie

Batch results D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin
Calibration Last Update 10/24/2019 12:45:32 PM

Instrument	69679	Data File	cal 7.d
Type	Cal	Sample	cal 7
Acq. Method	mdq p1 cda 121818.m	Operator	Britany Wylie
Sample Position	P2-G1	Comment	
Injection Volume	2		
Acq. Date-Time	10/22/2019 4:42:22 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.183	70082	6839.3	73.7	151704.1	37226	52.114 ng/ml
7-aminoclonazepam	4.297	394644	22953.9	82.9	20178.1	43257	461.022 ng/ml
a-hydroxyalprazolam	5.704	36204	883.3	59.6	10938.0	3774	517.797 ng/ml
alpha-PVP	4.402	3068944	12604.9	52.6	296930.9	267519	500.345 ng/ml
Alprazolam	5.782	757574	5101.5	108.9	3172.1	54800	490.553 ng/ml
Amphetamine	3.117	2576509	16303.9	52.1	14422.3	123970	463.359 ng/ml
Benzoylcegonine	3.931	256544	36082.8	8.1	27805.2	7053	519.878 ng/ml
Buprenorphine	5.678	24860	17812.3	16.7	4432.4	19294	49.604 ng/ml
Bupropion	4.814	2174631	37030.6	60.1	3719.6	195415	488.131 ng/ml
Carisoprodol	5.728	562869	391227.0	58.0	9126.5	54007	501.874 ng/ml
Citalopram	5.261	1934330	603.1	46.5	871341.7	174370	501.379 ng/ml
Clonazepam	5.622	102384	42015.7	33.4	32010.5	3974	496.194 ng/ml
Cocaine	4.302	2150316	877.1	45.4	4467.0	345776	502.363 ng/ml
Codeine	2.643	307578	20058.4	105.0	24501.8	34121	487.372 ng/ml
Cyclobenzaprine	5.630	1458947	5744376.0	9.4	1960.8	116835	495.793 ng/ml
Dextromethorphan	5.306	1201275	73009.8	76.4	147537.8	118156	494.132 ng/ml
Dextrorphan	4.161	1059175	1571.4	219.4	307970.6	251332	495.432 ng/ml
Diazepam	5.952	464000	5769.7	87.7	5796.6	46522	504.387 ng/ml
Dihydrocodeine	2.606	1027326	57147.6	63.8	31645.7	138083	464.563 ng/ml
Diphenhydramine	5.332	5657011	6850.7	34.1	32474.6	619759	493.971 ng/ml
Doxylamine	4.559	8712648	15033.6	95.9	200729.3	752384	505.122 ng/ml
EDDP	5.295	1117023	882.2	233.1	40544.4	255570	508.261 ng/ml
Fentanyl	5.117	214722	243857.1	75.7	1253.3	202659	48.229 ng/ml
Fluoxetine	5.710	1070726	8012.7	8.5	59427.5	90229	502.793 ng/ml
Hydrocodone	3.074	1074411	1240.0	35.7	1360.0	130652	507.467 ng/ml
Hydromorphone	1.668	1008429	1282312.6	73.8	36685.0	78949	501.041 ng/ml
Ketamine	4.076	2484722	2235.6	37.6	53874.3	253964	496.798 ng/ml
Lamotrigine	4.330	186603	4140.2	89.1	4355.1	118156	526.198 ng/ml
Lorazepam	5.750	34285	750.6	56.7	341.0	54800	472.122 ng/ml
Meprobamate	4.952	357132	386276.9	28.9	24853.7	36241	491.503 ng/ml
Methadone	5.664	3928338	131867.4	45.8	21632.0	382270	497.725 ng/ml
Methamphetamine	3.279	2239625	647.6	40.5	2479.3	187561	485.438 ng/ml
Metoprolol	4.359	507927	662763.2	97.2	637223.8	619759	460.268 ng/ml

