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ANNUAL GROUNDWATER MONITORING REPORT FOR AMMUNITION BURNING GROUNDS, OLD RIFLE RANGE, and DEMO RANGE

CY2004

NAVAL SURFACE WARFARE CENTER, CRANE DIVISION
CRANE, INDIANA

Report date: 29 September 2005
Binder 2 of 2

SAIC®
From Science to Solutions™

Prepared By:
SAIC
R.R. 6 Box 28
Bloomfield, IN 47424
(812) 384-3587

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7.0

STATISTICAL ANALYSIS

7.0 ASSESSMENT OF DATA FOR USE IN STATISTICAL ANALYSIS

As discussed in Section 9.2.2 of the QAPP, qualification of analytical data during the validation process (i.e., the application of U, BU, J, BJ, JN, UJ, UR, and R qualifiers) will be conducted as required by Region 5 data validation SOPs. The addition of the data qualifiers to analytical results signifies the occurrence of QC noncompliance's that have been noted during the course of data validation. The various data qualifiers are defined as follows:

- **U** – Indicates that the chemical was not detected at the sample quantitation limit (SQL) noted. The laboratory reports the SQL for an analysis followed by this qualifier code if the analyte was not detected at a concentration greater than or equal to the SQL. This qualifier is added to a positive result (reported by the laboratory) during data validation if the detected concentration is determined to be attributable to contamination introduced during field sampling.

- **BU** – Indicates that the chemical was not detected at the SQL noted. This qualifier is added to a positive result (reported by the laboratory) during data validation if the detected concentration is determined to be attributable to contamination introduced during laboratory analysis.

- **UJ** – Indicates that the chemical was not detected at the SQL noted. However, the SQL is considered to be an estimate based on technical problems identified during data validation.

- **J** – Indicates that the chemical was detected. However, the laboratory-reported quantity is considered to be an estimate of the concentration that is actually present in the sample.

- **BJ** – Indicates that the chemical was detected in the sample as well as in an associated laboratory blank. The detected concentration was not determined during data validation to be wholly attributable to contamination introduced during laboratory analysis. However, the laboratory-reported quantity is considered to be an estimate of the concentration that is actually present in the sample.

- **JN** – Indicates that the qualitative presence of the chemical cannot be definitely confirmed, but that the chemical is presumed to be present. The laboratory-reported quantity is considered to be an estimated concentration. This qualifier is added to a positive result during data validation whenever qualitative and quantitative confirmation is not definitive.

- **UR** – Indicates that the nondetected analytical result (i.e., the SQL) reported by the laboratory is considered to be unreliable or unusable and has been rejected. The chemical may or may not be present. This qualifier is applied in cases of gross technical deficiencies (e.g., holding times missed by a factor of two times the specified limit, severe calibration noncompliance, and extremely low QC recoveries).

- **R** – Indicates that the positive analytical result reported by the laboratory is considered to be unreliable and unusable and has been rejected. The chemical may or may not be present. This qualifier is applied in cases of gross technical deficiencies.

- **E (Inorganic)** – The reported value is estimated because of the presence of interference.

- **D** – The value reported derives from analysis of a diluted sample of the sample extract.

- **E (Organic)** – The flagged value was reported from an analysis that exceeded the linear range of the instrument. Values so flagged should be considered estimates.

- **P** – When a dual column GC technique is employed, this flag indicates that test results from the two columns differ by more than 25%. Generally, we report the higher value.

- **X** – Samples were analyzed at least twice and the (X) compound may be quantitated in each analysis, but the X indicates the value that Laucks feels is most accurate.

- * – Duplicate analysis not within control limits.

- **Z** – Signifies that a coelution has occurred between two or more target analytes on the confirmation CN column. For this reason, only qualitative confirmation is possible.

Statistical Methodology

PARAMETRIC ANOVA

The parametric analysis of variance (ANOVA) technique is the preferred approach for comparing environmental measurement from different data sets to determine if they come from the same underlying background distribution. Parametric ANOVA methods make two key assumptions: (1) the data sets are all normally (or log-normally) distributed and (2) the group variances are approximately equal. For only about eight values in each set of data it is difficult to fail the normality test. If the variances are not homogeneous, this tends to cause the mean-square-error to be overly large. This can cause significant differences to be missed. However, if the ANOVA shows a significant difference, one can guarantee it is truly a significant difference within the alpha level used in the analysis. The alpha level used in an analysis is the probability of making an error when a difference is declared to be significant when it is really caused by random sampling and is not truly different. The alpha level used in these analyses was .05. The data in this analysis passed the normality test but several cases failed the test for homogeneity of variance. An ANOVA was still used for all the data. Any differences declared significant should still be valid. Some true differences could be missed. Once an ANOVA is done and a statistical difference is shown, the next step is to find out which values are different. This requires a multiple comparison test. There are many multiple comparison tests. The STATISTICA statistical package contains four such tests. Two of these were chosen: Newman-Keuls test and Duncan's Multiple Range Test. The results of these two tests are very similar.

NONPARAMETRIC ANOVA

It was recommended by IDEM that if the data failed the normality test or the homogeneous variance test that a nonparametric ANOVA test should be used. The one recommended by IDEM was the Kruskel-Wallis Rank Sum test.

The procedure for the Kruskal-Wallis test (U.S. EPA, 1989. Guidance Document on the Statistical Analysis of Ground-Water Monitoring Data at RCRA Facilities. EPA 530/SW-89-026) is described in the following paragraphs.

Step 1. Rank all N observations of the k wells from least to greatest.

Step 2. Add the ranks of the observations for each well. Call the sum of the ranks for the ith well R_i. Also, calculate the average rank for each well by:

$$\overline{R_i} = \frac{R_i}{N_i}$$

Step 3. Compute the Kruskal-Wallis statistic given by:

$$H = \left[\frac{12}{N(N+1)} \sum_{i=1}^{k} \frac{R_i^2}{N_i} \right] - 3(N+1)$$

where N = total number of samples,
N_i = number of each samples for each well, and
k = number of wells.

An adjustment to the Kruskal-Wallis statistic must be made to account for the presence of tied values. Tied values are those in which have the same concentration for a given analyte. This adjustment is given by the following formula:

$$H' = \frac{H}{1 - \left[\frac{\sum_{i=1}^{g} t_i^3 - t_i}{N^3 - N} \right]}$$

where g = the number of groups of distinct tied observations and
t_i = the number of tied observations in the ith group.

Step 4. Compare the calculated value H (or H') to the tabulated X^2 (chi-squared) value with (k-1) degrees of freedom, where k is the number of wells.

Step 5. If the computed H value exceeds the tabulated X^2 value, compute the critical difference for the wells

$$C_i = Z_{0.05/k-1} \sqrt{N(N+1)\frac{1}{12}\left[\frac{1}{N_1} + \frac{1}{N_i}\right]}$$

for i=2,…,k and $Z_{0.05/k-1}$ is the upper (100-(5/k-1))th percentile of the standard normal distribution.

Step 6. Compute the differences between the average ranks of each well and compare the differences to the critical values from Step 5 in order to determine which wells give significant evidence of contamination. That is, compare

$$D_i = \overline{R_i} - \overline{R_1}$$

to C_i for $i = 2,\ldots,k$. If D_i exceeds C_i, we can determine that the ith well exhibits statistically significant higher concentrations than the upgradient wells. If D_i does not exceed C_i, there is no statistically significant evidence of higher concentrations in the ith well relative to the upgradient wells.

This analysis method also has a weakness. Again if a difference is declared then it is truly a significant difference. But since the ranks are used instead of the values, many true differences are likely to be missed. In the analysis it was observed that when the upgradient well was second highest and a downgradient well was highest, this test could never declare a statistical difference no matter how large the values were for the highest well. A t-test used on the highest wells showed the difference to be highly significant in some cases.

Since both parametric and nonparametric ANOVA's have weaknesses for our data, both were run. Any statistical differences declared by those two analyses should point to a possible problem area. All of these tests were run using the STATISTICA statistical package.

Statistical evaluation procedures must be performed on the list of constituents from Table 1-2 of the Ground Water Monitoring Plan. Table 7.1 shows those constituents that had enough detections to complete a statistical analysis. Not all wells have detections for these constituents. A standard deviation of zero indicates that all of the readings were the same. This usually implies that there were no detections. It has been requested by the EPA that only the last four quarters of data be used for analyses. This includes 2004 data for Ammunition Burning Grounds (ABG) and Old Rifle Range (ORR), and 2003 and 2004 data for Demo Range (DR). Tables for each parameter, with applicable wells listed, begins on page 156.

Table 7.1. Table of Detected Analytes with More Than Two Positive Results.

	CONSTITUENTS	ABG	ORR	DR
EXPLOSIVES				
1.	1,3,5-Trinitrobenzene	X		
2.	2,4,6-Trinitrotoluene		X	
3.	2-Amino-4,6-dinitrotoluene	X	X	
4.	4-Amino-2,6-dinitrotoluene	X	X	
5.	HMX	X		
6.	RDX	X		
METALS				
7.	Aluminum			X
8.	Antimony		X	X
9.	Arsenic	X	X	X
10.	Barium	X	X	X
11.	Calcium	X		
12.	Chromium	X		X
13.	Cobalt			X
14.	Copper	X	X	X
15.	Lead	X	X	
16.	Magnesium	X		
17.	Manganese		X	X
18.	Nickel			X
19.	Potassium	X		
20.	Selenium	X	X	X
21.	Sodium	X		
22.	Vanadium	X	X	X
23.	Zinc	X	X	X
VOLATILE ORGANIC COMPOUNDS				
24.	1,2-Dichloroethane	X		
25.	Carbon tetrachloride	X		
26.	Chloroform	X		
27.	cis-1,2-Dichloroethene	X		
28.	Tetrachloroethene	X		
29.	trans-1,2-Dichloroethene	X		
30.	Trichloroethene	X		
MISCELLANEOUS PARAMETERS				
31.	Ammonia		X	
32.	Chloride	X		
33.	Sulfate	X		

Table 7.1. Table of Detected Analytes with More Than Two Positive Results. (Continued)

	CONSTITUENTS	ABG	ORR	DR
34.	Total Phosphorus	X		
35.	Total Organic Carbon (TOC)		X	X
36.	Total Organic Halogens (TOX)	X		

X=Positive response for the analyte

DATA ANALYZED

The following table shows some isolated detections but not enough information is available to complete statistical analyses.

CONSTITUENT	LOCATION	AQUIFER	WELL	QUARTER	YEAR	AMOUNT
1,3,5-Trinitrobenzene	ORR[1]	B[2]	C15	4	2004	1.1
2,4,6-Trinitrotoluene	ABG[3]	A[4]	SPA	2	2004	4.5
2,4,6-Trinitrotoluene	ABG	A	SPA	3	2004	6.0
Cadmium (Filtered)	ORR	C[5]	C13P2	4	2004	1.6
Chromium	ORR	B	C14	1	2004	6.5
Copper (Filtered)	ABG	A	C03	4	2004	2.2
Copper	ORR	C	C18P2	2	2004	8.6
Lead	DR[6]	B[7]	C08	1	2004	2.1
Lead	ORR	C	C18P2	2	2004	1.7
Nickel	ABG	A	C04	4	2004	14.2
Nickel	ABG	A	C08P2	4	2004	11.7
Nitrocellulose	ORR	B	C15	4	2004	2000
Phosphorus (Filtered)	ABG	A	C09P2	2	2004	.2
RDX	DR	P[8]	C03P2	3	2004	.79
Selenium	DR	B	C03	3	2004	1.3
Selenium	DR	B	C04	3	2004	1.4
Total Organic Carbon	ABG	A	SPA	4	2004	1.0
Total Organic Carbon	ABG	A	SPC	1	2004	1.05
Total Organic Halogens	ORR	C	C18P2	2	2004	.08
Total Organic Halogens	ORR	C	C18P2	4	2004	.1
Vanadium	DR	B	C08	1	2004	4.1
Vanadium (Filtered)	ABG	A	C04	4	2004	2.3
Vanadium (Filtered)	ABG	A	C07	4	2004	2.2
Zinc	DR	B	C08	1	2004	49.9
Zinc	ORR	C	C18P2	3	2004	53.3
Zinc (Filtered)	ORR	C	C19P2	3	2004	2590

[1] ORR - Old Rifle Range
[2] B - Beech Creek Aquifer for Old Rifle Range
[3] ABG - Ammunition Burning Grounds
[4] A - Beech Creek Aquifer for Ammunition Burning Grounds
[5] C - Big Clifty Aquifer for Old Rifle Range
[6] DR - Demo Range
[7] B - Big Clifty/Beech Creek Aquifer for Demo Range
[8] P - Pennsylvanian Aquifer for Demo Range

The lab data for the constituents that had detections are shown on the following pages in Table 7.2 through Table 7.39. Only raw data for 2004 are shown in the following tables.

Table 7.2. Raw Data for 1,3,5-Trinitrobenzene.

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC02P21A04	A	C02P2	1	1	1,3,5-TRINITROBENZENE	N	1	2004	0.52	UG/L	U
AC02P22A04	A	C02P2	1	1	1,3,5-TRINITROBENZENE	N	2	2004	0.55	UG/L	U
AC02P23A04	A	C02P2	1	1	1,3,5-TRINITROBENZENE	N	3	2004	0.52	UG/L	U
AC02P24A04	A	C02P2	1	1	1,3,5-TRINITROBENZENE	N	4	2004	0.54	UG/L	U
AC031A04	A	C03	2	1	1,3,5-TRINITROBENZENE	N	1	2004	0.57	UG/L	U
AC032A04	A	C03	2	1	1,3,5-TRINITROBENZENE	N	2	2004	0.49	UG/L	U
AC033A04	A	C03	2	1	1,3,5-TRINITROBENZENE	N	3	2004	0.53	UG/L	U
AC034A04	A	C03	2	1	1,3,5-TRINITROBENZENE	N	4	2004	0.54	UG/L	U
AC041A04	A	C04	3	1	1,3,5-TRINITROBENZENE	N	1	2004	0.56	UG/L	U
AC042A04	A	C04	3	1	1,3,5-TRINITROBENZENE	N	2	2004	0.56	UG/L	U
AC043A04	A	C04	3	1	1,3,5-TRINITROBENZENE	N	3	2004	0.53	UG/L	U
AC044A04	A	C04	3	1	1,3,5-TRINITROBENZENE	N	4	2004	0.59	UG/L	UJ
AC071A04	A	C07	4	1	1,3,5-TRINITROBENZENE	N	1	2004	0.48	UG/L	U
AC072A04	A	C07	4	1	1,3,5-TRINITROBENZENE	N	2	2004	0.55	UG/L	U
AC073A04	A	C07	4	1	1,3,5-TRINITROBENZENE	N	3	2004	0.53	UG/L	U
AC074A04	A	C07	4	1	1,3,5-TRINITROBENZENE	N	4	2004	0.53	UG/L	U
AC08P21A04	A	C08P2	5	1	1,3,5-TRINITROBENZENE	N	1	2004	0.54	UG/L	U
AC08P22A04	A	C08P2	5	1	1,3,5-TRINITROBENZENE	N	2	2004	0.54	UG/L	U
AC08P23A04	A	C08P2	5	1	1,3,5-TRINITROBENZENE	N	3	2004	0.52	UG/L	U
AC08P24A04	A	C08P2	5	1	1,3,5-TRINITROBENZENE	N	4	2004	0.54	UG/L	U
AC09P21A04	A	C09P2	6	1	1,3,5-TRINITROBENZENE	N	1	2004	0.53	UG/L	U
FD03080401	A	C09P2	6	1	1,3,5-TRINITROBENZENE	N	1	2004	0.54	UG/L	U
AC09P22A04	A	C09P2	6	1	1,3,5-TRINITROBENZENE	N	2	2004	0.53	UG/L	U
AC09P23A04	A	C09P2	6	1	1,3,5-TRINITROBENZENE	N	3	2004	0.54	UG/L	U
AC09P24A04	A	C09P2	6	1	1,3,5-TRINITROBENZENE	N	4	2004	0.54	UG/L	U
FD12290402	A	C09P2	6	1	1,3,5-TRINITROBENZENE	N	4	2004	0.57	UG/L	U
AC151A04	A	C15	7	1	1,3,5-TRINITROBENZENE	N	1	2004	0.52	UG/L	U
AC152A04	A	C15	7	1	1,3,5-TRINITROBENZENE	N	2	2004	0.54	UG/L	U
FD06210401	A	C15	7	1	1,3,5-TRINITROBENZENE	N	2	2004	0.55	UG/L	U
AC153A04	A	C15	7	1	1,3,5-TRINITROBENZENE	N	3	2004	0.55	UG/L	U
FD09200402	A	C15	7	1	1,3,5-TRINITROBENZENE	N	3	2004	0.58	UG/L	U
AC154A04	A	C15	7	1	1,3,5-TRINITROBENZENE	N	4	2004	0.52	UG/L	U
FD12160401	A	C15	7	1	1,3,5-TRINITROBENZENE	N	4	2004	0.53	UG/L	U
AC171A04	A	C17	8	1	1,3,5-TRINITROBENZENE	N	1	2004	0.53	UG/L	U
AC172A04	A	C17	8	1	1,3,5-TRINITROBENZENE	N	2	2004	0.53	UG/L	U
AC173A04	A	C17	8	1	1,3,5-TRINITROBENZENE	N	3	2004	0.53	UG/L	U
FD09200401	A	C17	8	1	1,3,5-TRINITROBENZENE	N	3	2004	0.54	UG/L	U
AC201A04	A	C20	9	1	1,3,5-TRINITROBENZENE	N	1	2004	6.8	UG/L	
AC202B04	A	C20	9	1	1,3,5-TRINITROBENZENE	N	2	2004	6.5	UG/L	
AC203A04DL	A	C20	9	1	1,3,5-TRINITROBENZENE	N	3	2004	5.9	UG/L	DP
AC204A04	A	C20	9	1	1,3,5-TRINITROBENZENE	N	4	2004	7.5	UG/L	
AC251A04	A	C25	10	1	1,3,5-TRINITROBENZENE	N	1	2004	0.49	UG/L	U

Table 7.2. Raw Data for 1,3,5-Trinitrobenzene. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC252A04	A	C25	10	1	1,3,5-TRINITROBENZENE	N	2	2004	0.54	UG/L	U
AC253A04	A	C25	10	1	1,3,5-TRINITROBENZENE	N	3	2004	0.56	UG/L	U
AC254A04	A	C25	10	1	1,3,5-TRINITROBENZENE	N	4	2004	0.56	UG/L	U
AC261A04	A	C26	11	1	1,3,5-TRINITROBENZENE	N	1	2004	0.53	UG/L	U
AC262A04	A	C26	11	1	1,3,5-TRINITROBENZENE	N	2	2004	0.54	UG/L	U
AC263A04	A	C26	11	1	1,3,5-TRINITROBENZENE	N	3	2004	0.57	UG/L	U
AC264A04	A	C26	11	1	1,3,5-TRINITROBENZENE	N	4	2004	0.54	UG/L	U
AC271A04	A	C27	12	1	1,3,5-TRINITROBENZENE	N	1	2004	0.51	UG/L	U
AC272A04	A	C27	12	1	1,3,5-TRINITROBENZENE	N	2	2004	0.55	UG/L	U
AC273A04	A	C27	12	1	1,3,5-TRINITROBENZENE	N	3	2004	0.53	UG/L	U
AC301A04	A	C30	13	1	1,3,5-TRINITROBENZENE	N	1	2004	0.54	UG/L	U
AC302A04	A	C30	13	1	1,3,5-TRINITROBENZENE	N	2	2004	0.54	UG/L	U
AC303A04	A	C30	13	1	1,3,5-TRINITROBENZENE	N	3	2004	0.53	UG/L	U
AC304A04	A	C30	13	1	1,3,5-TRINITROBENZENE	N	4	2004	0.54	UG/L	UJ
ACRB3A04	A	CRB	16	1	1,3,5-TRINITROBENZENE	N	3	2004	0.52	UG/L	U
ASPA1A04	A	SPA	14	1	1,3,5-TRINITROBENZENE	N	1	2004	0.54	UG/L	U
ASPA2A04	A	SPA	14	1	1,3,5-TRINITROBENZENE	N	2	2004	0.54	UG/L	U
ASPA3A04DL	A	SPA	14	1	1,3,5-TRINITROBENZENE	N	3	2004	5.2	UG/L	U
ASPA4A04	A	SPA	14	1	1,3,5-TRINITROBENZENE	N	4	2004	0.51	UG/L	U
ASPC1A04	A	SPC	15	1	1,3,5-TRINITROBENZENE	N	1	2004	0.53	UG/L	U
FD03030401	A	SPC	15	1	1,3,5-TRINITROBENZENE	N	1	2004	0.53	UG/L	U
ASPC2A04	A	SPC	15	1	1,3,5-TRINITROBENZENE	N	2	2004	0.53	UG/L	U
FD06290401	A	SPC	15	1	1,3,5-TRINITROBENZENE	N	2	2004	0.53	UG/L	U
ASPC3A04	A	SPC	15	1	1,3,5-TRINITROBENZENE	N	3	2004	0.51	UG/L	U
ASPC4A04	A	SPC	15	1	1,3,5-TRINITROBENZENE	N	4	2004	0.52	UG/L	U
DC021A04	D	C02	1	1	1,3,5-TRINITROBENZENE	N	1	2004	0.54	UG/L	U
DC023A04	D	C02	1	1	1,3,5-TRINITROBENZENE	N	3	2004	0.54	UG/L	U
DC031A04	D	C03	2	1	1,3,5-TRINITROBENZENE	N	1	2004	0.52	UG/L	U
DC033A04	D	C03	2	1	1,3,5-TRINITROBENZENE	N	3	2004	0.53	UG/L	U
FD07210401	D	C03	2	1	1,3,5-TRINITROBENZENE	N	3	2004	0.53	UG/L	U
DC041A04	D	C04	3	1	1,3,5-TRINITROBENZENE	N	1	2004	0.53	UG/L	U
FD01140401	D	C04	3	1	1,3,5-TRINITROBENZENE	N	1	2004	0.51	UG/L	U
DC043A04	D	C04	3	1	1,3,5-TRINITROBENZENE	N	3	2004	0.53	UG/L	U
FD07150401	D	C04	3	1	1,3,5-TRINITROBENZENE	N	3	2004	0.54	UG/L	U
DC051A04	D	C05	4	1	1,3,5-TRINITROBENZENE	N	1	2004	0.54	UG/L	U
DC053A04	D	C05	4	1	1,3,5-TRINITROBENZENE	N	3	2004	0.53	UG/L	U
DC061A04	D	C06	5	1	1,3,5-TRINITROBENZENE	N	1	2004	0.54	UG/L	U
FD01080401	D	C06	5	1	1,3,5-TRINITROBENZENE	N	1	2004	0.54	UG/L	U
DC063A04	D	C06	5	1	1,3,5-TRINITROBENZENE	N	3	2004	0.56	UG/L	U
DC071A04	D	C07	6	1	1,3,5-TRINITROBENZENE	N	1	2004	0.54	UG/L	U
DC073A04	D	C07	6	1	1,3,5-TRINITROBENZENE	N	3	2004	0.53	UG/L	U
DC081A04	D	C08	7	1	1,3,5-TRINITROBENZENE	N	1	2004	0.57	UG/L	U
DC083A04	D	C08	7	1	1,3,5-TRINITROBENZENE	N	3	2004	0.54	UG/L	U
DC03P21A04	D	C03P2	1	2	1,3,5-TRINITROBENZENE	N	1	2004	0.54	UG/L	U

Table 7.2. Raw Data for 1,3,5-Trinitrobenzene. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
DC03P23A04	D	C03P2	1	2	1,3,5-TRINITROBENZENE	N	3	2004	0.53	UG/L	U
DC04P21A04	D	C04P2	2	2	1,3,5-TRINITROBENZENE	N	1	2004	0.56	UG/L	U
DC04P23A04	D	C04P2	2	2	1,3,5-TRINITROBENZENE	N	3	2004	0.55	UG/L	U
DC06P21A04	D	C06P2	3	2	1,3,5-TRINITROBENZENE	N	1	2004	0.52	UG/L	U
DC06P23A04	D	C06P2	3	2	1,3,5-TRINITROBENZENE	N	3	2004	0.53	UG/L	U
DC08P21A04	D	C08P2	4	2	1,3,5-TRINITROBENZENE	N	1	2004	0.51	UG/L	U
DC08P23A04	D	C08P2	4	2	1,3,5-TRINITROBENZENE	N	3	2004	0.53	UG/L	U
OC081A04	O	C08	1	1	1,3,5-TRINITROBENZENE	N	1	2004	0.56	UG/L	U
OC082A04	O	C08	1	1	1,3,5-TRINITROBENZENE	N	2	2004	0.56	UG/L	U
OC083A04	O	C08	1	1	1,3,5-TRINITROBENZENE	N	3	2004	0.59	UG/L	U
OC084A04	O	C08	1	1	1,3,5-TRINITROBENZENE	N	4	2004	0.56	UG/L	U
OC111A04	O	C11	2	1	1,3,5-TRINITROBENZENE	N	1	2004	0.53	UG/L	U
OC112A04	O	C11	2	1	1,3,5-TRINITROBENZENE	N	2	2004	0.52	UG/L	U
OC113A04	O	C11	2	1	1,3,5-TRINITROBENZENE	N	3	2004	0.56	UG/L	U
OC114A04	O	C11	2	1	1,3,5-TRINITROBENZENE	N	4	2004	0.54	UG/L	U
OC121A04	O	C12	3	1	1,3,5-TRINITROBENZENE	N	1	2004	0.54	UG/L	U
OC122A04	O	C12	3	1	1,3,5-TRINITROBENZENE	N	2	2004	0.53	UG/L	U
OC123A04	O	C12	3	1	1,3,5-TRINITROBENZENE	N	3	2004	0.57	UG/L	U
OC124A04	O	C12	3	1	1,3,5-TRINITROBENZENE	N	4	2004	0.53	UG/L	U
OC131A04	O	C13	4	1	1,3,5-TRINITROBENZENE	N	1	2004	0.57	UG/L	U
OC132A04	O	C13	4	1	1,3,5-TRINITROBENZENE	N	2	2004	0.53	UG/L	U
OC133A04	O	C13	4	1	1,3,5-TRINITROBENZENE	N	3	2004	0.57	UG/L	U
OC134A04	O	C13	4	1	1,3,5-TRINITROBENZENE	N	4	2004	0.53	UG/L	U
OC141A04	O	C14	5	1	1,3,5-TRINITROBENZENE	N	1	2004	0.56	UG/L	U
OC142A04	O	C14	5	1	1,3,5-TRINITROBENZENE	N	2	2004	0.52	UG/L	U
OC143A04	O	C14	5	1	1,3,5-TRINITROBENZENE	N	3	2004	0.57	UG/L	U
OC144A04	O	C14	5	1	1,3,5-TRINITROBENZENE	N	4	2004	0.52	UG/L	U
OC151A04	O	C15	6	1	1,3,5-TRINITROBENZENE	N	1	2004	0.87	UG/L	
FD02100401	O	C15	6	1	1,3,5-TRINITROBENZENE	N	1	2004	0.79	UG/L	
OC152A04	O	C15	6	1	1,3,5-TRINITROBENZENE	N	2	2004	0.86	UG/L	
FD05170401	O	C15	6	1	1,3,5-TRINITROBENZENE	N	2	2004	0.81	UG/L	
OC153A04	O	C15	6	1	1,3,5-TRINITROBENZENE	N	3	2004	0.7	UG/L	
FD08170401	O	C15	6	1	1,3,5-TRINITROBENZENE	N	3	2004	0.72	UG/L	
OC154A04	O	C15	6	1	1,3,5-TRINITROBENZENE	N	4	2004	1.1	UG/L	
FD11160401	O	C15	6	1	1,3,5-TRINITROBENZENE	N	4	2004	1.1	UG/L	
OC161A04	O	C16	7	1	1,3,5-TRINITROBENZENE	N	1	2004	0.54	UG/L	U
FD02110401	O	C16	7	1	1,3,5-TRINITROBENZENE	N	1	2004	0.51	UG/L	U
OC162A04	O	C16	7	1	1,3,5-TRINITROBENZENE	N	2	2004	0.57	UG/L	U
FD05030401	O	C16	7	1	1,3,5-TRINITROBENZENE	N	2	2004	0.54	UG/L	U
OC163A04	O	C16	7	1	1,3,5-TRINITROBENZENE	N	3	2004	0.54	UG/L	U
OC164A04	O	C16	7	1	1,3,5-TRINITROBENZENE	N	4	2004	0.53	UG/L	U
FD11230402	O	C16	7	1	1,3,5-TRINITROBENZENE	N	4	2004	0.52	UG/L	U
OC181A04	O	C18	8	1	1,3,5-TRINITROBENZENE	N	1	2004	0.52	UG/L	U
OC182A04	O	C18	8	1	1,3,5-TRINITROBENZENE	N	2	2004	0.54	UG/L	U

Table 7.2. Raw Data for 1,3,5-Trinitrobenzene. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
OC183A04	O	C18	8	1	1,3,5-TRINITROBENZENE	N	3	2004	0.54	UG/L	U
OC184A04	O	C18	8	1	1,3,5-TRINITROBENZENE	N	4	2004	0.57	UG/L	U
OC191A04	O	C19	9	1	1,3,5-TRINITROBENZENE	N	1	2004	0.56	UG/L	U
OC192A04	O	C19	9	1	1,3,5-TRINITROBENZENE	N	2	2004	0.53	UG/L	U
OC193A04	O	C19	9	1	1,3,5-TRINITROBENZENE	N	3	2004	0.56	UG/L	U
FD09010401	O	C19	9	1	1,3,5-TRINITROBENZENE	N	3	2004	0.57	UG/L	U
OC194A04	O	C19	9	1	1,3,5-TRINITROBENZENE	N	4	2004	0.54	UG/L	U
OC11P21A04	O	C11P2	1	2	1,3,5-TRINITROBENZENE	N	1	2004	0.56	UG/L	U
OC11P22A04	O	C11P2	1	2	1,3,5-TRINITROBENZENE	N	2	2004	0.52	UG/L	U
OC11P23A04	O	C11P2	1	2	1,3,5-TRINITROBENZENE	N	3	2004	0.53	UG/L	U
OC11P24A04	O	C11P2	1	2	1,3,5-TRINITROBENZENE	N	4	2004	0.54	UG/L	U
OC13P21A04	O	C13P2	2	2	1,3,5-TRINITROBENZENE	N	1	2004	0.57	UG/L	U
OC13P22A04	O	C13P2	2	2	1,3,5-TRINITROBENZENE	N	2	2004	0.54	UG/L	U
OC13P23A04	O	C13P2	2	2	1,3,5-TRINITROBENZENE	N	3	2004	0.56	UG/L	U
OC13P24A04	O	C13P2	2	2	1,3,5-TRINITROBENZENE	N	4	2004	0.53	UG/L	U
OC14P21A04	O	C14P2	3	2	1,3,5-TRINITROBENZENE	N	1	2004	0.52	UG/L	U
OC14P22A04	O	C14P2	3	2	1,3,5-TRINITROBENZENE	N	2	2004	0.56	UG/L	U
OC14P23A04	O	C14P2	3	2	1,3,5-TRINITROBENZENE	N	3	2004	0.55	UG/L	U
OC14P24A04	O	C14P2	3	2	1,3,5-TRINITROBENZENE	N	4	2004	0.57	UG/L	U
OC18P21A04	O	C18P2	4	2	1,3,5-TRINITROBENZENE	N	1	2004	0.51	UG/L	U
OC18P22A04	O	C18P2	4	2	1,3,5-TRINITROBENZENE	N	2	2004	0.53	UG/L	U
OC18P23A04	O	C18P2	4	2	1,3,5-TRINITROBENZENE	N	3	2004	0.57	UG/L	U
OC18P24A04	O	C18P2	4	2	1,3,5-TRINITROBENZENE	N	4	2004	0.53	UG/L	U
OC19P21A04	O	C19P2	5	2	1,3,5-TRINITROBENZENE	N	1	2004	0.54	UG/L	U
OC19P22A04	O	C19P2	5	2	1,3,5-TRINITROBENZENE	N	2	2004	0.57	UG/L	U
OC19P23A04	O	C19P2	5	2	1,3,5-TRINITROBENZENE	N	3	2004	0.57	UG/L	U
OC19P24A04	O	C19P2	5	2	1,3,5-TRINITROBENZENE	N	4	2004	0.56	UG/L	U

Table 7.3. Raw Data for 2,4,6-Trinitrotoluene.

