

Sample Information File Untitled

Description : KFl Pot 10/22/01
 Batch ID :
 Volume Units :
 Weight Units :
 Analyst :
 Sample Volume : 1.000
 Nominal Weight : 1.000000

DATE ANALYZED 10/22/01
 TIME ANALYZED 10:00
 ANALYST INITIALS mo
 REVIEWED BY AS

AS Sample ID Loc	Sample Sample Weight Units	User Dilution	Remarks
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0 QCS

1 24483

2 24483dup /

3 24483spk /

4 24484

5 24694

6 24695

7 24696

8 24697

9 24698

10 QCS

11 24699

12 24700

13 24873

14 24874

15 24875

16 24876

17 24877

18 24878

19 24944

20 QCS

21 24945

22 24946

23 24947

24 24947dup //

25 24947spk //

26 24948

27 24949

28 24950

29 25037

30 QCS

31 25038

32 25039

33 25040

34 25041

35 25042

36 25043

37 25044

38 25045

39 25072

40 QCS

41 25073

42 25259

43 25260

44 25261

45 25262

46 25263

47 25264 /

48 25264dup //

49 25264 spk //

50 ACS

QC Reviewed
 AS 11/7/01

Method Name: KFl
Method Description: KTest

Element: K

Date: 10/22/2001

Technique: Flame

Wavelength: 766.5 nm

Lamp Current: 12

Sample Info File: Untitled

Calibration Equation: Calc. Intercept: Linear

Slit Width: 1.40 nm

Energy: 75

Results Data Set:

Element: K Seq. No.: 1 AS Loc.: --- Date: 10/22/2001
Sample ID: Calib Blank

Repl	SampleConc	StndConc	Blncorr	Time
#	µg/L	µg/L	Signal	
1			-0.082	12:09:35
2			-0.082	12:09:42
3			-0.081	12:09:49
4			-0.082	12:09:56
Mean:			-0.082	
SD :			0.000	
%RSD:			0.40	

Auto-zero performed.

Element: K Seq. No.: 2 AS Loc.: --- Date: 10/22/2001
Sample ID: Calib Blank

Repl	SampleConc	StndConc	Blncorr	Time
#	µg/L	µg/L	Signal	
1			0.003	12:10:06
2			0.000	12:10:13
3			0.001	12:10:20
4			0.000	12:10:27
Mean:			0.001	
SD :			0.001	
%RSD:			130.80	

Auto-zero performed.

Element: K Seq. No.: 3 AS Loc.: --- Date: 10/22/2001
Sample ID: Calib Blank

Repl	SampleConc	StndConc	Blncorr	Time
#	µg/L	µg/L	Signal	
1			0.000	12:10:39
2			0.001	12:10:46
3			0.000	12:10:53
4			0.000	12:11:00
Mean:			0.000	
SD :			0.000	
%RSD:			196.03	

Auto-zero performed.

=====
Element: K Seq. No.: 4 AS Loc.: --- Date: 10/22/2001
Sample ID: S100

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Time
1			0.019	12:11:28
2			0.019	12:11:35
3			0.017	12:11:43
4			0.016	12:11:50
Mean:			0.018	
SD :			0.001	
%RSD:			6.99	

Standard number 1 applied. [100]

Correlation Coefficient: 1.0000 ✓

Slope: 0.0002

=====
Element: K Seq. No.: 5 AS Loc.: --- Date: 10/22/2001
Sample ID: S200

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Time
1			0.036	12:12:08
2			0.032	12:12:16
3			0.034	12:12:23
4			0.035	12:12:30
Mean:			0.034	
SD :			0.002	
%RSD:			4.52	

Standard number 2 applied. [200]

Correlation Coefficient: 0.9998 ✓

Slope: 0.0002

=====
Element: K Seq. No.: 6 AS Loc.: --- Date: 10/22/2001
Sample ID: S400

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Time
1			0.067	12:12:57
2			0.059	12:13:04
3			0.067	12:13:12
4			0.064	12:13:19
Mean:			0.064	
SD :			0.004	
%RSD:			6.19	

Standard number 3 applied. [400]

Correlation Coefficient: 0.9991 ✓

Slope: 0.0002

=====
Element: K Seq. No.: 7 AS Loc.: --- Date: 10/22/2001
Sample ID: S400

Repl #	SampleConc µg/L	StndConc µg/L	BlkCorr Signal	Time
1			0.063	12:13:31
2			0.067	12:13:38
3			0.065	12:13:46
4			0.066	12:13:53
Mean:			0.065	
SD :			0.002	
%RSD:			2.89	

Standard number 3 applied. [400]

Correlation Coefficient: 0.9995 ✓

Slope: 0.0002

=====
 Element: K Seq. No.: 8 AS Loc.: --- Date: 10/22/2001
 Sample ID: S800
 =====

 Repl SampleConc StndConc BlnkCorr Time
 # $\mu\text{g/L}$ $\mu\text{g/L}$ Signal
 1 0.141 12:14:19
 2 0.131 12:14:26
 3 0.128 12:14:33
 4 0.126 12:14:40
 Mean: 0.131
 SD : 0.006
 %RSD: 4.93

Standard number 4 applied. [800]

Correlation Coefficient: 0.9999 ✓ Slope: 0.0002

=====
 Element: K Seq. No.: 9 AS Loc.: --- Date: 10/22/2001
 Sample ID: S1000
 =====