AM #28 Multi-Drug Quant. Results *Buylee*

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.635	4839095	320194.8	45.4	378852.0	382270	482.499 ng/ml
Mitragynine	5.240	597002	522238.4	39.3	2553.7	118156	520.090 ng/ml
Morphine	1.282	204049	348.9	20.9	105.9	5922	481.889 ng/ml
Norbuprenorphine	5.029	3324	780.9	99.4	5475.4	3746	49.280 ng/ml
Nordiazepam	5.897	160516	38927.8	61.5	147749.4	11725	484.159 ng/ml
Norfentanyl	4.122	452906	65702.0	40.5	1335.4	392380	51.236 ng/ml
Norhydrocodone	3.125	102313	3163.0	42.3	2548.4	44953	562.387 ng/ml
Noroxycodone	2.977	678826	534.8	40.2	874.2	52004	502.331 ng/ml
O-desmethyl-tramadol	3.421	6350099	465120.4	6.2	1371.0	684550	492.641 ng/ml
Oxazepam	5.758	42054	455.2	74.2	258.0	4918	474.303 ng/ml
Oxycodone	2.889	1923976	6021.9	29.4	4375.7	201690	499.015 ng/ml
Oxymorphone	1.455	781811	3692544.5	44.4	1110810.0	68421	507.108 ng/ml
Phentermine	3.828	852570	1490.6	5.0	3203.9	221913	470.661 ng/ml
Promethazine	5.558	2461266	126975.2	31.3	55987.2	222982	498.132 ng/ml
Quetiapine	5.534	2624143	2296445.5	60.2	1342152.0	86818	485.018 ng/ml
Sertraline	5.777	398236	536643.2	102.6	321252.2	38878	500.354 ng/ml
Temazepam	5.824	403639	3170.7	29.4	1770.4	39849	510.770 ng/ml
Tramadol	4.282	5524556	1671.0	3.4	9998.5	635252	496.511 ng/ml
Trazodone	5.091	2662671	169863.7	77.9	142325.8	316156	432.876 ng/ml
Venlafaxine	5.083	4836174	892752.1	38.1	45570.9	504099	497.904 ng/ml
Zolpidem	4.858	6472484	4491.9	29.4	160994.0	561355	504.897 ng/ml

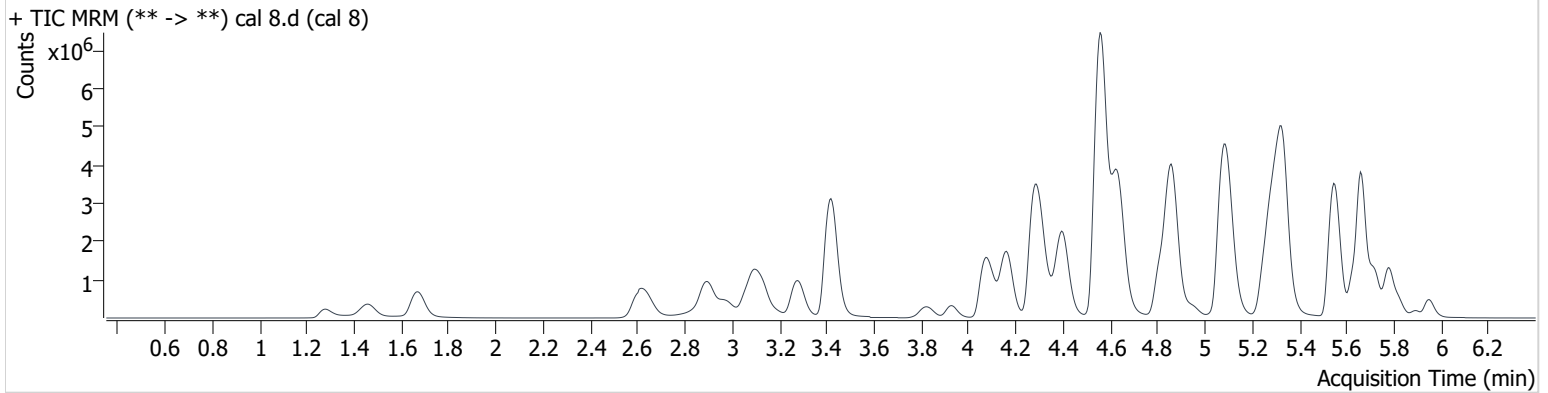
AM #28 Multi-Drug Quant. Results

Wylie

Batch results D:\MassHunter\Data\2019\am28-27 102219\QuantResults\Am 28 mdqp1 102219.batch.bin
Calibration Last Update 10/24/2019 12:45:32 PM