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC02P21A04	A	C02P2	1	1	2,4,6-TRINITROTOLUENE	N	1	2004	0.52	UG/L	U
AC02P22A04	A	C02P2	1	1	2,4,6-TRINITROTOLUENE	N	2	2004	0.55	UG/L	U
AC02P23A04	A	C02P2	1	1	2,4,6-TRINITROTOLUENE	N	3	2004	0.52	UG/L	U
AC02P24A04	A	C02P2	1	1	2,4,6-TRINITROTOLUENE	N	4	2004	0.54	UG/L	U
AC031A04	A	C03	2	1	2,4,6-TRINITROTOLUENE	N	1	2004	0.57	UG/L	U
AC032A04	A	C03	2	1	2,4,6-TRINITROTOLUENE	N	2	2004	0.49	UG/L	U
AC033A04	A	C03	2	1	2,4,6-TRINITROTOLUENE	N	3	2004	0.53	UG/L	U
AC034A04	A	C03	2	1	2,4,6-TRINITROTOLUENE	N	4	2004	0.54	UG/L	U
AC041A04	A	C04	3	1	2,4,6-TRINITROTOLUENE	N	1	2004	0.56	UG/L	U
AC042A04	A	C04	3	1	2,4,6-TRINITROTOLUENE	N	2	2004	0.56	UG/L	U
AC043A04	A	C04	3	1	2,4,6-TRINITROTOLUENE	N	3	2004	0.53	UG/L	U
AC044A04	A	C04	3	1	2,4,6-TRINITROTOLUENE	N	4	2004	0.59	UG/L	UJ
AC071A04	A	C07	4	1	2,4,6-TRINITROTOLUENE	N	1	2004	0.48	UG/L	U

Table 7.3. Raw Data for 2,4,6-Trinitrotoluene. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC072A04	A	C07	4	1	2,4,6-TRINITROTOLUENE	N	2	2004	0.55	UG/L	U
AC073A04	A	C07	4	1	2,4,6-TRINITROTOLUENE	N	3	2004	0.53	UG/L	U
AC074A04	A	C07	4	1	2,4,6-TRINITROTOLUENE	N	4	2004	0.53	UG/L	U
AC08P21A04	A	C08P2	5	1	2,4,6-TRINITROTOLUENE	N	1	2004	0.54	UG/L	U
AC08P22A04	A	C08P2	5	1	2,4,6-TRINITROTOLUENE	N	2	2004	0.54	UG/L	U
AC08P23A04	A	C08P2	5	1	2,4,6-TRINITROTOLUENE	N	3	2004	0.52	UG/L	U
AC08P24A04	A	C08P2	5	1	2,4,6-TRINITROTOLUENE	N	4	2004	0.54	UG/L	U
AC09P21A04	A	C09P2	6	1	2,4,6-TRINITROTOLUENE	N	1	2004	0.53	UG/L	U
FD03080401	A	C09P2	6	1	2,4,6-TRINITROTOLUENE	N	1	2004	0.54	UG/L	U
AC09P22A04	A	C09P2	6	1	2,4,6-TRINITROTOLUENE	N	2	2004	0.53	UG/L	U
AC09P23A04	A	C09P2	6	1	2,4,6-TRINITROTOLUENE	N	3	2004	0.54	UG/L	U
AC09P24A04	A	C09P2	6	1	2,4,6-TRINITROTOLUENE	N	4	2004	0.54	UG/L	U
FD12290402	A	C09P2	6	1	2,4,6-TRINITROTOLUENE	N	4	2004	0.57	UG/L	U
AC151A04	A	C15	7	1	2,4,6-TRINITROTOLUENE	N	1	2004	0.52	UG/L	U
AC152A04	A	C15	7	1	2,4,6-TRINITROTOLUENE	N	2	2004	0.54	UG/L	U
FD06210401	A	C15	7	1	2,4,6-TRINITROTOLUENE	N	2	2004	0.55	UG/L	U
AC153A04	A	C15	7	1	2,4,6-TRINITROTOLUENE	N	3	2004	0.55	UG/L	U
FD09200402	A	C15	7	1	2,4,6-TRINITROTOLUENE	N	3	2004	0.58	UG/L	U
AC154A04	A	C15	7	1	2,4,6-TRINITROTOLUENE	N	4	2004	0.52	UG/L	U
FD12160401	A	C15	7	1	2,4,6-TRINITROTOLUENE	N	4	2004	0.53	UG/L	U
AC171A04	A	C17	8	1	2,4,6-TRINITROTOLUENE	N	1	2004	0.53	UG/L	U
AC172A04	A	C17	8	1	2,4,6-TRINITROTOLUENE	N	2	2004	0.53	UG/L	U
AC173A04	A	C17	8	1	2,4,6-TRINITROTOLUENE	N	3	2004	0.53	UG/L	U
FD09200401	A	C17	8	1	2,4,6-TRINITROTOLUENE	N	3	2004	0.54	UG/L	U
AC201A04	A	C20	9	1	2,4,6-TRINITROTOLUENE	N	1	2004	0.93	UG/L	
AC202B04	A	C20	9	1	2,4,6-TRINITROTOLUENE	N	2	2004	0.77	UG/L	
AC203A04	A	C20	9	1	2,4,6-TRINITROTOLUENE	N	3	2004	0.78	UG/L	
AC204A04	A	C20	9	1	2,4,6-TRINITROTOLUENE	N	4	2004	0.97	UG/L	
AC251A04	A	C25	10	1	2,4,6-TRINITROTOLUENE	N	1	2004	0.49	UG/L	U
AC252A04	A	C25	10	1	2,4,6-TRINITROTOLUENE	N	2	2004	0.54	UG/L	U
AC253A04	A	C25	10	1	2,4,6-TRINITROTOLUENE	N	3	2004	0.56	UG/L	U
AC254A04	A	C25	10	1	2,4,6-TRINITROTOLUENE	N	4	2004	0.56	UG/L	U
AC261A04	A	C26	11	1	2,4,6-TRINITROTOLUENE	N	1	2004	0.53	UG/L	U
AC262A04	A	C26	11	1	2,4,6-TRINITROTOLUENE	N	2	2004	0.54	UG/L	U
AC263A04	A	C26	11	1	2,4,6-TRINITROTOLUENE	N	3	2004	0.57	UG/L	U
AC264A04	A	C26	11	1	2,4,6-TRINITROTOLUENE	N	4	2004	0.54	UG/L	U
AC271A04	A	C27	12	1	2,4,6-TRINITROTOLUENE	N	1	2004	0.51	UG/L	U
AC272A04	A	C27	12	1	2,4,6-TRINITROTOLUENE	N	2	2004	0.55	UG/L	U
AC273A04	A	C27	12	1	2,4,6-TRINITROTOLUENE	N	3	2004	0.53	UG/L	U
AC301A04	A	C30	13	1	2,4,6-TRINITROTOLUENE	N	1	2004	0.54	UG/L	U
AC302A04	A	C30	13	1	2,4,6-TRINITROTOLUENE	N	2	2004	0.54	UG/L	U
AC303A04	A	C30	13	1	2,4,6-TRINITROTOLUENE	N	3	2004	0.53	UG/L	U
AC304A04	A	C30	13	1	2,4,6-TRINITROTOLUENE	N	4	2004	0.54	UG/L	UJ
ACRB3A04	A	CRB	16	1	2,4,6-TRINITROTOLUENE	N	3	2004	0.52	UG/L	U

Table 7.3. Raw Data for 2,4,6-Trinitrotoluene. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
ASPA1A04	A	SPA	14	1	2,4,6-TRINITROTOLUENE	N	1	2004	1.4	UG/L	
ASPA2A04	A	SPA	14	1	2,4,6-TRINITROTOLUENE	N	2	2004	4.5	UG/L	
ASPA3A04DL	A	SPA	14	1	2,4,6-TRINITROTOLUENE	N	3	2004	6	UG/L	D
ASPA4A04	A	SPA	14	1	2,4,6-TRINITROTOLUENE	N	4	2004	1.4	UG/L	
ASPC1A04	A	SPC	15	1	2,4,6-TRINITROTOLUENE	N	1	2004	0.53	UG/L	U
FD03030401	A	SPC	15	1	2,4,6-TRINITROTOLUENE	N	1	2004	0.53	UG/L	U
ASPC2A04	A	SPC	15	1	2,4,6-TRINITROTOLUENE	N	2	2004	0.53	UG/L	U
FD06290401	A	SPC	15	1	2,4,6-TRINITROTOLUENE	N	2	2004	0.53	UG/L	U
ASPC3A04	A	SPC	15	1	2,4,6-TRINITROTOLUENE	N	3	2004	0.51	UG/L	U
ASPC4A04	A	SPC	15	1	2,4,6-TRINITROTOLUENE	N	4	2004	0.52	UG/L	U
DC021A04	D	C02	1	1	2,4,6-TRINITROTOLUENE	N	1	2004	0.54	UG/L	U
DC023A04	D	C02	1	1	2,4,6-TRINITROTOLUENE	N	3	2004	0.54	UG/L	U
DC031A04	D	C03	2	1	2,4,6-TRINITROTOLUENE	N	1	2004	0.52	UG/L	U
DC033A04	D	C03	2	1	2,4,6-TRINITROTOLUENE	N	3	2004	0.53	UG/L	U
FD07210401	D	C03	2	1	2,4,6-TRINITROTOLUENE	N	3	2004	0.53	UG/L	U
DC041A04	D	C04	3	1	2,4,6-TRINITROTOLUENE	N	1	2004	0.53	UG/L	U
FD01140401	D	C04	3	1	2,4,6-TRINITROTOLUENE	N	1	2004	0.51	UG/L	U
DC043A04	D	C04	3	1	2,4,6-TRINITROTOLUENE	N	3	2004	0.53	UG/L	U
FD07150401	D	C04	3	1	2,4,6-TRINITROTOLUENE	N	3	2004	0.54	UG/L	U
DC051A04	D	C05	4	1	2,4,6-TRINITROTOLUENE	N	1	2004	0.54	UG/L	U
DC053A04	D	C05	4	1	2,4,6-TRINITROTOLUENE	N	3	2004	0.53	UG/L	U
DC061A04	D	C06	5	1	2,4,6-TRINITROTOLUENE	N	1	2004	0.54	UG/L	U
FD01080401	D	C06	5	1	2,4,6-TRINITROTOLUENE	N	1	2004	0.54	UG/L	U
DC063A04	D	C06	5	1	2,4,6-TRINITROTOLUENE	N	3	2004	0.56	UG/L	U
DC071A04	D	C07	6	1	2,4,6-TRINITROTOLUENE	N	1	2004	0.54	UG/L	U
DC073A04	D	C07	6	1	2,4,6-TRINITROTOLUENE	N	3	2004	0.53	UG/L	U
DC081A04	D	C08	7	1	2,4,6-TRINITROTOLUENE	N	1	2004	0.57	UG/L	U
DC083A04	D	C08	7	1	2,4,6-TRINITROTOLUENE	N	3	2004	0.54	UG/L	U
DC03P21A04	D	C03P2	1	2	2,4,6-TRINITROTOLUENE	N	1	2004	0.54	UG/L	U
DC03P23A04	D	C03P2	1	2	2,4,6-TRINITROTOLUENE	N	3	2004	0.53	UG/L	U
DC04P21A04	D	C04P2	2	2	2,4,6-TRINITROTOLUENE	N	1	2004	0.56	UG/L	U
DC04P23A04	D	C04P2	2	2	2,4,6-TRINITROTOLUENE	N	3	2004	0.55	UG/L	U
DC06P21A04	D	C06P2	3	2	2,4,6-TRINITROTOLUENE	N	1	2004	0.52	UG/L	U
DC06P23A04	D	C06P2	3	2	2,4,6-TRINITROTOLUENE	N	3	2004	0.53	UG/L	U
DC08P21A04	D	C08P2	4	2	2,4,6-TRINITROTOLUENE	N	1	2004	0.51	UG/L	U
DC08P23A04	D	C08P2	4	2	2,4,6-TRINITROTOLUENE	N	3	2004	0.53	UG/L	U
OC081A04	O	C08	1	1	2,4,6-TRINITROTOLUENE	N	1	2004	0.56	UG/L	U
OC082A04	O	C08	1	1	2,4,6-TRINITROTOLUENE	N	2	2004	0.56	UG/L	U
OC083A04	O	C08	1	1	2,4,6-TRINITROTOLUENE	N	3	2004	0.59	UG/L	U
OC084A04	O	C08	1	1	2,4,6-TRINITROTOLUENE	N	4	2004	0.56	UG/L	U
OC111A04	O	C11	2	1	2,4,6-TRINITROTOLUENE	N	1	2004	0.53	UG/L	U
OC112A04	O	C11	2	1	2,4,6-TRINITROTOLUENE	N	2	2004	0.52	UG/L	U
OC113A04	O	C11	2	1	2,4,6-TRINITROTOLUENE	N	3	2004	0.56	UG/L	U
OC114A04	O	C11	2	1	2,4,6-TRINITROTOLUENE	N	4	2004	0.54	UG/L	U

Table 7.3. Raw Data for 2,4,6-Trinitrotoluene. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
OC121A04	O	C12	3	1	2,4,6-TRINITROTOLUENE	N	1	2004	0.54	UG/L	U
OC122A04	O	C12	3	1	2,4,6-TRINITROTOLUENE	N	2	2004	0.53	UG/L	U
OC123A04	O	C12	3	1	2,4,6-TRINITROTOLUENE	N	3	2004	0.57	UG/L	U
OC124A04	O	C12	3	1	2,4,6-TRINITROTOLUENE	N	4	2004	0.53	UG/L	U
OC131A04	O	C13	4	1	2,4,6-TRINITROTOLUENE	N	1	2004	0.57	UG/L	U
OC132A04	O	C13	4	1	2,4,6-TRINITROTOLUENE	N	2	2004	0.53	UG/L	U
OC133A04	O	C13	4	1	2,4,6-TRINITROTOLUENE	N	3	2004	0.57	UG/L	U
OC134A04	O	C13	4	1	2,4,6-TRINITROTOLUENE	N	4	2004	0.53	UG/L	U
OC141A04	O	C14	5	1	2,4,6-TRINITROTOLUENE	N	1	2004	0.56	UG/L	U
OC142A04	O	C14	5	1	2,4,6-TRINITROTOLUENE	N	2	2004	0.52	UG/L	U
OC143A04	O	C14	5	1	2,4,6-TRINITROTOLUENE	N	3	2004	0.57	UG/L	U
OC144A04	O	C14	5	1	2,4,6-TRINITROTOLUENE	N	4	2004	0.52	UG/L	U
OC151A04	O	C15	6	1	2,4,6-TRINITROTOLUENE	N	1	2004	5.4	UG/L	
FD02100401	O	C15	6	1	2,4,6-TRINITROTOLUENE	N	1	2004	4.8	UG/L	
OC152A04	O	C15	6	1	2,4,6-TRINITROTOLUENE	N	2	2004	5	UG/L	
FD05170401	O	C15	6	1	2,4,6-TRINITROTOLUENE	N	2	2004	4.9	UG/L	
OC153A04	O	C15	6	1	2,4,6-TRINITROTOLUENE	N	3	2004	3.9	UG/L	
FD08170401	O	C15	6	1	2,4,6-TRINITROTOLUENE	N	3	2004	4.1	UG/L	
OC154A04	O	C15	6	1	2,4,6-TRINITROTOLUENE	N	4	2004	6.2	UG/L	
FD11160401	O	C15	6	1	2,4,6-TRINITROTOLUENE	N	4	2004	6.2	UG/L	
OC161A04	O	C16	7	1	2,4,6-TRINITROTOLUENE	N	1	2004	0.54	UG/L	U
FD02110401	O	C16	7	1	2,4,6-TRINITROTOLUENE	N	1	2004	0.51	UG/L	U
OC162A04	O	C16	7	1	2,4,6-TRINITROTOLUENE	N	2	2004	0.57	UG/L	U
FD05030401	O	C16	7	1	2,4,6-TRINITROTOLUENE	N	2	2004	0.54	UG/L	U
OC163A04	O	C16	7	1	2,4,6-TRINITROTOLUENE	N	3	2004	0.54	UG/L	U
OC164A04	O	C16	7	1	2,4,6-TRINITROTOLUENE	N	4	2004	0.53	UG/L	U
FD11230402	O	C16	7	1	2,4,6-TRINITROTOLUENE	N	4	2004	0.52	UG/L	U
OC181A04	O	C18	8	1	2,4,6-TRINITROTOLUENE	N	1	2004	0.52	UG/L	U
OC182A04	O	C18	8	1	2,4,6-TRINITROTOLUENE	N	2	2004	0.54	UG/L	U
OC183A04	O	C18	8	1	2,4,6-TRINITROTOLUENE	N	3	2004	0.54	UG/L	U
OC184A04	O	C18	8	1	2,4,6-TRINITROTOLUENE	N	4	2004	0.57	UG/L	U
OC191A04	O	C19	9	1	2,4,6-TRINITROTOLUENE	N	1	2004	0.56	UG/L	U
OC192A04	O	C19	9	1	2,4,6-TRINITROTOLUENE	N	2	2004	0.53	UG/L	U
OC193A04	O	C19	9	1	2,4,6-TRINITROTOLUENE	N	3	2004	0.56	UG/L	U
FD09010401	O	C19	9	1	2,4,6-TRINITROTOLUENE	N	3	2004	0.57	UG/L	U
OC194A04	O	C19	9	1	2,4,6-TRINITROTOLUENE	N	4	2004	0.54	UG/L	U
OC11P21A04	O	C11P2	1	2	2,4,6-TRINITROTOLUENE	N	1	2004	0.56	UG/L	U
OC11P22A04	O	C11P2	1	2	2,4,6-TRINITROTOLUENE	N	2	2004	0.52	UG/L	U
OC11P23A04	O	C11P2	1	2	2,4,6-TRINITROTOLUENE	N	3	2004	0.53	UG/L	U
OC11P24A04	O	C11P2	1	2	2,4,6-TRINITROTOLUENE	N	4	2004	0.54	UG/L	U
OC13P21A04	O	C13P2	2	2	2,4,6-TRINITROTOLUENE	N	1	2004	0.57	UG/L	U
OC13P22A04	O	C13P2	2	2	2,4,6-TRINITROTOLUENE	N	2	2004	0.54	UG/L	U
OC13P23A04	O	C13P2	2	2	2,4,6-TRINITROTOLUENE	N	3	2004	0.56	UG/L	U
OC13P24A04	O	C13P2	2	2	2,4,6-TRINITROTOLUENE	N	4	2004	0.53	UG/L	U

Table 7.3. Raw Data for 2,4,6-Trinitrotoluene. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
OC14P21A04	O	C14P2	3	2	2,4,6-TRINITROTOLUENE	N	1	2004	0.52	UG/L	U
OC14P22A04	O	C14P2	3	2	2,4,6-TRINITROTOLUENE	N	2	2004	0.56	UG/L	U
OC14P23A04	O	C14P2	3	2	2,4,6-TRINITROTOLUENE	N	3	2004	0.55	UG/L	U
OC14P24A04	O	C14P2	3	2	2,4,6-TRINITROTOLUENE	N	4	2004	0.57	UG/L	U
OC18P21A04	O	C18P2	4	2	2,4,6-TRINITROTOLUENE	N	1	2004	0.51	UG/L	U
OC18P22A04	O	C18P2	4	2	2,4,6-TRINITROTOLUENE	N	2	2004	0.53	UG/L	U
OC18P23A04	O	C18P2	4	2	2,4,6-TRINITROTOLUENE	N	3	2004	0.57	UG/L	U
OC18P24A04	O	C18P2	4	2	2,4,6-TRINITROTOLUENE	N	4	2004	0.53	UG/L	U
OC19P21A04	O	C19P2	5	2	2,4,6-TRINITROTOLUENE	N	1	2004	0.54	UG/L	U
OC19P22A04	O	C19P2	5	2	2,4,6-TRINITROTOLUENE	N	2	2004	0.57	UG/L	U
OC19P23A04	O	C19P2	5	2	2,4,6-TRINITROTOLUENE	N	3	2004	0.57	UG/L	U
OC19P24A04	O	C19P2	5	2	2,4,6-TRINITROTOLUENE	N	4	2004	0.56	UG/L	U

Table 7.4. Raw Data for 2-Amino-4,6-dinitrotoluene.

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC02P21A04	A	C02P2	1	1	2-AMINO-4,6-DINITROTOLUENE	N	1	2004	0.52	UG/L	U
AC02P22A04	A	C02P2	1	1	2-AMINO-4,6-DINITROTOLUENE	N	2	2004	0.55	UG/L	U
AC02P23A04	A	C02P2	1	1	2-AMINO-4,6-DINITROTOLUENE	N	3	2004	0.52	UG/L	U
AC02P24A04	A	C02P2	1	1	2-AMINO-4,6-DINITROTOLUENE	N	4	2004	0.54	UG/L	U
AC031A04	A	C03	2	1	2-AMINO-4,6-DINITROTOLUENE	N	1	2004	0.57	UG/L	U
AC032A04	A	C03	2	1	2-AMINO-4,6-DINITROTOLUENE	N	2	2004	0.49	UG/L	U
AC033A04	A	C03	2	1	2-AMINO-4,6-DINITROTOLUENE	N	3	2004	0.53	UG/L	U
AC034A04	A	C03	2	1	2-AMINO-4,6-DINITROTOLUENE	N	4	2004	0.54	UG/L	U
AC041A04	A	C04	3	1	2-AMINO-4,6-DINITROTOLUENE	N	1	2004	0.56	UG/L	U
AC042A04	A	C04	3	1	2-AMINO-4,6-DINITROTOLUENE	N	2	2004	0.56	UG/L	U
AC043A04	A	C04	3	1	2-AMINO-4,6-DINITROTOLUENE	N	3	2004	0.53	UG/L	U
AC044A04	A	C04	3	1	2-AMINO-4,6-DINITROTOLUENE	N	4	2004	0.59	UG/L	UJ
AC071A04	A	C07	4	1	2-AMINO-4,6-DINITROTOLUENE	N	1	2004	0.48	UG/L	U
AC072A04	A	C07	4	1	2-AMINO-4,6-DINITROTOLUENE	N	2	2004	0.55	UG/L	U
AC073A04	A	C07	4	1	2-AMINO-4,6-DINITROTOLUENE	N	3	2004	0.53	UG/L	U
AC074A04	A	C07	4	1	2-AMINO-4,6-DINITROTOLUENE	N	4	2004	0.53	UG/L	U
AC08P21A04	A	C08P2	5	1	2-AMINO-4,6-DINITROTOLUENE	N	1	2004	2.4	UG/L	
AC08P22A04	A	C08P2	5	1	2-AMINO-4,6-DINITROTOLUENE	N	2	2004	1.8	UG/L	P
AC08P23A04	A	C08P2	5	1	2-AMINO-4,6-DINITROTOLUENE	N	3	2004	2.2	UG/L	
AC08P24A04	A	C08P2	5	1	2-AMINO-4,6-DINITROTOLUENE	N	4	2004	2.2	UG/L	
AC09P21A04	A	C09P2	6	1	2-AMINO-4,6-DINITROTOLUENE	N	1	2004	0.53	UG/L	U
FD03080401	A	C09P2	6	1	2-AMINO-4,6-DINITROTOLUENE	N	1	2004	0.54	UG/L	U
AC09P22A04	A	C09P2	6	1	2-AMINO-4,6-DINITROTOLUENE	N	2	2004	0.53	UG/L	U
AC09P23A04	A	C09P2	6	1	2-AMINO-4,6-DINITROTOLUENE	N	3	2004	0.54	UG/L	U
AC09P24A04	A	C09P2	6	1	2-AMINO-4,6-DINITROTOLUENE	N	4	2004	0.54	UG/L	U
FD12290402	A	C09P2	6	1	2-AMINO-4,6-DINITROTOLUENE	N	4	2004	0.57	UG/L	U
AC151A04	A	C15	7	1	2-AMINO-4,6-DINITROTOLUENE	N	1	2004	0.52	UG/L	U
AC152A04	A	C15	7	1	2-AMINO-4,6-DINITROTOLUENE	N	2	2004	0.54	UG/L	U

Table 7.4. Raw Data for 2-Amino-4,6-dinitrotoluene. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
FD06210401	A	C15	7	1	2-AMINO-4,6-DINITROTOLUENE	N	2	2004	0.55	UG/L	U
AC153A04	A	C15	7	1	2-AMINO-4,6-DINITROTOLUENE	N	3	2004	0.55	UG/L	U
FD09200402	A	C15	7	1	2-AMINO-4,6-DINITROTOLUENE	N	3	2004	0.58	UG/L	U
AC154A04	A	C15	7	1	2-AMINO-4,6-DINITROTOLUENE	N	4	2004	0.52	UG/L	U
FD12160401	A	C15	7	1	2-AMINO-4,6-DINITROTOLUENE	N	4	2004	0.53	UG/L	U
AC171A04	A	C17	8	1	2-AMINO-4,6-DINITROTOLUENE	N	1	2004	0.53	UG/L	U
AC172A04	A	C17	8	1	2-AMINO-4,6-DINITROTOLUENE	N	2	2004	0.53	UG/L	U
AC173A04	A	C17	8	1	2-AMINO-4,6-DINITROTOLUENE	N	3	2004	0.53	UG/L	U
FD09200401	A	C17	8	1	2-AMINO-4,6-DINITROTOLUENE	N	3	2004	0.54	UG/L	U
AC201A04	A	C20	9	1	2-AMINO-4,6-DINITROTOLUENE	N	1	2004	13	UG/L	P
AC202B04	A	C20	9	1	2-AMINO-4,6-DINITROTOLUENE	N	2	2004	11	UG/L	P
AC203A04DL	A	C20	9	1	2-AMINO-4,6-DINITROTOLUENE	N	3	2004	9.3	UG/L	DP
AC204A04	A	C20	9	1	2-AMINO-4,6-DINITROTOLUENE	N	4	2004	11	UG/L	
AC251A04	A	C25	10	1	2-AMINO-4,6-DINITROTOLUENE	N	1	2004	0.49	UG/L	U
AC252A04	A	C25	10	1	2-AMINO-4,6-DINITROTOLUENE	N	2	2004	0.54	UG/L	U
AC253A04	A	C25	10	1	2-AMINO-4,6-DINITROTOLUENE	N	3	2004	0.56	UG/L	U
AC254A04	A	C25	10	1	2-AMINO-4,6-DINITROTOLUENE	N	4	2004	0.56	UG/L	U
AC261A04	A	C26	11	1	2-AMINO-4,6-DINITROTOLUENE	N	1	2004	0.53	UG/L	U
AC262A04	A	C26	11	1	2-AMINO-4,6-DINITROTOLUENE	N	2	2004	0.54	UG/L	U
AC263A04	A	C26	11	1	2-AMINO-4,6-DINITROTOLUENE	N	3	2004	0.57	UG/L	U
AC264A04	A	C26	11	1	2-AMINO-4,6-DINITROTOLUENE	N	4	2004	0.54	UG/L	U
AC271A04	A	C27	12	1	2-AMINO-4,6-DINITROTOLUENE	N	1	2004	0.51	UG/L	U
AC272A04	A	C27	12	1	2-AMINO-4,6-DINITROTOLUENE	N	2	2004	0.55	UG/L	U
AC273A04	A	C27	12	1	2-AMINO-4,6-DINITROTOLUENE	N	3	2004	0.53	UG/L	U
AC301A04	A	C30	13	1	2-AMINO-4,6-DINITROTOLUENE	N	1	2004	0.54	UG/L	U
AC302A04	A	C30	13	1	2-AMINO-4,6-DINITROTOLUENE	N	2	2004	0.54	UG/L	U
AC303A04	A	C30	13	1	2-AMINO-4,6-DINITROTOLUENE	N	3	2004	0.53	UG/L	U
AC304A04	A	C30	13	1	2-AMINO-4,6-DINITROTOLUENE	N	4	2004	0.54	UG/L	UJ
ACRB3A04	A	CRB	16	1	2-AMINO-4,6-DINITROTOLUENE	N	3	2004	0.52	UG/L	U
ASPA1A04	A	SPA	14	1	2-AMINO-4,6-DINITROTOLUENE	N	1	2004	0.54	UG/L	U
ASPA2A04	A	SPA	14	1	2-AMINO-4,6-DINITROTOLUENE	N	2	2004	1.2	UG/L	P
ASPA3A04	A	SPA	14	1	2-AMINO-4,6-DINITROTOLUENE	N	3	2004	2.4	UG/L	P
ASPA4A04	A	SPA	14	1	2-AMINO-4,6-DINITROTOLUENE	N	4	2004	0.51	UG/L	U
ASPC1A04	A	SPC	15	1	2-AMINO-4,6-DINITROTOLUENE	N	1	2004	0.53	UG/L	U
FD03030401	A	SPC	15	1	2-AMINO-4,6-DINITROTOLUENE	N	1	2004	0.53	UG/L	U
ASPC2A04	A	SPC	15	1	2-AMINO-4,6-DINITROTOLUENE	N	2	2004	0.53	UG/L	U
FD06290401	A	SPC	15	1	2-AMINO-4,6-DINITROTOLUENE	N	2	2004	0.53	UG/L	U
ASPC3A04	A	SPC	15	1	2-AMINO-4,6-DINITROTOLUENE	N	3	2004	0.51	UG/L	U
ASPC4A04	A	SPC	15	1	2-AMINO-4,6-DINITROTOLUENE	N	4	2004	0.52	UG/L	U
DC021A04	D	C02	1	1	2-AMINO-4,6-DINITROTOLUENE	N	1	2004	0.54	UG/L	U
DC023A04	D	C02	1	1	2-AMINO-4,6-DINITROTOLUENE	N	3	2004	0.54	UG/L	U
DC031A04	D	C03	2	1	2-AMINO-4,6-DINITROTOLUENE	N	1	2004	0.52	UG/L	U
DC033A04	D	C03	2	1	2-AMINO-4,6-DINITROTOLUENE	N	3	2004	0.53	UG/L	U
FD07210401	D	C03	2	1	2-AMINO-4,6-DINITROTOLUENE	N	3	2004	0.53	UG/L	U

Table 7.4. Raw Data for 2-Amino-4,6-dinitrotoluene. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
DC041A04	D	C04	3	1	2-AMINO-4,6-DINITROTOLUENE	N	1	2004	0.53	UG/L	U
FD01140401	D	C04	3	1	2-AMINO-4,6-DINITROTOLUENE	N	1	2004	0.51	UG/L	U
DC043A04	D	C04	3	1	2-AMINO-4,6-DINITROTOLUENE	N	3	2004	0.53	UG/L	U
FD07150401	D	C04	3	1	2-AMINO-4,6-DINITROTOLUENE	N	3	2004	0.54	UG/L	U
DC051A04	D	C05	4	1	2-AMINO-4,6-DINITROTOLUENE	N	1	2004	0.54	UG/L	U
DC053A04	D	C05	4	1	2-AMINO-4,6-DINITROTOLUENE	N	3	2004	0.53	UG/L	U
DC061A04	D	C06	5	1	2-AMINO-4,6-DINITROTOLUENE	N	1	2004	0.54	UG/L	U
FD01080401	D	C06	5	1	2-AMINO-4,6-DINITROTOLUENE	N	1	2004	0.54	UG/L	U
DC063A04	D	C06	5	1	2-AMINO-4,6-DINITROTOLUENE	N	3	2004	0.56	UG/L	U
DC071A04	D	C07	6	1	2-AMINO-4,6-DINITROTOLUENE	N	1	2004	0.54	UG/L	U
DC073A04	D	C07	6	1	2-AMINO-4,6-DINITROTOLUENE	N	3	2004	0.53	UG/L	U
DC081A04	D	C08	7	1	2-AMINO-4,6-DINITROTOLUENE	N	1	2004	0.57	UG/L	U
DC083A04	D	C08	7	1	2-AMINO-4,6-DINITROTOLUENE	N	3	2004	0.54	UG/L	U
DC03P21A04	D	C03P2	1	2	2-AMINO-4,6-DINITROTOLUENE	N	1	2004	0.54	UG/L	U
DC03P23A04	D	C03P2	1	2	2-AMINO-4,6-DINITROTOLUENE	N	3	2004	0.53	UG/L	U
DC04P21A04	D	C04P2	2	2	2-AMINO-4,6-DINITROTOLUENE	N	1	2004	0.56	UG/L	U
DC04P23A04	D	C04P2	2	2	2-AMINO-4,6-DINITROTOLUENE	N	3	2004	0.55	UG/L	U
DC06P21A04	D	C06P2	3	2	2-AMINO-4,6-DINITROTOLUENE	N	1	2004	0.52	UG/L	U
DC06P23A04	D	C06P2	3	2	2-AMINO-4,6-DINITROTOLUENE	N	3	2004	0.53	UG/L	U
DC08P21A04	D	C08P2	4	2	2-AMINO-4,6-DINITROTOLUENE	N	1	2004	0.51	UG/L	U
DC08P23A04	D	C08P2	4	2	2-AMINO-4,6-DINITROTOLUENE	N	3	2004	0.53	UG/L	U
OC081A04	O	C08	1	1	2-AMINO-4,6-DINITROTOLUENE	N	1	2004	0.56	UG/L	U
OC082A04	O	C08	1	1	2-AMINO-4,6-DINITROTOLUENE	N	2	2004	0.56	UG/L	U
OC083A04	O	C08	1	1	2-AMINO-4,6-DINITROTOLUENE	N	3	2004	0.59	UG/L	U
OC084A04	O	C08	1	1	2-AMINO-4,6-DINITROTOLUENE	N	4	2004	0.56	UG/L	U
OC111A04	O	C11	2	1	2-AMINO-4,6-DINITROTOLUENE	N	1	2004	0.53	UG/L	U
OC112A04	O	C11	2	1	2-AMINO-4,6-DINITROTOLUENE	N	2	2004	0.52	UG/L	U
OC113A04	O	C11	2	1	2-AMINO-4,6-DINITROTOLUENE	N	3	2004	0.56	UG/L	U
OC114A04	O	C11	2	1	2-AMINO-4,6-DINITROTOLUENE	N	4	2004	0.54	UG/L	U
OC121A04	O	C12	3	1	2-AMINO-4,6-DINITROTOLUENE	N	1	2004	0.54	UG/L	U
OC122A04	O	C12	3	1	2-AMINO-4,6-DINITROTOLUENE	N	2	2004	0.53	UG/L	U
OC123A04	O	C12	3	1	2-AMINO-4,6-DINITROTOLUENE	N	3	2004	0.57	UG/L	U
OC124A04	O	C12	3	1	2-AMINO-4,6-DINITROTOLUENE	N	4	2004	0.53	UG/L	U
OC131A04	O	C13	4	1	2-AMINO-4,6-DINITROTOLUENE	N	1	2004	0.57	UG/L	U
OC132A04	O	C13	4	1	2-AMINO-4,6-DINITROTOLUENE	N	2	2004	0.53	UG/L	U
OC133A04	O	C13	4	1	2-AMINO-4,6-DINITROTOLUENE	N	3	2004	0.57	UG/L	U
OC134A04	O	C13	4	1	2-AMINO-4,6-DINITROTOLUENE	N	4	2004	0.53	UG/L	U
OC141A04	O	C14	5	1	2-AMINO-4,6-DINITROTOLUENE	N	1	2004	0.56	UG/L	U
OC142A04	O	C14	5	1	2-AMINO-4,6-DINITROTOLUENE	N	2	2004	0.52	UG/L	U
OC143A04	O	C14	5	1	2-AMINO-4,6-DINITROTOLUENE	N	3	2004	0.57	UG/L	U
OC144A04	O	C14	5	1	2-AMINO-4,6-DINITROTOLUENE	N	4	2004	0.52	UG/L	U
OC151A04	O	C15	6	1	2-AMINO-4,6-DINITROTOLUENE	N	1	2004	2.5	UG/L	
FD02100401	O	C15	6	1	2-AMINO-4,6-DINITROTOLUENE	N	1	2004	2.3	UG/L	P
OC152A04	O	C15	6	1	2-AMINO-4,6-DINITROTOLUENE	N	2	2004	2.3	UG/L	