 Repl SampleConc StndConc BlnkCorr Time
 # $\mu\text{g/L}$ $\mu\text{g/L}$ Signal
 1 0.158 12:15:06
 2 0.160 12:15:13
 3 0.160 12:15:21
 4 0.161 12:15:28
 Mean: 0.160
 SD : 0.001
 %RSD: 0.76

Standard number 5 applied. [1000]

Correlation Coefficient: 0.9998 ✓ Slope: 0.0002

=====
 Element: K Seq. No.: 10 AS Loc.: --- Date: 10/22/2001
 Sample ID: S2000
 =====

 Repl SampleConc StndConc BlnkCorr Time
 # $\mu\text{g/L}$ $\mu\text{g/L}$ Signal
 1 0.305 12:15:55
 2 0.304 12:16:02
 3 0.302 12:16:09
 4 0.303 12:16:17
 Mean: 0.304
 SD : 0.002
 %RSD: 0.51

The calibration curve may not be linear.

Standard number 6 applied. [2000]

Correlation Coefficient: 0.9994 ✓ Slope: 0.0002

=====
 Element: K Seq. No.: 11 AS Loc.: --- Date: 10/22/2001
 Sample ID: QCS
 =====

 Repl SampleConc StndConc BlnkCorr Time
 # $\mu\text{g/L}$ $\mu\text{g/L}$ Signal
 1 493.3 493.3 0.079 12:16:44
 2 501.3 501.3 0.080 12:16:51
 3 490.7 490.7 0.079 12:16:58
 4 501.9 501.9 0.080 12:17:05
 Mean: 496.8 496.8 0.080
 SD : 5.636 5.636 0.001
 %RSD: 1.13 1.13 1.08

=====
Element: K Seq. No.: 12 AS Loc.: --- Date: 10/22/2001
Sample ID: 24483
=====

Repl #	SampleConc µg/L	StndConc µg/L	BlncCorr Signal	Time
1	609.7	609.7	0.097	12:17:29
2	596.8	596.8	0.095	12:17:37
3	579.6	579.6	0.092	12:17:44
4	570.7	570.7	0.091	12:17:52
Mean:	589.2	589.2	0.094	
SD :	17.45	17.45	0.003	
%RSD:	2.96	2.96	2.83	

=====
Element: K Seq. No.: 13 AS Loc.: --- Date: 10/22/2001
Sample ID: 24483dup
=====

Repl #	SampleConc µg/L	StndConc µg/L	BlncCorr Signal	Time
1	564.1	564.1	0.090	12:18:04
2	635.7	635.7	0.101	12:18:12
3	661.4	661.4	0.105	12:18:19
4	631.9	631.9	0.100	12:18:26
Mean:	623.3	623.3	0.099	
SD :	41.55	41.55	0.006	
%RSD:	6.67	6.67	6.39	

=====
Element: K Seq. No.: 14 AS Loc.: --- Date: 10/22/2001
Sample ID: 24483dup
=====

Repl #	SampleConc µg/L	StndConc µg/L	BlncCorr Signal	Time
1	617.0	617.0	0.098	12:18:39
2	612.1	612.1	0.097	12:18:47
3	586.3	586.3	0.093	12:18:54
4	594.2	594.2	0.094	12:19:01
Mean:	602.4	602.4	0.096	
SD :	14.56	14.56	0.002	
%RSD:	2.42	2.42	2.31	

=====
Element: K Seq. No.: 15 AS Loc.: --- Date: 10/22/2001
Sample ID: 24483spk
=====

Repl #	SampleConc µg/L	StndConc µg/L	BlncCorr Signal	Time
1	301.5	301.5	0.050	12:19:27
2	307.5	307.5	0.051	12:19:34
3	318.1	318.1	0.052	12:19:41
4	307.6	307.6	0.051	12:19:49
Mean:	308.7	308.7	0.051	
SD :	6.903	6.903	0.001	
%RSD:	2.24	2.24	2.06	

What
spike level
sample

=====
Element: K Seq. No.: 16 AS Loc.: --- Date: 10/22/2001
Sample ID: 24484
=====

Repl #	SampleConc µg/L	StndConc µg/L	BlncCorr Signal	Time
1	552.0	552.0	0.088	12:20:14
2	522.0	522.0	0.083	12:20:22
3	524.8	524.8	0.084	12:20:29
4	467.7	467.7	0.075	12:20:36
Mean:	516.7	516.7	0.083	
SD :	35.31	35.31	0.005	
%RSD:	6.83	6.83	6.50	

=====
Element: K Seq. No.: 17 AS Loc.: --- Date: 10/22/2001
Sample ID: 24484
=====

Repl #	SampleConc µg/L	StndConc µg/L	BlncCorr Signal	Time
1	561.5	561.5	0.089	12:20:56
2	545.9	545.9	0.087	12:21:03
3	548.7	548.7	0.087	12:21:10
4	551.0	551.0	0.088	12:21:17
Mean:	551.8	551.8	0.088	
SD :	6.805	6.805	0.001	
%RSD:	1.23	1.23	1.18	

=====
Element: K Seq. No.: 18 AS Loc.: --- Date: 10/22/2001
Sample ID: 24694
=====

Repl #	SampleConc µg/L	StndConc µg/L	BlncCorr Signal	Time
1	480.5	480.5	0.077	12:21:36
2	545.0	545.0	0.087	12:21:43
3	543.4	543.4	0.087	12:21:50
4	538.7	538.7	0.086	12:21:58
Mean:	526.9	526.9	0.084	
SD :	31.07	31.07	0.005	
%RSD:	5.90	5.90	5.61	

