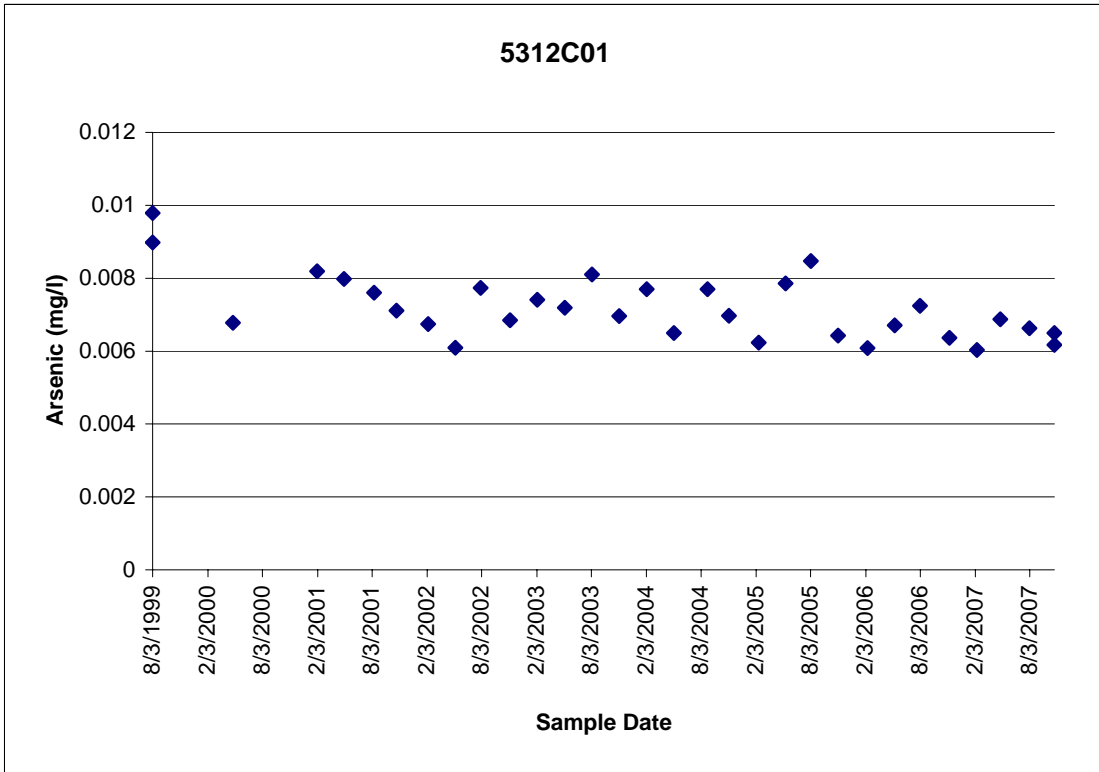


Appendix E : Summary Statistics for Wells exceeding Arsenic Water Quality Triggers

5312C01 Felts Field City Monitoring Well



Summary Statistics

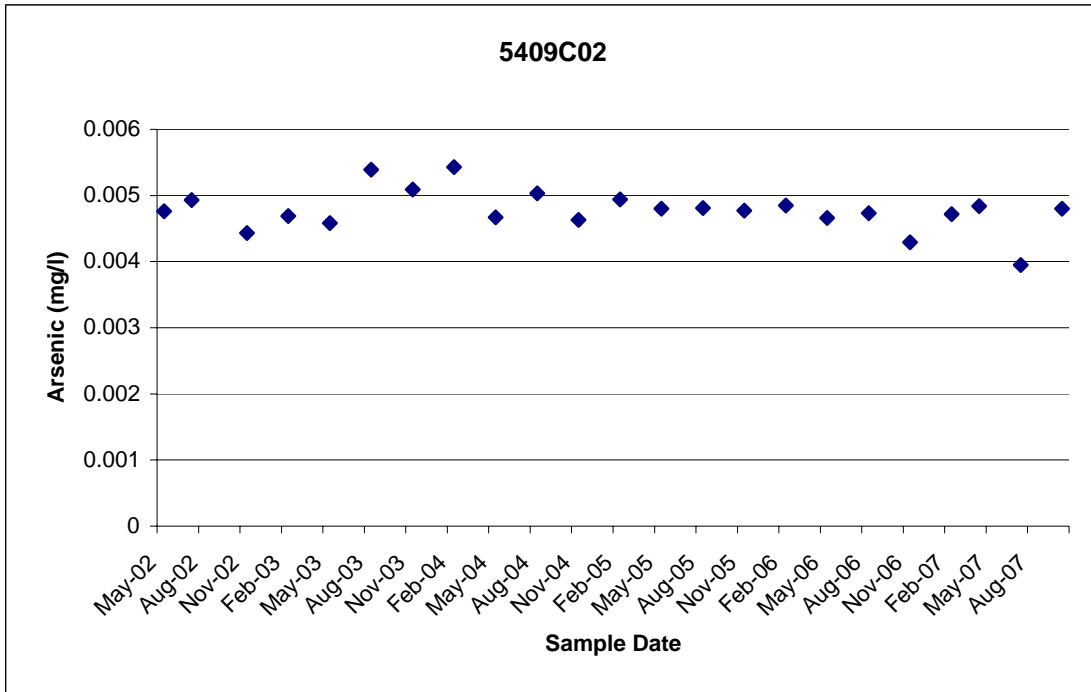
mean	0.00719
standard deviation	0.00089
minimum	0.00603
maximum	0.00979
95% confidence interval	0.00688 0.00750

