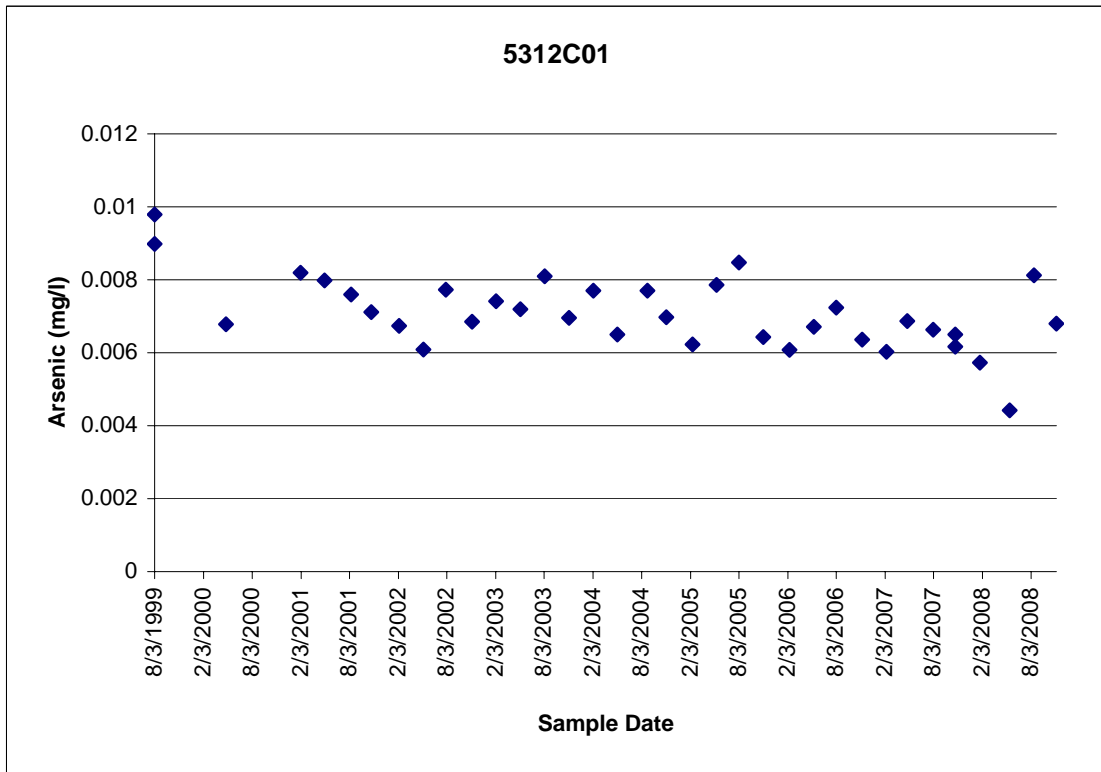


Spokane County Water Resources
**Appendix E: Summary Statistics for Wells Exceeding Washington State
 Drinking Water Standards Arsenic Trigger Level**

5312C01 Felts Field City Monitoring Well



Summary Statistics

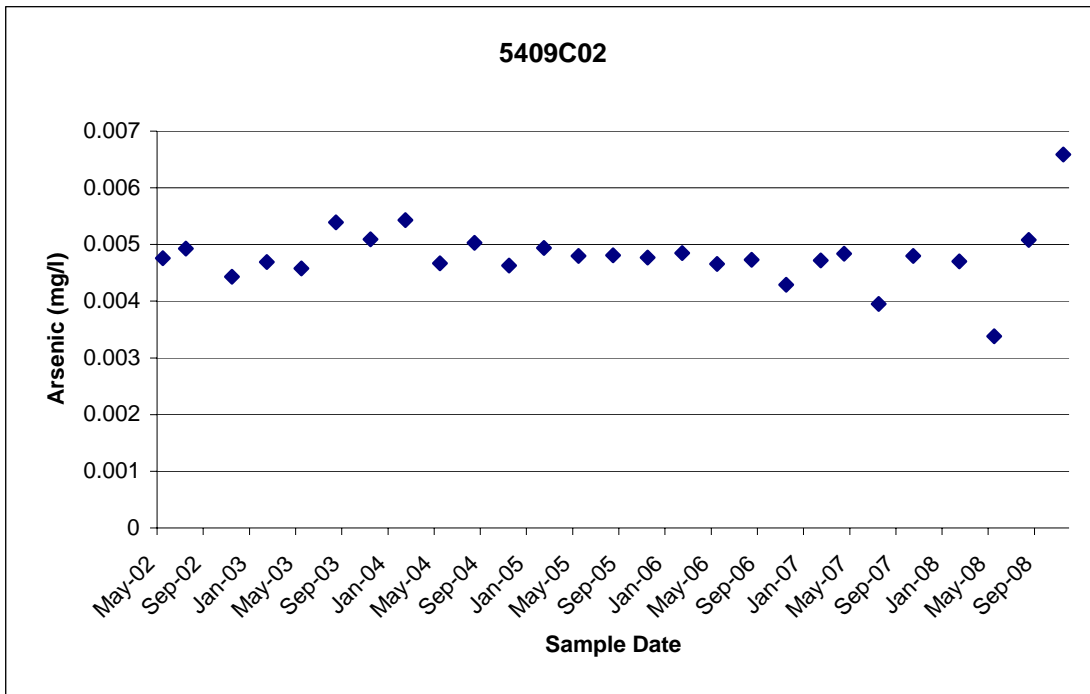
mean	0.00708
standard deviation	0.00100
minimum	0.00442
maximum	0.00979
95% confidence interval	0.00676 0.00741