Table 7.4. Raw Data for 2-Amino-4,6-dinitrotoluene. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
FD05170401	O	C15	6	1	2-AMINO-4,6-DINITROTOLUENE	N	2	2004	2.3	UG/L	
OC153A04	O	C15	6	1	2-AMINO-4,6-DINITROTOLUENE	N	3	2004	1.9	UG/L	P
FD08170401	O	C15	6	1	2-AMINO-4,6-DINITROTOLUENE	N	3	2004	2	UG/L	P
OC154A04	O	C15	6	1	2-AMINO-4,6-DINITROTOLUENE	N	4	2004	2.9	UG/L	
FD11160401	O	C15	6	1	2-AMINO-4,6-DINITROTOLUENE	N	4	2004	2.9	UG/L	
OC161A04	O	C16	7	1	2-AMINO-4,6-DINITROTOLUENE	N	1	2004	0.54	UG/L	U
FD02110401	O	C16	7	1	2-AMINO-4,6-DINITROTOLUENE	N	1	2004	0.51	UG/L	U
OC162A04	O	C16	7	1	2-AMINO-4,6-DINITROTOLUENE	N	2	2004	0.57	UG/L	U
FD05030401	O	C16	7	1	2-AMINO-4,6-DINITROTOLUENE	N	2	2004	0.54	UG/L	U
OC163A04	O	C16	7	1	2-AMINO-4,6-DINITROTOLUENE	N	3	2004	0.54	UG/L	U
OC164A04	O	C16	7	1	2-AMINO-4,6-DINITROTOLUENE	N	4	2004	0.53	UG/L	U
FD11230402	O	C16	7	1	2-AMINO-4,6-DINITROTOLUENE	N	4	2004	0.52	UG/L	U
OC181A04	O	C18	8	1	2-AMINO-4,6-DINITROTOLUENE	N	1	2004	0.52	UG/L	U
OC182A04	O	C18	8	1	2-AMINO-4,6-DINITROTOLUENE	N	2	2004	0.54	UG/L	U
OC183A04	O	C18	8	1	2-AMINO-4,6-DINITROTOLUENE	N	3	2004	0.54	UG/L	U
OC184A04	O	C18	8	1	2-AMINO-4,6-DINITROTOLUENE	N	4	2004	0.57	UG/L	U
OC191A04	O	C19	9	1	2-AMINO-4,6-DINITROTOLUENE	N	1	2004	0.56	UG/L	U
OC192A04	O	C19	9	1	2-AMINO-4,6-DINITROTOLUENE	N	2	2004	0.53	UG/L	U
OC193A04	O	C19	9	1	2-AMINO-4,6-DINITROTOLUENE	N	3	2004	0.56	UG/L	U
FD09010401	O	C19	9	1	2-AMINO-4,6-DINITROTOLUENE	N	3	2004	0.57	UG/L	U
OC194A04	O	C19	9	1	2-AMINO-4,6-DINITROTOLUENE	N	4	2004	0.54	UG/L	U
OC11P21A04	O	C11P2	1	2	2-AMINO-4,6-DINITROTOLUENE	N	1	2004	0.56	UG/L	U
OC11P22A04	O	C11P2	1	2	2-AMINO-4,6-DINITROTOLUENE	N	2	2004	0.52	UG/L	U
OC11P23A04	O	C11P2	1	2	2-AMINO-4,6-DINITROTOLUENE	N	3	2004	0.53	UG/L	U
OC11P24A04	O	C11P2	1	2	2-AMINO-4,6-DINITROTOLUENE	N	4	2004	0.54	UG/L	U
OC13P21A04	O	C13P2	2	2	2-AMINO-4,6-DINITROTOLUENE	N	1	2004	0.57	UG/L	U
OC13P22A04	O	C13P2	2	2	2-AMINO-4,6-DINITROTOLUENE	N	2	2004	0.54	UG/L	U
OC13P23A04	O	C13P2	2	2	2-AMINO-4,6-DINITROTOLUENE	N	3	2004	0.56	UG/L	U
OC13P24A04	O	C13P2	2	2	2-AMINO-4,6-DINITROTOLUENE	N	4	2004	0.53	UG/L	U
OC14P21A04	O	C14P2	3	2	2-AMINO-4,6-DINITROTOLUENE	N	1	2004	0.52	UG/L	U
OC14P22A04	O	C14P2	3	2	2-AMINO-4,6-DINITROTOLUENE	N	2	2004	0.56	UG/L	U
OC14P23A04	O	C14P2	3	2	2-AMINO-4,6-DINITROTOLUENE	N	3	2004	0.55	UG/L	U
OC14P24A04	O	C14P2	3	2	2-AMINO-4,6-DINITROTOLUENE	N	4	2004	0.57	UG/L	U
OC18P21A04	O	C18P2	4	2	2-AMINO-4,6-DINITROTOLUENE	N	1	2004	0.51	UG/L	U
OC18P22A04	O	C18P2	4	2	2-AMINO-4,6-DINITROTOLUENE	N	2	2004	0.53	UG/L	U
OC18P23A04	O	C18P2	4	2	2-AMINO-4,6-DINITROTOLUENE	N	3	2004	0.57	UG/L	U
OC18P24A04	O	C18P2	4	2	2-AMINO-4,6-DINITROTOLUENE	N	4	2004	0.53	UG/L	U
OC19P21A04	O	C19P2	5	2	2-AMINO-4,6-DINITROTOLUENE	N	1	2004	0.54	UG/L	U
OC19P22A04	O	C19P2	5	2	2-AMINO-4,6-DINITROTOLUENE	N	2	2004	0.57	UG/L	U
OC19P23A04	O	C19P2	5	2	2-AMINO-4,6-DINITROTOLUENE	N	3	2004	0.57	UG/L	U
OC19P24A04	O	C19P2	5	2	2-AMINO-4,6-DINITROTOLUENE	N	4	2004	0.56	UG/L	U

Table 7.5. Raw Data for 4-Amino-2,6-dinitrotoluene.

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC02P21A04	A	C02P2	1	1	4-AMINO-2,6-DINITROTOLUENE	N	1	2004	0.52	UG/L	U
AC02P22A04	A	C02P2	1	1	4-AMINO-2,6-DINITROTOLUENE	N	2	2004	0.55	UG/L	U
AC02P23A04	A	C02P2	1	1	4-AMINO-2,6-DINITROTOLUENE	N	3	2004	0.52	UG/L	U
AC02P24A04	A	C02P2	1	1	4-AMINO-2,6-DINITROTOLUENE	N	4	2004	0.54	UG/L	U
AC031A04	A	C03	2	1	4-AMINO-2,6-DINITROTOLUENE	N	1	2004	0.57	UG/L	U
AC032A04	A	C03	2	1	4-AMINO-2,6-DINITROTOLUENE	N	2	2004	0.49	UG/L	U
AC033A04	A	C03	2	1	4-AMINO-2,6-DINITROTOLUENE	N	3	2004	0.53	UG/L	U
AC034A04	A	C03	2	1	4-AMINO-2,6-DINITROTOLUENE	N	4	2004	0.54	UG/L	U
AC041A04	A	C04	3	1	4-AMINO-2,6-DINITROTOLUENE	N	1	2004	0.56	UG/L	U
AC042A04	A	C04	3	1	4-AMINO-2,6-DINITROTOLUENE	N	2	2004	0.56	UG/L	U
AC043A04	A	C04	3	1	4-AMINO-2,6-DINITROTOLUENE	N	3	2004	0.53	UG/L	U
AC044A04	A	C04	3	1	4-AMINO-2,6-DINITROTOLUENE	N	4	2004	0.59	UG/L	UJ
AC071A04	A	C07	4	1	4-AMINO-2,6-DINITROTOLUENE	N	1	2004	0.54	UG/L	
AC072A04	A	C07	4	1	4-AMINO-2,6-DINITROTOLUENE	N	2	2004	0.55	UG/L	U
AC073A04	A	C07	4	1	4-AMINO-2,6-DINITROTOLUENE	N	3	2004	0.53	UG/L	U
AC074A04	A	C07	4	1	4-AMINO-2,6-DINITROTOLUENE	N	4	2004	0.58	UG/L	
AC08P21A04	A	C08P2	5	1	4-AMINO-2,6-DINITROTOLUENE	N	1	2004	3.3	UG/L	
AC08P22A04	A	C08P2	5	1	4-AMINO-2,6-DINITROTOLUENE	N	2	2004	2.5	UG/L	
AC08P23A04DL	A	C08P2	5	1	4-AMINO-2,6-DINITROTOLUENE	N	3	2004	3.1	UG/L	D
AC08P24A04DL	A	C08P2	5	1	4-AMINO-2,6-DINITROTOLUENE	N	4	2004	3.2	UG/L	D
AC09P21A04	A	C09P2	6	1	4-AMINO-2,6-DINITROTOLUENE	N	1	2004	0.53	UG/L	U
FD03080401	A	C09P2	6	1	4-AMINO-2,6-DINITROTOLUENE	N	1	2004	0.54	UG/L	U
AC09P22A04	A	C09P2	6	1	4-AMINO-2,6-DINITROTOLUENE	N	2	2004	0.59	UG/L	
AC09P23A04	A	C09P2	6	1	4-AMINO-2,6-DINITROTOLUENE	N	3	2004	0.54	UG/L	U
AC09P24A04	A	C09P2	6	1	4-AMINO-2,6-DINITROTOLUENE	N	4	2004	0.54	UG/L	U
FD12290402	A	C09P2	6	1	4-AMINO-2,6-DINITROTOLUENE	N	4	2004	0.57	UG/L	U
AC151A04	A	C15	7	1	4-AMINO-2,6-DINITROTOLUENE	N	1	2004	0.52	UG/L	U
AC152A04	A	C15	7	1	4-AMINO-2,6-DINITROTOLUENE	N	2	2004	0.54	UG/L	U
FD06210401	A	C15	7	1	4-AMINO-2,6-DINITROTOLUENE	N	2	2004	0.55	UG/L	U
AC153A04	A	C15	7	1	4-AMINO-2,6-DINITROTOLUENE	N	3	2004	0.55	UG/L	U
FD09200402	A	C15	7	1	4-AMINO-2,6-DINITROTOLUENE	N	3	2004	0.58	UG/L	U
AC154A04	A	C15	7	1	4-AMINO-2,6-DINITROTOLUENE	N	4	2004	0.52	UG/L	U
FD12160401	A	C15	7	1	4-AMINO-2,6-DINITROTOLUENE	N	4	2004	0.53	UG/L	U
AC171A04	A	C17	8	1	4-AMINO-2,6-DINITROTOLUENE	N	1	2004	0.53	UG/L	U
AC172A04	A	C17	8	1	4-AMINO-2,6-DINITROTOLUENE	N	2	2004	0.53	UG/L	U
AC173A04	A	C17	8	1	4-AMINO-2,6-DINITROTOLUENE	N	3	2004	0.53	UG/L	U
FD09200401	A	C17	8	1	4-AMINO-2,6-DINITROTOLUENE	N	3	2004	0.54	UG/L	U
AC201A04	A	C20	9	1	4-AMINO-2,6-DINITROTOLUENE	N	1	2004	16	UG/L	
AC202B04	A	C20	9	1	4-AMINO-2,6-DINITROTOLUENE	N	2	2004	13	UG/L	
AC203A04DL	A	C20	9	1	4-AMINO-2,6-DINITROTOLUENE	N	3	2004	11	UG/L	D
AC204A04DL	A	C20	9	1	4-AMINO-2,6-DINITROTOLUENE	N	4	2004	14	UG/L	D
AC251A04	A	C25	10	1	4-AMINO-2,6-DINITROTOLUENE	N	1	2004	0.49	UG/L	U
AC252A04	A	C25	10	1	4-AMINO-2,6-DINITROTOLUENE	N	2	2004	0.54	UG/L	U
AC253A04	A	C25	10	1	4-AMINO-2,6-DINITROTOLUENE	N	3	2004	0.56	UG/L	U

Table 7.5. Raw Data for 4-Amino-2,6-dinitrotoluene. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC254A04	A	C25	10	1	4-AMINO-2,6-DINITROTOLUENE	N	4	2004	0.56	UG/L	U
AC261A04	A	C26	11	1	4-AMINO-2,6-DINITROTOLUENE	N	1	2004	0.53	UG/L	U
AC262A04	A	C26	11	1	4-AMINO-2,6-DINITROTOLUENE	N	2	2004	0.54	UG/L	U
AC263A04	A	C26	11	1	4-AMINO-2,6-DINITROTOLUENE	N	3	2004	0.57	UG/L	U
AC264A04	A	C26	11	1	4-AMINO-2,6-DINITROTOLUENE	N	4	2004	0.54	UG/L	U
AC271A04	A	C27	12	1	4-AMINO-2,6-DINITROTOLUENE	N	1	2004	0.51	UG/L	U
AC272A04	A	C27	12	1	4-AMINO-2,6-DINITROTOLUENE	N	2	2004	0.55	UG/L	U
AC273A04	A	C27	12	1	4-AMINO-2,6-DINITROTOLUENE	N	3	2004	0.53	UG/L	U
AC301A04	A	C30	13	1	4-AMINO-2,6-DINITROTOLUENE	N	1	2004	0.54	UG/L	U
AC302A04	A	C30	13	1	4-AMINO-2,6-DINITROTOLUENE	N	2	2004	0.54	UG/L	U
AC303A04	A	C30	13	1	4-AMINO-2,6-DINITROTOLUENE	N	3	2004	0.53	UG/L	U
AC304A04	A	C30	13	1	4-AMINO-2,6-DINITROTOLUENE	N	4	2004	0.54	UG/L	UJ
ACRB3A04	A	CRB	16	1	4-AMINO-2,6-DINITROTOLUENE	N	3	2004	0.52	UG/L	U
ASPA1A04	A	SPA	14	1	4-AMINO-2,6-DINITROTOLUENE	N	1	2004	0.54	UG/L	U
ASPA2A04	A	SPA	14	1	4-AMINO-2,6-DINITROTOLUENE	N	2	2004	3	UG/L	
ASPA3A04DL	A	SPA	14	1	4-AMINO-2,6-DINITROTOLUENE	N	3	2004	6.6	UG/L	D
ASPA4A04	A	SPA	14	1	4-AMINO-2,6-DINITROTOLUENE	N	4	2004	0.79	UG/L	
ASPC1A04	A	SPC	15	1	4-AMINO-2,6-DINITROTOLUENE	N	1	2004	0.53	UG/L	U
FD03030401	A	SPC	15	1	4-AMINO-2,6-DINITROTOLUENE	N	1	2004	0.53	UG/L	U
ASPC2A04	A	SPC	15	1	4-AMINO-2,6-DINITROTOLUENE	N	2	2004	0.53	UG/L	U
FD06290401	A	SPC	15	1	4-AMINO-2,6-DINITROTOLUENE	N	2	2004	0.53	UG/L	U
ASPC3A04	A	SPC	15	1	4-AMINO-2,6-DINITROTOLUENE	N	3	2004	0.51	UG/L	U
ASPC4A04	A	SPC	15	1	4-AMINO-2,6-DINITROTOLUENE	N	4	2004	0.52	UG/L	U
DC021A04	D	C02	1	1	4-AMINO-2,6-DINITROTOLUENE	N	1	2004	0.54	UG/L	U
DC023A04	D	C02	1	1	4-AMINO-2,6-DINITROTOLUENE	N	3	2004	0.54	UG/L	U
DC031A04	D	C03	2	1	4-AMINO-2,6-DINITROTOLUENE	N	1	2004	0.52	UG/L	U
DC033A04	D	C03	2	1	4-AMINO-2,6-DINITROTOLUENE	N	3	2004	0.53	UG/L	U
FD07210401	D	C03	2	1	4-AMINO-2,6-DINITROTOLUENE	N	3	2004	0.53	UG/L	U
DC041A04	D	C04	3	1	4-AMINO-2,6-DINITROTOLUENE	N	1	2004	0.53	UG/L	U
FD01140401	D	C04	3	1	4-AMINO-2,6-DINITROTOLUENE	N	1	2004	0.51	UG/L	U
DC043A04	D	C04	3	1	4-AMINO-2,6-DINITROTOLUENE	N	3	2004	0.53	UG/L	U
FD07150401	D	C04	3	1	4-AMINO-2,6-DINITROTOLUENE	N	3	2004	0.54	UG/L	U
DC051A04	D	C05	4	1	4-AMINO-2,6-DINITROTOLUENE	N	1	2004	0.54	UG/L	U
DC053A04	D	C05	4	1	4-AMINO-2,6-DINITROTOLUENE	N	3	2004	0.53	UG/L	U
DC061A04	D	C06	5	1	4-AMINO-2,6-DINITROTOLUENE	N	1	2004	0.54	UG/L	U
FD01080401	D	C06	5	1	4-AMINO-2,6-DINITROTOLUENE	N	1	2004	0.54	UG/L	U
DC063A04	D	C06	5	1	4-AMINO-2,6-DINITROTOLUENE	N	3	2004	0.56	UG/L	U
DC071A04	D	C07	6	1	4-AMINO-2,6-DINITROTOLUENE	N	1	2004	0.54	UG/L	U
DC073A04	D	C07	6	1	4-AMINO-2,6-DINITROTOLUENE	N	3	2004	0.53	UG/L	U
DC081A04	D	C08	7	1	4-AMINO-2,6-DINITROTOLUENE	N	1	2004	0.57	UG/L	U
DC083A04	D	C08	7	1	4-AMINO-2,6-DINITROTOLUENE	N	3	2004	0.54	UG/L	U
DC03P21A04	D	C03P2	1	2	4-AMINO-2,6-DINITROTOLUENE	N	1	2004	0.54	UG/L	U
DC03P23A04	D	C03P2	1	2	4-AMINO-2,6-DINITROTOLUENE	N	3	2004	0.53	UG/L	U
DC04P21A04	D	C04P2	2	2	4-AMINO-2,6-DINITROTOLUENE	N	1	2004	0.56	UG/L	U

Table 7.5. Raw Data for 4-Amino-2,6-dinitrotoluene. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
DC04P23A04	D	C04P2	2	2	4-AMINO-2,6-DINITROTOLUENE	N	3	2004	0.55	UG/L	U
DC06P21A04	D	C06P2	3	2	4-AMINO-2,6-DINITROTOLUENE	N	1	2004	0.52	UG/L	U
DC06P23A04	D	C06P2	3	2	4-AMINO-2,6-DINITROTOLUENE	N	3	2004	0.53	UG/L	U
DC08P21A04	D	C08P2	4	2	4-AMINO-2,6-DINITROTOLUENE	N	1	2004	0.51	UG/L	U
DC08P23A04	D	C08P2	4	2	4-AMINO-2,6-DINITROTOLUENE	N	3	2004	0.53	UG/L	U
OC081A04	O	C08	1	1	4-AMINO-2,6-DINITROTOLUENE	N	1	2004	0.56	UG/L	U
OC082A04	O	C08	1	1	4-AMINO-2,6-DINITROTOLUENE	N	2	2004	0.56	UG/L	U
OC083A04	O	C08	1	1	4-AMINO-2,6-DINITROTOLUENE	N	3	2004	0.59	UG/L	U
OC084A04	O	C08	1	1	4-AMINO-2,6-DINITROTOLUENE	N	4	2004	0.56	UG/L	U
OC111A04	O	C11	2	1	4-AMINO-2,6-DINITROTOLUENE	N	1	2004	0.53	UG/L	U
OC112A04	O	C11	2	1	4-AMINO-2,6-DINITROTOLUENE	N	2	2004	0.52	UG/L	U
OC113A04	O	C11	2	1	4-AMINO-2,6-DINITROTOLUENE	N	3	2004	0.56	UG/L	U
OC114A04	O	C11	2	1	4-AMINO-2,6-DINITROTOLUENE	N	4	2004	0.54	UG/L	U
OC121A04	O	C12	3	1	4-AMINO-2,6-DINITROTOLUENE	N	1	2004	0.54	UG/L	U
OC122A04	O	C12	3	1	4-AMINO-2,6-DINITROTOLUENE	N	2	2004	0.53	UG/L	U
OC123A04	O	C12	3	1	4-AMINO-2,6-DINITROTOLUENE	N	3	2004	0.57	UG/L	U
OC124A04	O	C12	3	1	4-AMINO-2,6-DINITROTOLUENE	N	4	2004	0.53	UG/L	U
OC131A04	O	C13	4	1	4-AMINO-2,6-DINITROTOLUENE	N	1	2004	0.57	UG/L	U
OC132A04	O	C13	4	1	4-AMINO-2,6-DINITROTOLUENE	N	2	2004	0.53	UG/L	U
OC133A04	O	C13	4	1	4-AMINO-2,6-DINITROTOLUENE	N	3	2004	0.57	UG/L	U
OC134A04	O	C13	4	1	4-AMINO-2,6-DINITROTOLUENE	N	4	2004	0.53	UG/L	U
OC141A04	O	C14	5	1	4-AMINO-2,6-DINITROTOLUENE	N	1	2004	0.56	UG/L	U
OC142A04	O	C14	5	1	4-AMINO-2,6-DINITROTOLUENE	N	2	2004	0.52	UG/L	U
OC143A04	O	C14	5	1	4-AMINO-2,6-DINITROTOLUENE	N	3	2004	0.57	UG/L	U
OC144A04	O	C14	5	1	4-AMINO-2,6-DINITROTOLUENE	N	4	2004	0.52	UG/L	U
OC151A04	O	C15	6	1	4-AMINO-2,6-DINITROTOLUENE	N	1	2004	2.8	UG/L	
FD02100401	O	C15	6	1	4-AMINO-2,6-DINITROTOLUENE	N	1	2004	2.6	UG/L	
OC152A04	O	C15	6	1	4-AMINO-2,6-DINITROTOLUENE	N	2	2004	2.7	UG/L	
FD05170401	O	C15	6	1	4-AMINO-2,6-DINITROTOLUENE	N	2	2004	2.7	UG/L	
OC153A04	O	C15	6	1	4-AMINO-2,6-DINITROTOLUENE	N	3	2004	2.2	UG/L	
FD08170401	O	C15	6	1	4-AMINO-2,6-DINITROTOLUENE	N	3	2004	2.3	UG/L	
OC154A04	O	C15	6	1	4-AMINO-2,6-DINITROTOLUENE	N	4	2004	3.4	UG/L	
FD11160401	O	C15	6	1	4-AMINO-2,6-DINITROTOLUENE	N	4	2004	3.4	UG/L	
OC161A04	O	C16	7	1	4-AMINO-2,6-DINITROTOLUENE	N	1	2004	0.54	UG/L	U
FD02110401	O	C16	7	1	4-AMINO-2,6-DINITROTOLUENE	N	1	2004	0.51	UG/L	U
OC162A04	O	C16	7	1	4-AMINO-2,6-DINITROTOLUENE	N	2	2004	0.57	UG/L	U
FD05030401	O	C16	7	1	4-AMINO-2,6-DINITROTOLUENE	N	2	2004	0.54	UG/L	U
OC163A04	O	C16	7	1	4-AMINO-2,6-DINITROTOLUENE	N	3	2004	0.54	UG/L	U
OC164A04	O	C16	7	1	4-AMINO-2,6-DINITROTOLUENE	N	4	2004	0.53	UG/L	U
FD11230402	O	C16	7	1	4-AMINO-2,6-DINITROTOLUENE	N	4	2004	0.52	UG/L	U
OC181A04	O	C18	8	1	4-AMINO-2,6-DINITROTOLUENE	N	1	2004	0.52	UG/L	U
OC182A04	O	C18	8	1	4-AMINO-2,6-DINITROTOLUENE	N	2	2004	0.54	UG/L	U
OC183A04	O	C18	8	1	4-AMINO-2,6-DINITROTOLUENE	N	3	2004	0.54	UG/L	U
OC184A04	O	C18	8	1	4-AMINO-2,6-DINITROTOLUENE	N	4	2004	0.57	UG/L	U

Table 7.5. Raw Data for 4-Amino-2,6-dinitrotoluene. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
OC191A04	O	C19	9	1	4-AMINO-2,6-DINITROTOLUENE	N	1	2004	0.56	UG/L	U
OC192A04	O	C19	9	1	4-AMINO-2,6-DINITROTOLUENE	N	2	2004	0.53	UG/L	U
OC193A04	O	C19	9	1	4-AMINO-2,6-DINITROTOLUENE	N	3	2004	0.56	UG/L	U
FD09010401	O	C19	9	1	4-AMINO-2,6-DINITROTOLUENE	N	3	2004	0.57	UG/L	U
OC194A04	O	C19	9	1	4-AMINO-2,6-DINITROTOLUENE	N	4	2004	0.54	UG/L	U
OC11P21A04	O	C11P2	1	2	4-AMINO-2,6-DINITROTOLUENE	N	1	2004	0.56	UG/L	U
OC11P22A04	O	C11P2	1	2	4-AMINO-2,6-DINITROTOLUENE	N	2	2004	0.52	UG/L	U
OC11P23A04	O	C11P2	1	2	4-AMINO-2,6-DINITROTOLUENE	N	3	2004	0.53	UG/L	U
OC11P24A04	O	C11P2	1	2	4-AMINO-2,6-DINITROTOLUENE	N	4	2004	0.54	UG/L	U
OC13P21A04	O	C13P2	2	2	4-AMINO-2,6-DINITROTOLUENE	N	1	2004	0.57	UG/L	U
OC13P22A04	O	C13P2	2	2	4-AMINO-2,6-DINITROTOLUENE	N	2	2004	0.54	UG/L	U
OC13P23A04	O	C13P2	2	2	4-AMINO-2,6-DINITROTOLUENE	N	3	2004	0.56	UG/L	U
OC13P24A04	O	C13P2	2	2	4-AMINO-2,6-DINITROTOLUENE	N	4	2004	0.53	UG/L	U
OC14P21A04	O	C14P2	3	2	4-AMINO-2,6-DINITROTOLUENE	N	1	2004	0.52	UG/L	U
OC14P22A04	O	C14P2	3	2	4-AMINO-2,6-DINITROTOLUENE	N	2	2004	0.56	UG/L	U
OC14P23A04	O	C14P2	3	2	4-AMINO-2,6-DINITROTOLUENE	N	3	2004	0.55	UG/L	U
OC14P24A04	O	C14P2	3	2	4-AMINO-2,6-DINITROTOLUENE	N	4	2004	0.57	UG/L	U
OC18P21A04	O	C18P2	4	2	4-AMINO-2,6-DINITROTOLUENE	N	1	2004	0.51	UG/L	U
OC18P22A04	O	C18P2	4	2	4-AMINO-2,6-DINITROTOLUENE	N	2	2004	0.53	UG/L	U
OC18P23A04	O	C18P2	4	2	4-AMINO-2,6-DINITROTOLUENE	N	3	2004	0.57	UG/L	U
OC18P24A04	O	C18P2	4	2	4-AMINO-2,6-DINITROTOLUENE	N	4	2004	0.53	UG/L	U
OC19P21A04	O	C19P2	5	2	4-AMINO-2,6-DINITROTOLUENE	N	1	2004	0.54	UG/L	U
OC19P22A04	O	C19P2	5	2	4-AMINO-2,6-DINITROTOLUENE	N	2	2004	0.57	UG/L	U
OC19P23A04	O	C19P2	5	2	4-AMINO-2,6-DINITROTOLUENE	N	3	2004	0.57	UG/L	U
OC19P24A04	O	C19P2	5	2	4-AMINO-2,6-DINITROTOLUENE	N	4	2004	0.56	UG/L	U

Table 7.6. Raw Data for HMX.