=====
Element: K Seq. No.: 19 AS Loc.: --- Date: 10/22/2001
Sample ID: 24694
=====

Repl #	SampleConc µg/L	StndConc µg/L	BlncCorr Signal	Time
1	476.0	476.0	0.076	12:22:11
2	534.9	534.9	0.085	12:22:18
3	537.7	537.7	0.086	12:22:25
4	538.6	538.6	0.086	12:22:32
Mean:	521.8	521.8	0.083	
SD :	30.56	30.56	0.005	
%RSD:	5.86	5.86	5.57	

=====
 Element: K Seq. No.: 20 AS Loc.: --- Date: 10/22/2001
 Sample ID: 24694
 =====

Repl #	SampleConc μg/L	StndConc μg/L	BlncCorr Signal	Time
1	553.6	553.6	0.088	12:22:44
2	524.5	524.5	0.084	12:22:51
3	520.6	520.6	0.083	12:22:58
4	517.2	517.2	0.083	12:23:06
Mean:	529.0	529.0	0.084	
SD :	16.71	16.71	0.003	
%RSD:	3.16	3.16	3.01	

530 reported

=====
 Element: K Seq. No.: 21 AS Loc.: --- Date: 10/22/2001
 Sample ID: 24695
 =====

Repl #	SampleConc μg/L	StndConc μg/L	BlncCorr Signal	Time
1	632.7	632.7	0.100	12:23:29
2	550.6	550.6	0.088	12:23:36
3	530.9	530.9	0.085	12:23:43
4	542.4	542.4	0.086	12:23:50
Mean:	564.1	564.1	0.090	
SD :	46.41	46.41	0.007	
%RSD:	8.23	8.23	7.85	

=====
 Element: K Seq. No.: 22 AS Loc.: --- Date: 10/22/2001
 Sample ID: 24695
 =====

Repl #	SampleConc μg/L	StndConc μg/L	BlncCorr Signal	Time
1	538.8	538.8	0.086	12:24:02
2	549.4	549.4	0.088	12:24:10
3	546.3	546.3	0.087	12:24:17
4	550.5	550.5	0.088	12:24:24
Mean:	546.2	546.2	0.087	
SD :	5.291	5.291	0.001	
%RSD:	0.97	0.97	0.92	

=====
 Element: K Seq. No.: 23 AS Loc.: --- Date: 10/22/2001
 Sample ID: 24696
 =====

Repl #	SampleConc μg/L	StndConc μg/L	BlncCorr Signal	Time
1	557.4	557.4	0.089	12:24:46
2	543.4	543.4	0.087	12:24:53
3	523.3	523.3	0.084	12:25:00
4	549.7	549.7	0.088	12:25:07
Mean:	543.5	543.5	0.087	
SD :	14.57	14.57	0.002	
%RSD:	2.68	2.68	2.55	

=====
 Element: K Seq. No.: 24 AS Loc.: --- Date: 10/22/2001
 Sample ID: 24697
 =====

Repl #	SampleConc $\mu\text{g/L}$	StndConc $\mu\text{g/L}$	BlnkCorr Signal	Time
1	516.3	516.3	0.083	12:25:31
2	515.3	515.3	0.082	12:25:39
3	526.4	526.4	0.084	12:25:46
4	517.7	517.7	0.083	12:25:53
Mean:	518.9	518.9	0.083	
SD :	5.092	5.092	0.001	
%RSD:	0.98	0.98	0.93	

=====
 Element: K Seq. No.: 25 AS Loc.: --- Date: 10/22/2001
 Sample ID: 24698
 =====

Repl #	SampleConc $\mu\text{g/L}$	StndConc $\mu\text{g/L}$	BlnkCorr Signal	Time
1	727.4	727.4	0.115	12:26:15
2	794.8	794.8	0.125	12:26:22
3	775.2	775.2	0.122	12:26:30
4	786.1	786.1	0.123	12:26:37
Mean:	770.9	770.9	0.121	
SD :	30.07	30.07	0.005	
%RSD:	3.90	3.90	3.77	

=====
 Element: K Seq. No.: 26 AS Loc.: --- Date: 10/22/2001
 Sample ID: QCS
 =====

Repl #	SampleConc $\mu\text{g/L}$	StndConc $\mu\text{g/L}$	BlnkCorr Signal	Time
1	466.2	466.2	0.075	12:27:00
2	467.1	467.1	0.075	12:27:07
3	459.7	459.7	0.074	12:27:14
4	463.0	463.0	0.074	12:27:22
Mean:	464.0	464.0	0.075	
SD :	3.353	3.353	0.001	
%RSD:	0.72	0.72	0.68	

=====
 Element: K Seq. No.: 27 AS Loc.: --- Date: 10/22/2001
 Sample ID: 24699
 =====

Repl #	SampleConc $\mu\text{g/L}$	StndConc $\mu\text{g/L}$	BlnkCorr Signal	Time
1	556.5	556.5	0.089	12:27:47
2	568.9	568.9	0.090	12:27:55
3	541.5	541.5	0.086	12:28:02
4	536.5	536.5	0.086	12:28:09
Mean:	550.9	550.9	0.088	
SD :	14.71	14.71	0.002	
%RSD:	2.67	2.67	2.55	

=====
Element: K Seq. No.: 28 AS Loc.: --- Date: 10/22/2001
Sample ID: 24700
=====