Trend Analysis

n	36	Number of datapoints
S	-240	Mann Kendall test statistic
Var(S)	5390	Variance
Z, z(1-a)	-3.2554, 1.64	Normal approximation
Probability	0.0006	Probability associated with S for
Result	Hypothesis of increasing trend rejected Hypothesis of decreasing trend accepted	

Spokane County Water Resources
**Appendix E: Summary Statistics for Wells Exceeding Washington State
 Drinking Water Standards Arsenic Trigger Level**

5409C02 Frederick & Bowdish, monitoring well



Summary Statistics

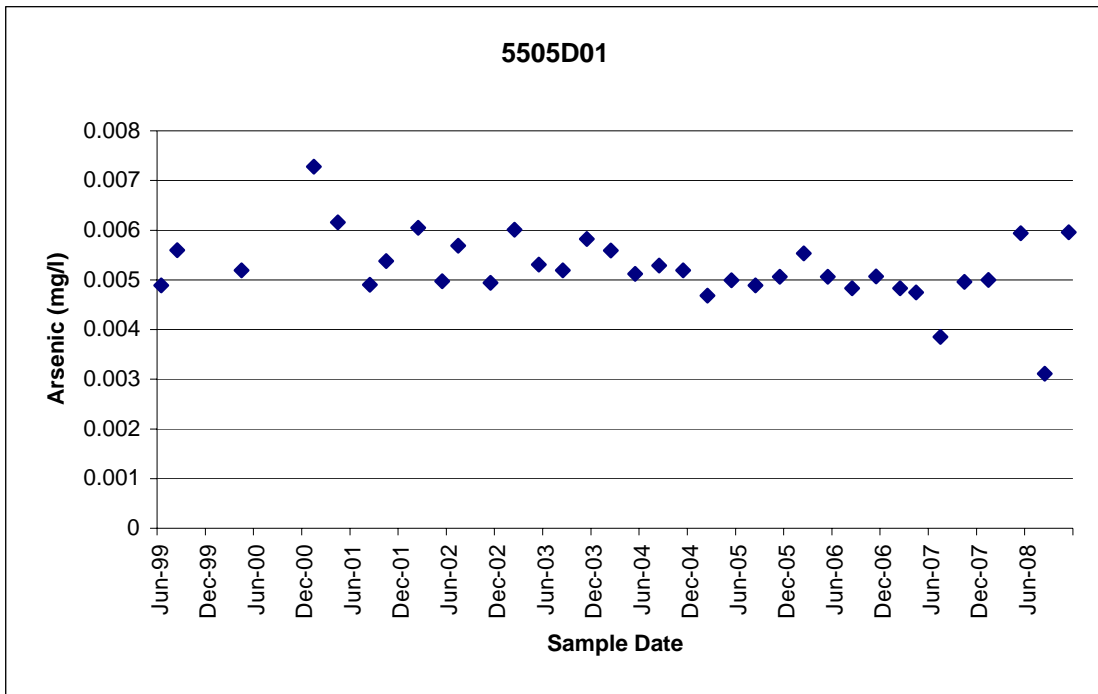
mean	0.00480
standard deviation	0.00054
minimum	0.00338
maximum	0.00659
95% confidence interval	0.00460 0.00500