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC02P21A04	A	C02P2	1	1	HMX	N	1	2004	2.8	UG/L	
AC02P22A04	A	C02P2	1	1	HMX	N	2	2004	32	UG/L	
AC02P23A04	A	C02P2	1	1	HMX	N	3	2004	30	UG/L	
AC02P24A04	A	C02P2	1	1	HMX	N	4	2004	5.9	UG/L	
AC031A04	A	C03	2	1	HMX	N	1	2004	0.57	UG/L	U
AC032A04	A	C03	2	1	HMX	N	2	2004	0.49	UG/L	U
AC033A04	A	C03	2	1	HMX	N	3	2004	0.53	UG/L	U
AC034A04	A	C03	2	1	HMX	N	4	2004	0.54	UG/L	U
AC041A04	A	C04	3	1	HMX	N	1	2004	0.56	UG/L	U
AC042A04	A	C04	3	1	HMX	N	2	2004	0.56	UG/L	U
AC043A04	A	C04	3	1	HMX	N	3	2004	0.53	UG/L	U
AC044A04	A	C04	3	1	HMX	N	4	2004	0.59	UG/L	UJ
AC071A04	A	C07	4	1	HMX	N	1	2004	14	UG/L	
AC072A04	A	C07	4	1	HMX	N	2	2004	13	UG/L	
AC073A04	A	C07	4	1	HMX	N	3	2004	13	UG/L	

Table 7.6. Raw Data for HMX. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC074A04	A	C07	4	1	HMX	N	4	2004	15	UG/L	
AC08P21A04	A	C08P2	5	1	HMX	N	1	2004	34	UG/L	
AC08P22A04	A	C08P2	5	1	HMX	N	2	2004	31	UG/L	
AC08P23A04DL	A	C08P2	5	1	HMX	N	3	2004	33	UG/L	D
AC08P24A04DL	A	C08P2	5	1	HMX	N	4	2004	28	UG/L	D
AC09P21A04	A	C09P2	6	1	HMX	N	1	2004	5.8	UG/L	
FD03080401	A	C09P2	6	1	HMX	N	1	2004	6	UG/L	
AC09P22A04	A	C09P2	6	1	HMX	N	2	2004	9.9	UG/L	
AC09P23A04DL	A	C09P2	6	1	HMX	N	3	2004	6.7	UG/L	D
AC09P24A04DL	A	C09P2	6	1	HMX	N	4	2004	8	UG/L	D
AC151A04	A	C15	7	1	HMX	N	1	2004	0.52	UG/L	U
AC152A04	A	C15	7	1	HMX	N	2	2004	0.54	UG/L	U
FD06210401	A	C15	7	1	HMX	N	2	2004	0.55	UG/L	U
AC153A04	A	C15	7	1	HMX	N	3	2004	0.55	UG/L	U
FD09200402	A	C15	7	1	HMX	N	3	2004	0.58	UG/L	U
AC154A04	A	C15	7	1	HMX	N	4	2004	0.52	UG/L	U
FD12160401	A	C15	7	1	HMX	N	4	2004	0.53	UG/L	U
AC171A04	A	C17	8	1	HMX	N	1	2004	0.53	UG/L	U
AC172A04	A	C17	8	1	HMX	N	2	2004	0.53	UG/L	U
AC173A04	A	C17	8	1	HMX	N	3	2004	0.53	UG/L	U
FD09200401	A	C17	8	1	HMX	N	3	2004	0.54	UG/L	U
AC201A04	A	C20	9	1	HMX	N	1	2004	34	UG/L	
AC202B04	A	C20	9	1	HMX	N	2	2004	27	UG/L	
AC203A04DL	A	C20	9	1	HMX	N	3	2004	25	UG/L	D
AC204A04	A	C20	9	1	HMX	N	4	2004	25	UG/L	
AC251A04	A	C25	10	1	HMX	N	1	2004	0.49	UG/L	U
AC252A04	A	C25	10	1	HMX	N	2	2004	0.54	UG/L	U
AC253A04	A	C25	10	1	HMX	N	3	2004	0.56	UG/L	U
AC254A04	A	C25	10	1	HMX	N	4	2004	0.56	UG/L	U
AC261A04	A	C26	11	1	HMX	N	1	2004	0.53	UG/L	U
AC262A04	A	C26	11	1	HMX	N	2	2004	0.54	UG/L	U
AC263A04	A	C26	11	1	HMX	N	3	2004	0.57	UG/L	U
AC264A04	A	C26	11	1	HMX	N	4	2004	0.54	UG/L	U
AC271A04	A	C27	12	1	HMX	N	1	2004	0.51	UG/L	U
AC272A04	A	C27	12	1	HMX	N	2	2004	0.55	UG/L	U
AC273A04	A	C27	12	1	HMX	N	3	2004	0.53	UG/L	U
AC301A04	A	C30	13	1	HMX	N	1	2004	0.54	UG/L	U
AC302A04	A	C30	13	1	HMX	N	2	2004	0.54	UG/L	U
AC303A04	A	C30	13	1	HMX	N	3	2004	0.53	UG/L	U
AC304A04	A	C30	13	1	HMX	N	4	2004	0.54	UG/L	UJ
ACRB3A04	A	CRB	16	1	HMX	N	3	2004	6.3	UG/L	
ASPA1A04	A	SPA	14	1	HMX	N	1	2004	5.2	UG/L	
ASPA2A04	A	SPA	14	1	HMX	N	2	2004	21	UG/L	
ASPA3A04DL	A	SPA	14	1	HMX	N	3	2004	33	UG/L	D

Table 7.6. Raw Data for HMX. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
ASPA4A04	A	SPA	14	1	HMX	N	4	2004	6	UG/L	
ASPC1A04	A	SPC	15	1	HMX	N	1	2004	0.53	UG/L	U
FD03030401	A	SPC	15	1	HMX	N	1	2004	0.53	UG/L	U
ASPC2A04	A	SPC	15	1	HMX	N	2	2004	1.7	UG/L	
FD06290401	A	SPC	15	1	HMX	N	2	2004	1.5	UG/L	
ASPC3A04	A	SPC	15	1	HMX	N	3	2004	0.75	UG/L	
ASPC4A04	A	SPC	15	1	HMX	N	4	2004	0.77	UG/L	
DC021A04	D	C02	1	1	HMX	N	1	2004	0.54	UG/L	U
DC023A04	D	C02	1	1	HMX	N	3	2004	0.54	UG/L	U
DC031A04	D	C03	2	1	HMX	N	1	2004	0.52	UG/L	U
DC033A04	D	C03	2	1	HMX	N	3	2004	0.53	UG/L	U
FD07210401	D	C03	2	1	HMX	N	3	2004	0.53	UG/L	U
DC041A04	D	C04	3	1	HMX	N	1	2004	0.53	UG/L	U
FD01140401	D	C04	3	1	HMX	N	1	2004	0.51	UG/L	U
DC043A04	D	C04	3	1	HMX	N	3	2004	0.53	UG/L	U
FD07150401	D	C04	3	1	HMX	N	3	2004	0.54	UG/L	U
DC051A04	D	C05	4	1	HMX	N	1	2004	0.54	UG/L	U
DC053A04	D	C05	4	1	HMX	N	3	2004	0.53	UG/L	U
DC061A04	D	C06	5	1	HMX	N	1	2004	0.54	UG/L	U
FD01080401	D	C06	5	1	HMX	N	1	2004	0.54	UG/L	U
DC063A04	D	C06	5	1	HMX	N	3	2004	0.56	UG/L	U
DC071A04	D	C07	6	1	HMX	N	1	2004	0.54	UG/L	U
DC073A04	D	C07	6	1	HMX	N	3	2004	0.53	UG/L	U
DC081A04	D	C08	7	1	HMX	N	1	2004	0.57	UG/L	U
DC083A04	D	C08	7	1	HMX	N	3	2004	0.54	UG/L	U
DC03P21A04	D	C03P2	1	2	HMX	N	1	2004	0.54	UG/L	U
DC03P23A04	D	C03P2	1	2	HMX	N	3	2004	0.53	UG/L	U
DC04P21A04	D	C04P2	2	2	HMX	N	1	2004	0.56	UG/L	U
DC04P23A04	D	C04P2	2	2	HMX	N	3	2004	0.55	UG/L	U
DC06P21A04	D	C06P2	3	2	HMX	N	1	2004	0.52	UG/L	U
DC06P23A04	D	C06P2	3	2	HMX	N	3	2004	0.53	UG/L	U
DC08P21A04	D	C08P2	4	2	HMX	N	1	2004	0.51	UG/L	U
DC08P23A04	D	C08P2	4	2	HMX	N	3	2004	0.53	UG/L	U
OC081A04	O	C08	1	1	HMX	N	1	2004	0.56	UG/L	U
OC082A04	O	C08	1	1	HMX	N	2	2004	0.56	UG/L	U
OC083A04	O	C08	1	1	HMX	N	3	2004	0.59	UG/L	U
OC084A04	O	C08	1	1	HMX	N	4	2004	0.56	UG/L	U
OC111A04	O	C11	2	1	HMX	N	1	2004	0.53	UG/L	U
OC112A04	O	C11	2	1	HMX	N	2	2004	0.52	UG/L	U
OC113A04	O	C11	2	1	HMX	N	3	2004	0.56	UG/L	U
OC114A04	O	C11	2	1	HMX	N	4	2004	0.54	UG/L	U
OC121A04	O	C12	3	1	HMX	N	1	2004	0.54	UG/L	U
OC122A04	O	C12	3	1	HMX	N	2	2004	0.53	UG/L	U
OC123A04	O	C12	3	1	HMX	N	3	2004	0.57	UG/L	U

Table 7.6. Raw Data for HMX. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
OC124A04	O	C12	3	1	HMX	N	4	2004	0.53	UG/L	U
OC131A04	O	C13	4	1	HMX	N	1	2004	0.57	UG/L	U
OC132A04	O	C13	4	1	HMX	N	2	2004	0.53	UG/L	U
OC133A04	O	C13	4	1	HMX	N	3	2004	0.57	UG/L	U
OC134A04	O	C13	4	1	HMX	N	4	2004	0.53	UG/L	U
OC141A04	O	C14	5	1	HMX	N	1	2004	0.56	UG/L	U
OC142A04	O	C14	5	1	HMX	N	2	2004	0.52	UG/L	U
OC143A04	O	C14	5	1	HMX	N	3	2004	0.57	UG/L	U
OC144A04	O	C14	5	1	HMX	N	4	2004	0.52	UG/L	U
OC151A04	O	C15	6	1	HMX	N	1	2004	0.56	UG/L	U
FD02100401	O	C15	6	1	HMX	N	1	2004	0.52	UG/L	U
OC152A04	O	C15	6	1	HMX	N	2	2004	0.51	UG/L	U
FD05170401	O	C15	6	1	HMX	N	2	2004	0.56	UG/L	U
OC153A04	O	C15	6	1	HMX	N	3	2004	0.56	UG/L	U
FD08170401	O	C15	6	1	HMX	N	3	2004	0.56	UG/L	U
OC154A04	O	C15	6	1	HMX	N	4	2004	0.53	UG/L	U
FD11160401	O	C15	6	1	HMX	N	4	2004	0.55	UG/L	U
OC161A04	O	C16	7	1	HMX	N	1	2004	0.54	UG/L	U
FD02110401	O	C16	7	1	HMX	N	1	2004	0.51	UG/L	U
OC162A04	O	C16	7	1	HMX	N	2	2004	0.57	UG/L	U
FD05030401	O	C16	7	1	HMX	N	2	2004	0.54	UG/L	U
OC163A04	O	C16	7	1	HMX	N	3	2004	0.54	UG/L	U
OC164A04	O	C16	7	1	HMX	N	4	2004	0.53	UG/L	U
FD11230402	O	C16	7	1	HMX	N	4	2004	0.52	UG/L	U
OC181A04	O	C18	8	1	HMX	N	1	2004	0.52	UG/L	U
OC182A04	O	C18	8	1	HMX	N	2	2004	0.54	UG/L	U
OC183A04	O	C18	8	1	HMX	N	3	2004	0.54	UG/L	U
OC184A04	O	C18	8	1	HMX	N	4	2004	0.57	UG/L	U
OC191A04	O	C19	9	1	HMX	N	1	2004	0.56	UG/L	U
OC192A04	O	C19	9	1	HMX	N	2	2004	0.53	UG/L	U
OC193A04	O	C19	9	1	HMX	N	3	2004	0.56	UG/L	U
FD09010401	O	C19	9	1	HMX	N	3	2004	0.57	UG/L	U
OC194A04	O	C19	9	1	HMX	N	4	2004	0.54	UG/L	U
OC11P21A04	O	C11P2	1	2	HMX	N	1	2004	0.56	UG/L	U
OC11P22A04	O	C11P2	1	2	HMX	N	2	2004	0.52	UG/L	U
OC11P23A04	O	C11P2	1	2	HMX	N	3	2004	0.53	UG/L	U
OC11P24A04	O	C11P2	1	2	HMX	N	4	2004	0.54	UG/L	U
OC13P21A04	O	C13P2	2	2	HMX	N	1	2004	0.57	UG/L	U
OC13P22A04	O	C13P2	2	2	HMX	N	2	2004	0.54	UG/L	U
OC13P23A04	O	C13P2	2	2	HMX	N	3	2004	0.56	UG/L	U
OC13P24A04	O	C13P2	2	2	HMX	N	4	2004	0.53	UG/L	U
OC14P21A04	O	C14P2	3	2	HMX	N	1	2004	0.52	UG/L	U
OC14P22A04	O	C14P2	3	2	HMX	N	2	2004	0.56	UG/L	U
OC14P23A04	O	C14P2	3	2	HMX	N	3	2004	0.55	UG/L	U

Table 7.6. Raw Data for HMX. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
OC14P24A04	O	C14P2	3	2	HMX	N	4	2004	0.57	UG/L	U
OC18P21A04	O	C18P2	4	2	HMX	N	1	2004	0.51	UG/L	U
OC18P22A04	O	C18P2	4	2	HMX	N	2	2004	0.53	UG/L	U
OC18P23A04	O	C18P2	4	2	HMX	N	3	2004	0.57	UG/L	U
OC18P24A04	O	C18P2	4	2	HMX	N	4	2004	0.53	UG/L	U
OC19P21A04	O	C19P2	5	2	HMX	N	1	2004	0.54	UG/L	U
OC19P22A04	O	C19P2	5	2	HMX	N	2	2004	0.57	UG/L	U
OC19P23A04	O	C19P2	5	2	HMX	N	3	2004	0.57	UG/L	U
OC19P24A04	O	C19P2	5	2	HMX	N	4	2004	0.56	UG/L	U

Table 7.7. Raw Data for Nitrocellulose.

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC02P21A04	A	C02P2	1	1	NITROCELLULOSE IN WATER	N	1	2004	1000	UG/L	UJ
AC02P22A04	A	C02P2	1	1	NITROCELLULOSE IN WATER	N	2	2004	1000	UG/L	U
AC02P23A04	A	C02P2	1	1	NITROCELLULOSE IN WATER	N	3	2004	1000	UG/L	U
AC02P24A04	A	C02P2	1	1	NITROCELLULOSE IN WATER	N	4	2004	1000	UG/L	U
AC031A04	A	C03	2	1	NITROCELLULOSE IN WATER	N	1	2004	1000	UG/L	UJ
AC032A04	A	C03	2	1	NITROCELLULOSE IN WATER	N	2	2004	1000	UG/L	U
AC033A04	A	C03	2	1	NITROCELLULOSE IN WATER	N	3	2004	1000	UG/L	U
AC034A04	A	C03	2	1	NITROCELLULOSE IN WATER	N	4	2004	1000	UG/L	U
AC041A04	A	C04	3	1	NITROCELLULOSE IN WATER	N	1	2004	1000	UG/L	UJ
AC042A04	A	C04	3	1	NITROCELLULOSE IN WATER	N	2	2004	1000	UG/L	UJ
AC043A04	A	C04	3	1	NITROCELLULOSE IN WATER	N	3	2004	1000	UG/L	U
AC044A04	A	C04	3	1	NITROCELLULOSE IN WATER	N	4	2004	1000	UG/L	UJ
AC071A04	A	C07	4	1	NITROCELLULOSE IN WATER	N	1	2004	1000	UG/L	UJ
AC072A04	A	C07	4	1	NITROCELLULOSE IN WATER	N	2	2004	1000	UG/L	UJ
AC073A04	A	C07	4	1	NITROCELLULOSE IN WATER	N	3	2004	1000	UG/L	U
AC074A04	A	C07	4	1	NITROCELLULOSE IN WATER	N	4	2004	1000	UG/L	U
AC08P21A04	A	C08P2	5	1	NITROCELLULOSE IN WATER	N	1	2004	1000	UG/L	UJ
AC08P22A04	A	C08P2	5	1	NITROCELLULOSE IN WATER	N	2	2004	1000	UG/L	UJ
AC08P23A04	A	C08P2	5	1	NITROCELLULOSE IN WATER	N	3	2004	1000	UG/L	U
AC08P24A04	A	C08P2	5	1	NITROCELLULOSE IN WATER	N	4	2004	1000	UG/L	U
AC09P21A04	A	C09P2	6	1	NITROCELLULOSE IN WATER	N	1	2004	1000	UG/L	UJ
FD03080401	A	C09P2	6	1	NITROCELLULOSE IN WATER	N	1	2004	1000	UG/L	UJ
AC09P22A04	A	C09P2	6	1	NITROCELLULOSE IN WATER	N	2	2004	1000	UG/L	UJ
AC09P23A04	A	C09P2	6	1	NITROCELLULOSE IN WATER	N	3	2004	1000	UG/L	U
AC09P24A04	A	C09P2	6	1	NITROCELLULOSE IN WATER	N	4	2004	1000	UG/L	U
FD12290402	A	C09P2	6	1	NITROCELLULOSE IN WATER	N	4	2004	1000	UG/L	U
AC151A04	A	C15	7	1	NITROCELLULOSE IN WATER	N	1	2004	1000	UG/L	UJ
AC152A04	A	C15	7	1	NITROCELLULOSE IN WATER	N	2	2004	1000	UG/L	UJ
FD06210401	A	C15	7	1	NITROCELLULOSE IN WATER	N	2	2004	1000	UG/L	UJ
AC153A04	A	C15	7	1	NITROCELLULOSE IN WATER	N	3	2004	1000	UG/L	U
FD09200402	A	C15	7	1	NITROCELLULOSE IN WATER	N	3	2004	1000	UG/L	U

Table 7.7. Raw Data for Nitrocellulose. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC154A04	A	C15	7	1	NITROCELLULOSE IN WATER	N	4	2004	1000	UG/L	U
FD12160401	A	C15	7	1	NITROCELLULOSE IN WATER	N	4	2004	1000	UG/L	U
AC171A04	A	C17	8	1	NITROCELLULOSE IN WATER	N	1	2004	1000	UG/L	UJ
AC172A04	A	C17	8	1	NITROCELLULOSE IN WATER	N	2	2004	1000	UG/L	UJ
AC173A04	A	C17	8	1	NITROCELLULOSE IN WATER	N	3	2004	1000	UG/L	U
FD09200401	A	C17	8	1	NITROCELLULOSE IN WATER	N	3	2004	1000	UG/L	U
AC201A04	A	C20	9	1	NITROCELLULOSE IN WATER	N	1	2004	1000	UG/L	UJ
AC202B04	A	C20	9	1	NITROCELLULOSE IN WATER	N	2	2004	1000	UG/L	UJ
AC203A04	A	C20	9	1	NITROCELLULOSE IN WATER	N	3	2004	1000	UG/L	U
AC204A04	A	C20	9	1	NITROCELLULOSE IN WATER	N	4	2004	1000	UG/L	U
AC251A04	A	C25	10	1	NITROCELLULOSE IN WATER	N	1	2004	1000	UG/L	UJ
AC252A04	A	C25	10	1	NITROCELLULOSE IN WATER	N	2	2004	1000	UG/L	U
AC253A04	A	C25	10	1	NITROCELLULOSE IN WATER	N	3	2004	1000	UG/L	U
AC254A04	A	C25	10	1	NITROCELLULOSE IN WATER	N	4	2004	1000	UG/L	U
AC261A04	A	C26	11	1	NITROCELLULOSE IN WATER	N	1	2004	1000	UG/L	UJ
AC262A04	A	C26	11	1	NITROCELLULOSE IN WATER	N	2	2004	1000	UG/L	UJ
AC263A04	A	C26	11	1	NITROCELLULOSE IN WATER	N	3	2004	1000	UG/L	U
AC264A04	A	C26	11	1	NITROCELLULOSE IN WATER	N	4	2004	1000	UG/L	U
AC271A04	A	C27	12	1	NITROCELLULOSE IN WATER	N	1	2004	1000	UG/L	UJ
AC272A04	A	C27	12	1	NITROCELLULOSE IN WATER	N	2	2004	1000	UG/L	UJ
AC273A04	A	C27	12	1	NITROCELLULOSE IN WATER	N	3	2004	1000	UG/L	U
AC301A04	A	C30	13	1	NITROCELLULOSE IN WATER	N	1	2004	1000	UG/L	UJ
AC302A04	A	C30	13	1	NITROCELLULOSE IN WATER	N	2	2004	1000	UG/L	UJ
AC303A04	A	C30	13	1	NITROCELLULOSE IN WATER	N	3	2004	1000	UG/L	U
AC304A04	A	C30	13	1	NITROCELLULOSE IN WATER	N	4	2004	1000	UG/L	U
ACRB3A04	A	CRB	16	1	NITROCELLULOSE IN WATER	N	3	2004	1000	UG/L	U
ASPA1A04	A	SPA	14	1	NITROCELLULOSE IN WATER	N	1	2004	1000	UG/L	UJ
ASPA2A04	A	SPA	14	1	NITROCELLULOSE IN WATER	N	2	2004	1000	UG/L	UJ
ASPA3A04	A	SPA	14	1	NITROCELLULOSE IN WATER	N	3	2004	1000	UG/L	U
ASPA4A04	A	SPA	14	1	NITROCELLULOSE IN WATER	N	4	2004	1000	UG/L	UJ
ASPC1A04	A	SPC	15	1	NITROCELLULOSE IN WATER	N	1	2004	1000	UG/L	UJ
FD03030401	A	SPC	15	1	NITROCELLULOSE IN WATER	N	1	2004	1000	UG/L	UJ
ASPC2A04	A	SPC	15	1	NITROCELLULOSE IN WATER	N	2	2004	1000	UG/L	UJ
FD06290401	A	SPC	15	1	NITROCELLULOSE IN WATER	N	2	2004	1000	UG/L	UJ
ASPC3A04	A	SPC	15	1	NITROCELLULOSE IN WATER	N	3	2004	1000	UG/L	U
ASPC4A04	A	SPC	15	1	NITROCELLULOSE IN WATER	N	4	2004	1000	UG/L	UJ
DC021A04	D	C02	1	1	NITROCELLULOSE IN WATER	N	1	2004	1000	UG/L	UJ
DC023A04	D	C02	1	1	NITROCELLULOSE IN WATER	N	3	2004	1000	UG/L	U
DC031A04	D	C03	2	1	NITROCELLULOSE IN WATER	N	1	2004	1000	UG/L	UJ
DC033A04	D	C03	2	1	NITROCELLULOSE IN WATER	N	3	2004	1000	UG/L	U
FD07210401	D	C03	2	1	NITROCELLULOSE IN WATER	N	3	2004	1000	UG/L	U
DC041A04	D	C04	3	1	NITROCELLULOSE IN WATER	N	1	2004	1000	UG/L	UJ
FD01140401	D	C04	3	1	NITROCELLULOSE IN WATER	N	1	2004	1000	UG/L	UJ
DC043A04	D	C04	3	1	NITROCELLULOSE IN WATER	N	3	2004	1000	UG/L	U

Table 7.7. Raw Data for Nitrocellulose. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
FD07150401	D	C04	3	1	NITROCELLULOSE IN WATER	N	3	2004	1000	UG/L	U
DC051A04	D	C05	4	1	NITROCELLULOSE IN WATER	N	1	2004	1000	UG/L	UJ
DC053A04	D	C05	4	1	NITROCELLULOSE IN WATER	N	3	2004	1000	UG/L	U
DC061A04	D	C06	5	1	NITROCELLULOSE IN WATER	N	1	2004	1000	UG/L	UJ
FD01080401	D	C06	5	1	NITROCELLULOSE IN WATER	N	1	2004	1000	UG/L	UJ
DC063A04	D	C06	5	1	NITROCELLULOSE IN WATER	N	3	2004	1000	UG/L	U
DC071A04	D	C07	6	1	NITROCELLULOSE IN WATER	N	1	2004	1000	UG/L	UJ
DC073A04	D	C07	6	1	NITROCELLULOSE IN WATER	N	3	2004	1000	UG/L	U
DC081A04	D	C08	7	1	NITROCELLULOSE IN WATER	N	1	2004	1000	UG/L	UJ
DC083A04	D	C08	7	1	NITROCELLULOSE IN WATER	N	3	2004	1000	UG/L	U
DC03P21A04	D	C03P2	1	2	NITROCELLULOSE IN WATER	N	1	2004	1000	UG/L	UJ
DC03P23A04	D	C03P2	1	2	NITROCELLULOSE IN WATER	N	3	2004	1000	UG/L	U
DC04P21A04	D	C04P2	2	2	NITROCELLULOSE IN WATER	N	1	2004	1000	UG/L	UJ
DC04P23A04	D	C04P2	2	2	NITROCELLULOSE IN WATER	N	3	2004	1000	UG/L	U
DC06P21A04	D	C06P2	3	2	NITROCELLULOSE IN WATER	N	1	2004	1000	UG/L	UJ
DC06P23A04	D	C06P2	3	2	NITROCELLULOSE IN WATER	N	3	2004	1000	UG/L	U
DC08P21A04	D	C08P2	4	2	NITROCELLULOSE IN WATER	N	1	2004	1000	UG/L	UJ
DC08P23A04	D	C08P2	4	2	NITROCELLULOSE IN WATER	N	3	2004	1000	UG/L	U
OC081A04	O	C08	1	1	NITROCELLULOSE IN WATER	N	1	2004	1000	UG/L	U
OC082A04	O	C08	1	1	NITROCELLULOSE IN WATER	N	2	2004	1000	UG/L	U
OC083A04	O	C08	1	1	NITROCELLULOSE IN WATER	N	3	2004	1000	UG/L	U
OC084A04	O	C08	1	1	NITROCELLULOSE IN WATER	N	4	2004	1000	UG/L	U
OC111A04	O	C11	2	1	NITROCELLULOSE IN WATER	N	1	2004	1000	UG/L	U
OC112A04	O	C11	2	1	NITROCELLULOSE IN WATER	N	2	2004	1000	UG/L	U
OC113A04	O	C11	2	1	NITROCELLULOSE IN WATER	N	3	2004	1000	UG/L	U
OC114A04	O	C11	2	1	NITROCELLULOSE IN WATER	N	4	2004	1000	UG/L	U
OC121A04	O	C12	3	1	NITROCELLULOSE IN WATER	N	1	2004	1000	UG/L	U
OC122A04	O	C12	3	1	NITROCELLULOSE IN WATER	N	2	2004	1000	UG/L	UJ
OC123A04	O	C12	3	1	NITROCELLULOSE IN WATER	N	3	2004	1000	UG/L	U
OC124A04	O	C12	3	1	NITROCELLULOSE IN WATER	N	4	2004	1000	UG/L	U
OC131A04	O	C13	4	1	NITROCELLULOSE IN WATER	N	1	2004	1000	UG/L	U
OC132A04	O	C13	4	1	NITROCELLULOSE IN WATER	N	2	2004	1000	UG/L	UJ
OC133A04	O	C13	4	1	NITROCELLULOSE IN WATER	N	3	2004	1000	UG/L	U
OC134A04	O	C13	4	1	NITROCELLULOSE IN WATER	N	4	2004	1000	UG/L	U
OC141A04	O	C14	5	1	NITROCELLULOSE IN WATER	N	1	2004	1000	UG/L	U
OC142A04	O	C14	5	1	NITROCELLULOSE IN WATER	N	2	2004	1000	UG/L	UJ
OC143A04	O	C14	5	1	NITROCELLULOSE IN WATER	N	3	2004	1000	UG/L	U
OC144A04	O	C14	5	1	NITROCELLULOSE IN WATER	N	4	2004	1000	UG/L	U
OC151A04	O	C15	6	1	NITROCELLULOSE IN WATER	N	1	2004	1000	UG/L	U
FD02100401	O	C15	6	1	NITROCELLULOSE IN WATER	N	1	2004	1000	UG/L	U
OC152A04	O	C15	6	1	NITROCELLULOSE IN WATER	N	2	2004	1000	UG/L	UJ
FD05170401	O	C15	6	1	NITROCELLULOSE IN WATER	N	2	2004	1000	UG/L	UJ
OC153A04	O	C15	6	1	NITROCELLULOSE IN WATER	N	3	2004	1000	UG/L	UJ
FD08170401	O	C15	6	1	NITROCELLULOSE IN WATER	N	3	2004	1000	UG/L	UJ

Table 7.7. Raw Data for Nitrocellulose. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
OC154A04	O	C15	6	1	NITROCELLULOSE IN WATER	N	4	2004	1000	UG/L	U
FD11160401	O	C15	6	1	NITROCELLULOSE IN WATER	N	4	2004	3500	UG/L	
OC161A04	O	C16	7	1	NITROCELLULOSE IN WATER	N	1	2004	1000	UG/L	U
FD02110401	O	C16	7	1	NITROCELLULOSE IN WATER	N	1	2004	1000	UG/L	U
OC162A04	O	C16	7	1	NITROCELLULOSE IN WATER	N	2	2004	1000	UG/L	UJ
FD05030401	O	C16	7	1	NITROCELLULOSE IN WATER	N	2	2004	1000	UG/L	UJ
OC163A04	O	C16	7	1	NITROCELLULOSE IN WATER	N	3	2004	1000	UG/L	U
OC164A04	O	C16	7	1	NITROCELLULOSE IN WATER	N	4	2004	1000	UG/L	U
FD11230402	O	C16	7	1	NITROCELLULOSE IN WATER	N	4	2004	1000	UG/L	U
OC181A04	O	C18	8	1	NITROCELLULOSE IN WATER	N	1	2004	1000	UG/L	U
OC182A04	O	C18	8	1	NITROCELLULOSE IN WATER	N	2	2004	1000	UG/L	UJ
OC183A04	O	C18	8	1	NITROCELLULOSE IN WATER	N	3	2004	1000	UG/L	U
OC184A04	O	C18	8	1	NITROCELLULOSE IN WATER	N	4	2004	1000	UG/L	U
OC191A04	O	C19	9	1	NITROCELLULOSE IN WATER	N	1	2004	1000	UG/L	U
OC192A04	O	C19	9	1	NITROCELLULOSE IN WATER	N	2	2004	1000	UG/L	U
OC193A04	O	C19	9	1	NITROCELLULOSE IN WATER	N	3	2004	1000	UG/L	U
FD09010401	O	C19	9	1	NITROCELLULOSE IN WATER	N	3	2004	1000	UG/L	U
OC194A04	O	C19	9	1	NITROCELLULOSE IN WATER	N	4	2004	1000	UG/L	U
OC11P21A04	O	C11P2	1	2	NITROCELLULOSE IN WATER	N	1	2004	1000	UG/L	U
OC11P22A04	O	C11P2	1	2	NITROCELLULOSE IN WATER	N	2	2004	1000	UG/L	UJ
OC11P23A04	O	C11P2	1	2	NITROCELLULOSE IN WATER	N	3	2004	1000	UG/L	U
OC11P24A04	O	C11P2	1	2	NITROCELLULOSE IN WATER	N	4	2004	1000	UG/L	U
OC13P21A04	O	C13P2	2	2	NITROCELLULOSE IN WATER	N	1	2004	1000	UG/L	U
OC13P22A04	O	C13P2	2	2	NITROCELLULOSE IN WATER	N	2	2004	1000	UG/L	UJ
OC13P23A04	O	C13P2	2	2	NITROCELLULOSE IN WATER	N	3	2004	1000	UG/L	U
OC13P24A04	O	C13P2	2	2	NITROCELLULOSE IN WATER	N	4	2004	1000	UG/L	U
OC14P21A04	O	C14P2	3	2	NITROCELLULOSE IN WATER	N	1	2004	1000	UG/L	U
OC14P22A04	O	C14P2	3	2	NITROCELLULOSE IN WATER	N	2	2004	1000	UG/L	UJ
OC14P23A04	O	C14P2	3	2	NITROCELLULOSE IN WATER	N	3	2004	1000	UG/L	U
OC14P24A04	O	C14P2	3	2	NITROCELLULOSE IN WATER	N	4	2004	1000	UG/L	U
OC18P21A04	O	C18P2	4	2	NITROCELLULOSE IN WATER	N	1	2004	1000	UG/L	U
OC18P22A04	O	C18P2	4	2	NITROCELLULOSE IN WATER	N	2	2004	1000	UG/L	UJ
OC18P23A04	O	C18P2	4	2	NITROCELLULOSE IN WATER	N	3	2004	1000	UG/L	U
OC18P24A04	O	C18P2	4	2	NITROCELLULOSE IN WATER	N	4	2004	1000	UG/L	U
OC19P21A04	O	C19P2	5	2	NITROCELLULOSE IN WATER	N	1	2004	1000	UG/L	U
OC19P22A04	O	C19P2	5	2	NITROCELLULOSE IN WATER	N	2	2004	1000	UG/L	U
OC19P23A04	O	C19P2	5	2	NITROCELLULOSE IN WATER	N	3	2004	1000	UG/L	U
OC19P24A04	O	C19P2	5	2	NITROCELLULOSE IN WATER	N	4	2004	1000	UG/L	U

Table 7.8. Raw Data for RDX.