Trend Analysis

n	32	Number of datapoints
S	-198	Mann Kendall test statistic
Var(S)	3802.667	Variance
Z, z(1-a)	-3.1946, 1.64	Normal approximation
Probability	-0.979	Probability of no trend
Result	Hypothesis of increasing trend rejected Hypothesis of decreasing trend accepted	

Appendix E : Summary Statistics for Wells exceeding Arsenic Water Quality Triggers

5409C02 Frederick & Bowdish, monitoring well



Summary Statistics

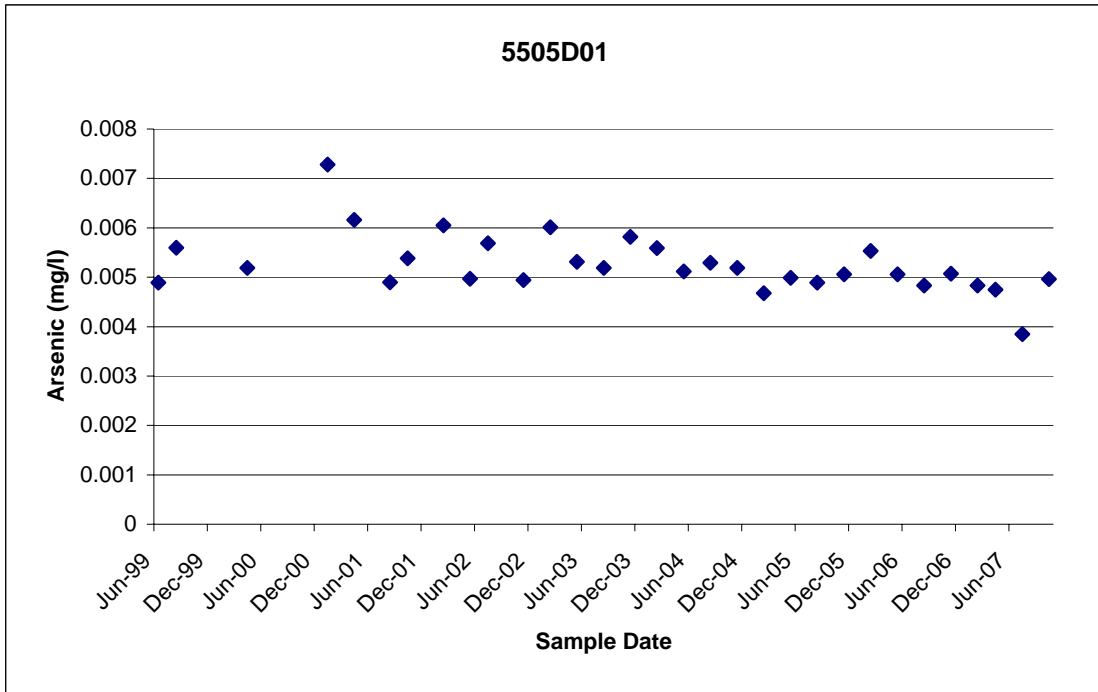
mean	0.00477
standard deviation	0.00031
minimum	0.00395
maximum	0.00543
95% confidence interval	0.00465 0.00490

Trend Analysis

n	23	Number of datapoints
S	-40	Mann Kendall test statistic
Var(S)	1433.667	Variance
Z, z(1-a)	-1.03, 1.645	Normal approximation
Probability	0.1507	Probability of no trend
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend rejected	

Appendix E : Summary Statistics for Wells exceeding Arsenic Water Quality Triggers