Trend Analysis

n	27	Number of datapoints
S	-26	Mann Kendall test statistic
Var(S)	2301	Variance
Z, z(1-a)	-0.5212, 1.64	Normal approximation
Probability	0.3011	Probability associated with S for
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend rejected	

Spokane County Water Resources
**Appendix E: Summary Statistics for Wells Exceeding Washington State
 Drinking Water Standards Arsenic Trigger Level**

5505D01 Trent and Barker Road, monitoring well



Summary Statistics

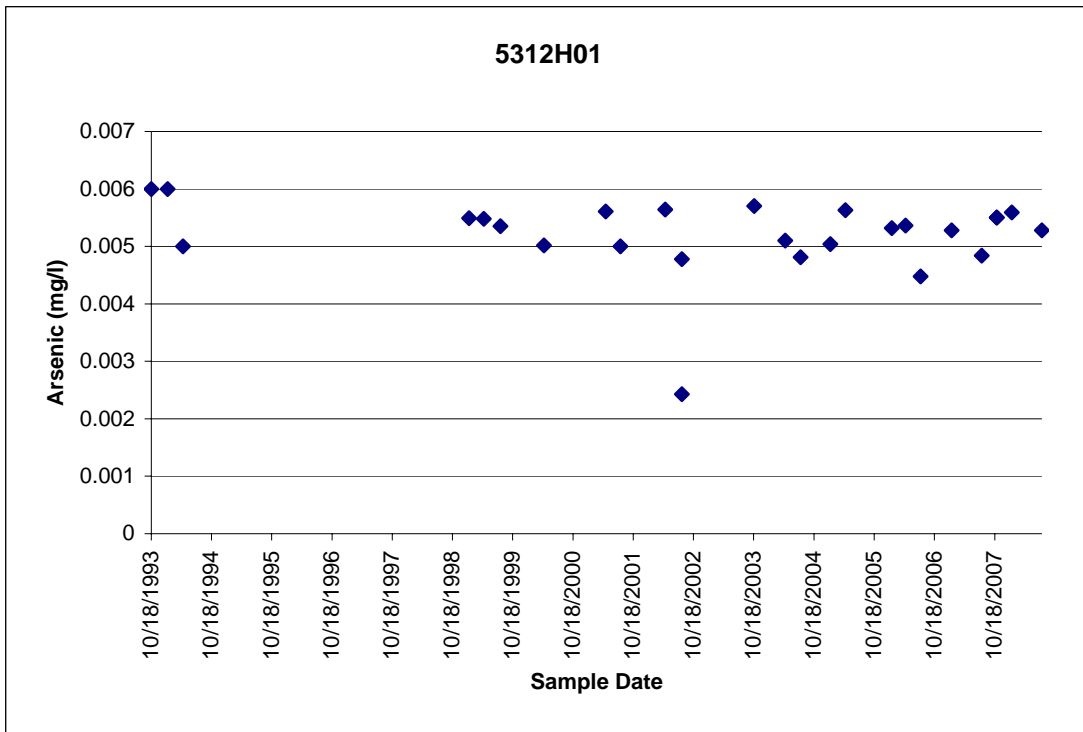
mean	0.00523
standard deviation	0.00069
minimum	0.00311
maximum	0.00728
95% confidence interval	0.00500 0.00546

Trend Analysis

n	35	Number of datapoints
S	-179	Mann Kendall test statistic
Var(S)	4958.333	Variance
Z, z(1-a)	-2.5279, 1.64	Normal approximation
Probability	0.0057	Probability associated with S for
Result	Hypothesis of increasing trend rejected Hypothesis of decreasing trend accepted	

Spokane County Water Resources
**Appendix E: Summary Statistics for Wells Exceeding Washington State
 Drinking Water Standards Arsenic Trigger Level**