Repl #	SampleConc µg/L	StdConc µg/L	Blncorr Signal	Time
1	530.2	530.2	0.085	12:28:31
2	546.9	546.9	0.087	12:28:39
3	556.3	556.3	0.089	12:28:46
4	530.7	530.7	0.085	12:28:54
Mean:	541.0	541.0	0.086	
SD :	12.80	12.80	0.002	
%RSD:	2.37	2.37	2.25	

=====
Element: K Seq. No.: 29 AS Loc.: --- Date: 10/22/2001
Sample ID: 24873
=====

Repl #	SampleConc µg/L	StdConc µg/L	Blncorr Signal	Time
1	683.4	683.4	0.108	12:30:01
2	683.5	683.5	0.108	12:30:08
3	684.7	684.7	0.108	12:30:15
4	681.9	681.9	0.108	12:30:22
Mean:	683.4	683.4	0.108	
SD :	1.135	1.135	0.000	
%RSD:	0.17	0.17	0.16	

=====
Element: K Seq. No.: 30 AS Loc.: --- Date: 10/22/2001
Sample ID: 24874
=====

Repl #	SampleConc µg/L	StdConc µg/L	Blncorr Signal	Time
1	505.3	505.3	0.081	12:30:49
2	494.3	494.3	0.079	12:30:56
3	534.2	534.2	0.085	12:31:04
4	503.5	503.5	0.081	12:31:11
Mean:	509.3	509.3	0.081	
SD :	17.27	17.27	0.003	
%RSD:	3.39	3.39	3.22	

=====
Element: K Seq. No.: 31 AS Loc.: --- Date: 10/22/2001
Sample ID: 24875
=====

Repl #	SampleConc µg/L	StdConc µg/L	Blncorr Signal	Time
1	540.7	540.7	0.086	12:31:30
2	532.7	532.7	0.085	12:31:38
3	523.8	523.8	0.084	12:31:45
4	528.8	528.8	0.084	12:31:52
Mean:	531.5	531.5	0.085	
SD :	7.124	7.124	0.001	
%RSD:	1.34	1.34	1.28	

=====
Element: K Seq. No.: 32 AS Loc.: --- Date: 10/22/2001
Sample ID: 24876
=====

Repl #	SampleConc µg/L	StdConc µg/L	BlncCorr Signal	Time
1	554.5	554.5	0.088	12:32:12
2	540.5	540.5	0.086	12:32:20
3	554.2	554.2	0.088	12:32:27
4	542.8	542.8	0.087	12:32:34
Mean:	548.0	548.0	0.087	
SD :	7.385	7.385	0.001	
%RSD:	1.35	1.35	1.28	

=====
Element: K Seq. No.: 33 AS Loc.: --- Date: 10/22/2001
Sample ID: 24877
=====

Repl #	SampleConc µg/L	StdConc µg/L	BlncCorr Signal	Time
1	509.5	509.5	0.081	12:32:53
2	505.6	505.6	0.081	12:33:00
3	512.7	512.7	0.082	12:33:07
4	512.6	512.6	0.082	12:33:15
Mean:	510.1	510.1	0.082	
SD :	3.373	3.373	0.001	
%RSD:	0.66	0.66	0.63	

=====
Element: K Seq. No.: 34 AS Loc.: --- Date: 10/22/2001
Sample ID: 24878
=====

Repl #	SampleConc µg/L	StdConc µg/L	BlncCorr Signal	Time
1	531.3	531.3	0.085	12:33:43
2	525.7	525.7	0.084	12:33:50
3	532.7	532.7	0.085	12:33:58
4	518.9	518.9	0.083	12:34:05
Mean:	527.1	527.1	0.084	
SD :	6.244	6.244	0.001	
%RSD:	1.18	1.18	1.13	

=====
Element: K Seq. No.: 35 AS Loc.: --- Date: 10/22/2001
Sample ID: 24944
=====

Repl #	SampleConc µg/L	StdConc µg/L	BlncCorr Signal	Time
1	482.6	482.6	0.077	12:34:29
2	499.7	499.7	0.080	12:34:36
3	507.5	507.5	0.081	12:34:43
4	528.8	528.8	0.084	12:34:50
Mean:	504.7	504.7	0.081	
SD :	19.15	19.15	0.003	
%RSD:	3.80	3.80	3.60	

=====
 Element: K Seq. No.: 36 AS Loc.: --- Date: 10/22/2001
 Sample ID: QCS
 =====

Repl #	SampleConc μg/L	StndConc μg/L	BlkCorr Signal	Time
1	535.1	535.1	0.085	12:35:00
2	527.2	527.2	0.084	12:35:07
3	542.6	542.6	0.087	12:35:15
4	526.5	526.5	0.084	12:35:22
Mean:	532.8	532.8	0.085	
SD :	7.595	7.595	0.001	
%RSD:	1.43	1.43	1.36	

=====
 Element: K Seq. No.: 37 AS Loc.: --- Date: 10/22/2001
 Sample ID: 24945
 =====

Repl #	SampleConc μg/L	StndConc μg/L	BlkCorr Signal	Time
1	599.4	599.4	0.095	12:35:45
2	600.6	600.6	0.095	12:35:52
3	595.2	595.2	0.094	12:35:59
4	666.2	666.2	0.105	12:36:06
Mean:	615.3	615.3	0.098	
SD :	34.01	34.01	0.005	
%RSD:	5.53	5.53	5.30	

598.4
 Reported 600.

=====
 Element: K Seq. No.: 38 AS Loc.: --- Date: 10/22/2001
 Sample ID: 24945
 =====