5505D01 Trent and Barker Road, monitoring well



Summary Statistics

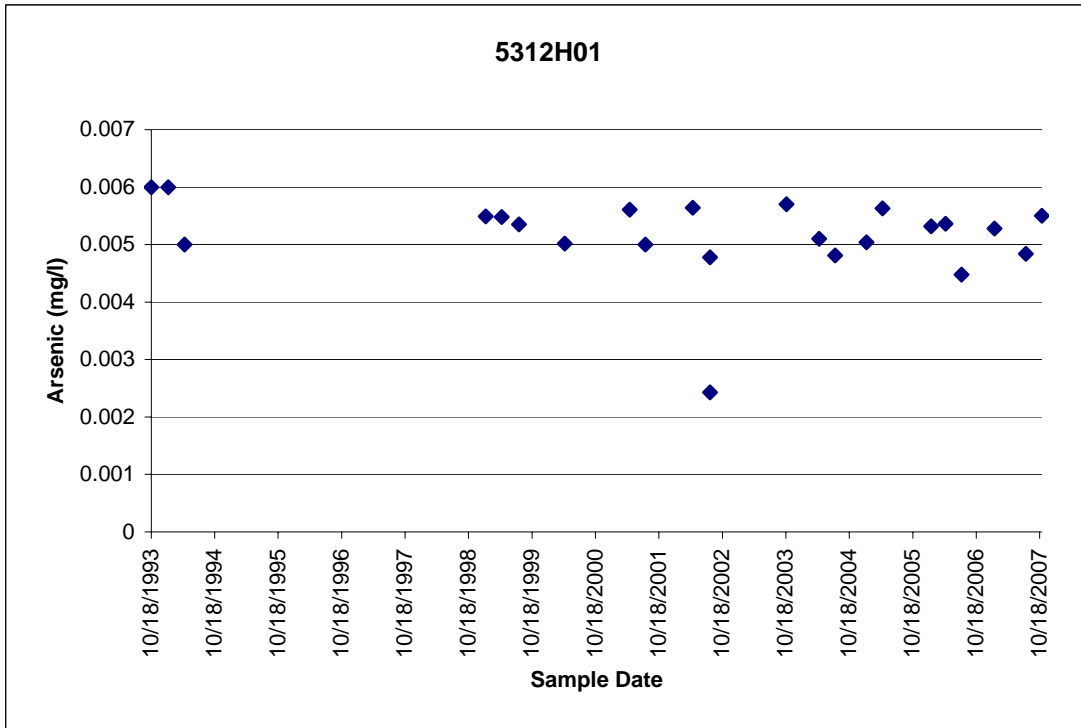
mean	0.00526
standard deviation	0.00060
minimum	0.00385
maximum	0.00728
95% confidence interval	0.00505 0.00547

Trend Analysis

n	31	Number of datapoints
S	-189	Mann Kendall test statistic
Var(S)	3461.667	Variance
Z, z(1-a)	-3.1953, 1.64	Normal approximation
Probability	-0.981	Probability of no trend
Result	Hypothesis of increasing trend rejected Hypothesis of decreasing trend accepted	

Appendix E : Summary Statistics for Wells exceeding Arsenic Water Quality Triggers

5312H01 Orchard Avenue Irrigation District, Site 1



Summary Statistics

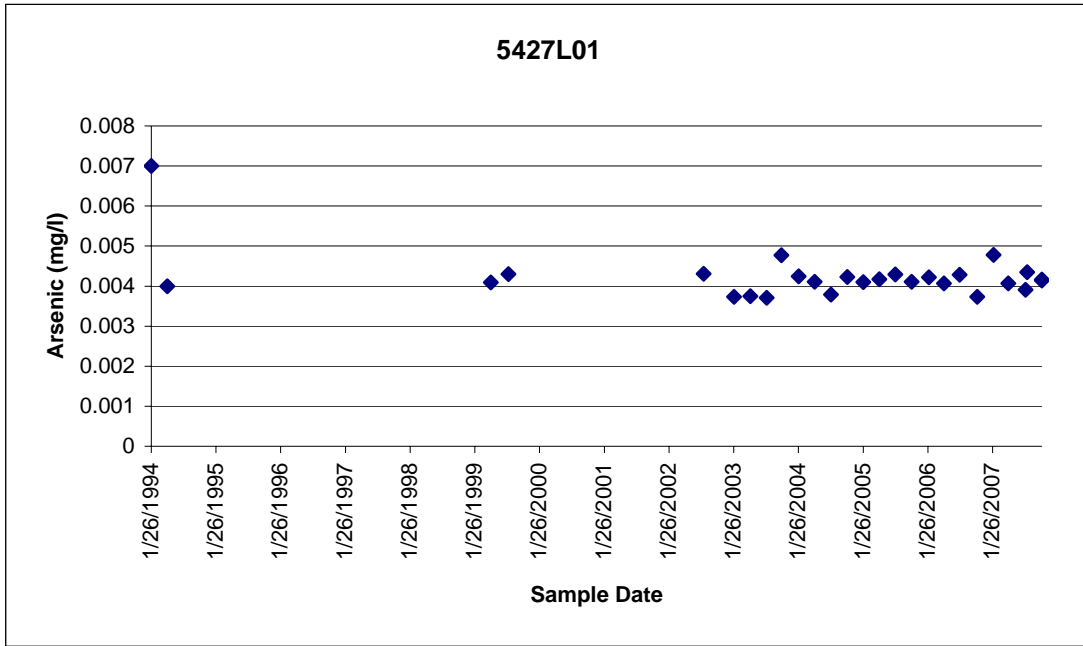
mean	0.00517
standard deviation	0.00071
minimum	0.00243
maximum	0.00600
95% confidence interval	0.00488 0.00546