5312H01 Orchard Avenue Irrigation District, Site 1



Summary Statistics

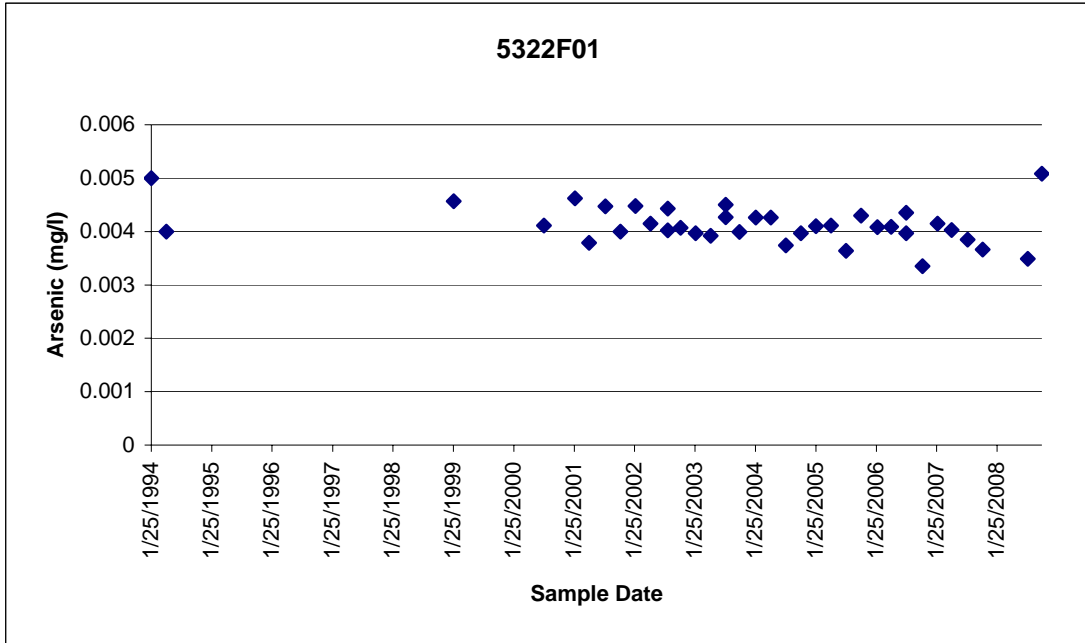
mean	0.00520
standard deviation	0.00068
minimum	0.00243
maximum	0.00600
95% confidence interval	0.00494 0.00546

Trend Analysis

n	26	Number of datapoints
S	-68	Mann Kendall test statistic
Var(S)	2057.333	Variance
Z, z(1-a)	-1.4771, 1.64	Normal approximation
Probability	0.0698	Probability associated with S for
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend rejected	

Spokane County Water Resources
**Appendix E: Summary Statistics for Wells Exceeding Washington State
 Drinking Water Standards Arsenic Trigger Level**

5322F01 CITY of SPOKANE-Ray St. Well



Summary Statistics

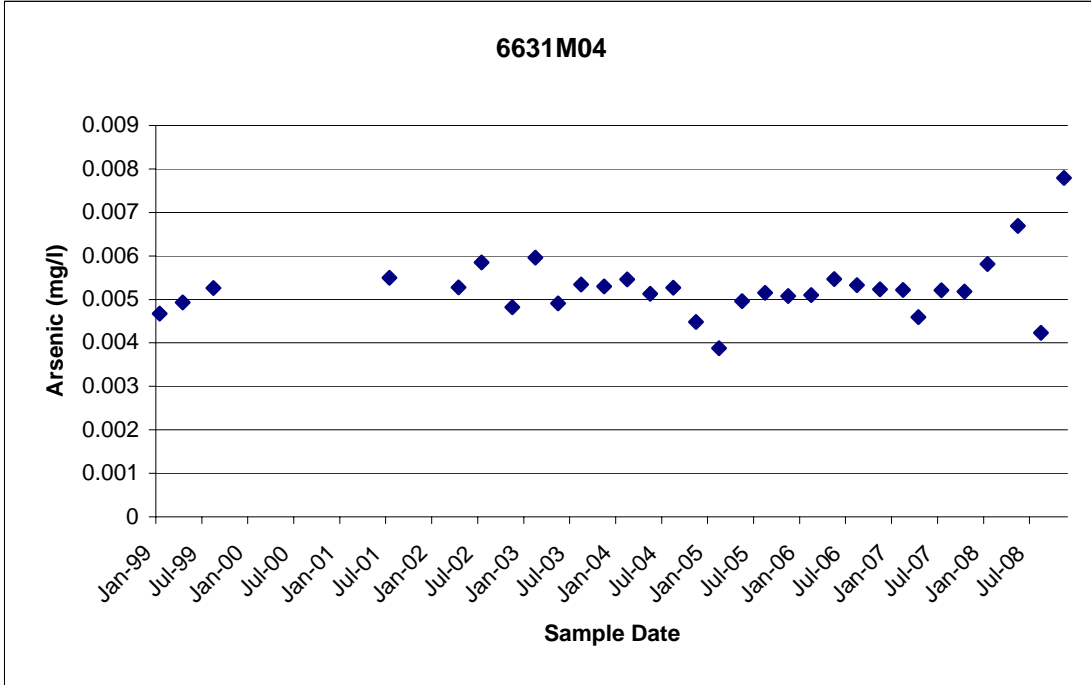
mean	0.00413
standard deviation	0.00036
minimum	0.00335
maximum	0.00508
95% confidence interval	0.00401 0.00425