Repl #	SampleConc μg/L	StndConc μg/L	BlkCorr Signal	Time
1	584.1	584.1	0.093	12:36:21
2	717.0	717.0	0.113	12:36:28
3	697.9	697.9	0.110	12:36:35
4	713.2	713.2	0.112	12:36:42
Mean:	678.0	678.0	0.107	
SD :	63.17	63.17	0.010	
%RSD:	9.32	9.32	8.96	

=====
 Element: K Seq. No.: 39 AS Loc.: --- Date: 10/22/2001
 Sample ID: 24945
 =====

Repl #	SampleConc μg/L	StndConc μg/L	BlkCorr Signal	Time
1	826.2	826.2	0.130	12:36:53
2	731.9	731.9	0.115	12:37:01
3	702.8	702.8	0.111	12:37:08
4	683.2	683.2	0.108	12:37:15
Mean:	736.0	736.0	0.116	
SD :	63.37	63.37	0.010	
%RSD:	8.61	8.61	8.31	

=====

Element: K Seq. No.: 40 AS Loc.: --- Date: 10/22/2001

Sample ID: 24945

Repl #	SampleConc µg/L	StndConc µg/L	BlncCorr Signal	Time
1	627.0	627.0	0.099	12:37:25
2	661.9	661.9	0.105	12:37:32
3	589.5	589.5	0.094	12:37:40
4	467.9	467.9	0.075	12:37:47
Mean:	586.6	586.6	0.093	
SD :	84.46	84.46	0.013	
%RSD:	14.40	14.40	13.77	

=====

Element: K Seq. No.: 41 AS Loc.: --- Date: 10/22/2001

Sample ID: 24946

Repl #	SampleConc µg/L	StndConc µg/L	BlncCorr Signal	Time
1	494.8	494.8	0.079	12:38:28
2	489.8	489.8	0.078	12:38:35
3	546.2	546.2	0.087	12:38:42
4	490.1	490.1	0.079	12:38:49
Mean:	505.2	505.2	0.081	
SD :	27.42	27.42	0.004	
%RSD:	5.43	5.43	5.15	

=====

Element: K Seq. No.: 42 AS Loc.: --- Date: 10/22/2001

Sample ID: 24947

Repl #	SampleConc µg/L	StndConc µg/L	BlncCorr Signal	Time
1	523.4	523.4	0.084	12:39:26
2	520.0	520.0	0.083	12:39:33
3	523.7	523.7	0.084	12:39:41
4	522.4	522.4	0.083	12:39:48
Mean:	522.4	522.4	0.083	
SD :	1.681	1.681	0.000	
%RSD:	0.32	0.32	0.31	

=====

Element: K Seq. No.: 43 AS Loc.: --- Date: 10/22/2001

Sample ID: 24947dup

Repl #	SampleConc µg/L	StndConc µg/L	BlncCorr Signal	Time
1	514.8	514.8	0.082	12:39:58
2	517.5	517.5	0.083	12:40:05
3	521.5	521.5	0.083	12:40:12
4	511.7	511.7	0.082	12:40:19
Mean:	516.4	516.4	0.083	
SD :	4.152	4.152	0.001	
%RSD:	0.80	0.80	0.76	

=====
Element: K Seq. No.: 44 AS Loc.: --- Date: 10/22/2001
Sample ID: 24949spk
=====

Repl #	SampleConc µg/L	StdConc µg/L	BlnkCorr Signal	Time
1	327.6	327.6	0.054	12:40:52
2	322.8	322.8	0.053	12:40:59
3	329.0	329.0	0.054	12:41:07
4	313.6	313.6	0.052	12:41:14
Mean:	323.3	323.3	0.053	
SD :	6.956	6.956	0.001	
%RSD:	2.15	2.15	1.99	

=====
Element: K Seq. No.: 45 AS Loc.: --- Date: 10/22/2001
Sample ID: 24948
=====

Repl #	SampleConc µg/L	StdConc µg/L	BlnkCorr Signal	Time
1	524.0	524.0	0.084	12:41:41
2	533.1	533.1	0.085	12:41:49
3	490.8	490.8	0.079	12:41:56
4	516.4	516.4	0.083	12:42:03
Mean:	516.1	516.1	0.082	
SD :	18.15	18.15	0.003	
%RSD:	3.52	3.52	3.34	

=====
Element: K Seq. No.: 46 AS Loc.: --- Date: 10/22/2001
Sample ID: 24949
=====

Repl #	SampleConc µg/L	StdConc µg/L	BlnkCorr Signal	Time
1	584.0	584.0	0.093	12:42:35
2	579.3	579.3	0.092	12:42:42
3	565.8	565.8	0.090	12:42:49
4	569.3	569.3	0.091	12:42:56
Mean:	574.6	574.6	0.091	
SD :	8.495	8.495	0.001	
%RSD:	1.48	1.48	1.41	

=====
Element: K Seq. No.: 47 AS Loc.: --- Date: 10/22/2001
Sample ID: 24950
=====

Repl #	SampleConc µg/L	StdConc µg/L	BlnkCorr Signal	Time
1	641.8	641.8	0.102	12:43:16
2	624.0	624.0	0.099	12:43:23
3	640.0	640.0	0.101	12:43:30
4	638.2	638.2	0.101	12:43:37
Mean:	636.0	636.0	0.101	
SD :	8.132	8.132	0.001	
%RSD:	1.28	1.28	1.23	

=====
Element: K Seq. No.: 48 AS Loc.: --- Date: 10/22/2001
Sample ID: 25037
=====