Instrument	69679	Data File	cal 8.d
Type	Cal	Sample	cal 8
Acq. Method	mdq p1 cda 121818.m	Operator	Britany Wylie
Sample Position	P2-H1	Comment	
Injection Volume	2		
Acq. Date-Time	10/22/2019 4:53:10 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.183	121603	14821.5	73.6	5324.3	30355	110.924 ng/ml
7-aminoclonazepam	4.297	408945	1000.7	79.9	6626.7	25442	813.446 ng/ml
a-hydroxyalprazolam	5.704	60199	1059.3	60.7	1048.5	3279	990.888 ng/ml
alpha-PVP	4.402	4929562	226127.7	52.1	16800.9	214352	1002.969 ng/ml
Alprazolam	5.782	1175509	4834.4	111.3	4623.2	40986	1017.457 ng/ml
Amphetamine	3.117	2961029	74859.1	51.6	10163.8	73981	893.728 ng/ml
Benzoylcegonine	3.926	632586	1733256.9	7.9	50721.3	6652	1355.732 ng/ml
Buprenorphine	5.678	34684	4436.2	15.6	4060.0	13302	100.373 ng/ml
Bupropion	4.814	2841063	37396.1	60.2	48764.8	132875	938.736 ng/ml
Carisoprodol	5.728	887595	716984.9	57.7	14047.9	41598	1027.619 ng/ml
Citalopram	5.261	3041544	188440.2	45.8	350880.5	137994	996.543 ng/ml
Clonazepam	5.622	158797	64675.5	34.1	41459.0	3579	854.653 ng/ml
Cocaine	4.302	3213051	227258.1	45.1	97256.9	259579	1000.126 ng/ml
Codeine	2.643	469940	866.2	106.7	56544.1	27009	941.229 ng/ml
Cyclobenzaprine	5.630	2233346	171585.1	9.3	2526.5	87866	1009.340 ng/ml
Dextromethorphan	5.306	1744730	89238.4	75.5	109014.4	84458	1004.272 ng/ml
Dextrorphan	4.161	1826118	98905.9	217.9	121489.5	214044	1003.331 ng/ml
Diazepam	5.952	725259	966.0	86.9	5600.0	37220	986.139 ng/ml
Dihydrocodeine	2.606	1617345	9585.5	64.7	39904.4	121565	831.515 ng/ml
Diphenhydramine	5.337	8761442	334434.7	33.3	124536.4	466071	1016.834 ng/ml
Doxylamine	4.561	15208553	411789.5	96.4	4881.9	663769	999.646 ng/ml
EDDP	5.295	2200960	439252.7	237.0	4007.4	250792	1020.666 ng/ml
Fentanyl	5.122	359320	107723.7	77.1	249747.7	155712	104.828 ng/ml
Fluoxetine	5.710	1384530	732072.9	8.6	106568.7	59055	993.578 ng/ml
Hydrocodone	3.068	1889246	1392.6	39.0	1261.9	118755	981.782 ng/ml
Hydromorphone	1.668	1646400	19672.3	76.9	181943.9	64546	1000.821 ng/ml
Ketamine	4.076	4062143	4469.7	37.7	26238.8	215407	957.988 ng/ml
Lamotrigine	4.329	240873	434.4	89.3	6047.1	84458	990.122 ng/ml
Lorazepam	5.750	57390	1964.9	58.0	616.2	40986	1058.498 ng/ml
Meprobamate	4.952	613527	277161.3	29.4	2774.4	31566	969.784 ng/ml
Methadone	5.664	6760702	264701.1	45.7	51371.5	322941	1013.555 ng/ml
Methamphetamine	3.279	2060530	735.0	40.2	546.4	89270	940.526 ng/ml
Metoprolol	4.359	708317	781497.9	96.7	77262.7	466071	854.347 ng/ml

AM #28 Multi-Drug Quant. Results *Bylee*

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.635	8370008	6597.1	45.0	8173.5	322941	987.213 ng/ml
Mitragynine	5.240	986050	4140.0	39.4	640706.1	84458	1201.359 ng/ml
Morphine	1.282	324412	1438814.0	21.3	536869.1	4536	1000.321 ng/ml
Norbuprenorphine	5.034	6065	6467.6	90.5	1332.4	3295	103.041 ng/ml
Nordiazepam	5.897	261314	349539.5	61.3	152631.7	9418	981.587 ng/ml
Norfentanyl	4.122	726432	529.7	40.6	837.0	300778	107.203 ng/ml
Norhydrocodone	3.125	183731	2972.1	41.2	2719.5	36324	1246.219 ng/ml
Noroxycodone	2.972	1139115	2408.6	40.5	3631.5	44697	981.673 ng/ml
O-desmethyl-tramadol	3.420	10779590	2996.9	6.1	57989.7	563814	1015.147 ng/ml
Oxazepam	5.758	71580	12129.0	70.7	1732.6	3831	1036.180 ng/ml
Oxycodone	2.894	3581632	4401.0	29.1	3973.3	187184	1001.596 ng/ml
Oxymorphone	1.455	1324325	3522.8	44.3	1533673.1	60092	979.194 ng/ml
Phentermine	3.828	1100381	1303.2	4.9	1273.0	151475	891.352 ng/ml
Promethazine	5.558	3952534	1150706.5	31.3	73023.4	176878	1008.328 ng/ml
Quetiapine	5.534	4376644	1392493.2	59.0	10701.3	77574	905.817 ng/ml
Sertraline	5.777	501805	543892.9	101.6	9251.2	23944	1023.944 ng/ml
Temazepam	5.824	684819	18476.3	30.0	3218.1	34450	1002.440 ng/ml
Tramadol	4.279	8746490	724418.8	3.3	8849.1	518291	964.326 ng/ml
Trazodone	5.091	4018955	1468.7	79.2	89950.2	288783	715.933 ng/ml
Venlafaxine	5.083	8144538	224355.5	37.9	81396.8	417734	1011.586 ng/ml
Zolpidem	4.858	10819997	853321.1	29.3	1958.0	478018	991.341 ng/ml