Trend Analysis

n	37	Number of datapoints
S	-175	Mann Kendall test statistic
Var(S)	5845	Variance
Z, z(1-a)	-2.2759, 1.64	Normal approximation
Probability	0.0114	Probability associated with S for
Result	Hypothesis of increasing trend rejected Hypothesis of decreasing trend accepted	

Spokane County Water Resources
**Appendix E: Summary Statistics for Wells Exceeding Washington State
 Drinking Water Standards Arsenic Trigger Level**

6631M04 Consolidated Irrigation District 19



Summary Statistics

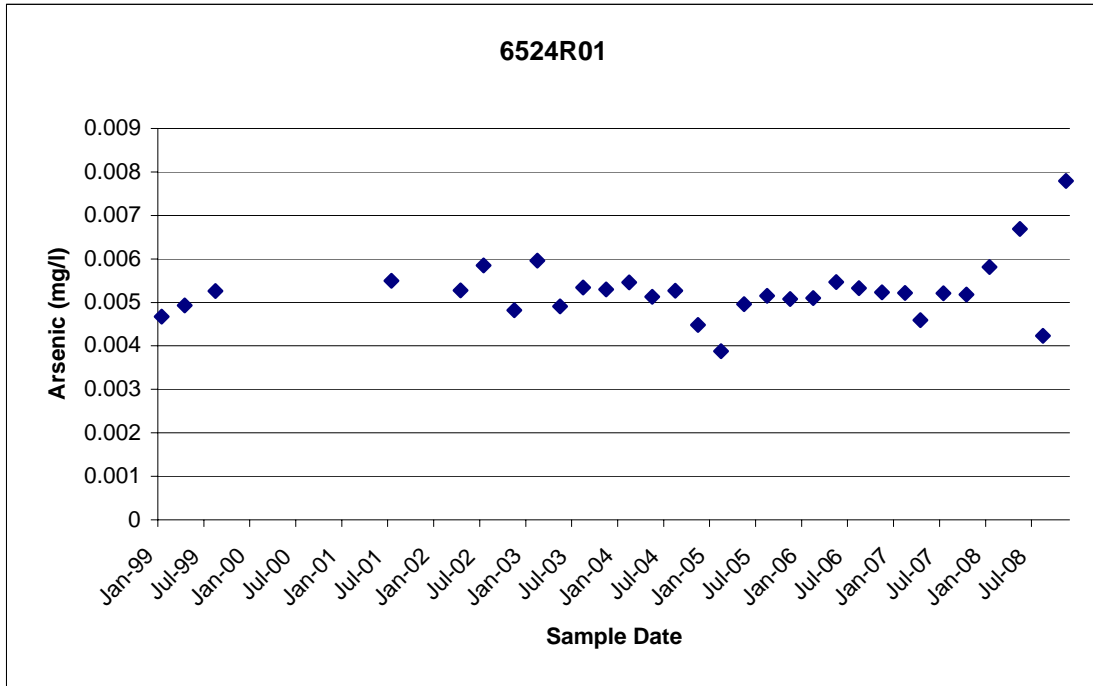
mean	0.00526
standard deviation	0.00070
minimum	0.00388
maximum	0.00779
95% confidence interval	0.00501 0.00551

Trend Analysis

n	31	Number of datapoints
S	29	Mann Kendall test statistic
Var(S)	3461.667	Variance
Z, z(1-a)	0.4759, 1.64	Normal approximation
Probability	0.3171	Probability associated with S for
Result	Hypothesis of increasing trend rejected Hypothesis of decreasing trend rejected	

Spokane County Water Resources
**Appendix E: Summary Statistics for Wells Exceeding Washington State
 Drinking Water Standards Arsenic Trigger Level**