Repl #	SampleConc μg/L	StndConc μg/L	BlncCorr Signal	Time
1	524.2	524.2	0.084	12:43:56
2	447.0	447.0	0.072	12:44:03
3	528.9	528.9	0.084	12:44:10
4	457.1	457.1	0.074	12:44:18
Mean:	489.3	489.3	0.078	
SD :	43.25	43.25	0.007	
%RSD:	8.84	8.84	8.38	

=====
Element: K Seq. No.: 49 AS Loc.: --- Date: 10/22/2001
Sample ID: QCS
=====

Repl #	SampleConc μg/L	StndConc μg/L	BlncCorr Signal	Time
1	453.5	453.5	0.073	12:45:01
2	444.6	444.6	0.072	12:45:08
3	503.4	503.4	0.081	12:45:16
4	469.5	469.5	0.075	12:45:23
Mean:	467.7	467.7	0.075	
SD :	25.88	25.88	0.004	
%RSD:	5.53	5.53	5.23	

=====
Element: K Seq. No.: 50 AS Loc.: --- Date: 10/22/2001
Sample ID: 25037
=====

Repl #	SampleConc μg/L	StndConc μg/L	BlncCorr Signal	Time
1	522.4	522.4	0.083	12:45:50
2	492.2	492.2	0.079	12:45:58
3	516.3	516.3	0.083	12:46:05
4	522.3	522.3	0.083	12:46:12
Mean:	513.3	513.3	0.082	
SD :	14.35	14.35	0.002	
%RSD:	2.79	2.79	2.66	

=====
Element: K Seq. No.: 51 AS Loc.: --- Date: 10/22/2001
Sample ID: QCS
=====

Repl #	SampleConc μg/L	StndConc μg/L	BlncCorr Signal	Time
1	512.9	512.9	0.082	12:46:24
2	503.6	503.6	0.081	12:46:32
3	409.0	409.0	0.066	12:46:39
4	493.5	493.5	0.079	12:46:46
Mean:	479.7	479.7	0.077	
SD :	47.83	47.83	0.007	
%RSD:	9.97	9.97	9.44	

=====
Element: K Seq. No.: 52 AS Loc.: --- Date: 10/22/2001
Sample ID: 25038
=====

Repl #	SampleConc µg/L	StndConc µg/L	BlncCorr Signal	Time
1	522.3	522.3	0.083	12:47:09
2	515.2	515.2	0.082	12:47:16
3	530.1	530.1	0.085	12:47:23
4	507.0	507.0	0.081	12:47:31
Mean:	518.7	518.7	0.083	
SD :	9.888	9.888	0.002	
%RSD:	1.91	1.91	1.81	

=====
Element: K Seq. No.: 53 AS Loc.: --- Date: 10/22/2001
Sample ID: 25039
=====

Repl #	SampleConc µg/L	StndConc µg/L	BlncCorr Signal	Time
1	494.8	494.8	0.079	12:47:54
2	516.8	516.8	0.083	12:48:01
3	504.7	504.7	0.081	12:48:09
4	572.6	572.6	0.091	12:48:16
Mean:	522.2	522.2	0.083	
SD :	34.74	34.74	0.005	
%RSD:	6.65	6.65	6.33	

=====
Element: K Seq. No.: 54 AS Loc.: --- Date: 10/22/2001
Sample ID: 25040
=====

Repl #	SampleConc µg/L	StndConc µg/L	BlncCorr Signal	Time
1	512.3	512.3	0.082	12:48:26
2	505.3	505.3	0.081	12:48:34
3	515.1	515.1	0.082	12:48:41
4	509.0	509.0	0.081	12:48:48
Mean:	510.4	510.4	0.082	
SD :	4.225	4.225	0.001	
%RSD:	0.83	0.83	0.79	

=====
Element: K Seq. No.: 55 AS Loc.: --- Date: 10/22/2001
Sample ID: 25040real
=====

Repl #	SampleConc µg/L	StndConc µg/L	BlncCorr Signal	Time
1	545.9	545.9	0.087	12:49:17
2	541.3	541.3	0.086	12:49:24
3	556.2	556.2	0.089	12:49:31
4	534.2	534.2	0.085	12:49:39
Mean:	544.4	544.4	0.087	
SD :	9.230	9.230	0.001	
%RSD:	1.70	1.70	1.62	

=====
Element: K Seq. No.: 56 AS Loc.: --- Date: 10/22/2001
Sample ID: 25041

Repl #	SampleConc µg/L	StndConc µg/L	BlncCorr Signal	Time
1	1939	1939	0.299	12:49:59
2	1944	1944	0.299	12:50:07
3	1969	1969	0.303	12:50:14
4	1898	1898	0.292	12:50:21
Mean:	1937	1937	0.298	
SD :	29.60	29.60	0.004	
%RSD:	1.53	1.53	1.51	

=====
Element: K Seq. No.: 57 AS Loc.: --- Date: 10/22/2001
Sample ID: 25042

Repl #	SampleConc µg/L	StndConc µg/L	BlncCorr Signal	Time
1	520.4	520.4	0.083	12:50:43
2	517.7	517.7	0.083	12:50:50
3	449.3	449.3	0.072	12:50:57
4	491.5	491.5	0.079	12:51:05
Mean:	494.7	494.7	0.079	
SD :	32.96	32.96	0.005	
%RSD:	6.66	6.66	6.32	