Trend Analysis

n	24	Number of datapoints
S	-76	Mann Kendall test statistic
Var(S)	1624.333	Variance
Z, z(1-a)	-1.8609, 1.64	Normal approximation
Probability	0.0074	Probability of no trend
Result	Hypothesis of increasing trend rejected Hypothesis of decreasing trend accepted	

Appendix E : Summary Statistics for Wells exceeding Arsenic Water Quality Triggers

5427L01 Spokane Co Water District #3, Site 2-5.



Summary Statistics

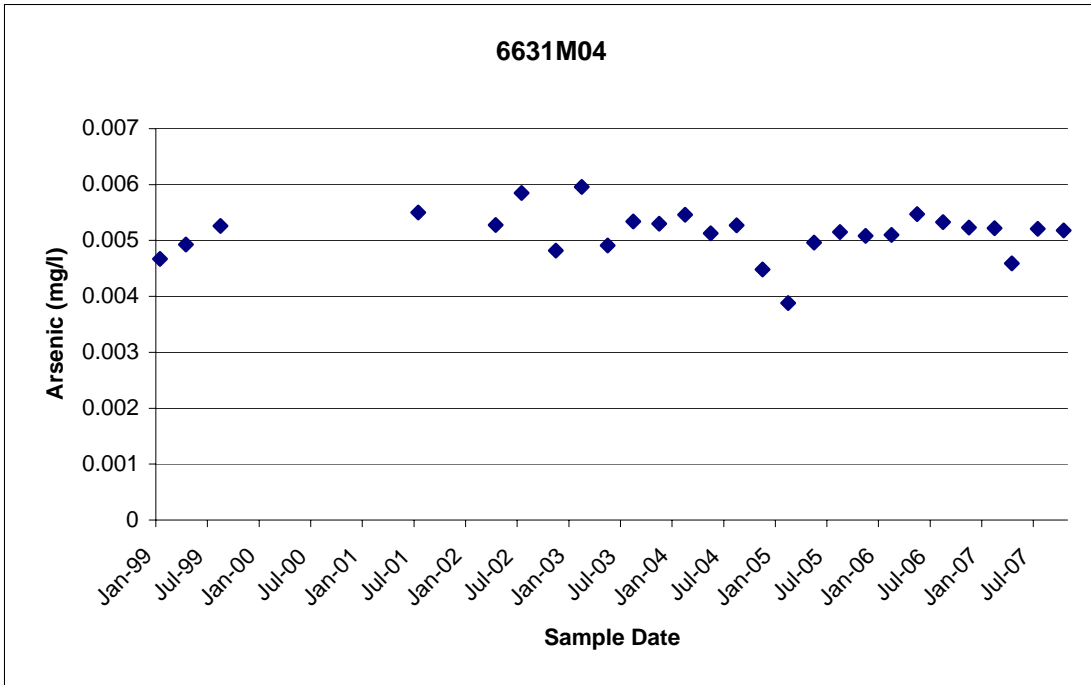
mean	0.00424
standard deviation	0.00061
minimum	0.00371
maximum	0.00700
95% confidence interval	0.00401 0.00447

Trend Analysis

n	27	Number of datapoints
S	0	Mann Kendall test statistic
Var(S)	2301	Variance
Z, z(1-a)	0.00, 1.645	Normal approximation
Probability	0.5	Probability of no trend
Result	Hypothesis of increasing trend rejected	
	Hypothesis of decreasing trend rejected	

Appendix E : Summary Statistics for Wells exceeding Arsenic Water Quality Triggers

6631M04 Consolidated Irrigation District 19



Summary Statistics

mean	0.00513
standard deviation	0.00041
minimum	0.00388
maximum	0.00596
95% confidence interval	0.00498 0.00529

Trend Analysis

n	27	Number of datapoints
S	-25	Mann Kendall test statistic
Var(S)	2301	Variance
Z, z(1-a)	-0.5003, 1.64	Normal approximation
Probability	0.3084	Probability of no trend
Result	Hypothesis of increasing trend rejected Hypothesis of decreasing trend rejected	