6524R01 Idaho Road 1000 ft south of Trent, monitoring well



Summary Statistics

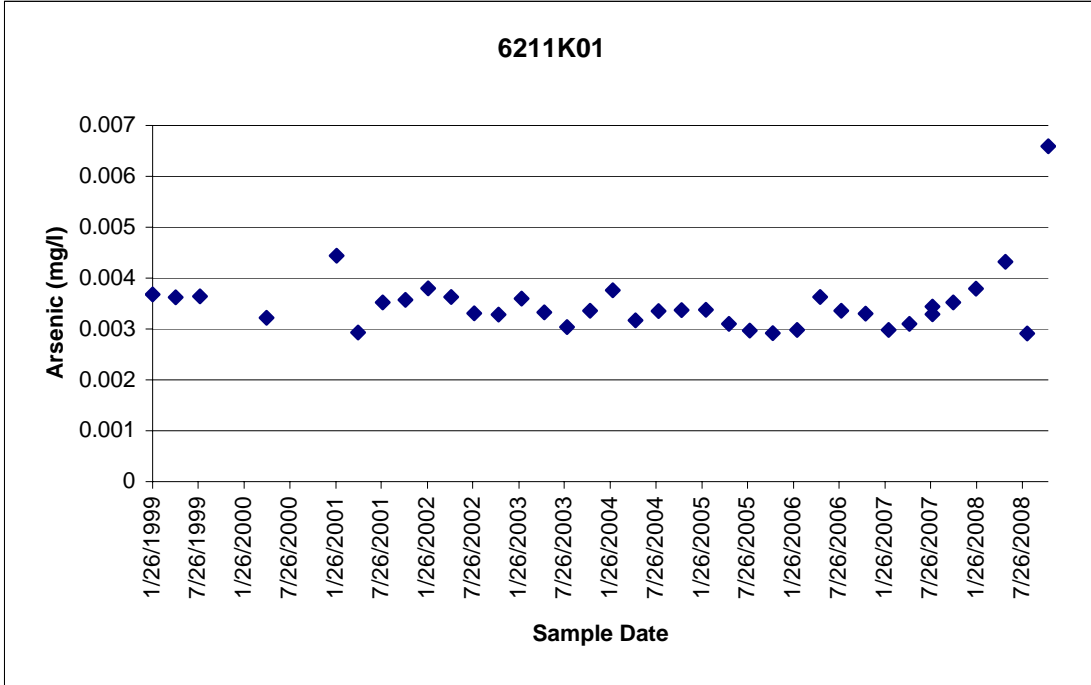
mean	0.00526
standard deviation	0.00070
minimum	0.00388
maximum	0.00779
95% confidence interval	0.00501 0.00551

Trend Analysis

n	31	Number of datapoints
S	29	Mann Kendall test statistic
Var(S)	3461.667	Variance
Z, z(1-a)	0.4759, 1.64	Normal approximation
Probability	0.3171	Probability associated with S for
Result	Hypothesis of increasing trend rejected Hypothesis of decreasing trend rejected	

Spokane County Water Resources
**Appendix E: Summary Statistics for Wells Exceeding Washington State
 Drinking Water Standards Arsenic Trigger Level**