=====
Element: K Seq. No.: 58 AS Loc.: --- Date: 10/22/2001
Sample ID: 25042

Repl #	SampleConc µg/L	StndConc µg/L	BlncCorr Signal	Time
1	501.7	501.7	0.080	12:51:17
2	513.2	513.2	0.082	12:51:24
3	496.2	496.2	0.079	12:51:31
4	494.1	494.1	0.079	12:51:38
Mean:	501.3	501.3	0.080	
SD :	8.542	8.542	0.001	
%RSD:	1.70	1.70	1.62	

=====
Element: K Seq. No.: 59 AS Loc.: --- Date: 10/22/2001
Sample ID: 25043

Repl #	SampleConc µg/L	StndConc µg/L	BlncCorr Signal	Time
1	548.0	548.0	0.087	12:52:00
2	526.3	526.3	0.084	12:52:07
3	524.6	524.6	0.084	12:52:15
4	523.5	523.5	0.084	12:52:22
Mean:	530.6	530.6	0.085	
SD :	11.66	11.66	0.002	
%RSD:	2.20	2.20	2.09	

=====
Element: K Seq. No.: 60 AS Loc.: --- Date: 10/22/2001
Sample ID: 25044
=====

Repl #	SampleConc µg/L	StdConc µg/L	Blncorr Signal	Time
1	470.7	470.7	0.076	12:52:44
2	533.5	533.5	0.085	12:52:51
3	527.6	527.6	0.084	12:52:58
4	552.7	552.7	0.088	12:53:06
Mean:	521.1	521.1	0.083	
SD :	35.26	35.26	0.005	
%RSD:	6.77	6.77	6.44	

=====
Element: K Seq. No.: 61 AS Loc.: --- Date: 10/22/2001
Sample ID: 25044
=====

Repl #	SampleConc µg/L	StdConc µg/L	Blncorr Signal	Time
1	518.0	518.0	0.083	12:53:17
2	535.8	535.8	0.085	12:53:24
3	524.9	524.9	0.084	12:53:31
4	535.5	535.5	0.085	12:53:39
Mean:	528.5	528.5	0.084	
SD :	8.685	8.685	0.001	
%RSD:	1.64	1.64	1.56	

=====
Element: K Seq. No.: 62 AS Loc.: --- Date: 10/22/2001
Sample ID: 25045
=====

Repl #	SampleConc µg/L	StdConc µg/L	Blncorr Signal	Time
1	515.6	515.6	0.082	12:53:59
2	506.2	506.2	0.081	12:54:07
3	540.7	540.7	0.086	12:54:14
4	522.8	522.8	0.083	12:54:21
Mean:	521.3	521.3	0.083	
SD :	14.59	14.59	0.002	
%RSD:	2.80	2.80	2.66	

=====
Element: K Seq. No.: 63 AS Loc.: --- Date: 10/22/2001
Sample ID: 25072
=====

Repl #	SampleConc µg/L	StdConc µg/L	Blncorr Signal	Time
1	491.7	491.7	0.079	12:54:42
2	514.7	514.7	0.082	12:54:49
3	496.2	496.2	0.079	12:54:56
4	509.9	509.9	0.082	12:55:03
Mean:	503.1	503.1	0.081	
SD :	10.94	10.94	0.002	
%RSD:	2.17	2.17	2.06	

=====

Element: K Seq. No.: 64 AS Loc.: --- Date: 10/22/2001

Sample ID: QCS

Repl #	SampleConc μg/L	StdConc μg/L	BlkCorr Signal	Time
1	430.3	430.3	0.069	12:55:26
2	503.3	503.3	0.081	12:55:34
3	503.3	503.3	0.081	12:55:41
4	480.7	480.7	0.077	12:55:48
Mean:	479.4	479.4	0.077	
SD :	34.41	34.41	0.005	
%RSD:	7.18	7.18	6.80	

$\bar{x} = 495.8$ Not appropriate
recalc method

=====

Element: K Seq. No.: 65 AS Loc.: --- Date: 10/22/2001

Sample ID: 25073

Repl #	SampleConc μg/L	StdConc μg/L	BlkCorr Signal	Time
1	516.7	516.7	0.083	12:56:15
2	477.1	477.1	0.077	12:56:22
3	539.4	539.4	0.086	12:56:30
4	539.0	539.0	0.086	12:56:37
Mean:	518.0	518.0	0.083	
SD :	29.28	29.28	0.004	
%RSD:	5.65	5.65	5.37	

=====

Element: K Seq. No.: 66 AS Loc.: --- Date: 10/22/2001

Sample ID: 25073

Repl #	SampleConc μg/L	StdConc μg/L	BlkCorr Signal	Time
1	536.3	536.3	0.086	12:56:50
2	524.3	524.3	0.084	12:56:57
3	515.5	515.5	0.082	12:57:04
4	527.6	527.6	0.084	12:57:11
Mean:	525.9	525.9	0.084	
SD :	8.590	8.590	0.001	
%RSD:	1.63	1.63	1.55	

=====

Element: K Seq. No.: 67 AS Loc.: --- Date: 10/22/2001

Sample ID: 25259

Repl #	SampleConc μg/L	StdConc μg/L	BlkCorr Signal	Time
1	503.7	503.7	0.081	12:57:34
2	524.1	524.1	0.084	12:57:41
3	496.3	496.3	0.079	12:57:49
4	499.3	499.3	0.080	12:57:56
Mean:	505.8	505.8	0.081	
SD :	12.53	12.53	0.002	
%RSD:	2.48	2.48	2.35	