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC02P21A04	A	C02P2	1	1	RDX	N	1	2004	1.1	UG/L	
AC02P22A04	A	C02P2	1	1	RDX	N	2	2004	10	UG/L	
AC02P23A04	A	C02P2	1	1	RDX	N	3	2004	9.4	UG/L	
AC02P24A04	A	C02P2	1	1	RDX	N	4	2004	2	UG/L	
AC031A04	A	C03	2	1	RDX	N	1	2004	0.57	UG/L	U
AC032A04	A	C03	2	1	RDX	N	2	2004	0.49	UG/L	U
AC033A04	A	C03	2	1	RDX	N	3	2004	0.53	UG/L	U
AC034A04	A	C03	2	1	RDX	N	4	2004	0.54	UG/L	U
AC041A04	A	C04	3	1	RDX	N	1	2004	0.56	UG/L	U
AC042A04	A	C04	3	1	RDX	N	2	2004	0.56	UG/L	U
AC043A04	A	C04	3	1	RDX	N	3	2004	0.53	UG/L	U
AC044A04	A	C04	3	1	RDX	N	4	2004	0.59	UG/L	UJ
AC071A04	A	C07	4	1	RDX	N	1	2004	43	UG/L	
AC072A04	A	C07	4	1	RDX	N	2	2004	36	UG/L	
AC073A04	A	C07	4	1	RDX	N	3	2004	37	UG/L	
AC074A04	A	C07	4	1	RDX	N	4	2004	43	UG/L	
AC08P21A04DL	A	C08P2	5	1	RDX	N	1	2004	92	UG/L	D
AC08P22A04DL	A	C08P2	5	1	RDX	N	2	2004	77	UG/L	D
AC08P23A04DL	A	C08P2	5	1	RDX	N	3	2004	82	UG/L	D
AC08P24A04DL	A	C08P2	5	1	RDX	N	4	2004	75	UG/L	D
AC09P21A04DL	A	C09P2	6	1	RDX	N	1	2004	240	UG/L	D
FD03080401DL	A	C09P2	6	1	RDX	N	1	2004	240	UG/L	D
AC09P22A04DL	A	C09P2	6	1	RDX	N	2	2004	330	UG/L	D
AC09P23A04DL	A	C09P2	6	1	RDX	N	3	2004	200	UG/L	D
AC09P24A04DL	A	C09P2	6	1	RDX	N	4	2004	240	UG/L	D
FD12290402DL	A	C09P2	6	1	RDX	N	4	2004	240	UG/L	D
AC151A04	A	C15	7	1	RDX	N	1	2004	0.52	UG/L	U
AC152A04	A	C15	7	1	RDX	N	2	2004	0.54	UG/L	U
FD06210401	A	C15	7	1	RDX	N	2	2004	0.55	UG/L	U
AC153A04	A	C15	7	1	RDX	N	3	2004	0.55	UG/L	U
FD09200402	A	C15	7	1	RDX	N	3	2004	0.58	UG/L	U
AC154A04	A	C15	7	1	RDX	N	4	2004	0.52	UG/L	U
FD12160401	A	C15	7	1	RDX	N	4	2004	0.53	UG/L	U
AC171A04	A	C17	8	1	RDX	N	1	2004	0.53	UG/L	U
AC172A04	A	C17	8	1	RDX	N	2	2004	0.53	UG/L	U
AC173A04	A	C17	8	1	RDX	N	3	2004	0.53	UG/L	U
FD09200401	A	C17	8	1	RDX	N	3	2004	0.54	UG/L	U
AC201A04DL	A	C20	9	1	RDX	N	1	2004	270	UG/L	D
AC202B04DL	A	C20	9	1	RDX	N	2	2004	190	UG/L	D
AC203A04DL	A	C20	9	1	RDX	N	3	2004	180	UG/L	D
AC204A04DL	A	C20	9	1	RDX	N	4	2004	190	UG/L	D
AC251A04	A	C25	10	1	RDX	N	1	2004	0.49	UG/L	U
AC252A04	A	C25	10	1	RDX	N	2	2004	0.54	UG/L	U
AC253A04	A	C25	10	1	RDX	N	3	2004	0.56	UG/L	U

Table 7.8. Raw Data for RDX. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC254A04	A	C25	10	1	RDX	N	4	2004	0.56	UG/L	U
AC261A04	A	C26	11	1	RDX	N	1	2004	1.8	UG/L	
AC262A04	A	C26	11	1	RDX	N	2	2004	3.1	UG/L	
AC263A04	A	C26	11	1	RDX	N	3	2004	2.1	UG/L	
AC264A04	A	C26	11	1	RDX	N	4	2004	1.4	UG/L	
AC271A04	A	C27	12	1	RDX	N	1	2004	0.51	UG/L	U
AC272A04	A	C27	12	1	RDX	N	2	2004	0.55	UG/L	U
AC273A04	A	C27	12	1	RDX	N	3	2004	0.53	UG/L	U
AC301A04	A	C30	13	1	RDX	N	1	2004	0.54	UG/L	U
AC302A04	A	C30	13	1	RDX	N	2	2004	0.54	UG/L	U
AC303A04	A	C30	13	1	RDX	N	3	2004	0.53	UG/L	U
AC304A04	A	C30	13	1	RDX	N	4	2004	0.54	UG/L	UJ
ACRB3A04	A	CRB	16	1	RDX	N	3	2004	14	UG/L	
ASPA1A04	A	SPA	14	1	RDX	N	1	2004	11	UG/L	
ASPA2A04	A	SPA	14	1	RDX	N	2	2004	52	UG/L	
ASPA3A04DL	A	SPA	14	1	RDX	N	3	2004	100	UG/L	D
ASPA4A04	A	SPA	14	1	RDX	N	4	2004	13	UG/L	
ASPC1A04	A	SPC	15	1	RDX	N	1	2004	1.1	UG/L	
FD03030401	A	SPC	15	1	RDX	N	1	2004	1.2	UG/L	
ASPC2A04	A	SPC	15	1	RDX	N	2	2004	4.9	UG/L	
FD06290401	A	SPC	15	1	RDX	N	2	2004	4.3	UG/L	
ASPC3A04	A	SPC	15	1	RDX	N	3	2004	1.9	UG/L	
ASPC4A04	A	SPC	15	1	RDX	N	4	2004	1.8	UG/L	
DC021A04	D	C02	1	1	RDX	N	1	2004	0.54	UG/L	U
DC023A04	D	C02	1	1	RDX	N	3	2004	0.54	UG/L	U
DC031A04	D	C03	2	1	RDX	N	1	2004	0.52	UG/L	U
DC033A04	D	C03	2	1	RDX	N	3	2004	0.53	UG/L	U
FD07210401	D	C03	2	1	RDX	N	3	2004	0.53	UG/L	U
DC041A04	D	C04	3	1	RDX	N	1	2004	0.53	UG/L	U
FD01140401	D	C04	3	1	RDX	N	1	2004	0.51	UG/L	U
DC043A04	D	C04	3	1	RDX	N	3	2004	0.53	UG/L	U
FD07150401	D	C04	3	1	RDX	N	3	2004	0.54	UG/L	U
DC051A04	D	C05	4	1	RDX	N	1	2004	0.54	UG/L	U
DC053A04	D	C05	4	1	RDX	N	3	2004	0.53	UG/L	U
DC061A04	D	C06	5	1	RDX	N	1	2004	0.54	UG/L	U
FD01080401	D	C06	5	1	RDX	N	1	2004	0.54	UG/L	U
DC063A04	D	C06	5	1	RDX	N	3	2004	0.56	UG/L	U
DC071A04	D	C07	6	1	RDX	N	1	2004	0.54	UG/L	U
DC073A04	D	C07	6	1	RDX	N	3	2004	0.53	UG/L	U
DC081A04	D	C08	7	1	RDX	N	1	2004	0.57	UG/L	U
DC083A04	D	C08	7	1	RDX	N	3	2004	0.54	UG/L	U
DC03P21A04	D	C03P2	1	2	RDX	N	1	2004	0.54	UG/L	
DC03P23A04	D	C03P2	1	2	RDX	N	3	2004	0.79	UG/L	
DC04P21A04	D	C04P2	2	2	RDX	N	1	2004	0.56	UG/L	U

Table 7.8. Raw Data for RDX. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
DC04P23A04	D	C04P2	2	2	RDX	N	3	2004	0.55	UG/L	U
DC06P21A04	D	C06P2	3	2	RDX	N	1	2004	0.52	UG/L	U
DC06P23A04	D	C06P2	3	2	RDX	N	3	2004	0.53	UG/L	U
DC08P21A04	D	C08P2	4	2	RDX	N	1	2004	0.51	UG/L	U
DC08P23A04	D	C08P2	4	2	RDX	N	3	2004	0.53	UG/L	U
OC081A04	O	C08	1	1	RDX	N	1	2004	0.56	UG/L	U
OC082A04	O	C08	1	1	RDX	N	2	2004	0.56	UG/L	U
OC083A04	O	C08	1	1	RDX	N	3	2004	0.59	UG/L	U
OC084A04	O	C08	1	1	RDX	N	4	2004	0.56	UG/L	U
OC111A04	O	C11	2	1	RDX	N	1	2004	0.53	UG/L	U
OC112A04	O	C11	2	1	RDX	N	2	2004	0.52	UG/L	U
OC113A04	O	C11	2	1	RDX	N	3	2004	0.56	UG/L	U
OC114A04	O	C11	2	1	RDX	N	4	2004	0.54	UG/L	U
OC121A04	O	C12	3	1	RDX	N	1	2004	0.54	UG/L	U
OC122A04	O	C12	3	1	RDX	N	2	2004	0.53	UG/L	U
OC123A04	O	C12	3	1	RDX	N	3	2004	0.57	UG/L	U
OC124A04	O	C12	3	1	RDX	N	4	2004	0.53	UG/L	U
OC131A04	O	C13	4	1	RDX	N	1	2004	0.57	UG/L	U
OC132A04	O	C13	4	1	RDX	N	2	2004	0.53	UG/L	U
OC133A04	O	C13	4	1	RDX	N	3	2004	0.57	UG/L	U
OC134A04	O	C13	4	1	RDX	N	4	2004	0.53	UG/L	U
OC141A04	O	C14	5	1	RDX	N	1	2004	0.56	UG/L	U
OC142A04	O	C14	5	1	RDX	N	2	2004	0.52	UG/L	U
OC143A04	O	C14	5	1	RDX	N	3	2004	0.57	UG/L	U
OC144A04	O	C14	5	1	RDX	N	4	2004	0.52	UG/L	U
OC151A04	O	C15	6	1	RDX	N	1	2004	0.56	UG/L	U
FD02100401	O	C15	6	1	RDX	N	1	2004	0.52	UG/L	U
OC152A04	O	C15	6	1	RDX	N	2	2004	0.51	UG/L	U
FD05170401	O	C15	6	1	RDX	N	2	2004	0.56	UG/L	U
OC153A04	O	C15	6	1	RDX	N	3	2004	0.56	UG/L	U
FD08170401	O	C15	6	1	RDX	N	3	2004	0.56	UG/L	U
OC154A04	O	C15	6	1	RDX	N	4	2004	0.53	UG/L	U
FD11160401	O	C15	6	1	RDX	N	4	2004	0.55	UG/L	U
OC161A04	O	C16	7	1	RDX	N	1	2004	0.54	UG/L	U
FD02110401	O	C16	7	1	RDX	N	1	2004	0.51	UG/L	U
OC162A04	O	C16	7	1	RDX	N	2	2004	0.57	UG/L	U
FD05030401	O	C16	7	1	RDX	N	2	2004	0.54	UG/L	U
OC163A04	O	C16	7	1	RDX	N	3	2004	0.54	UG/L	U
OC164A04	O	C16	7	1	RDX	N	4	2004	0.53	UG/L	U
FD11230402	O	C16	7	1	RDX	N	4	2004	0.52	UG/L	U
OC181A04	O	C18	8	1	RDX	N	1	2004	0.52	UG/L	U
OC182A04	O	C18	8	1	RDX	N	2	2004	0.54	UG/L	U
OC183A04	O	C18	8	1	RDX	N	3	2004	0.54	UG/L	U
OC184A04	O	C18	8	1	RDX	N	4	2004	0.57	UG/L	U

Table 7.8. Raw Data for RDX. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
OC191A04	O	C19	9	1	RDX	N	1	2004	0.56	UG/L	U
OC192A04	O	C19	9	1	RDX	N	2	2004	0.53	UG/L	U
OC193A04	O	C19	9	1	RDX	N	3	2004	0.56	UG/L	U
FD09010401	O	C19	9	1	RDX	N	3	2004	0.57	UG/L	U
OC194A04	O	C19	9	1	RDX	N	4	2004	0.54	UG/L	U
OC11P21A04	O	C11P2	1	2	RDX	N	1	2004	0.56	UG/L	U
OC11P22A04	O	C11P2	1	2	RDX	N	2	2004	0.52	UG/L	U
OC11P23A04	O	C11P2	1	2	RDX	N	3	2004	0.53	UG/L	U
OC11P24A04	O	C11P2	1	2	RDX	N	4	2004	0.54	UG/L	U
OC13P21A04	O	C13P2	2	2	RDX	N	1	2004	0.57	UG/L	U
OC13P22A04	O	C13P2	2	2	RDX	N	2	2004	0.54	UG/L	U
OC13P23A04	O	C13P2	2	2	RDX	N	3	2004	0.56	UG/L	U
OC13P24A04	O	C13P2	2	2	RDX	N	4	2004	0.53	UG/L	U
OC14P21A04	O	C14P2	3	2	RDX	N	1	2004	0.52	UG/L	U
OC14P22A04	O	C14P2	3	2	RDX	N	2	2004	0.56	UG/L	U
OC14P23A04	O	C14P2	3	2	RDX	N	3	2004	0.55	UG/L	U
OC14P24A04	O	C14P2	3	2	RDX	N	4	2004	0.57	UG/L	U
OC18P21A04	O	C18P2	4	2	RDX	N	1	2004	0.51	UG/L	U
OC18P22A04	O	C18P2	4	2	RDX	N	2	2004	0.53	UG/L	U
OC18P23A04	O	C18P2	4	2	RDX	N	3	2004	0.57	UG/L	U
OC18P24A04	O	C18P2	4	2	RDX	N	4	2004	0.53	UG/L	U
OC19P21A04	O	C19P2	5	2	RDX	N	1	2004	0.54	UG/L	U
OC19P22A04	O	C19P2	5	2	RDX	N	2	2004	0.57	UG/L	U
OC19P23A04	O	C19P2	5	2	RDX	N	3	2004	0.57	UG/L	U
OC19P24A04	O	C19P2	5	2	RDX	N	4	2004	0.56	UG/L	U

Table 7.9. Raw Data for Aluminum.

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
DC021A04	D	C02	1	1	ALUMINUM	N	1	2004	222	UG/L	U
DC023A04	D	C02	1	1	ALUMINUM	N	3	2004	222	UG/L	U
DC031A04	D	C03	2	1	ALUMINUM	N	1	2004	222	UG/L	U
DC033A04	D	C03	2	1	ALUMINUM	N	3	2004	222	UG/L	U
FD07210401	D	C03	2	1	ALUMINUM	N	3	2004	222	UG/L	U
DC041A04	D	C04	3	1	ALUMINUM	N	1	2004	222	UG/L	U
FD01140401	D	C04	3	1	ALUMINUM	N	1	2004	222	UG/L	U
DC043A04	D	C04	3	1	ALUMINUM	N	3	2004	222	UG/L	U
FD07150401	D	C04	3	1	ALUMINUM	N	3	2004	222	UG/L	U
DC051A04	D	C05	4	1	ALUMINUM	N	1	2004	222	UG/L	U
DC053A04	D	C05	4	1	ALUMINUM	N	3	2004	222	UG/L	U
DC061A04	D	C06	5	1	ALUMINUM	N	1	2004	222	UG/L	U
FD01080401	D	C06	5	1	ALUMINUM	N	1	2004	222	UG/L	U
DC063A04	D	C06	5	1	ALUMINUM	N	3	2004	222	UG/L	U
DC071A04	D	C07	6	1	ALUMINUM	N	1	2004	222	UG/L	U
DC073A04	D	C07	6	1	ALUMINUM	N	3	2004	222	UG/L	U
DC081A04	D	C08	7	1	ALUMINUM	N	1	2004	15100	UG/L	
DC083A04	D	C08	7	1	ALUMINUM	N	3	2004	258	UG/L	
DC021A04F	D	C02	1	1	ALUMINUM	Y	1	2004	200	UG/L	U
DC023A04F	D	C02	1	1	ALUMINUM	Y	3	2004	2000	UG/L	U
DC031A04F	D	C03	2	1	ALUMINUM	Y	1	2004	200	UG/L	U
DC033A04F	D	C03	2	1	ALUMINUM	Y	3	2004	200	UG/L	U
FD07210401F	D	C03	2	1	ALUMINUM	Y	3	2004	200	UG/L	U
DC041A04F	D	C04	3	1	ALUMINUM	Y	1	2004	200	UG/L	U
FD01140401F	D	C04	3	1	ALUMINUM	Y	1	2004	200	UG/L	U
DC043A04F	D	C04	3	1	ALUMINUM	Y	3	2004	200	UG/L	U
FD07150401F	D	C04	3	1	ALUMINUM	Y	3	2004	200	UG/L	U
DC051A04F	D	C05	4	1	ALUMINUM	Y	1	2004	200	UG/L	U
DC053A04F	D	C05	4	1	ALUMINUM	Y	3	2004	200	UG/L	U
DC061A04F	D	C06	5	1	ALUMINUM	Y	1	2004	200	UG/L	U
FD01080401F	D	C06	5	1	ALUMINUM	Y	1	2004	200	UG/L	U
DC063A04F	D	C06	5	1	ALUMINUM	Y	3	2004	200	UG/L	U
DC071A04F	D	C07	6	1	ALUMINUM	Y	1	2004	200	UG/L	U
DC073A04F	D	C07	6	1	ALUMINUM	Y	3	2004	200	UG/L	U
DC081A04F	D	C08	7	1	ALUMINUM	Y	1	2004	200	UG/L	U
DC083A04F	D	C08	7	1	ALUMINUM	Y	3	2004	200	UG/L	U
DC03P21A04	D	C03P2	1	2	ALUMINUM	N	1	2004	222	UG/L	U
DC03P23A04	D	C03P2	1	2	ALUMINUM	N	3	2004	222	UG/L	U
DC04P21A04	D	C04P2	2	2	ALUMINUM	N	1	2004	222	UG/L	U
DC04P23A04	D	C04P2	2	2	ALUMINUM	N	3	2004	222	UG/L	U
DC06P21A04	D	C06P2	3	2	ALUMINUM	N	1	2004	222	UG/L	U
DC06P23A04	D	C06P2	3	2	ALUMINUM	N	3	2004	222	UG/L	U

Table 7.9. Raw Data for Aluminum. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
DC08P21A04	D	C08P2	4	2	ALUMINUM	N	1	2004	336	UG/L	
DC08P23A04	D	C08P2	4	2	ALUMINUM	N	3	2004	243	UG/L	
DC03P21A04F	D	C03P2	1	2	ALUMINUM	Y	1	2004	200	UG/L	U
DC03P23A04F	D	C03P2	1	2	ALUMINUM	Y	3	2004	200	UG/L	U
DC04P21A04F	D	C04P2	2	2	ALUMINUM	Y	1	2004	200	UG/L	U
DC04P23A04F	D	C04P2	2	2	ALUMINUM	Y	3	2004	200	UG/L	U
DC06P21A04F	D	C06P2	3	2	ALUMINUM	Y	1	2004	200	UG/L	U
DC06P23A04F	D	C06P2	3	2	ALUMINUM	Y	3	2004	200	UG/L	U
DC08P21A04F	D	C08P2	4	2	ALUMINUM	Y	1	2004	331	UG/L	
DC08P23A04F	D	C08P2	4	2	ALUMINUM	Y	3	2004	262	UG/L	

Table 7.10. Raw Data for Antimony.

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC02P21A04	A	C02P2	1	1	ANTIMONY	N	1	2004	1.1	UG/L	U
AC02P22A04	A	C02P2	1	1	ANTIMONY	N	2	2004	2.2	UG/L	U
AC02P23A04	A	C02P2	1	1	ANTIMONY	N	3	2004	1.1	UG/L	U
AC02P24A04	A	C02P2	1	1	ANTIMONY	N	4	2004	1.1	UG/L	U
AC031A04	A	C03	2	1	ANTIMONY	N	1	2004	1.1	UG/L	U
AC032A04	A	C03	2	1	ANTIMONY	N	2	2004	2.2	UG/L	U
AC033A04	A	C03	2	1	ANTIMONY	N	3	2004	1.1	UG/L	U
AC034A04	A	C03	2	1	ANTIMONY	N	4	2004	1.1	UG/L	U
AC041A04	A	C04	3	1	ANTIMONY	N	1	2004	1.1	UG/L	U
AC042A04	A	C04	3	1	ANTIMONY	N	2	2004	2.2	UG/L	U
AC043A04	A	C04	3	1	ANTIMONY	N	3	2004	1.1	UG/L	U
AC044A04	A	C04	3	1	ANTIMONY	N	4	2004	1.1	UG/L	U
AC071A04	A	C07	4	1	ANTIMONY	N	1	2004	1.1	UG/L	U
AC072A04	A	C07	4	1	ANTIMONY	N	2	2004	2.2	UG/L	U
AC073A04	A	C07	4	1	ANTIMONY	N	3	2004	1.1	UG/L	U
AC074A04	A	C07	4	1	ANTIMONY	N	4	2004	1.1	UG/L	U
AC08P21A04	A	C08P2	5	1	ANTIMONY	N	1	2004	1.1	UG/L	U
AC08P22A04	A	C08P2	5	1	ANTIMONY	N	2	2004	2.2	UG/L	U
AC08P23A04	A	C08P2	5	1	ANTIMONY	N	3	2004	1.1	UG/L	U
AC08P24A04	A	C08P2	5	1	ANTIMONY	N	4	2004	1.1	UG/L	U
AC09P21A04	A	C09P2	6	1	ANTIMONY	N	1	2004	1.1	UG/L	U
FD03080401	A	C09P2	6	1	ANTIMONY	N	1	2004	1.1	UG/L	U
AC09P22A04	A	C09P2	6	1	ANTIMONY	N	2	2004	2.2	UG/L	U
AC09P23A04	A	C09P2	6	1	ANTIMONY	N	3	2004	1.1	UG/L	U
AC09P24A04	A	C09P2	6	1	ANTIMONY	N	4	2004	1.1	UG/L	U
FD12290402	A	C09P2	6	1	ANTIMONY	N	4	2004	1.1	UG/L	U
AC151A04	A	C15	7	1	ANTIMONY	N	1	2004	1.1	UG/L	U
AC152A04	A	C15	7	1	ANTIMONY	N	2	2004	2.2	UG/L	U
FD06210401	A	C15	7	1	ANTIMONY	N	2	2004	2.2	UG/L	U
AC153A04	A	C15	7	1	ANTIMONY	N	3	2004	1.1	UG/L	U

Table 7.10. Raw Data for Antimony. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
FD09200402	A	C15	7	1	ANTIMONY	N	3	2004	1.1	UG/L	U
AC154A04	A	C15	7	1	ANTIMONY	N	4	2004	1.1	UG/L	U
FD12160401	A	C15	7	1	ANTIMONY	N	4	2004	1.1	UG/L	U
AC171A04	A	C17	8	1	ANTIMONY	N	1	2004	1.1	UG/L	U
AC172A04	A	C17	8	1	ANTIMONY	N	2	2004	2.2	UG/L	U
AC173A04	A	C17	8	1	ANTIMONY	N	3	2004	1.1	UG/L	U
FD09200401	A	C17	8	1	ANTIMONY	N	3	2004	1.1	UG/L	U
AC201A04	A	C20	9	1	ANTIMONY	N	1	2004	1.1	UG/L	U
AC202B04	A	C20	9	1	ANTIMONY	N	2	2004	2.2	UG/L	U
AC203A04	A	C20	9	1	ANTIMONY	N	3	2004	1.1	UG/L	U
AC204A04	A	C20	9	1	ANTIMONY	N	4	2004	1.1	UG/L	U
AC251A04	A	C25	10	1	ANTIMONY	N	1	2004	1.1	UG/L	U
AC252A04	A	C25	10	1	ANTIMONY	N	2	2004	2.2	UG/L	U
AC253A04	A	C25	10	1	ANTIMONY	N	3	2004	1.1	UG/L	U
AC254A04	A	C25	10	1	ANTIMONY	N	4	2004	1.1	UG/L	U
AC261A04	A	C26	11	1	ANTIMONY	N	1	2004	1.1	UG/L	U
AC262A04	A	C26	11	1	ANTIMONY	N	2	2004	2.2	UG/L	U
AC263A04	A	C26	11	1	ANTIMONY	N	3	2004	1.1	UG/L	U
AC264A04	A	C26	11	1	ANTIMONY	N	4	2004	1.1	UG/L	U
AC271A04	A	C27	12	1	ANTIMONY	N	1	2004	1.1	UG/L	U
AC272A04	A	C27	12	1	ANTIMONY	N	2	2004	2.2	UG/L	U
AC273A04	A	C27	12	1	ANTIMONY	N	3	2004	1.1	UG/L	U
AC301A04	A	C30	13	1	ANTIMONY	N	1	2004	1.1	UG/L	U
AC302A04	A	C30	13	1	ANTIMONY	N	2	2004	2.2	UG/L	U
AC303A04	A	C30	13	1	ANTIMONY	N	3	2004	1.1	UG/L	U
AC304A04	A	C30	13	1	ANTIMONY	N	4	2004	1.1	UG/L	U
ASPA1A04	A	SPA	14	1	ANTIMONY	N	1	2004	1.1	UG/L	U
ASPA2A04	A	SPA	14	1	ANTIMONY	N	2	2004	2.2	UG/L	U
ASPA3A04	A	SPA	14	1	ANTIMONY	N	3	2004	1.1	UG/L	U
ASPA4A04	A	SPA	14	1	ANTIMONY	N	4	2004	1.1	UG/L	U
ASPC1A04	A	SPC	15	1	ANTIMONY	N	1	2004	1.1	UG/L	U
FD03030401	A	SPC	15	1	ANTIMONY	N	1	2004	1.1	UG/L	U
ASPC2A04	A	SPC	15	1	ANTIMONY	N	2	2004	2.2	UG/L	U
FD06290401	A	SPC	15	1	ANTIMONY	N	2	2004	2.2	UG/L	U
ASPC3A04	A	SPC	15	1	ANTIMONY	N	3	2004	1.1	UG/L	U
ASPC4A04	A	SPC	15	1	ANTIMONY	N	4	2004	1.1	UG/L	U
AC02P21A04F	A	C02P2	1	1	ANTIMONY	Y	1	2004	1	UG/L	U
AC02P22A04F	A	C02P2	1	1	ANTIMONY	Y	2	2004	1	UG/L	U
AC02P23A04F	A	C02P2	1	1	ANTIMONY	Y	3	2004	1	UG/L	U
AC02P24A04F	A	C02P2	1	1	ANTIMONY	Y	4	2004	1	UG/L	U
AC031A04F	A	C03	2	1	ANTIMONY	Y	1	2004	1	UG/L	U
AC032A04F	A	C03	2	1	ANTIMONY	Y	2	2004	1	UG/L	U
AC033A04F	A	C03	2	1	ANTIMONY	Y	3	2004	1	UG/L	U
AC034A04F	A	C03	2	1	ANTIMONY	Y	4	2004	1	UG/L	U

Table 7.10. Raw Data for Antimony. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC041A04F	A	C04	3	1	ANTIMONY	Y	1	2004	1	UG/L	U
AC042A04F	A	C04	3	1	ANTIMONY	Y	2	2004	1	UG/L	U
AC043A04F	A	C04	3	1	ANTIMONY	Y	3	2004	1	UG/L	U
AC044A04F	A	C04	3	1	ANTIMONY	Y	4	2004	1	UG/L	U
AC071A04F	A	C07	4	1	ANTIMONY	Y	1	2004	1	UG/L	U
AC072A04F	A	C07	4	1	ANTIMONY	Y	2	2004	1	UG/L	U
AC073A04F	A	C07	4	1	ANTIMONY	Y	3	2004	1	UG/L	U
AC074A04F	A	C07	1	1	ANTIMONY	Y	4	2004	1	UG/L	U
AC08P21A04F	A	C08P2	5	1	ANTIMONY	Y	1	2004	1	UG/L	U
AC08P22A04F	A	C08P2	5	1	ANTIMONY	Y	2	2004	1	UG/L	U
AC08P23A04F	A	C08P2	5	1	ANTIMONY	Y	3	2004	1	UG/L	U
AC08P24A04F	A	C08P2	5	1	ANTIMONY	Y	4	2004	1	UG/L	U
AC09P21A04F	A	C09P2	6	1	ANTIMONY	Y	1	2004	1	UG/L	U
FD03080401F	A	C09P2	6	1	ANTIMONY	Y	1	2004	1	UG/L	U
AC09P22A04F	A	C09P2	6	1	ANTIMONY	Y	2	2004	1	UG/L	U
AC09P23A04F	A	C09P2	6	1	ANTIMONY	Y	3	2004	1	UG/L	U
AC09P24A04F	A	C09P2	6	1	ANTIMONY	Y	4	2004	1	UG/L	U
FD12290402F	A	C09P2	6	1	ANTIMONY	Y	4	2004	1	UG/L	U
AC151A04F	A	C15	7	1	ANTIMONY	Y	1	2004	1	UG/L	U
AC152A04F	A	C15	7	1	ANTIMONY	Y	2	2004	1	UG/L	U
FD06210401F	A	C15	7	1	ANTIMONY	Y	2	2004	1	UG/L	U
AC153A04F	A	C15	7	1	ANTIMONY	Y	3	2004	1	UG/L	U
FD09200402F	A	C15	7	1	ANTIMONY	Y	3	2004	1	UG/L	U
AC154A04F	A	C15	7	1	ANTIMONY	Y	4	2004	1	UG/L	U
FD12160401F	A	C15	7	1	ANTIMONY	Y	4	2004	1	UG/L	U
AC171A04F	A	C17	8	1	ANTIMONY	Y	1	2004	1	UG/L	U
AC172A04F	A	C17	8	1	ANTIMONY	Y	2	2004	1	UG/L	U
AC173A04F	A	C17	8	1	ANTIMONY	Y	3	2004	1	UG/L	U
FD09200401F	A	C17	8	1	ANTIMONY	Y	3	2004	1	UG/L	U
AC201A04F	A	C20	9	1	ANTIMONY	Y	1	2004	1	UG/L	U
AC202B04F	A	C20	9	1	ANTIMONY	Y	2	2004	1	UG/L	U
AC203A04F	A	C20	9	1	ANTIMONY	Y	3	2004	1	UG/L	U
AC204A04F	A	C20	9	1	ANTIMONY	Y	4	2004	1	UG/L	U
AC251A04F	A	C25	10	1	ANTIMONY	Y	1	2004	1	UG/L	U
AC252A04F	A	C25	10	1	ANTIMONY	Y	2	2004	1	UG/L	U
AC253A04F	A	C25	10	1	ANTIMONY	Y	3	2004	1	UG/L	U
AC254A04F	A	C25	10	1	ANTIMONY	Y	4	2004	1	UG/L	U
AC261A04F	A	C26	11	1	ANTIMONY	Y	1	2004	1	UG/L	U
AC262A04F	A	C26	11	1	ANTIMONY	Y	2	2004	1	UG/L	U
AC263A04F	A	C26	11	1	ANTIMONY	Y	3	2004	1	UG/L	U
AC264A04F	A	C26	11	1	ANTIMONY	Y	4	2004	1	UG/L	U
AC271A04F	A	C27	12	1	ANTIMONY	Y	1	2004	1	UG/L	U
AC272A04F	A	C27	12	1	ANTIMONY	Y	2	2004	1	UG/L	U
AC273A04F	A	C27	12	1	ANTIMONY	Y	3	2004	1	UG/L	U

Table 7.10. Raw Data for Antimony. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC301A04F	A	C30	13	1	ANTIMONY	Y	1	2004	1	UG/L	U
AC302A04F	A	C30	13	1	ANTIMONY	Y	2	2004	1	UG/L	U
AC303A04F	A	C30	13	1	ANTIMONY	Y	3	2004	1	UG/L	U
AC304A04F	A	C30	13	1	ANTIMONY	Y	4	2004	1	UG/L	U
ASPA1A04F	A	SPA	14	1	ANTIMONY	Y	1	2004	1	UG/L	U
ASPA2A04F	A	SPA	14	1	ANTIMONY	Y	2	2004	1	UG/L	U
ASPA3A04F	A	SPA	14	1	ANTIMONY	Y	3	2004	1	UG/L	U
ASPA4A04F	A	SPA	14	1	ANTIMONY	Y	4	2004	1	UG/L	U
ASPC1A04F	A	SPC	15	1	ANTIMONY	Y	1	2004	1	UG/L	U
FD03030401F	A	SPC	15	1	ANTIMONY	Y	1	2004	1	UG/L	U
ASPC2A04F	A	SPC	15	1	ANTIMONY	Y	2	2004	1	UG/L	U
FD06290401F	A	SPC	15	1	ANTIMONY	Y	2	2004	1	UG/L	U
ASPC3A04F	A	SPC	15	1	ANTIMONY	Y	3	2004	1	UG/L	U
ASPC4A04F	A	SPC	15	1	ANTIMONY	Y	4	2004	1	UG/L	U
DC021A04	D	C02	1	1	ANTIMONY	N	1	2004	1.1	UG/L	U
DC023A04	D	C02	1	1	ANTIMONY	N	3	2004	1.1	UG/L	U
DC031A04	D	C03	2	1	ANTIMONY	N	1	2004	1.1	UG/L	U
DC033A04	D	C03	2	1	ANTIMONY	N	3	2004	1.1	UG/L	U
FD07210401	D	C03	2	1	ANTIMONY	N	3	2004	1.1	UG/L	U
DC041A04	D	C04	3	1	ANTIMONY	N	1	2004	1.1	UG/L	U
FD01140401	D	C04	3	1	ANTIMONY	N	1	2004	1.1	UG/L	U
DC043A04	D	C04	3	1	ANTIMONY	N	3	2004	1.1	UG/L	U
FD07150401	D	C04	3	1	ANTIMONY	N	3	2004	1.1	UG/L	U
DC051A04	D	C05	4	1	ANTIMONY	N	1	2004	1.1	UG/L	U
DC053A04	D	C05	4	1	ANTIMONY	N	3	2004	1.1	UG/L	U
DC061A04	D	C06	5	1	ANTIMONY	N	1	2004	1.1	UG/L	U
FD01080401	D	C06	5	1	ANTIMONY	N	1	2004	1.1	UG/L	U
DC063A04	D	C06	5	1	ANTIMONY	N	3	2004	1.1	UG/L	U
DC071A04	D	C07	6	1	ANTIMONY	N	1	2004	1.1	UG/L	U
DC073A04	D	C07	6	1	ANTIMONY	N	3	2004	1.1	UG/L	U
DC081A04	D	C08	7	1	ANTIMONY	N	1	2004	1.1	UG/L	U
DC083A04	D	C08	7	1	ANTIMONY	N	3	2004	1.1	UG/L	U
DC021A04F	D	C02	1	1	ANTIMONY	Y	1	2004	1	UG/L	U
DC023A04F	D	C02	1	1	ANTIMONY	Y	3	2004	1	UG/L	U
DC031A04F	D	C03	2	1	ANTIMONY	Y	1	2004	1	UG/L	U
DC033A04F	D	C03	2	1	ANTIMONY	Y	3	2004	1.1	UG/L	
FD07210401F	D	C03	2	1	ANTIMONY	Y	3	2004	1	UG/L	U
DC041A04F	D	C04	3	1	ANTIMONY	Y	1	2004	1	UG/L	U
FD01140401F	D	C04	3	1	ANTIMONY	Y	1	2004	1	UG/L	U
DC043A04F	D	C04	3	1	ANTIMONY	Y	3	2004	1	UG/L	U
FD07150401F	D	C04	3	1	ANTIMONY	Y	3	2004	1	UG/L	U
DC051A04F	D	C05	4	1	ANTIMONY	Y	1	2004	1	UG/L	U
DC053A04F	D	C05	4	1	ANTIMONY	Y	3	2004	1.3	UG/L	
DC061A04F	D	C06	5	1	ANTIMONY	Y	1	2004	1	UG/L	U