6211K01 Spokane Fish Hatchery well



Summary Statistics

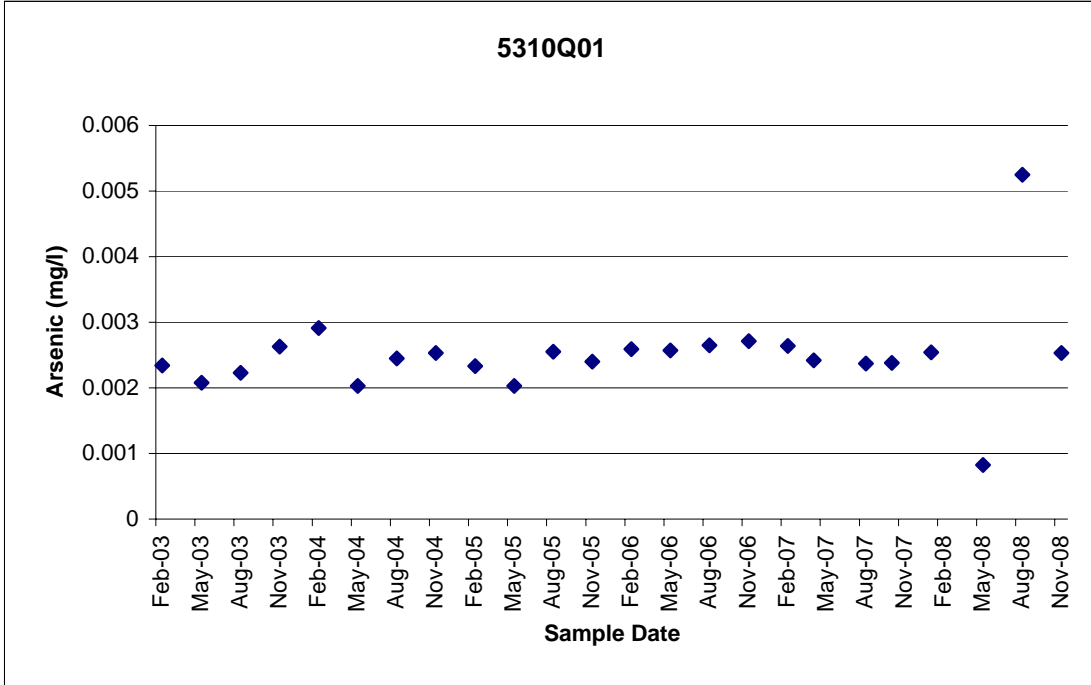
mean	0.00349
standard deviation	0.00063
minimum	0.00291
maximum	0.00659
95% confidence interval	0.00329 0.00369

Trend Analysis

n	37	Number of datapoints
S	-113	Mann Kendall test statistic
Var(S)	5846	Variance
Z, z(1-a)	-1.4648, 1.64	Normal approximation
Probability	0.0715	Probability associated with S for
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend rejected	

Spokane County Water Resources
**Appendix E: Summary Statistics for Wells Exceeding Washington State
 Drinking Water Standards Arsenic Trigger Level**

5310Q01 monitoring well at SCC



Summary Statistics

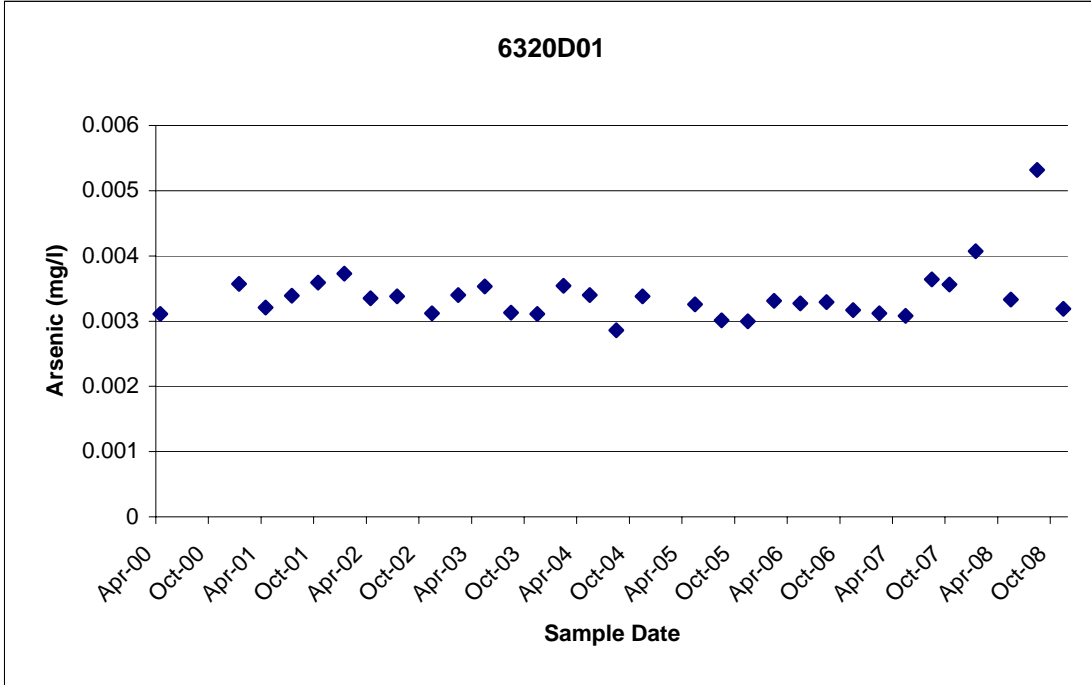
mean	0.00250
standard deviation	0.00071
minimum	0.00083
maximum	0.00525
95% confidence interval	0.00222 0.00278