=====
Element: K Seq. No.: 68 AS Loc.: --- Date: 10/22/2001
Sample ID: 25260
=====

Repl #	SampleConc $\mu\text{g/L}$	StndConc $\mu\text{g/L}$	BlnkCorr Signal	Time
1	499.5	499.5	0.080	12:58:15
2	510.3	510.3	0.082	12:58:22
3	509.1	509.1	0.081	12:58:30
4	497.3	497.3	0.080	12:58:37
Mean:	504.1	504.1	0.081	
SD :	6.626	6.626	0.001	
%RSD:	1.31	1.31	1.25	

=====
Element: K Seq. No.: 69 AS Loc.: --- Date: 10/22/2001
Sample ID: 25261
=====

Repl #	SampleConc $\mu\text{g/L}$	StndConc $\mu\text{g/L}$	BlnkCorr Signal	Time
1	525.3	525.3	0.084	12:59:00
2	516.8	516.8	0.083	12:59:07
3	512.9	512.9	0.082	12:59:14
4	523.0	523.0	0.084	12:59:21
Mean:	519.5	519.5	0.083	
SD :	5.662	5.662	0.001	
%RSD:	1.09	1.09	1.04	

=====
Element: K Seq. No.: 70 AS Loc.: --- Date: 10/22/2001
Sample ID: 25262
=====

Repl #	SampleConc $\mu\text{g/L}$	StndConc $\mu\text{g/L}$	BlnkCorr Signal	Time
1	531.4	531.4	0.085	12:59:43
2	545.5	545.5	0.087	12:59:50
3	548.2	548.2	0.087	12:59:57
4	527.4	527.4	0.084	13:00:04
Mean:	538.1	538.1	0.086	
SD :	10.25	10.25	0.002	
%RSD:	1.90	1.90	1.81	

=====
Element: K Seq. No.: 71 AS Loc.: --- Date: 10/22/2001
Sample ID: 25263
=====

Repl #	SampleConc $\mu\text{g/L}$	StndConc $\mu\text{g/L}$	BlnkCorr Signal	Time
1	2052	2052	0.316	13:00:27
2	2061	2061	0.317	13:00:34
3	2016	2016	0.310	13:00:41
4	2019	2019	0.311	13:00:49
Mean:	2037	2037	0.314	
SD :	22.76	22.76	0.003	
%RSD:	1.12	1.12	1.10	

high std

*25264
(avg)
use 3
+
spl
25264 use 3*

=====
 Element: K Seq. No.: 72 AS Loc.: --- Date: 10/22/2001
 Sample ID: 25264
 =====

Repl #	SampleConc $\mu\text{g/L}$	StndConc $\mu\text{g/L}$	BlkCorr Signal	Time
1	527.0	527.0	0.084	13:01:10
2	458.0	458.0	0.074	13:01:17
3	500.1	500.1	0.080	13:01:24
4	518.1	518.1	0.083	13:01:31
Mean:	500.8	500.8	0.080	
SD :	30.67	30.67	0.005	
%RSD:	6.13	6.13	5.81	

$\bar{x} = 515$

=====
 Element: K Seq. No.: 73 AS Loc.: --- Date: 10/22/2001
 Sample ID: ~~25264~~
 =====

Repl #	SampleConc $\mu\text{g/L}$	StndConc $\mu\text{g/L}$	BlkCorr Signal	Time
1	516.3	516.3	0.083	13:01:44
2	520.1	520.1	0.083	13:01:52
3	432.2	432.2	0.070	13:01:59
4	429.8	429.8	0.069	13:02:06
Mean:	474.6	474.6	0.076	
SD :	50.39	50.39	0.008	
%RSD:	10.62	10.62	10.05	

=====
 Element: K Seq. No.: 74 AS Loc.: --- Date: 10/22/2001
 Sample ID: 25264dup
 =====

Repl #	SampleConc $\mu\text{g/L}$	StndConc $\mu\text{g/L}$	BlkCorr Signal	Time
1	491.6	491.6	0.079	13:02:16
2	481.5	481.5	0.077	13:02:23
3	492.7	492.7	0.079	13:02:30
4	460.5	460.5	0.074	13:02:37
Mean:	481.6	481.6	0.077	
SD :	14.96	14.96	0.002	
%RSD:	3.11	3.11	2.94	

=====
 Element: K Seq. No.: 75 AS Loc.: --- Date: 10/22/2001
 Sample ID: 25264spk
 =====

Repl #	SampleConc $\mu\text{g/L}$	StndConc $\mu\text{g/L}$	BlkCorr Signal	Time
1	290.8	290.8	0.048	13:02:55
2	294.5	294.5	0.049	13:03:02
3	351.9	351.9	0.058	13:03:09
4	289.4	289.4	0.048	13:03:16
Mean:	306.7	306.7	0.051	
SD :	30.25	30.25	0.005	
%RSD:	9.86	9.86	9.07	

spike low
 removed replicate?

=====

Element: K Seq. No.: 76 AS Loc.: --- Date: 10/22/2001

Sample ID: QCS

Repl #	SampleConc µg/L	StndConc µg/L	BlncCorr Signal	Time
1	504.2	504.2	0.081	13:03:43
2	502.6	502.6	0.080	13:03:51
3	510.6	510.6	0.082	13:03:59
4	505.1	505.1	0.081	13:04:06
Mean:	505.6	505.6	0.081	
SD :	3.444	3.444	0.001	
%RSD:	0.68	0.68	0.65	