Table 7.10. Raw Data for Antimony. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
FD01080401F	D	C06	5	1	ANTIMONY	Y	1	2004	1	UG/L	U
DC063A04F	D	C06	5	1	ANTIMONY	Y	3	2004	1.7	UG/L	
DC071A04F	D	C07	6	1	ANTIMONY	Y	1	2004	1	UG/L	U
DC073A04F	D	C07	6	1	ANTIMONY	Y	3	2004	1	UG/L	U
DC081A04F	D	C08	7	1	ANTIMONY	Y	1	2004	1	UG/L	U
DC083A04F	D	C08	7	1	ANTIMONY	Y	3	2004	2.3	UG/L	
DC03P21A04	D	C03P2	1	2	ANTIMONY	N	1	2004	1.1	UG/L	U
DC03P23A04	D	C03P2	1	2	ANTIMONY	N	3	2004	1.1	UG/L	U
DC04P21A04	D	C04P2	2	2	ANTIMONY	N	1	2004	1.1	UG/L	U
DC04P23A04	D	C04P2	2	2	ANTIMONY	N	3	2004	1.1	UG/L	U
DC06P21A04	D	C06P2	3	2	ANTIMONY	N	1	2004	1.1	UG/L	U
DC06P23A04	D	C06P2	3	2	ANTIMONY	N	3	2004	1.1	UG/L	U
DC08P21A04	D	C08P2	4	2	ANTIMONY	N	1	2004	1.1	UG/L	U
DC08P23A04	D	C08P2	4	2	ANTIMONY	N	3	2004	1.1	UG/L	U
DC03P21A04F	D	C03P2	1	2	ANTIMONY	Y	1	2004	1.4	UG/L	
DC03P23A04F	D	C03P2	1	2	ANTIMONY	Y	3	2004	1.7	UG/L	
DC04P21A04F	D	C04P2	2	2	ANTIMONY	Y	1	2004	1	UG/L	U
DC04P23A04F	D	C04P2	2	2	ANTIMONY	Y	3	2004	1	UG/L	U
DC06P21A04F	D	C06P2	3	2	ANTIMONY	Y	1	2004	1	UG/L	U
DC06P23A04F	D	C06P2	3	2	ANTIMONY	Y	3	2004	1	UG/L	U
DC08P21A04F	D	C08P2	4	2	ANTIMONY	Y	1	2004	1	UG/L	U
DC08P23A04F	D	C08P2	4	2	ANTIMONY	Y	3	2004	1	UG/L	U
OC081A04	O	C08	1	1	ANTIMONY	N	1	2004	1.1	UG/L	U
OC082A04	O	C08	1	1	ANTIMONY	N	2	2004	1.1	UG/L	U
OC083A04	O	C08	1	1	ANTIMONY	N	3	2004	1.1	UG/L	U
OC084A04	O	C08	1	1	ANTIMONY	N	4	2004	1.1	UG/L	U
OC111A04	O	C11	2	1	ANTIMONY	N	1	2004	1.1	UG/L	U
OC112A04	O	C11	2	1	ANTIMONY	N	2	2004	1.1	UG/L	U
OC113A04	O	C11	2	1	ANTIMONY	N	3	2004	1.1	UG/L	U
OC114A04	O	C11	2	1	ANTIMONY	N	4	2004	1.1	UG/L	U
OC121A04	O	C12	3	1	ANTIMONY	N	1	2004	1.1	UG/L	U
OC122A04	O	C12	3	1	ANTIMONY	N	2	2004	1.1	UG/L	U
OC123A04	O	C12	3	1	ANTIMONY	N	3	2004	1.1	UG/L	U
OC124A04	O	C12	3	1	ANTIMONY	N	4	2004	1.1	UG/L	U
OC131A04	O	C13	4	1	ANTIMONY	N	1	2004	1.1	UG/L	U
OC132A04	O	C13	4	1	ANTIMONY	N	2	2004	1.1	UG/L	U
OC133A04	O	C13	4	1	ANTIMONY	N	3	2004	1.1	UG/L	U
OC134A04	O	C13	4	1	ANTIMONY	N	4	2004	1.1	UG/L	U
OC141A04	O	C14	5	1	ANTIMONY	N	1	2004	1.1	UG/L	U
OC142A04	O	C14	5	1	ANTIMONY	N	2	2004	1.1	UG/L	U
OC143A04	O	C14	5	1	ANTIMONY	N	3	2004	1.1	UG/L	U
OC144A04	O	C14	5	1	ANTIMONY	N	4	2004	1.1	UG/L	U
OC151A04	O	C15	6	1	ANTIMONY	N	1	2004	1.1	UG/L	U
FD02100401	O	C15	6	1	ANTIMONY	N	1	2004	1.1	UG/L	U

Table 7.10. Raw Data for Antimony. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
OC152A04	O	C15	6	1	ANTIMONY	N	2	2004	1.1	UG/L	U
FD05170401	O	C15	6	1	ANTIMONY	N	2	2004	1.1	UG/L	U
OC153A04	O	C15	6	1	ANTIMONY	N	3	2004	1.1	UG/L	U
FD08170401	O	C15	6	1	ANTIMONY	N	3	2004	1.1	UG/L	U
OC154A04	O	C15	6	1	ANTIMONY	N	4	2004	1.1	UG/L	U
FD11160401	O	C15	6	1	ANTIMONY	N	4	2004	1.1	UG/L	U
OC161A04	O	C16	7	1	ANTIMONY	N	1	2004	1.1	UG/L	U
FD02110401	O	C16	7	1	ANTIMONY	N	1	2004	1.1	UG/L	U
OC162A04	O	C16	7	1	ANTIMONY	N	2	2004	1.1	UG/L	U
FD05030401	O	C16	7	1	ANTIMONY	N	2	2004	1.1	UG/L	U
OC163A04	O	C16	7	1	ANTIMONY	N	3	2004	1.1	UG/L	U
OC164A04	O	C16	7	1	ANTIMONY	N	4	2004	1.1	UG/L	U
FD11230402	O	C16	7	1	ANTIMONY	N	4	2004	1.1	UG/L	U
OC181A04	O	C18	8	1	ANTIMONY	N	1	2004	1.1	UG/L	U
OC182A04	O	C18	8	1	ANTIMONY	N	2	2004	1.1	UG/L	U
OC183A04	O	C18	8	1	ANTIMONY	N	3	2004	1.1	UG/L	U
OC184A04	O	C18	8	1	ANTIMONY	N	4	2004	1.1	UG/L	U
OC191A04	O	C19	9	1	ANTIMONY	N	1	2004	1.1	UG/L	U
OC192A04	O	C19	9	1	ANTIMONY	N	2	2004	1.1	UG/L	U
OC193A04	O	C19	9	1	ANTIMONY	N	3	2004	1.1	UG/L	U
FD09010401	O	C19	9	1	ANTIMONY	N	3	2004	1.1	UG/L	U
OC194A04	O	C19	9	1	ANTIMONY	N	4	2004	1.1	UG/L	U
OC081A04F	O	C08	1	1	ANTIMONY	Y	1	2004	1.2	UG/L	
OC082A04F	O	C08	1	1	ANTIMONY	Y	2	2004	1	UG/L	U
OC083A04F	O	C08	1	1	ANTIMONY	Y	3	2004	2.6	UG/L	
OC084A04F	O	C08	1	1	ANTIMONY	Y	4	2004	1	UG/L	U
OC111A04F	O	C11	2	1	ANTIMONY	Y	1	2004	1	UG/L	U
OC112A04F	O	C11	2	1	ANTIMONY	Y	2	2004	1.3	UG/L	
OC113A04F	O	C11	2	1	ANTIMONY	Y	3	2004	1	UG/L	U
OC114A04F	O	C11	2	1	ANTIMONY	Y	4	2004	1	UG/L	U
OC121A04F	O	C12	3	1	ANTIMONY	Y	1	2004	1.4	UG/L	
OC122A04F	O	C12	3	1	ANTIMONY	Y	2	2004	1.2	UG/L	
OC123A04F	O	C12	3	1	ANTIMONY	Y	3	2004	1.5	UG/L	
OC124A04F	O	C12	3	1	ANTIMONY	Y	4	2004	1	UG/L	U
OC131A04F	O	C13	4	1	ANTIMONY	Y	1	2004	1	UG/L	U
OC132A04F	O	C13	4	1	ANTIMONY	Y	2	2004	1.8	UG/L	
OC133A04F	O	C13	4	1	ANTIMONY	Y	3	2004	1	UG/L	U
OC134A04F	O	C13	4	1	ANTIMONY	Y	4	2004	2.4	UG/L	
OC141A04F	O	C14	5	1	ANTIMONY	Y	1	2004	1	UG/L	
OC142A04F	O	C14	5	1	ANTIMONY	Y	2	2004	1.4	UG/L	
OC143A04F	O	C14	5	1	ANTIMONY	Y	3	2004	1.5	UG/L	
OC144A04F	O	C14	5	1	ANTIMONY	Y	4	2004	1	UG/L	U
OC151A04F	O	C15	6	1	ANTIMONY	Y	1	2004	1	UG/L	U
FD02100401F	O	C15	6	1	ANTIMONY	Y	1	2004	1	UG/L	U

Table 7.10. Raw Data for Antimony. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
OC152A04F	O	C15	6	1	ANTIMONY	Y	2	2004	1	UG/L	
FD05170401F	O	C15	6	1	ANTIMONY	Y	2	2004	1	UG/L	U
OC153A04F	O	C15	6	1	ANTIMONY	Y	3	2004	1.6	UG/L	
FD08170401F	O	C15	6	1	ANTIMONY	Y	3	2004	1	UG/L	U
OC154A04F	O	C15	6	1	ANTIMONY	Y	4	2004	1	UG/L	U
FD11160401F	O	C15	6	1	ANTIMONY	Y	4	2004	1	UG/L	U
OC161A04F	O	C16	7	1	ANTIMONY	Y	1	2004	1.3	UG/L	
FD02110401F	O	C16	7	1	ANTIMONY	Y	1	2004	1	UG/L	U
OC162A04F	O	C16	7	1	ANTIMONY	Y	2	2004	1.2	UG/L	
FD05030401F	O	C16	7	1	ANTIMONY	Y	2	2004	1	UG/L	U
OC163A04F	O	C16	7	1	ANTIMONY	Y	3	2004	1	UG/L	U
OC164A04F	O	C16	7	1	ANTIMONY	Y	4	2004	1	UG/L	U
FD11230402F	O	C16	7	1	ANTIMONY	Y	4	2004	1	UG/L	U
OC181A04F	O	C18	8	1	ANTIMONY	Y	1	2004	1	UG/L	U
OC182A04F	O	C18	8	1	ANTIMONY	Y	2	2004	1	UG/L	U
OC183A04F	O	C18	8	1	ANTIMONY	Y	3	2004	1.6	UG/L	
OC184A04F	O	C18	8	1	ANTIMONY	Y	4	2004	2.6	UG/L	
OC191A04F	O	C19	9	1	ANTIMONY	Y	1	2004	1	UG/L	U
OC192A04F	O	C19	9	1	ANTIMONY	Y	2	2004	1.4	UG/L	
OC193A04F	O	C19	9	1	ANTIMONY	Y	3	2004	1.2	UG/L	
FD09010401F	O	C19	9	1	ANTIMONY	Y	3	2004	1	UG/L	U
OC194A04F	O	C19	9	1	ANTIMONY	Y	4	2004	1	UG/L	U
OC11P21A04	O	C11P2	1	2	ANTIMONY	N	1	2004	1.1	UG/L	U
OC11P22A04	O	C11P2	1	2	ANTIMONY	N	2	2004	1.1	UG/L	U
OC11P23A04	O	C11P2	1	2	ANTIMONY	N	3	2004	1.1	UG/L	U
OC11P24A04	O	C11P2	1	2	ANTIMONY	N	4	2004	1.1	UG/L	U
OC13P21A04	O	C13P2	2	2	ANTIMONY	N	1	2004	1.1	UG/L	U
OC13P22A04	O	C13P2	2	2	ANTIMONY	N	2	2004	1.1	UG/L	U
OC13P23A04	O	C13P2	2	2	ANTIMONY	N	3	2004	1.1	UG/L	U
OC13P24A04	O	C13P2	2	2	ANTIMONY	N	4	2004	1.1	UG/L	U
OC14P21A04	O	C14P2	3	2	ANTIMONY	N	1	2004	1.1	UG/L	U
OC14P22A04	O	C14P2	3	2	ANTIMONY	N	2	2004	1.1	UG/L	U
OC14P23A04	O	C14P2	3	2	ANTIMONY	N	3	2004	1.1	UG/L	U
OC14P24A04	O	C14P2	3	2	ANTIMONY	N	4	2004	1.1	UG/L	U
OC18P21A04	O	C18P2	4	2	ANTIMONY	N	1	2004	1.1	UG/L	U
OC18P22A04	O	C18P2	4	2	ANTIMONY	N	2	2004	1.1	UG/L	U
OC18P23A04	O	C18P2	4	2	ANTIMONY	N	3	2004	1.1	UG/L	U
OC18P24A04	O	C18P2	4	2	ANTIMONY	N	4	2004	1.1	UG/L	U
OC19P21A04	O	C19P2	5	2	ANTIMONY	N	1	2004	1.1	UG/L	U
OC19P22A04	O	C19P2	5	2	ANTIMONY	N	2	2004	1.1	UG/L	U
OC19P23A04	O	C19P2	5	2	ANTIMONY	N	3	2004	1.1	UG/L	U
OC19P24A04	O	C19P2	5	2	ANTIMONY	N	4	2004	1.1	UG/L	U
OC11P21A04F	O	C11P2	1	2	ANTIMONY	Y	1	2004	1	UG/L	U
OC11P22A04F	O	C11P2	1	2	ANTIMONY	Y	2	2004	1.5	UG/L	

Table 7.10. Raw Data for Antimony. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
OC11P23A04F	O	C11P2	1	2	ANTIMONY	Y	3	2004	1.7	UG/L	
OC11P24A04F	O	C11P2	1	2	ANTIMONY	Y	4	2004	1	UG/L	U
OC13P21A04F	O	C13P2	2	2	ANTIMONY	Y	1	2004	1	UG/L	U
OC13P22A04F	O	C13P2	2	2	ANTIMONY	Y	2	2004	1	UG/L	U
OC13P23A04F	O	C13P2	2	2	ANTIMONY	Y	3	2004	1	UG/L	U
OC13P24A04F	O	C13P2	2	2	ANTIMONY	Y	4	2004	1	UG/L	U
OC14P21A04F	O	C14P2	3	2	ANTIMONY	Y	1	2004	1.2	UG/L	
OC14P22A04F	O	C14P2	3	2	ANTIMONY	Y	2	2004	1.3	UG/L	
OC14P23A04F	O	C14P2	3	2	ANTIMONY	Y	3	2004	1.8	UG/L	
OC14P24A04F	O	C14P2	3	2	ANTIMONY	Y	4	2004	1	UG/L	U
OC18P21A04F	O	C18P2	4	2	ANTIMONY	Y	1	2004	1.3	UG/L	
OC18P22A04F	O	C18P2	4	2	ANTIMONY	Y	2	2004	1.6	UG/L	
OC18P23A04F	O	C18P2	4	2	ANTIMONY	Y	3	2004	1	UG/L	U
OC18P24A04F	O	C18P2	4	2	ANTIMONY	Y	4	2004	1	UG/L	U
OC19P21A04F	O	C19P2	5	2	ANTIMONY	Y	1	2004	1	UG/L	U
OC19P22A04F	O	C19P2	5	2	ANTIMONY	Y	2	2004	1.3	UG/L	
OC19P23A04F	O	C19P2	5	2	ANTIMONY	Y	3	2004	1.7	UG/L	
OC19P24A04F	O	C19P2	5	2	ANTIMONY	Y	4	2004	1	UG/L	U

Table 7.11. Raw Data for Arsenic.

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC02P21A04	A	C02P2	1	1	ARSENIC	N	1	2004	1.1	UG/L	U
AC02P22A04	A	C02P2	1	1	ARSENIC	N	2	2004	1.1	UG/L	U
AC02P23A04	A	C02P2	1	1	ARSENIC	N	3	2004	1.1	UG/L	U
AC02P24A04	A	C02P2	1	1	ARSENIC	N	4	2004	1.1	UG/L	U
AC031A04	A	C03	2	1	ARSENIC	N	1	2004	1.1	UG/L	U
AC032A04	A	C03	2	1	ARSENIC	N	2	2004	1.1	UG/L	U
AC033A04	A	C03	2	1	ARSENIC	N	3	2004	1.1	UG/L	U
AC034A04	A	C03	2	1	ARSENIC	N	4	2004	1.1	UG/L	U
AC041A04	A	C04	3	1	ARSENIC	N	1	2004	1.1	UG/L	U
AC042A04	A	C04	3	1	ARSENIC	N	2	2004	1.1	UG/L	U
AC043A04	A	C04	3	1	ARSENIC	N	3	2004	1.1	UG/L	U
AC044A04	A	C04	3	1	ARSENIC	N	4	2004	1.1	UG/L	U
AC071A04	A	C07	4	1	ARSENIC	N	1	2004	1.1	UG/L	U
AC072A04	A	C07	4	1	ARSENIC	N	2	2004	1.1	UG/L	U
AC073A04	A	C07	4	1	ARSENIC	N	3	2004	1.1	UG/L	U
AC074A04	A	C07	4	1	ARSENIC	N	4	2004	1.1	UG/L	U
AC08P21A04	A	C08P2	5	1	ARSENIC	N	1	2004	1.1	UG/L	U
AC08P22A04	A	C08P2	5	1	ARSENIC	N	2	2004	1.1	UG/L	U
AC08P23A04	A	C08P2	5	1	ARSENIC	N	3	2004	1.1	UG/L	U
AC08P24A04	A	C08P2	5	1	ARSENIC	N	4	2004	1.1	UG/L	U
AC09P21A04	A	C09P2	6	1	ARSENIC	N	1	2004	2.5	UG/L	
FD03080401	A	C09P2	6	1	ARSENIC	N	1	2004	2.4	UG/L	

Table 7.11. Raw Data for Arsenic. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC09P22A04	A	C09P2	6	1	ARSENIC	N	2	2004	2.7	UG/L	
AC09P23A04	A	C09P2	6	1	ARSENIC	N	3	2004	2.2	UG/L	
AC09P24A04	A	C09P2	6	1	ARSENIC	N	4	2004	3.2	UG/L	
FD12290402	A	C09P2	6	1	ARSENIC	N	4	2004	3.2	UG/L	
AC151A04	A	C15	7	1	ARSENIC	N	1	2004	1.1	UG/L	U
AC152A04	A	C15	7	1	ARSENIC	N	2	2004	1.1	UG/L	U
FD06210401	A	C15	7	1	ARSENIC	N	2	2004	1.1	UG/L	U
AC153A04	A	C15	7	1	ARSENIC	N	3	2004	1.1	UG/L	U
FD09200402	A	C15	7	1	ARSENIC	N	3	2004	1.1	UG/L	U
AC154A04	A	C15	7	1	ARSENIC	N	4	2004	1.1	UG/L	U
FD12160401	A	C15	7	1	ARSENIC	N	4	2004	1.1	UG/L	U
AC171A04	A	C17	8	1	ARSENIC	N	1	2004	2.2	UG/L	
AC172A04	A	C17	8	1	ARSENIC	N	2	2004	2.1	UG/L	
AC173A04	A	C17	8	1	ARSENIC	N	3	2004	2.2	UG/L	
FD09200401	A	C17	8	1	ARSENIC	N	3	2004	2.2	UG/L	
AC201A04	A	C20	9	1	ARSENIC	N	1	2004	1.1	UG/L	U
AC202B04	A	C20	9	1	ARSENIC	N	2	2004	1.1	UG/L	U
AC203A04	A	C20	9	1	ARSENIC	N	3	2004	1.1	UG/L	U
AC204A04	A	C20	9	1	ARSENIC	N	4	2004	1.1	UG/L	U
AC251A04	A	C25	10	1	ARSENIC	N	1	2004	1.1	UG/L	U
AC252A04	A	C25	10	1	ARSENIC	N	2	2004	1.1	UG/L	U
AC253A04	A	C25	10	1	ARSENIC	N	3	2004	1.1	UG/L	U
AC254A04	A	C25	10	1	ARSENIC	N	4	2004	1.1	UG/L	U
AC261A04	A	C26	11	1	ARSENIC	N	1	2004	1.1	UG/L	U
AC262A04	A	C26	11	1	ARSENIC	N	2	2004	1.1	UG/L	U
AC263A04	A	C26	11	1	ARSENIC	N	3	2004	1.1	UG/L	U
AC264A04	A	C26	11	1	ARSENIC	N	4	2004	1.1	UG/L	U
AC271A04	A	C27	12	1	ARSENIC	N	1	2004	1.1	UG/L	U
AC272A04	A	C27	12	1	ARSENIC	N	2	2004	1.1	UG/L	U
AC273A04	A	C27	12	1	ARSENIC	N	3	2004	1.1	UG/L	U
AC301A04	A	C30	13	1	ARSENIC	N	1	2004	1.1	UG/L	U
AC302A04	A	C30	13	1	ARSENIC	N	2	2004	1.1	UG/L	U
AC303A04	A	C30	13	1	ARSENIC	N	3	2004	1.1	UG/L	U
AC304A04	A	C30	13	1	ARSENIC	N	4	2004	1.1	UG/L	U
ASPA1A04	A	SPA	14	1	ARSENIC	N	1	2004	1.1	UG/L	U
ASPA2A04	A	SPA	14	1	ARSENIC	N	2	2004	1.1	UG/L	U
ASPA3A04	A	SPA	14	1	ARSENIC	N	3	2004	1.1	UG/L	U
ASPA4A04	A	SPA	14	1	ARSENIC	N	4	2004	1.1	UG/L	U
ASPC1A04	A	SPC	15	1	ARSENIC	N	1	2004	1.1	UG/L	U
FD03030401	A	SPC	15	1	ARSENIC	N	1	2004	1.1	UG/L	U
ASPC2A04	A	SPC	15	1	ARSENIC	N	2	2004	1.1	UG/L	U
FD06290401	A	SPC	15	1	ARSENIC	N	2	2004	1.1	UG/L	U
ASPC3A04	A	SPC	15	1	ARSENIC	N	3	2004	1.1	UG/L	U
ASPC4A04	A	SPC	15	1	ARSENIC	N	4	2004	1.1	UG/L	U

Table 7.11. Raw Data for Arsenic. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC02P21A04F	A	C02P2	1	1	ARSENIC	Y	1	2004	1	UG/L	U
AC02P22A04F	A	C02P2	1	1	ARSENIC	Y	2	2004	1	UG/L	UN
AC02P23A04F	A	C02P2	1	1	ARSENIC	Y	3	2004	1	UG/L	U
AC02P24A04F	A	C02P2	1	1	ARSENIC	Y	4	2004	1	UG/L	U
AC031A04F	A	C03	2	1	ARSENIC	Y	1	2004	1	UG/L	U
AC032A04F	A	C03	2	1	ARSENIC	Y	2	2004	1	UG/L	UN
AC033A04F	A	C03	2	1	ARSENIC	Y	3	2004	1	UG/L	U
AC034A04F	A	C03	2	1	ARSENIC	Y	4	2004	1	UG/L	U
AC041A04F	A	C04	3	1	ARSENIC	Y	1	2004	1	UG/L	U
AC042A04F	A	C04	3	1	ARSENIC	Y	2	2004	1	UG/L	UN
AC043A04F	A	C04	3	1	ARSENIC	Y	3	2004	1	UG/L	U
AC044A04F	A	C04	3	1	ARSENIC	Y	4	2004	1	UG/L	U
AC071A04F	A	C07	4	1	ARSENIC	Y	1	2004	1	UG/L	U
AC072A04F	A	C07	4	1	ARSENIC	Y	2	2004	1	UG/L	UN
AC073A04F	A	C07	4	1	ARSENIC	Y	3	2004	1	UG/L	U
AC074A04F	A	C07	1	1	ARSENIC	Y	4	2004	1	UG/L	U
AC08P21A04F	A	C08P2	5	1	ARSENIC	Y	1	2004	1	UG/L	U
AC08P22A04F	A	C08P2	5	1	ARSENIC	Y	2	2004	1	UG/L	UN
AC08P23A04F	A	C08P2	5	1	ARSENIC	Y	3	2004	1	UG/L	U
AC08P24A04F	A	C08P2	5	1	ARSENIC	Y	4	2004	1	UG/L	U
AC09P21A04F	A	C09P2	6	1	ARSENIC	Y	1	2004	1	UG/L	U
FD03080401F	A	C09P2	6	1	ARSENIC	Y	1	2004	1	UG/L	U
AC09P22A04F	A	C09P2	6	1	ARSENIC	Y	2	2004	1	UG/L	UN
AC09P23A04F	A	C09P2	6	1	ARSENIC	Y	3	2004	1	UG/L	U
AC09P24A04F	A	C09P2	6	1	ARSENIC	Y	4	2004	1	UG/L	U
FD12290402F	A	C09P2	6	1	ARSENIC	Y	4	2004	1	UG/L	U
AC151A04F	A	C15	7	1	ARSENIC	Y	1	2004	1	UG/L	U
AC152A04F	A	C15	7	1	ARSENIC	Y	2	2004	1	UG/L	UN
FD06210401F	A	C15	7	1	ARSENIC	Y	2	2004	1	UG/L	UN
AC153A04F	A	C15	7	1	ARSENIC	Y	3	2004	1	UG/L	U
FD09200402F	A	C15	7	1	ARSENIC	Y	3	2004	1	UG/L	U
AC154A04F	A	C15	7	1	ARSENIC	Y	4	2004	1	UG/L	U
FD12160401F	A	C15	7	1	ARSENIC	Y	4	2004	1	UG/L	U
AC171A04F	A	C17	8	1	ARSENIC	Y	1	2004	2	UG/L	
AC172A04F	A	C17	8	1	ARSENIC	Y	2	2004	1.3	UG/L	N
AC173A04F	A	C17	8	1	ARSENIC	Y	3	2004	1.6	UG/L	
FD09200401F	A	C17	8	1	ARSENIC	Y	3	2004	1.6	UG/L	
AC201A04F	A	C20	9	1	ARSENIC	Y	1	2004	1	UG/L	U
AC202B04F	A	C20	9	1	ARSENIC	Y	2	2004	1	UG/L	UN
AC203A04F	A	C20	9	1	ARSENIC	Y	3	2004	1	UG/L	U
AC204A04F	A	C20	9	1	ARSENIC	Y	4	2004	1	UG/L	U
AC251A04F	A	C25	10	1	ARSENIC	Y	1	2004	1	UG/L	U
AC252A04F	A	C25	10	1	ARSENIC	Y	2	2004	1	UG/L	UN
AC253A04F	A	C25	10	1	ARSENIC	Y	3	2004	1	UG/L	U

Table 7.11. Raw Data for Arsenic. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC254A04F	A	C25	10	1	ARSENIC	Y	4	2004	1	UG/L	U
AC261A04F	A	C26	11	1	ARSENIC	Y	1	2004	1	UG/L	U
AC262A04F	A	C26	11	1	ARSENIC	Y	2	2004	1	UG/L	UN
AC263A04F	A	C26	11	1	ARSENIC	Y	3	2004	1	UG/L	U
AC264A04F	A	C26	11	1	ARSENIC	Y	4	2004	1	UG/L	U
AC271A04F	A	C27	12	1	ARSENIC	Y	1	2004	1	UG/L	U
AC272A04F	A	C27	12	1	ARSENIC	Y	2	2004	1	UG/L	UN
AC273A04F	A	C27	12	1	ARSENIC	Y	3	2004	1	UG/L	U
AC301A04F	A	C30	13	1	ARSENIC	Y	1	2004	1	UG/L	U
AC302A04F	A	C30	13	1	ARSENIC	Y	2	2004	1	UG/L	UN
AC303A04F	A	C30	13	1	ARSENIC	Y	3	2004	1	UG/L	U
AC304A04F	A	C30	13	1	ARSENIC	Y	4	2004	1	UG/L	U
ASPA1A04F	A	SPA	14	1	ARSENIC	Y	1	2004	1	UG/L	U
ASPA2A04F	A	SPA	14	1	ARSENIC	Y	2	2004	1	UG/L	UN
ASPA3A04F	A	SPA	14	1	ARSENIC	Y	3	2004	1	UG/L	U
ASPA4A04F	A	SPA	14	1	ARSENIC	Y	4	2004	1	UG/L	U
ASPC1A04F	A	SPC	15	1	ARSENIC	Y	1	2004	1	UG/L	U
FD03030401F	A	SPC	15	1	ARSENIC	Y	1	2004	1	UG/L	U
ASPC2A04F	A	SPC	15	1	ARSENIC	Y	2	2004	1	UG/L	UN
FD06290401F	A	SPC	15	1	ARSENIC	Y	2	2004	1	UG/L	UN
ASPC3A04F	A	SPC	15	1	ARSENIC	Y	3	2004	1	UG/L	U
ASPC4A04F	A	SPC	15	1	ARSENIC	Y	4	2004	1	UG/L	U
DC021A04	D	C02	1	1	ARSENIC	N	1	2004	1.1	UG/L	U
DC023A04	D	C02	1	1	ARSENIC	N	3	2004	1.1	UG/L	U
DC031A04	D	C03	2	1	ARSENIC	N	1	2004	16.2	UG/L	
DC033A04	D	C03	2	1	ARSENIC	N	3	2004	13.6	UG/L	
FD07210401	D	C03	2	1	ARSENIC	N	3	2004	15.7	UG/L	
DC041A04	D	C04	3	1	ARSENIC	N	1	2004	1.1	UG/L	U
FD01140401	D	C04	3	1	ARSENIC	N	1	2004	1.1	UG/L	U
DC043A04	D	C04	3	1	ARSENIC	N	3	2004	1.1	UG/L	U
FD07150401	D	C04	3	1	ARSENIC	N	3	2004	1.1	UG/L	U
DC051A04	D	C05	4	1	ARSENIC	N	1	2004	1.1	UG/L	U
DC053A04	D	C05	4	1	ARSENIC	N	3	2004	1.1	UG/L	U
DC061A04	D	C06	5	1	ARSENIC	N	1	2004	1.1	UG/L	U
FD01080401	D	C06	5	1	ARSENIC	N	1	2004	1.1	UG/L	U
DC063A04	D	C06	5	1	ARSENIC	N	3	2004	1.1	UG/L	U
DC071A04	D	C07	6	1	ARSENIC	N	1	2004	1.1	UG/L	U
DC073A04	D	C07	6	1	ARSENIC	N	3	2004	1.1	UG/L	U
DC081A04	D	C08	7	1	ARSENIC	N	1	2004	1.1	UG/L	U
DC083A04	D	C08	7	1	ARSENIC	N	3	2004	1.1	UG/L	U
DC021A04F	D	C02	1	1	ARSENIC	Y	1	2004	1	UG/L	UEJ
DC023A04F	D	C02	1	1	ARSENIC	Y	3	2004	1	UG/L	U
DC031A04F	D	C03	2	1	ARSENIC	Y	1	2004	20.7	UG/L	EJ
DC033A04F	D	C03	2	1	ARSENIC	Y	3	2004	18	UG/L	

Table 7.11. Raw Data for Arsenic. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
FD07210401F	D	C03	2	1	ARSENIC	Y	3	2004	18.5	UG/L	
DC041A04F	D	C04	3	1	ARSENIC	Y	1	2004	1	UG/L	UEJ
FD01140401F	D	C04	3	1	ARSENIC	Y	1	2004	1	UG/L	UEJ
DC043A04F	D	C04	3	1	ARSENIC	Y	3	2004	1	UG/L	U
FD07150401F	D	C04	3	1	ARSENIC	Y	3	2004	1	UG/L	U
DC051A04F	D	C05	4	1	ARSENIC	Y	1	2004	1	UG/L	UEJ
DC053A04F	D	C05	4	1	ARSENIC	Y	3	2004	1	UG/L	U
DC061A04F	D	C06	5	1	ARSENIC	Y	1	2004	1	UG/L	UEJ
FD01080401F	D	C06	5	1	ARSENIC	Y	1	2004	1	UG/L	UEJ
DC063A04F	D	C06	5	1	ARSENIC	Y	3	2004	1	UG/L	U
DC071A04F	D	C07	6	1	ARSENIC	Y	1	2004	1	UG/L	UEJ
DC073A04F	D	C07	6	1	ARSENIC	Y	3	2004	1	UG/L	U
DC081A04F	D	C08	7	1	ARSENIC	Y	1	2004	1	UG/L	UEJ
DC083A04F	D	C08	7	1	ARSENIC	Y	3	2004	1	UG/L	U
DC03P21A04	D	C03P2	1	2	ARSENIC	N	1	2004	1.1	UG/L	U
DC03P23A04	D	C03P2	1	2	ARSENIC	N	3	2004	1.1	UG/L	U
DC04P21A04	D	C04P2	2	2	ARSENIC	N	1	2004	1.1	UG/L	U
DC04P23A04	D	C04P2	2	2	ARSENIC	N	3	2004	1.1	UG/L	U
DC06P21A04	D	C06P2	3	2	ARSENIC	N	1	2004	1.1	UG/L	U
DC06P23A04	D	C06P2	3	2	ARSENIC	N	3	2004	1.1	UG/L	U
DC08P21A04	D	C08P2	4	2	ARSENIC	N	1	2004	1.2	UG/L	
DC08P23A04	D	C08P2	4	2	ARSENIC	N	3	2004	1.2	UG/L	
DC03P21A04F	D	C03P2	1	2	ARSENIC	Y	1	2004	1	UG/L	UEJ
DC03P23A04F	D	C03P2	1	2	ARSENIC	Y	3	2004	1	UG/L	U
DC04P21A04F	D	C04P2	2	2	ARSENIC	Y	1	2004	1	UG/L	UEJ
DC04P23A04F	D	C04P2	2	2	ARSENIC	Y	3	2004	1	UG/L	U
DC06P21A04F	D	C06P2	3	2	ARSENIC	Y	1	2004	1	UG/L	UEJ
DC06P23A04F	D	C06P2	3	2	ARSENIC	Y	3	2004	1	UG/L	U
DC08P21A04F	D	C08P2	4	2	ARSENIC	Y	1	2004	1.6	UG/L	EJ
DC08P23A04F	D	C08P2	4	2	ARSENIC	Y	3	2004	1.2	UG/L	
OC081A04	O	C08	1	1	ARSENIC	N	1	2004	1.1	UG/L	U
OC082A04	O	C08	1	1	ARSENIC	N	2	2004	1.1	UG/L	U
OC083A04	O	C08	1	1	ARSENIC	N	3	2004	1.1	UG/L	U
OC084A04	O	C08	1	1	ARSENIC	N	4	2004	1.1	UG/L	U
OC111A04	O	C11	2	1	ARSENIC	N	1	2004	1.2	UG/L	
OC112A04	O	C11	2	1	ARSENIC	N	2	2004	1.1	UG/L	
OC113A04	O	C11	2	1	ARSENIC	N	3	2004	1.3	UG/L	
OC114A04	O	C11	2	1	ARSENIC	N	4	2004	1.3	UG/L	
OC121A04	O	C12	3	1	ARSENIC	N	1	2004	1.1	UG/L	U
OC122A04	O	C12	3	1	ARSENIC	N	2	2004	1.1	UG/L	U
OC123A04	O	C12	3	1	ARSENIC	N	3	2004	1.1	UG/L	U
OC124A04	O	C12	3	1	ARSENIC	N	4	2004	1.1	UG/L	U
OC131A04	O	C13	4	1	ARSENIC	N	1	2004	44.5	UG/L	
OC132A04	O	C13	4	1	ARSENIC	N	2	2004	36.4	UG/L	