Trend Analysis

n	24	Number of datapoints
S	46	Mann Kendall test statistic
Var(S)	1625.333	Variance
Z, z(1-a)	1.1162, 1.64	Normal approximation
Probability	0.1322	Probability associated with S for
Result	Hypothesis of increasing trend rejected Hypothesis of decreasing trend rejected	

Spokane County Water Resources
**Appendix E: Summary Statistics for Wells Exceeding Washington State
 Drinking Water Standards Arsenic Trigger Level**

6320D01 WHITWORTH WATER DIST. #2, Well 2A



Summary Statistics

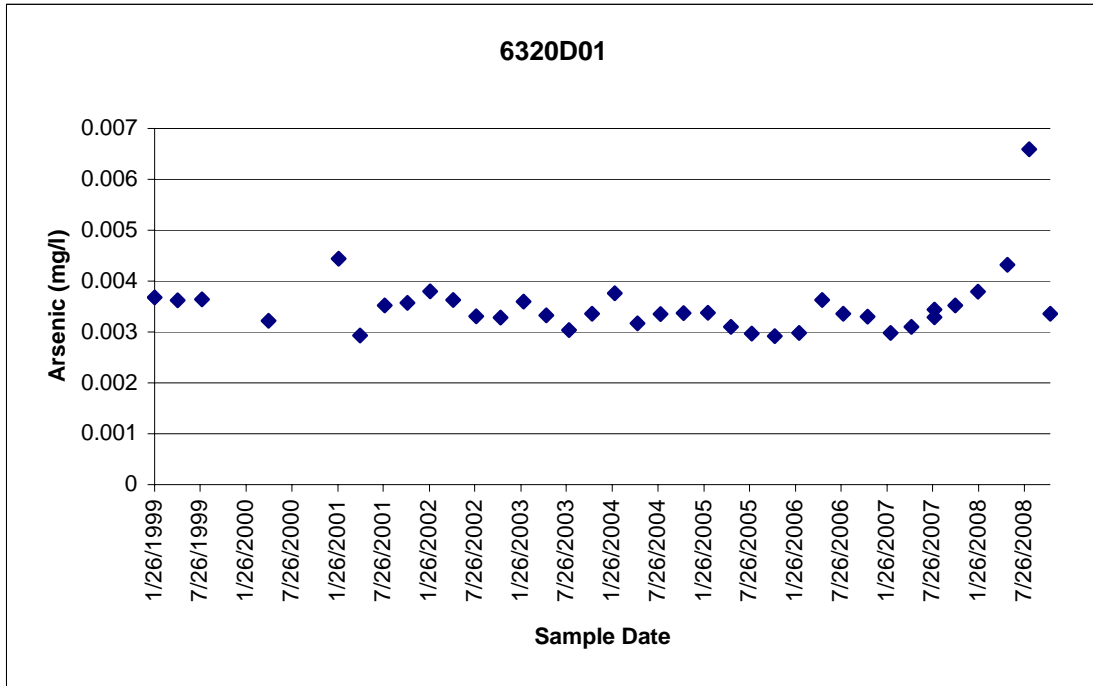
mean	0.00339
standard deviation	0.00043
minimum	0.00286
maximum	0.00532
95% confidence interval	0.00324 0.00354

Trend Analysis

n	32	Number of datapoints
S	-10	Mann Kendall test statistic
Var(S)	3802.667	Variance
Z, z(1-a)	-0.1459, 1.64	Normal approximation
Probability	0.442	Probability associated with S for
Result	Hypothesis of increasing trend rejected Hypothesis of decreasing trend rejected	

Spokane County Water Resources
**Appendix E: Summary Statistics for Wells Exceeding Washington State
 Drinking Water Standards Arsenic Trigger Level**

6211K01 WHITWORTH WATER DIST. #2, Well 2A



Summary Statistics

mean	0.00350
standard deviation	0.00063
minimum	0.00292
maximum	0.00659
95% confidence interval	0.00330 0.00370

Trend Analysis

n	37	Number of datapoints
S	-113	Mann Kendall test statistic
Var(S)	5846	Variance
Z, z(1-a)	-1.4648, 1.64	Normal approximation
Probability	0.0715	Probability associated with S for
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend rejected	