Table 7.11. Raw Data for Arsenic. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
OC133A04	O	C13	4	1	ARSENIC	N	3	2004	41.4	UG/L	
OC134A04	O	C13	4	1	ARSENIC	N	4	2004	45.2	UG/L	
OC141A04	O	C14	5	1	ARSENIC	N	1	2004	1.4	UG/L	
OC142A04	O	C14	5	1	ARSENIC	N	2	2004	2.4	UG/L	
OC143A04	O	C14	5	1	ARSENIC	N	3	2004	1.2	UG/L	
OC144A04	O	C14	5	1	ARSENIC	N	4	2004	1.1	UG/L	U
OC151A04	O	C15	6	1	ARSENIC	N	1	2004	1.1	UG/L	U
FD02100401	O	C15	6	1	ARSENIC	N	1	2004	1.1	UG/L	U
OC152A04	O	C15	6	1	ARSENIC	N	2	2004	1.1	UG/L	U
FD05170401	O	C15	6	1	ARSENIC	N	2	2004	1.1	UG/L	U
OC153A04	O	C15	6	1	ARSENIC	N	3	2004	1.1	UG/L	U
FD08170401	O	C15	6	1	ARSENIC	N	3	2004	1.1	UG/L	U
OC154A04	O	C15	6	1	ARSENIC	N	4	2004	1.1	UG/L	U
FD11160401	O	C15	6	1	ARSENIC	N	4	2004	1.1	UG/L	U
OC161A04	O	C16	7	1	ARSENIC	N	1	2004	1.1	UG/L	U
FD02110401	O	C16	7	1	ARSENIC	N	1	2004	1.1	UG/L	U
OC162A04	O	C16	7	1	ARSENIC	N	2	2004	1.1	UG/L	U
FD05030401	O	C16	7	1	ARSENIC	N	2	2004	1.1	UG/L	U
OC163A04	O	C16	7	1	ARSENIC	N	3	2004	1.1	UG/L	U
OC164A04	O	C16	7	1	ARSENIC	N	4	2004	1.1	UG/L	U
FD11230402	O	C16	7	1	ARSENIC	N	4	2004	1.1	UG/L	U
OC181A04	O	C18	8	1	ARSENIC	N	1	2004	2.5	UG/L	
OC182A04	O	C18	8	1	ARSENIC	N	2	2004	2.5	UG/L	
OC183A04	O	C18	8	1	ARSENIC	N	3	2004	2.5	UG/L	
OC184A04	O	C18	8	1	ARSENIC	N	4	2004	2.2	UG/L	
OC191A04	O	C19	9	1	ARSENIC	N	1	2004	1.2	UG/L	
OC192A04	O	C19	9	1	ARSENIC	N	2	2004	1.7	UG/L	
OC193A04	O	C19	9	1	ARSENIC	N	3	2004	1.5	UG/L	
FD09010401	O	C19	9	1	ARSENIC	N	3	2004	1.4	UG/L	
OC194A04	O	C19	9	1	ARSENIC	N	4	2004	1.3	UG/L	
OC081A04F	O	C08	1	1	ARSENIC	Y	1	2004	1	UG/L	U
OC082A04F	O	C08	1	1	ARSENIC	Y	2	2004	1	UG/L	U
OC083A04F	O	C08	1	1	ARSENIC	Y	3	2004	1	UG/L	U
OC084A04F	O	C08	1	1	ARSENIC	Y	4	2004	1	UG/L	U
OC111A04F	O	C11	2	1	ARSENIC	Y	1	2004	1	UG/L	
OC112A04F	O	C11	2	1	ARSENIC	Y	2	2004	1.1	UG/L	
OC113A04F	O	C11	2	1	ARSENIC	Y	3	2004	1.1	UG/L	
OC114A04F	O	C11	2	1	ARSENIC	Y	4	2004	1.1	UG/L	
OC121A04F	O	C12	3	1	ARSENIC	Y	1	2004	1	UG/L	U
OC122A04F	O	C12	3	1	ARSENIC	Y	2	2004	1	UG/L	U
OC123A04F	O	C12	3	1	ARSENIC	Y	3	2004	1	UG/L	U
OC124A04F	O	C12	3	1	ARSENIC	Y	4	2004	1	UG/L	U
OC131A04F	O	C13	4	1	ARSENIC	Y	1	2004	55.3	UG/L	
OC132A04F	O	C13	4	1	ARSENIC	Y	2	2004	26.4	UG/L	

Table 7.11. Raw Data for Arsenic. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
OC133A04F	O	C13	4	1	ARSENIC	Y	3	2004	28.2	UG/L	
OC134A04F	O	C13	4	1	ARSENIC	Y	4	2004	35.6	UG/L	
OC141A04F	O	C14	5	1	ARSENIC	Y	1	2004	1	UG/L	U
OC142A04F	O	C14	5	1	ARSENIC	Y	2	2004	1	UG/L	U
OC143A04F	O	C14	5	1	ARSENIC	Y	3	2004	1	UG/L	U
OC144A04F	O	C14	5	1	ARSENIC	Y	4	2004	1	UG/L	U
OC151A04F	O	C15	6	1	ARSENIC	Y	1	2004	1	UG/L	U
FD02100401F	O	C15	6	1	ARSENIC	Y	1	2004	1	UG/L	U
OC152A04F	O	C15	6	1	ARSENIC	Y	2	2004	1	UG/L	U
FD05170401F	O	C15	6	1	ARSENIC	Y	2	2004	1	UG/L	U
OC153A04F	O	C15	6	1	ARSENIC	Y	3	2004	1	UG/L	U
FD08170401F	O	C15	6	1	ARSENIC	Y	3	2004	1	UG/L	U
OC154A04F	O	C15	6	1	ARSENIC	Y	4	2004	1	UG/L	U
FD11160401F	O	C15	6	1	ARSENIC	Y	4	2004	1	UG/L	U
OC161A04F	O	C16	7	1	ARSENIC	Y	1	2004	1	UG/L	U
FD02110401F	O	C16	7	1	ARSENIC	Y	1	2004	1	UG/L	U
OC162A04F	O	C16	7	1	ARSENIC	Y	2	2004	1	UG/L	U
FD05030401F	O	C16	7	1	ARSENIC	Y	2	2004	1	UG/L	U
OC163A04F	O	C16	7	1	ARSENIC	Y	3	2004	1	UG/L	U
OC164A04F	O	C16	7	1	ARSENIC	Y	4	2004	1	UG/L	U
FD11230402F	O	C16	7	1	ARSENIC	Y	4	2004	1	UG/L	U
OC181A04F	O	C18	8	1	ARSENIC	Y	1	2004	2.5	UG/L	
OC182A04F	O	C18	8	1	ARSENIC	Y	2	2004	2.1	UG/L	
OC183A04F	O	C18	8	1	ARSENIC	Y	3	2004	2.1	UG/L	
OC184A04F	O	C18	8	1	ARSENIC	Y	4	2004	2.6	UG/L	
OC191A04F	O	C19	9	1	ARSENIC	Y	1	2004	1.2	UG/L	
OC192A04F	O	C19	9	1	ARSENIC	Y	2	2004	1.3	UG/L	
OC193A04F	O	C19	9	1	ARSENIC	Y	3	2004	1.4	UG/L	
FD09010401F	O	C19	9	1	ARSENIC	Y	3	2004	1.3	UG/L	
OC194A04F	O	C19	9	1	ARSENIC	Y	4	2004	1.2	UG/L	
OC11P21A04	O	C11P2	1	2	ARSENIC	N	1	2004	2	UG/L	
OC11P22A04	O	C11P2	1	2	ARSENIC	N	2	2004	1.1	UG/L	U
OC11P23A04	O	C11P2	1	2	ARSENIC	N	3	2004	1.8	UG/L	
OC11P24A04	O	C11P2	1	2	ARSENIC	N	4	2004	1.7	UG/L	
OC13P21A04	O	C13P2	2	2	ARSENIC	N	1	2004	33	UG/L	
OC13P22A04	O	C13P2	2	2	ARSENIC	N	2	2004	32.7	UG/L	
OC13P23A04	O	C13P2	2	2	ARSENIC	N	3	2004	31.3	UG/L	
OC13P24A04	O	C13P2	2	2	ARSENIC	N	4	2004	34.4	UG/L	
OC14P21A04	O	C14P2	3	2	ARSENIC	N	1	2004	1.1	UG/L	U
OC14P22A04	O	C14P2	3	2	ARSENIC	N	2	2004	1.1	UG/L	U
OC14P23A04	O	C14P2	3	2	ARSENIC	N	3	2004	1.1	UG/L	U
OC14P24A04	O	C14P2	3	2	ARSENIC	N	4	2004	1.1	UG/L	U
OC18P21A04	O	C18P2	4	2	ARSENIC	N	1	2004	16	UG/L	
OC18P22A04	O	C18P2	4	2	ARSENIC	N	2	2004	18.5	UG/L	

Table 7.11. Raw Data for Arsenic. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
OC18P23A04	O	C18P2	4	2	ARSENIC	N	3	2004	13.9	UG/L	
OC18P24A04	O	C18P2	4	2	ARSENIC	N	4	2004	16.7	UG/L	
OC19P21A04	O	C19P2	5	2	ARSENIC	N	1	2004	2.9	UG/L	
OC19P22A04	O	C19P2	5	2	ARSENIC	N	2	2004	2.9	UG/L	
OC19P23A04	O	C19P2	5	2	ARSENIC	N	3	2004	3.5	UG/L	
OC19P24A04	O	C19P2	5	2	ARSENIC	N	4	2004	2.4	UG/L	
OC11P21A04F	O	C11P2	1	2	ARSENIC	Y	1	2004	1	UG/L	U
OC11P22A04F	O	C11P2	1	2	ARSENIC	Y	2	2004	1	UG/L	U
OC11P23A04F	O	C11P2	1	2	ARSENIC	Y	3	2004	1	UG/L	U
OC11P24A04F	O	C11P2	1	2	ARSENIC	Y	4	2004	1.3	UG/L	
OC13P21A04F	O	C13P2	2	2	ARSENIC	Y	1	2004	39.4	UG/L	
OC13P22A04F	O	C13P2	2	2	ARSENIC	Y	2	2004	34.4	UG/L	
OC13P23A04F	O	C13P2	2	2	ARSENIC	Y	3	2004	32.7	UG/L	
OC13P24A04F	O	C13P2	2	2	ARSENIC	Y	4	2004	42.3	UG/L	
OC14P21A04F	O	C14P2	3	2	ARSENIC	Y	1	2004	1	UG/L	U
OC14P22A04F	O	C14P2	3	2	ARSENIC	Y	2	2004	1	UG/L	U
OC14P23A04F	O	C14P2	3	2	ARSENIC	Y	3	2004	1	UG/L	U
OC14P24A04F	O	C14P2	3	2	ARSENIC	Y	4	2004	1	UG/L	U
OC18P21A04F	O	C18P2	4	2	ARSENIC	Y	1	2004	18.9	UG/L	
OC18P22A04F	O	C18P2	4	2	ARSENIC	Y	2	2004	16.7	UG/L	
OC18P23A04F	O	C18P2	4	2	ARSENIC	Y	3	2004	14.6	UG/L	
OC18P24A04F	O	C18P2	4	2	ARSENIC	Y	4	2004	20.7	UG/L	
OC19P21A04F	O	C19P2	5	2	ARSENIC	Y	1	2004	2.2	UG/L	
OC19P22A04F	O	C19P2	5	2	ARSENIC	Y	2	2004	2	UG/L	
OC19P23A04F	O	C19P2	5	2	ARSENIC	Y	3	2004	2	UG/L	
OC19P24A04F	O	C19P2	5	2	ARSENIC	Y	4	2004	2.7	UG/L	

Table 7.12. Raw Data for Barium.

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC02P21A04	A	C02P2	1	1	BARIUM	N	1	2004	45.4	UG/L	
AC02P22A04	A	C02P2	1	1	BARIUM	N	2	2004	96.1	UG/L	
AC02P23A04	A	C02P2	1	1	BARIUM	N	3	2004	97.4	UG/L	
AC02P24A04	A	C02P2	1	1	BARIUM	N	4	2004	62.9	UG/L	
AC031A04	A	C03	2	1	BARIUM	N	1	2004	36.1	UG/L	
AC032A04	A	C03	2	1	BARIUM	N	2	2004	36.9	UG/L	
AC033A04	A	C03	2	1	BARIUM	N	3	2004	38	UG/L	
AC034A04	A	C03	2	1	BARIUM	N	4	2004	40.5	UG/L	
AC041A04	A	C04	3	1	BARIUM	N	1	2004	23.5	UG/L	
AC042A04	A	C04	3	1	BARIUM	N	2	2004	22.8	UG/L	
AC043A04	A	C04	3	1	BARIUM	N	3	2004	24.3	UG/L	
AC044A04	A	C04	3	1	BARIUM	N	4	2004	23.7	UG/L	
AC071A04	A	C07	4	1	BARIUM	N	1	2004	26.7	UG/L	
AC072A04	A	C07	4	1	BARIUM	N	2	2004	27.5	UG/L	

Table 7.12. Raw Data for Barium. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC073A04	A	C07	4	1	BARIUM	N	3	2004	27.1	UG/L	
AC074A04	A	C07	4	1	BARIUM	N	4	2004	28.7	UG/L	
AC08P21A04	A	C08P2	5	1	BARIUM	N	1	2004	59.3	UG/L	
AC08P22A04	A	C08P2	5	1	BARIUM	N	2	2004	65	UG/L	
AC08P23A04	A	C08P2	5	1	BARIUM	N	3	2004	55.4	UG/L	
AC08P24A04	A	C08P2	5	1	BARIUM	N	4	2004	56.4	UG/L	
AC09P21A04	A	C09P2	6	1	BARIUM	N	1	2004	18.7	UG/L	
FD03080401	A	C09P2	6	1	BARIUM	N	1	2004	18.3	UG/L	
AC09P22A04	A	C09P2	6	1	BARIUM	N	2	2004	20.9	UG/L	
AC09P23A04	A	C09P2	6	1	BARIUM	N	3	2004	18	UG/L	
AC09P24A04	A	C09P2	6	1	BARIUM	N	4	2004	21.1	UG/L	
FD12290402	A	C09P2	6	1	BARIUM	N	4	2004	19.7	UG/L	
AC151A04	A	C15	7	1	BARIUM	N	1	2004	27.6	UG/L	
AC152A04	A	C15	7	1	BARIUM	N	2	2004	28	UG/L	
FD06210401	A	C15	7	1	BARIUM	N	2	2004	28	UG/L	
AC153A04	A	C15	7	1	BARIUM	N	3	2004	28.6	UG/L	
FD09200402	A	C15	7	1	BARIUM	N	3	2004	27.4	UG/L	
AC154A04	A	C15	7	1	BARIUM	N	4	2004	28.3	UG/L	
FD12160401	A	C15	7	1	BARIUM	N	4	2004	28.6	UG/L	
AC171A04	A	C17	8	1	BARIUM	N	1	2004	11.2	UG/L	
AC172A04	A	C17	8	1	BARIUM	N	2	2004	10.4	UG/L	
AC173A04	A	C17	8	1	BARIUM	N	3	2004	12.4	UG/L	
FD09200401	A	C17	8	1	BARIUM	N	3	2004	12	UG/L	
AC201A04	A	C20	9	1	BARIUM	N	1	2004	29.8	UG/L	
AC202B04	A	C20	9	1	BARIUM	N	2	2004	32.8	UG/L	
AC203A04	A	C20	9	1	BARIUM	N	3	2004	34.1	UG/L	
AC204A04	A	C20	9	1	BARIUM	N	4	2004	32.6	UG/L	
AC251A04	A	C25	10	1	BARIUM	N	1	2004	16.3	UG/L	
AC252A04	A	C25	10	1	BARIUM	N	2	2004	16.3	UG/L	
AC253A04	A	C25	10	1	BARIUM	N	3	2004	19	UG/L	
AC254A04	A	C25	10	1	BARIUM	N	4	2004	16	UG/L	
AC261A04	A	C26	11	1	BARIUM	N	1	2004	37.7	UG/L	
AC262A04	A	C26	11	1	BARIUM	N	2	2004	39.7	UG/L	
AC263A04	A	C26	11	1	BARIUM	N	3	2004	45.6	UG/L	
AC264A04	A	C26	11	1	BARIUM	N	4	2004	40.5	UG/L	
AC271A04	A	C27	12	1	BARIUM	N	1	2004	28.2	UG/L	
AC272A04	A	C27	12	1	BARIUM	N	2	2004	28.3	UG/L	
AC273A04	A	C27	12	1	BARIUM	N	3	2004	27.9	UG/L	
AC301A04	A	C30	13	1	BARIUM	N	1	2004	48.4	UG/L	
AC302A04	A	C30	13	1	BARIUM	N	2	2004	56.4	UG/L	
AC303A04	A	C30	13	1	BARIUM	N	3	2004	55.7	UG/L	
AC304A04	A	C30	13	1	BARIUM	N	4	2004	34.2	UG/L	
ASPA1A04	A	SPA	14	1	BARIUM	N	1	2004	58	UG/L	
ASPA2A04	A	SPA	14	1	BARIUM	N	2	2004	111	UG/L	

Table 7.12. Raw Data for Barium. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
ASPA3A04	A	SPA	14	1	BARIUM	N	3	2004	130	UG/L	
ASPA4A04	A	SPA	14	1	BARIUM	N	4	2004	61.4	UG/L	
ASPC1A04	A	SPC	15	1	BARIUM	N	1	2004	35.8	UG/L	
FD03030401	A	SPC	15	1	BARIUM	N	1	2004	34.6	UG/L	
ASPC2A04	A	SPC	15	1	BARIUM	N	2	2004	62.5	UG/L	
FD06290401	A	SPC	15	1	BARIUM	N	2	2004	62.5	UG/L	
ASPC3A04	A	SPC	15	1	BARIUM	N	3	2004	66.1	UG/L	
ASPC4A04	A	SPC	15	1	BARIUM	N	4	2004	49.5	UG/L	
AC02P21A04F	A	C02P2	1	1	BARIUM	Y	1	2004	43.8	UG/L	
AC02P22A04F	A	C02P2	1	1	BARIUM	Y	2	2004	94.1	UG/L	
AC02P23A04F	A	C02P2	1	1	BARIUM	Y	3	2004	97.2	UG/L	
AC02P24A04F	A	C02P2	1	1	BARIUM	Y	4	2004	66	UG/L	
AC031A04F	A	C03	2	1	BARIUM	Y	1	2004	36.4	UG/L	
AC032A04F	A	C03	2	1	BARIUM	Y	2	2004	37.2	UG/L	
AC033A04F	A	C03	2	1	BARIUM	Y	3	2004	36.6	UG/L	
AC034A04F	A	C03	2	1	BARIUM	Y	4	2004	41.8	UG/L	
AC041A04F	A	C04	3	1	BARIUM	Y	1	2004	18.8	UG/L	
AC042A04F	A	C04	3	1	BARIUM	Y	2	2004	18	UG/L	
AC043A04F	A	C04	3	1	BARIUM	Y	3	2004	18.3	UG/L	
AC044A04F	A	C04	3	1	BARIUM	Y	4	2004	19.4	UG/L	
AC071A04F	A	C07	4	1	BARIUM	Y	1	2004	28.3	UG/L	
AC072A04F	A	C07	4	1	BARIUM	Y	2	2004	29	UG/L	
AC073A04F	A	C07	4	1	BARIUM	Y	3	2004	27.7	UG/L	
AC074A04F	A	C07	1	1	BARIUM	Y	4	2004	42.2	UG/L	
AC08P21A04F	A	C08P2	5	1	BARIUM	Y	1	2004	56	UG/L	
AC08P22A04F	A	C08P2	5	1	BARIUM	Y	2	2004	61	UG/L	
AC08P23A04F	A	C08P2	5	1	BARIUM	Y	3	2004	54.7	UG/L	
AC08P24A04F	A	C08P2	5	1	BARIUM	Y	4	2004	62.3	UG/L	
AC09P21A04F	A	C09P2	6	1	BARIUM	Y	1	2004	12.5	UG/L	
FD03080401F	A	C09P2	6	1	BARIUM	Y	1	2004	12.5	UG/L	
AC09P22A04F	A	C09P2	6	1	BARIUM	Y	2	2004	12.2	UG/L	
AC09P23A04F	A	C09P2	6	1	BARIUM	Y	3	2004	12.6	UG/L	
AC09P24A04F	A	C09P2	6	1	BARIUM	Y	4	2004	16.1	UG/L	
FD12290402F	A	C09P2	6	1	BARIUM	Y	4	2004	14.3	UG/L	
AC151A04F	A	C15	7	1	BARIUM	Y	1	2004	27.4	UG/L	
AC152A04F	A	C15	7	1	BARIUM	Y	2	2004	29.3	UG/L	
FD06210401F	A	C15	7	1	BARIUM	Y	2	2004	29	UG/L	
AC153A04F	A	C15	7	1	BARIUM	Y	3	2004	28.4	UG/L	
FD09200402F	A	C15	7	1	BARIUM	Y	3	2004	28.3	UG/L	
AC154A04F	A	C15	7	1	BARIUM	Y	4	2004	30.5	UG/L	
FD12160401F	A	C15	7	1	BARIUM	Y	4	2004	31.3	UG/L	
AC171A04F	A	C17	8	1	BARIUM	Y	1	2004	11	UG/L	
AC172A04F	A	C17	8	1	BARIUM	Y	2	2004	9.8	UG/L	
AC173A04F	A	C17	8	1	BARIUM	Y	3	2004	10.1	UG/L	

Table 7.12. Raw Data for Barium. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
FD09200401F	A	C17	8	1	BARIUM	Y	3	2004	9.9	UG/L	
AC201A04F	A	C20	9	1	BARIUM	Y	1	2004	31.2	UG/L	
AC202B04F	A	C20	9	1	BARIUM	Y	2	2004	31.5	UG/L	
AC203A04F	A	C20	9	1	BARIUM	Y	3	2004	32.4	UG/L	
AC204A04F	A	C20	9	1	BARIUM	Y	4	2004	33.4	UG/L	
AC251A04F	A	C25	10	1	BARIUM	Y	1	2004	15.6	UG/L	
AC252A04F	A	C25	10	1	BARIUM	Y	2	2004	15.4	UG/L	
AC253A04F	A	C25	10	1	BARIUM	Y	3	2004	14.8	UG/L	
AC254A04F	A	C25	10	1	BARIUM	Y	4	2004	19.8	UG/L	
AC261A04F	A	C26	11	1	BARIUM	Y	1	2004	38.1	UG/L	
AC262A04F	A	C26	11	1	BARIUM	Y	2	2004	39.4	UG/L	
AC263A04F	A	C26	11	1	BARIUM	Y	3	2004	40.9	UG/L	
AC264A04F	A	C26	11	1	BARIUM	Y	4	2004	43.6	UG/L	
AC271A04F	A	C27	12	1	BARIUM	Y	1	2004	29.2	UG/L	
AC272A04F	A	C27	12	1	BARIUM	Y	2	2004	28.4	UG/L	
AC273A04F	A	C27	12	1	BARIUM	Y	3	2004	30.1	UG/L	
AC301A04F	A	C30	13	1	BARIUM	Y	1	2004	34	UG/L	
AC302A04F	A	C30	13	1	BARIUM	Y	2	2004	39.4	UG/L	
AC303A04F	A	C30	13	1	BARIUM	Y	3	2004	33.5	UG/L	
AC304A04F	A	C30	13	1	BARIUM	Y	4	2004	45.3	UG/L	
ASPA1A04F	A	SPA	14	1	BARIUM	Y	1	2004	57.2	UG/L	
ASPA2A04F	A	SPA	14	1	BARIUM	Y	2	2004	111	UG/L	
ASPA3A04F	A	SPA	14	1	BARIUM	Y	3	2004	133	UG/L	
ASPA4A04F	A	SPA	14	1	BARIUM	Y	4	2004	71.4	UG/L	
ASPC1A04F	A	SPC	15	1	BARIUM	Y	1	2004	33.7	UG/L	
FD03030401F	A	SPC	15	1	BARIUM	Y	1	2004	34.2	UG/L	
ASPC2A04F	A	SPC	15	1	BARIUM	Y	2	2004	64.5	UG/L	
FD06290401F	A	SPC	15	1	BARIUM	Y	2	2004	66	UG/L	
ASPC3A04F	A	SPC	15	1	BARIUM	Y	3	2004	67.5	UG/L	
ASPC4A04F	A	SPC	15	1	BARIUM	Y	4	2004	50.1	UG/L	
DC021A04	D	C02	1	1	BARIUM	N	1	2004	94.3	UG/L	
DC023A04	D	C02	1	1	BARIUM	N	3	2004	107	UG/L	
DC031A04	D	C03	2	1	BARIUM	N	1	2004	78	UG/L	
DC033A04	D	C03	2	1	BARIUM	N	3	2004	82.7	UG/L	
FD07210401	D	C03	2	1	BARIUM	N	3	2004	83.7	UG/L	
DC041A04	D	C04	3	1	BARIUM	N	1	2004	148	UG/L	
FD01140401	D	C04	3	1	BARIUM	N	1	2004	147	UG/L	
DC043A04	D	C04	3	1	BARIUM	N	3	2004	163	UG/L	
FD07150401	D	C04	3	1	BARIUM	N	3	2004	162	UG/L	
DC051A04	D	C05	4	1	BARIUM	N	1	2004	63	UG/L	
DC053A04	D	C05	4	1	BARIUM	N	3	2004	69.3	UG/L	
DC061A04	D	C06	5	1	BARIUM	N	1	2004	29.1	UG/L	
FD01080401	D	C06	5	1	BARIUM	N	1	2004	29.2	UG/L	
DC063A04	D	C06	5	1	BARIUM	N	3	2004	28.4	UG/L	

Table 7.12. Raw Data for Barium. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
DC071A04	D	C07	6	1	BARIUM	N	1	2004	234	UG/L	
DC073A04	D	C07	6	1	BARIUM	N	3	2004	207	UG/L	
DC081A04	D	C08	7	1	BARIUM	N	1	2004	79.1	UG/L	
DC083A04	D	C08	7	1	BARIUM	N	3	2004	39.4	UG/L	
DC021A04F	D	C02	1	1	BARIUM	Y	1	2004	102	UG/L	
DC023A04F	D	C02	1	1	BARIUM	Y	3	2004	95.9	UG/L	
DC031A04F	D	C03	2	1	BARIUM	Y	1	2004	84	UG/L	
DC033A04F	D	C03	2	1	BARIUM	Y	3	2004	73.1	UG/L	
FD07210401F	D	C03	2	1	BARIUM	Y	3	2004	74.6	UG/L	
DC041A04F	D	C04	3	1	BARIUM	Y	1	2004	154	UG/L	
FD01140401F	D	C04	3	1	BARIUM	Y	1	2004	157	UG/L	
DC043A04F	D	C04	3	1	BARIUM	Y	3	2004	149	UG/L	
FD07150401F	D	C04	3	1	BARIUM	Y	3	2004	152	UG/L	
DC051A04F	D	C05	4	1	BARIUM	Y	1	2004	67.8	UG/L	
DC053A04F	D	C05	4	1	BARIUM	Y	3	2004	64.5	UG/L	
DC061A04F	D	C06	5	1	BARIUM	Y	1	2004	30.2	UG/L	
FD01080401F	D	C06	5	1	BARIUM	Y	1	2004	30.9	UG/L	
DC063A04F	D	C06	5	1	BARIUM	Y	3	2004	24.7	UG/L	
DC071A04F	D	C07	6	1	BARIUM	Y	1	2004	246	UG/L	
DC073A04F	D	C07	6	1	BARIUM	Y	3	2004	229	UG/L	
DC081A04F	D	C08	7	1	BARIUM	Y	1	2004	37.1	UG/L	
DC083A04F	D	C08	7	1	BARIUM	Y	3	2004	33.2	UG/L	
DC03P21A04	D	C03P2	1	2	BARIUM	N	1	2004	85.1	UG/L	
DC03P23A04	D	C03P2	1	2	BARIUM	N	3	2004	98.3	UG/L	
DC04P21A04	D	C04P2	2	2	BARIUM	N	1	2004	39.3	UG/L	
DC04P23A04	D	C04P2	2	2	BARIUM	N	3	2004	46.6	UG/L	
DC06P21A04	D	C06P2	3	2	BARIUM	N	1	2004	12.1	UG/L	
DC06P23A04	D	C06P2	3	2	BARIUM	N	3	2004	11.9	UG/L	
DC08P21A04	D	C08P2	4	2	BARIUM	N	1	2004	10.5	UG/L	
DC08P23A04	D	C08P2	4	2	BARIUM	N	3	2004	12.1	UG/L	
DC03P21A04F	D	C03P2	1	2	BARIUM	Y	1	2004	87.8	UG/L	
DC03P23A04F	D	C03P2	1	2	BARIUM	Y	3	2004	82.7	UG/L	
DC04P21A04F	D	C04P2	2	2	BARIUM	Y	1	2004	36.7	UG/L	
DC04P23A04F	D	C04P2	2	2	BARIUM	Y	3	2004	37.3	UG/L	
DC06P21A04F	D	C06P2	3	2	BARIUM	Y	1	2004	12.2	UG/L	
DC06P23A04F	D	C06P2	3	2	BARIUM	Y	3	2004	11.2	UG/L	
DC08P21A04F	D	C08P2	4	2	BARIUM	Y	1	2004	10.8	UG/L	
DC08P23A04F	D	C08P2	4	2	BARIUM	Y	3	2004	11.2	UG/L	
OC081A04	O	C08	1	1	BARIUM	N	1	2004	35.3	UG/L	
OC082A04	O	C08	1	1	BARIUM	N	2	2004	37.3	UG/L	
OC083A04	O	C08	1	1	BARIUM	N	3	2004	34.8	UG/L	
OC084A04	O	C08	1	1	BARIUM	N	4	2004	72.4	UG/L	J
OC111A04	O	C11	2	1	BARIUM	N	1	2004	53.4	UG/L	
OC112A04	O	C11	2	1	BARIUM	N	2	2004	64	UG/L	

Table 7.12. Raw Data for Barium. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
OC113A04	O	C11	2	1	BARIUM	N	3	2004	57.3	UG/L	
OC114A04	O	C11	2	1	BARIUM	N	4	2004	60.1	UG/L	J
OC121A04	O	C12	3	1	BARIUM	N	1	2004	35.1	UG/L	
OC122A04	O	C12	3	1	BARIUM	N	2	2004	35	UG/L	
OC123A04	O	C12	3	1	BARIUM	N	3	2004	32.6	UG/L	
OC124A04	O	C12	3	1	BARIUM	N	4	2004	32.5	UG/L	J
OC131A04	O	C13	4	1	BARIUM	N	1	2004	65.4	UG/L	
OC132A04	O	C13	4	1	BARIUM	N	2	2004	61.3	UG/L	
OC133A04	O	C13	4	1	BARIUM	N	3	2004	64.7	UG/L	
OC134A04	O	C13	4	1	BARIUM	N	4	2004	61.6	UG/L	J
OC141A04	O	C14	5	1	BARIUM	N	1	2004	24.8	UG/L	
OC142A04	O	C14	5	1	BARIUM	N	2	2004	26.2	UG/L	
OC143A04	O	C14	5	1	BARIUM	N	3	2004	21.9	UG/L	
OC144A04	O	C14	5	1	BARIUM	N	4	2004	23	UG/L	J
OC151A04	O	C15	6	1	BARIUM	N	1	2004	28.3	UG/L	
FD02100401	O	C15	6	1	BARIUM	N	1	2004	28.3	UG/L	
OC152A04	O	C15	6	1	BARIUM	N	2	2004	28.5	UG/L	
FD05170401	O	C15	6	1	BARIUM	N	2	2004	28.8	UG/L	
OC153A04	O	C15	6	1	BARIUM	N	3	2004	26.7	UG/L	
FD08170401	O	C15	6	1	BARIUM	N	3	2004	28.4	UG/L	
OC154A04	O	C15	6	1	BARIUM	N	4	2004	28.8	UG/L	J
FD11160401	O	C15	6	1	BARIUM	N	4	2004	29.1	UG/L	J
OC161A04	O	C16	7	1	BARIUM	N	1	2004	93.7	UG/L	
FD02110401	O	C16	7	1	BARIUM	N	1	2004	91.3	UG/L	
OC162A04	O	C16	7	1	BARIUM	N	2	2004	91.6	UG/L	
FD05030401	O	C16	7	1	BARIUM	N	2	2004	92.8	UG/L	
OC163A04	O	C16	7	1	BARIUM	N	3	2004	90.7	UG/L	
OC164A04	O	C16	7	1	BARIUM	N	4	2004	84.9	UG/L	J
FD11230402	O	C16	7	1	BARIUM	N	4	2004	87.3	UG/L	J
OC181A04	O	C18	8	1	BARIUM	N	1	2004	86.9	UG/L	
OC182A04	O	C18	8	1	BARIUM	N	2	2004	95.7	UG/L	
OC183A04	O	C18	8	1	BARIUM	N	3	2004	89.1	UG/L	
OC184A04	O	C18	8	1	BARIUM	N	4	2004	86.5	UG/L	J
OC191A04	O	C19	9	1	BARIUM	N	1	2004	40.6	UG/L	
OC192A04	O	C19	9	1	BARIUM	N	2	2004	42.5	UG/L	
OC193A04	O	C19	9	1	BARIUM	N	3	2004	48.8	UG/L	
FD09010401	O	C19	9	1	BARIUM	N	3	2004	46.7	UG/L	
OC194A04	O	C19	9	1	BARIUM	N	4	2004	34.7	UG/L	J
OC081A04F	O	C08	1	1	BARIUM	Y	1	2004	33.9	UG/L	
OC082A04F	O	C08	1	1	BARIUM	Y	2	2004	36.7	UG/L	
OC083A04F	O	C08	1	1	BARIUM	Y	3	2004	35.7	UG/L	
OC084A04F	O	C08	1	1	BARIUM	Y	4	2004	37.8	UG/L	J
OC111A04F	O	C11	2	1	BARIUM	Y	1	2004	50.2	UG/L	
OC112A04F	O	C11	2	1	BARIUM	Y	2	2004	55.3	UG/L	

Table 7.12. Raw Data for Barium. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
OC113A04F	O	C11	2	1	BARIUM	Y	3	2004	21.6	UG/L	
OC114A04F	O	C11	2	1	BARIUM	Y	4	2004	45.4	UG/L	J
OC121A04F	O	C12	3	1	BARIUM	Y	1	2004	37	UG/L	
OC122A04F	O	C12	3	1	BARIUM	Y	2	2004	37.7	UG/L	
OC123A04F	O	C12	3	1	BARIUM	Y	3	2004	34.2	UG/L	
OC124A04F	O	C12	3	1	BARIUM	Y	4	2004	34.8	UG/L	J
OC131A04F	O	C13	4	1	BARIUM	Y	1	2004	67.5	UG/L	
OC132A04F	O	C13	4	1	BARIUM	Y	2	2004	56.2	UG/L	
OC133A04F	O	C13	4	1	BARIUM	Y	3	2004	59.3	UG/L	
OC134A04F	O	C13	4	1	BARIUM	Y	4	2004	59.4	UG/L	J
OC141A04F	O	C14	5	1	BARIUM	Y	1	2004	22	UG/L	
OC142A04F	O	C14	5	1	BARIUM	Y	2	2004	21.1	UG/L	
OC143A04F	O	C14	5	1	BARIUM	Y	3	2004	19.5	UG/L	
OC144A04F	O	C14	5	1	BARIUM	Y	4	2004	22.4	UG/L	J
OC151A04F	O	C15	6	1	BARIUM	Y	1	2004	29	UG/L	
FD02100401F	O	C15	6	1	BARIUM	Y	1	2004	29.2	UG/L	
OC152A04F	O	C15	6	1	BARIUM	Y	2	2004	29.3	UG/L	
FD05170401F	O	C15	6	1	BARIUM	Y	2	2004	30.3	UG/L	
OC153A04F	O	C15	6	1	BARIUM	Y	3	2004	29.2	UG/L	
FD08170401F	O	C15	6	1	BARIUM	Y	3	2004	28.3	UG/L	
OC154A04F	O	C15	6	1	BARIUM	Y	4	2004	30.6	UG/L	J
FD11160401F	O	C15	6	1	BARIUM	Y	4	2004	30.6	UG/L	J
OC161A04F	O	C16	7	1	BARIUM	Y	1	2004	93	UG/L	
FD02110401F	O	C16	7	1	BARIUM	Y	1	2004	93	UG/L	
OC162A04F	O	C16	7	1	BARIUM	Y	2	2004	99.4	UG/L	
FD05030401F	O	C16	7	1	BARIUM	Y	2	2004	98.1	UG/L	
OC163A04F	O	C16	7	1	BARIUM	Y	3	2004	92.6	UG/L	
OC164A04F	O	C16	7	1	BARIUM	Y	4	2004	91.4	UG/L	J
FD11230402F	O	C16	7	1	BARIUM	Y	4	2004	93.3	UG/L	J
OC181A04F	O	C18	8	1	BARIUM	Y	1	2004	92.1	UG/L	
OC182A04F	O	C18	8	1	BARIUM	Y	2	2004	92.8	UG/L	
OC183A04F	O	C18	8	1	BARIUM	Y	3	2004	88.5	UG/L	
OC184A04F	O	C18	8	1	BARIUM	Y	4	2004	92.1	UG/L	J
OC191A04F	O	C19	9	1	BARIUM	Y	1	2004	41.5	UG/L	
OC192A04F	O	C19	9	1	BARIUM	Y	2	2004	45	UG/L	
OC193A04F	O	C19	9	1	BARIUM	Y	3	2004	45.5	UG/L	
FD09010401F	O	C19	9	1	BARIUM	Y	3	2004	45.8	UG/L	
OC194A04F	O	C19	9	1	BARIUM	Y	4	2004	36.9	UG/L	J
OC11P21A04	O	C11P2	1	2	BARIUM	N	1	2004	34.4	UG/L	
OC11P22A04	O	C11P2	1	2	BARIUM	N	2	2004	33.7	UG/L	
OC11P23A04	O	C11P2	1	2	BARIUM	N	3	2004	32.6	UG/L	
OC11P24A04	O	C11P2	1	2	BARIUM	N	4	2004	29.9	UG/L	J
OC13P21A04	O	C13P2	2	2	BARIUM	N	1	2004	56.4	UG/L	
OC13P22A04	O	C13P2	2	2	BARIUM	N	2	2004	57.2	UG/L	

Table 7.12. Raw Data for Barium. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
OC13P23A04	O	C13P2	2	2	BARIUM	N	3	2004	56.6	UG/L	
OC13P24A04	O	C13P2	2	2	BARIUM	N	4	2004	54.7	UG/L	J
OC14P21A04	O	C14P2	3	2	BARIUM	N	1	2004	34.5	UG/L	
OC14P22A04	O	C14P2	3	2	BARIUM	N	2	2004	37.3	UG/L	
OC14P23A04	O	C14P2	3	2	BARIUM	N	3	2004	37.7	UG/L	
OC14P24A04	O	C14P2	3	2	BARIUM	N	4	2004	39.5	UG/L	J
OC18P21A04	O	C18P2	4	2	BARIUM	N	1	2004	142	UG/L	
OC18P22A04	O	C18P2	4	2	BARIUM	N	2	2004	145	UG/L	
OC18P23A04	O	C18P2	4	2	BARIUM	N	3	2004	114	UG/L	
OC18P24A04	O	C18P2	4	2	BARIUM	N	4	2004	129	UG/L	J
OC19P21A04	O	C19P2	5	2	BARIUM	N	1	2004	36.3	UG/L	
OC19P22A04	O	C19P2	5	2	BARIUM	N	2	2004	36.5	UG/L	
OC19P23A04	O	C19P2	5	2	BARIUM	N	3	2004	36.1	UG/L	
OC19P24A04	O	C19P2	5	2	BARIUM	N	4	2004	35.2	UG/L	J
OC11P21A04F	O	C11P2	1	2	BARIUM	Y	1	2004	34.2	UG/L	
OC11P22A04F	O	C11P2	1	2	BARIUM	Y	2	2004	35.1	UG/L	
OC11P23A04F	O	C11P2	1	2	BARIUM	Y	3	2004	32.7	UG/L	
OC11P24A04F	O	C11P2	1	2	BARIUM	Y	4	2004	31.3	UG/L	J
OC13P21A04F	O	C13P2	2	2	BARIUM	Y	1	2004	58.2	UG/L	
OC13P22A04F	O	C13P2	2	2	BARIUM	Y	2	2004	58.2	UG/L	
OC13P23A04F	O	C13P2	2	2	BARIUM	Y	3	2004	57.2	UG/L	
OC13P24A04F	O	C13P2	2	2	BARIUM	Y	4	2004	62.1	UG/L	J
OC14P21A04F	O	C14P2	3	2	BARIUM	Y	1	2004	35.6	UG/L	
OC14P22A04F	O	C14P2	3	2	BARIUM	Y	2	2004	40.2	UG/L	
OC14P23A04F	O	C14P2	3	2	BARIUM	Y	3	2004	40.6	UG/L	
OC14P24A04F	O	C14P2	3	2	BARIUM	Y	4	2004	42.9	UG/L	J
OC18P21A04F	O	C18P2	4	2	BARIUM	Y	1	2004	144	UG/L	
OC18P22A04F	O	C18P2	4	2	BARIUM	Y	2	2004	134	UG/L	
OC18P23A04F	O	C18P2	4	2	BARIUM	Y	3	2004	118	UG/L	
OC18P24A04F	O	C18P2	4	2	BARIUM	Y	4	2004	138	UG/L	J
OC19P21A04F	O	C19P2	5	2	BARIUM	Y	1	2004	35.7	UG/L	
OC19P22A04F	O	C19P2	5	2	BARIUM	Y	2	2004	36.9	UG/L	
OC19P23A04F	O	C19P2	5	2	BARIUM	Y	3	2004	35.3	UG/L	
OC19P24A04F	O	C19P2	5	2	BARIUM	Y	4	2004	38.2	UG/L	J

Table 7.13. Raw Data for Calcium.

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC02P21A04F	A	C02P2	1	1	CALCIUM	Y	1	2004	27800	UG/L	
AC02P22A04F	A	C02P2	1	1	CALCIUM	Y	2	2004	90300	UG/L	
AC02P23A04F	A	C02P2	1	1	CALCIUM	Y	3	2004	112000	UG/L	
AC02P24A04F	A	C02P2	1	1	CALCIUM	Y	4	2004	45700	UG/L	
AC031A04F	A	C03	2	1	CALCIUM	Y	1	2004	1150	UG/L	
AC032A04F	A	C03	2	1	CALCIUM	Y	2	2004	1470	UG/L	

Table 7.13. Raw Data for Calcium. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC033A04F	A	C03	2	1	CALCIUM	Y	3	2004	1250	UG/L	
AC034A04F	A	C03	2	1	CALCIUM	Y	4	2004	1610	UG/L	
AC041A04F	A	C04	3	1	CALCIUM	Y	1	2004	147000	UG/L	
AC042A04F	A	C04	3	1	CALCIUM	Y	2	2004	148000	UG/L	
AC043A04F	A	C04	3	1	CALCIUM	Y	3	2004	151000	UG/L	
AC044A04F	A	C04	3	1	CALCIUM	Y	4	2004	158000	UG/L	
AC071A04F	A	C07	4	1	CALCIUM	Y	1	2004	105000	UG/L	
AC072A04F	A	C07	4	1	CALCIUM	Y	2	2004	99800	UG/L	
AC073A04F	A	C07	4	1	CALCIUM	Y	3	2004	100000	UG/L	
AC074A04F	A	C07	1	1	CALCIUM	Y	4	2004	107000	UG/L	
AC08P21A04F	A	C08P2	5	1	CALCIUM	Y	1	2004	129000	UG/L	
AC08P22A04F	A	C08P2	5	1	CALCIUM	Y	2	2004	130000	UG/L	
AC08P23A04F	A	C08P2	5	1	CALCIUM	Y	3	2004	134000	UG/L	
AC08P24A04F	A	C08P2	5	1	CALCIUM	Y	4	2004	141000	UG/L	
AC09P21A04F	A	C09P2	6	1	CALCIUM	Y	1	2004	71100	UG/L	
FD03080401F	A	C09P2	6	1	CALCIUM	Y	1	2004	71700	UG/L	
AC09P22A04F	A	C09P2	6	1	CALCIUM	Y	2	2004	76300	UG/L	
AC09P23A04F	A	C09P2	6	1	CALCIUM	Y	3	2004	73900	UG/L	
AC09P24A04F	A	C09P2	6	1	CALCIUM	Y	4	2004	79900	UG/L	
FD12290402F	A	C09P2	6	1	CALCIUM	Y	4	2004	80200	UG/L	
AC151A04F	A	C15	7	1	CALCIUM	Y	1	2004	95600	UG/L	
AC152A04F	A	C15	7	1	CALCIUM	Y	2	2004	92500	UG/L	
FD06210401F	A	C15	7	1	CALCIUM	Y	2	2004	90800	UG/L	
AC153A04F	A	C15	7	1	CALCIUM	Y	3	2004	91800	UG/L	
FD09200402F	A	C15	7	1	CALCIUM	Y	3	2004	93200	UG/L	
AC154A04F	A	C15	7	1	CALCIUM	Y	4	2004	119000	UG/L	
FD12160401F	A	C15	7	1	CALCIUM	Y	4	2004	122000	UG/L	
AC171A04F	A	C17	8	1	CALCIUM	Y	1	2004	190000	UG/L	
AC172A04F	A	C17	8	1	CALCIUM	Y	2	2004	211000	UG/L	
AC173A04F	A	C17	8	1	CALCIUM	Y	3	2004	230000	UG/L	
FD09200401F	A	C17	8	1	CALCIUM	Y	3	2004	235000	UG/L	
AC201A04F	A	C20	9	1	CALCIUM	Y	1	2004	109000	UG/L	
AC202B04F	A	C20	9	1	CALCIUM	Y	2	2004	99600	UG/L	
AC203A04F	A	C20	9	1	CALCIUM	Y	3	2004	103000	UG/L	
AC204A04F	A	C20	9	1	CALCIUM	Y	4	2004	108000	UG/L	
AC251A04F	A	C25	10	1	CALCIUM	Y	1	2004	98000	UG/L	
AC252A04F	A	C25	10	1	CALCIUM	Y	2	2004	104000	UG/L	
AC253A04F	A	C25	10	1	CALCIUM	Y	3	2004	102000	UG/L	
AC254A04F	A	C25	10	1	CALCIUM	Y	4	2004	109000	UG/L	
AC261A04F	A	C26	11	1	CALCIUM	Y	1	2004	119000	UG/L	
AC262A04F	A	C26	11	1	CALCIUM	Y	2	2004	103000	UG/L	
AC263A04F	A	C26	11	1	CALCIUM	Y	3	2004	99100	UG/L	
AC264A04F	A	C26	11	1	CALCIUM	Y	4	2004	107000	UG/L	
AC271A04F	A	C27	12	1	CALCIUM	Y	1	2004	56500	UG/L	

Table 7.13. Raw Data for Calcium. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC272A04F	A	C27	12	1	CALCIUM	Y	2	2004	54800	UG/L	
AC273A04F	A	C27	12	1	CALCIUM	Y	3	2004	55800	UG/L	
AC301A04F	A	C30	13	1	CALCIUM	Y	1	2004	34000	UG/L	
AC302A04F	A	C30	13	1	CALCIUM	Y	2	2004	27100	UG/L	
AC303A04F	A	C30	13	1	CALCIUM	Y	3	2004	26900	UG/L	
AC304A04F	A	C30	13	1	CALCIUM	Y	4	2004	42300	UG/L	
ASPA1A04F	A	SPA	14	1	CALCIUM	Y	1	2004	25400	UG/L	
ASPA2A04F	A	SPA	14	1	CALCIUM	Y	2	2004	48100	UG/L	
ASPA3A04F	A	SPA	14	1	CALCIUM	Y	3	2004	66300	UG/L	
ASPA4A04F	A	SPA	14	1	CALCIUM	Y	4	2004	31400	UG/L	
ASPC1A04F	A	SPC	15	1	CALCIUM	Y	1	2004	18200	UG/L	
FD03030401F	A	SPC	15	1	CALCIUM	Y	1	2004	18100	UG/L	
ASPC2A04F	A	SPC	15	1	CALCIUM	Y	2	2004	50000	UG/L	
FD06290401F	A	SPC	15	1	CALCIUM	Y	2	2004	49800	UG/L	
ASPC3A04F	A	SPC	15	1	CALCIUM	Y	3	2004	61000	UG/L	
ASPC4A04F	A	SPC	15	1	CALCIUM	Y	4	2004	38600	UG/L	

Table 7.14. Raw Data for Chromium.

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC02P21A04	A	C02P2	1	1	CHROMIUM	N	1	2004	5.6	UG/L	U
AC02P22A04	A	C02P2	1	1	CHROMIUM	N	2	2004	5.6	UG/L	U
AC02P23A04	A	C02P2	1	1	CHROMIUM	N	3	2004	5.6	UG/L	U
AC02P24A04	A	C02P2	1	1	CHROMIUM	N	4	2004	5	UG/L	U
AC031A04	A	C03	2	1	CHROMIUM	N	1	2004	5.6	UG/L	U
AC032A04	A	C03	2	1	CHROMIUM	N	2	2004	5.6	UG/L	U
AC033A04	A	C03	2	1	CHROMIUM	N	3	2004	5.6	UG/L	U
AC034A04	A	C03	2	1	CHROMIUM	N	4	2004	5.6	UG/L	U
AC041A04	A	C04	3	1	CHROMIUM	N	1	2004	5.6	UG/L	U
AC042A04	A	C04	3	1	CHROMIUM	N	2	2004	5.6	UG/L	U
AC043A04	A	C04	3	1	CHROMIUM	N	3	2004	5.6	UG/L	U
AC044A04	A	C04	3	1	CHROMIUM	N	4	2004	5.6	UG/L	U
AC071A04	A	C07	4	1	CHROMIUM	N	1	2004	5.6	UG/L	U
AC072A04	A	C07	4	1	CHROMIUM	N	2	2004	5.6	UG/L	U
AC073A04	A	C07	4	1	CHROMIUM	N	3	2004	5.6	UG/L	U
AC074A04	A	C07	4	1	CHROMIUM	N	4	2004	5.6	UG/L	U
AC08P21A04	A	C08P2	5	1	CHROMIUM	N	1	2004	5.6	UG/L	U
AC08P22A04	A	C08P2	5	1	CHROMIUM	N	2	2004	5.6	UG/L	U
AC08P23A04	A	C08P2	5	1	CHROMIUM	N	3	2004	5.6	UG/L	U
AC08P24A04	A	C08P2	5	1	CHROMIUM	N	4	2004	5.6	UG/L	U
AC09P21A04	A	C09P2	6	1	CHROMIUM	N	1	2004	5.6	UG/L	U
FD03080401	A	C09P2	6	1	CHROMIUM	N	1	2004	5.6	UG/L	U
AC09P22A04	A	C09P2	6	1	CHROMIUM	N	2	2004	5.6	UG/L	U

Table 7.14. Raw Data for Chromium. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC09P23A04	A	C09P2	6	1	CHROMIUM	N	3	2004	5.6	UG/L	U
AC09P24A04	A	C09P2	6	1	CHROMIUM	N	4	2004	5.6	UG/L	U
FD12290402	A	C09P2	6	1	CHROMIUM	N	4	2004	5.6	UG/L	U
AC151A04	A	C15	7	1	CHROMIUM	N	1	2004	5.6	UG/L	U
AC152A04	A	C15	7	1	CHROMIUM	N	2	2004	5.6	UG/L	U
FD06210401	A	C15	7	1	CHROMIUM	N	2	2004	5.6	UG/L	U
AC153A04	A	C15	7	1	CHROMIUM	N	3	2004	5.6	UG/L	U
FD09200402	A	C15	7	1	CHROMIUM	N	3	2004	5.6	UG/L	U
AC154A04	A	C15	7	1	CHROMIUM	N	4	2004	5.6	UG/L	U
FD12160401	A	C15	7	1	CHROMIUM	N	4	2004	5.6	UG/L	U
AC171A04	A	C17	8	1	CHROMIUM	N	1	2004	5.6	UG/L	U
AC172A04	A	C17	8	1	CHROMIUM	N	2	2004	5.6	UG/L	U
AC173A04	A	C17	8	1	CHROMIUM	N	3	2004	5.6	UG/L	U
FD09200401	A	C17	8	1	CHROMIUM	N	3	2004	5.6	UG/L	U
AC201A04	A	C20	9	1	CHROMIUM	N	1	2004	5.6	UG/L	U
AC202B04	A	C20	9	1	CHROMIUM	N	2	2004	5.6	UG/L	U
AC203A04	A	C20	9	1	CHROMIUM	N	3	2004	5.6	UG/L	U
AC204A04	A	C20	9	1	CHROMIUM	N	4	2004	5.6	UG/L	U
AC251A04	A	C25	10	1	CHROMIUM	N	1	2004	5.6	UG/L	U
AC252A04	A	C25	10	1	CHROMIUM	N	2	2004	5.6	UG/L	U
AC253A04	A	C25	10	1	CHROMIUM	N	3	2004	5.6	UG/L	U
AC254A04	A	C25	10	1	CHROMIUM	N	4	2004	5.6	UG/L	U
AC261A04	A	C26	11	1	CHROMIUM	N	1	2004	5.6	UG/L	U
AC262A04	A	C26	11	1	CHROMIUM	N	2	2004	5.6	UG/L	U
AC263A04	A	C26	11	1	CHROMIUM	N	3	2004	5.6	UG/L	U
AC264A04	A	C26	11	1	CHROMIUM	N	4	2004	5.6	UG/L	U
AC271A04	A	C27	12	1	CHROMIUM	N	1	2004	5.6	UG/L	U
AC272A04	A	C27	12	1	CHROMIUM	N	2	2004	5.6	UG/L	U
AC273A04	A	C27	12	1	CHROMIUM	N	3	2004	5.6	UG/L	U
AC301A04	A	C30	13	1	CHROMIUM	N	1	2004	5.6	UG/L	U
AC302A04	A	C30	13	1	CHROMIUM	N	2	2004	5.6	UG/L	U
AC303A04	A	C30	13	1	CHROMIUM	N	3	2004	5.6	UG/L	U
AC304A04	A	C30	13	1	CHROMIUM	N	4	2004	5.6	UG/L	U
ASPA1A04	A	SPA	14	1	CHROMIUM	N	1	2004	5.6	UG/L	U
ASPA2A04	A	SPA	14	1	CHROMIUM	N	2	2004	5.6	UG/L	U
ASPA3A04	A	SPA	14	1	CHROMIUM	N	3	2004	5.6	UG/L	U
ASPA4A04	A	SPA	14	1	CHROMIUM	N	4	2004	5.6	UG/L	U
ASPC1A04	A	SPC	15	1	CHROMIUM	N	1	2004	5.6	UG/L	U
FD03030401	A	SPC	15	1	CHROMIUM	N	1	2004	5.6	UG/L	U
ASPC2A04	A	SPC	15	1	CHROMIUM	N	2	2004	5.6	UG/L	U
FD06290401	A	SPC	15	1	CHROMIUM	N	2	2004	5.6	UG/L	U
ASPC3A04	A	SPC	15	1	CHROMIUM	N	3	2004	5.6	UG/L	U
ASPC4A04	A	SPC	15	1	CHROMIUM	N	4	2004	5.6	UG/L	U

Table 7.14. Raw Data for Chromium. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC02P21A04F	A	C02P2	1	1	CHROMIUM	Y	1	2004	5	UG/L	U
AC02P22A04F	A	C02P2	1	1	CHROMIUM	Y	2	2004	5	UG/L	U
AC02P23A04F	A	C02P2	1	1	CHROMIUM	Y	3	2004	5	UG/L	U
AC02P24A04F	A	C02P2	1	1	CHROMIUM	Y	4	2004	5	UG/L	UNJ
AC031A04F	A	C03	2	1	CHROMIUM	Y	1	2004	5	UG/L	U
AC032A04F	A	C03	2	1	CHROMIUM	Y	2	2004	5	UG/L	U
AC033A04F	A	C03	2	1	CHROMIUM	Y	3	2004	5	UG/L	U
AC034A04F	A	C03	2	1	CHROMIUM	Y	4	2004	5	UG/L	UN
AC041A04F	A	C04	3	1	CHROMIUM	Y	1	2004	5	UG/L	U
AC042A04F	A	C04	3	1	CHROMIUM	Y	2	2004	5	UG/L	U
AC043A04F	A	C04	3	1	CHROMIUM	Y	3	2004	5	UG/L	U
AC044A04F	A	C04	3	1	CHROMIUM	Y	4	2004	10.4	UG/L	NJ
AC071A04F	A	C07	4	1	CHROMIUM	Y	1	2004	5	UG/L	U
AC072A04F	A	C07	4	1	CHROMIUM	Y	2	2004	5	UG/L	U
AC073A04F	A	C07	4	1	CHROMIUM	Y	3	2004	5	UG/L	U
AC074A04F	A	C07	1	1	CHROMIUM	Y	4	2004	11.3	UG/L	NJ
AC08P21A04F	A	C08P2	5	1	CHROMIUM	Y	1	2004	5	UG/L	U
AC08P22A04F	A	C08P2	5	1	CHROMIUM	Y	2	2004	5	UG/L	U
AC08P23A04F	A	C08P2	5	1	CHROMIUM	Y	3	2004	5	UG/L	U
AC08P24A04F	A	C08P2	5	1	CHROMIUM	Y	4	2004	9.6	UG/L	NJ
AC09P21A04F	A	C09P2	6	1	CHROMIUM	Y	1	2004	5	UG/L	U
FD03080401F	A	C09P2	6	1	CHROMIUM	Y	1	2004	5	UG/L	U
AC09P22A04F	A	C09P2	6	1	CHROMIUM	Y	2	2004	5	UG/L	U
AC09P23A04F	A	C09P2	6	1	CHROMIUM	Y	3	2004	5	UG/L	U
AC09P24A04F	A	C09P2	6	1	CHROMIUM	Y	4	2004	7.4	UG/L	NJ
FD12290402F	A	C09P2	6	1	CHROMIUM	Y	4	2004	8.8	UG/L	NJ
AC151A04F	A	C15	7	1	CHROMIUM	Y	1	2004	5	UG/L	U
AC152A04F	A	C15	7	1	CHROMIUM	Y	2	2004	5	UG/L	U
FD06210401F	A	C15	7	1	CHROMIUM	Y	2	2004	5	UG/L	U
AC153A04F	A	C15	7	1	CHROMIUM	Y	3	2004	5	UG/L	U
FD09200402F	A	C15	7	1	CHROMIUM	Y	3	2004	5	UG/L	U
AC154A04F	A	C15	7	1	CHROMIUM	Y	4	2004	5	UG/L	UN
FD12160401F	A	C15	7	1	CHROMIUM	Y	4	2004	5	UG/L	UN
AC171A04F	A	C17	8	1	CHROMIUM	Y	1	2004	5	UG/L	U
AC172A04F	A	C17	8	1	CHROMIUM	Y	2	2004	5	UG/L	U
AC173A04F	A	C17	8	1	CHROMIUM	Y	3	2004	5	UG/L	U
FD09200401F	A	C17	8	1	CHROMIUM	Y	3	2004	5	UG/L	U
AC201A04F	A	C20	9	1	CHROMIUM	Y	1	2004	5	UG/L	U
AC202B04F	A	C20	9	1	CHROMIUM	Y	2	2004	5	UG/L	U
AC203A04F	A	C20	9	1	CHROMIUM	Y	3	2004	5	UG/L	U
AC204A04F	A	C20	9	1	CHROMIUM	Y	4	2004	5.8	UG/L	NJ
AC251A04F	A	C25	10	1	CHROMIUM	Y	1	2004	5	UG/L	U
AC252A04F	A	C25	10	1	CHROMIUM	Y	2	2004	5	UG/L	U

Table 7.14. Raw Data for Chromium. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC253A04F	A	C25	10	1	CHROMIUM	Y	3	2004	5	UG/L	U
AC254A04F	A	C25	10	1	CHROMIUM	Y	4	2004	5	UG/L	UN
AC261A04F	A	C26	11	1	CHROMIUM	Y	1	2004	5	UG/L	U
AC262A04F	A	C26	11	1	CHROMIUM	Y	2	2004	5	UG/L	U
AC263A04F	A	C26	11	1	CHROMIUM	Y	3	2004	5	UG/L	U
AC264A04F	A	C26	11	1	CHROMIUM	Y	4	2004	12.5	UG/L	NJ
AC271A04F	A	C27	12	1	CHROMIUM	Y	1	2004	5	UG/L	U
AC272A04F	A	C27	12	1	CHROMIUM	Y	2	2004	5	UG/L	U
AC273A04F	A	C27	12	1	CHROMIUM	Y	3	2004	5	UG/L	U
AC301A04F	A	C30	13	1	CHROMIUM	Y	1	2004	5	UG/L	U
AC302A04F	A	C30	13	1	CHROMIUM	Y	2	2004	5	UG/L	U
AC303A04F	A	C30	13	1	CHROMIUM	Y	3	2004	5	UG/L	U
AC304A04F	A	C30	13	1	CHROMIUM	Y	4	2004	5.3	UG/L	NJ
ASPA1A04F	A	SPA	14	1	CHROMIUM	Y	1	2004	5	UG/L	U
ASPA2A04F	A	SPA	14	1	CHROMIUM	Y	2	2004	5	UG/L	U
ASPA3A04F	A	SPA	14	1	CHROMIUM	Y	3	2004	5	UG/L	U
ASPA4A04F	A	SPA	14	1	CHROMIUM	Y	4	2004	5	UG/L	UN
ASPC1A04F	A	SPC	15	1	CHROMIUM	Y	1	2004	5	UG/L	U
FD03030401F	A	SPC	15	1	CHROMIUM	Y	1	2004	5	UG/L	U
ASPC2A04F	A	SPC	15	1	CHROMIUM	Y	2	2004	5	UG/L	U
FD06290401F	A	SPC	15	1	CHROMIUM	Y	2	2004	5	UG/L	U
ASPC3A04F	A	SPC	15	1	CHROMIUM	Y	3	2004	5	UG/L	U
ASPC4A04F	A	SPC	15	1	CHROMIUM	Y	4	2004	5	UG/L	UN
DC021A04	D	C02	1	1	CHROMIUM	N	1	2004	5.6	UG/L	U
DC023A04	D	C02	1	1	CHROMIUM	N	3	2004	5.6	UG/L	U
DC031A04	D	C03	2	1	CHROMIUM	N	1	2004	5.6	UG/L	U
DC033A04	D	C03	2	1	CHROMIUM	N	3	2004	5.6	UG/L	U
FD07210401	D	C03	2	1	CHROMIUM	N	3	2004	5.6	UG/L	U
DC041A04	D	C04	3	1	CHROMIUM	N	1	2004	5.6	UG/L	U
FD01140401	D	C04	3	1	CHROMIUM	N	1	2004	5.6	UG/L	U
DC043A04	D	C04	3	1	CHROMIUM	N	3	2004	5.6	UG/L	U
FD07150401	D	C04	3	1	CHROMIUM	N	3	2004	5.6	UG/L	U
DC051A04	D	C05	4	1	CHROMIUM	N	1	2004	5.6	UG/L	U
DC053A04	D	C05	4	1	CHROMIUM	N	3	2004	5.6	UG/L	U
DC061A04	D	C06	5	1	CHROMIUM	N	1	2004	5.6	UG/L	U
FD01080401	D	C06	5	1	CHROMIUM	N	1	2004	5.6	UG/L	U
DC063A04	D	C06	5	1	CHROMIUM	N	3	2004	5.6	UG/L	U
DC071A04	D	C07	6	1	CHROMIUM	N	1	2004	5.6	UG/L	U
DC073A04	D	C07	6	1	CHROMIUM	N	3	2004	5.6	UG/L	U
DC081A04	D	C08	7	1	CHROMIUM	N	1	2004	5.6	UG/L	U
DC083A04	D	C08	7	1	CHROMIUM	N	3	2004	5.6	UG/L	U
DC021A04F	D	C02	1	1	CHROMIUM	Y	1	2004	5	UG/L	U
DC023A04F	D	C02	1	1	CHROMIUM	Y	3	2004	5	UG/L	U

Table 7.14. Raw Data for Chromium. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
DC031A04F	D	C03	2	1	CHROMIUM	Y	1	2004	5	UG/L	U
DC033A04F	D	C03	2	1	CHROMIUM	Y	3	2004	5	UG/L	U
FD07210401F	D	C03	2	1	CHROMIUM	Y	3	2004	5	UG/L	U
DC041A04F	D	C04	3	1	CHROMIUM	Y	1	2004	5	UG/L	U
FD01140401F	D	C04	3	1	CHROMIUM	Y	1	2004	5	UG/L	U
DC043A04F	D	C04	3	1	CHROMIUM	Y	3	2004	5	UG/L	U
FD07150401F	D	C04	3	1	CHROMIUM	Y	3	2004	5	UG/L	U
DC051A04F	D	C05	4	1	CHROMIUM	Y	1	2004	5	UG/L	U
DC053A04F	D	C05	4	1	CHROMIUM	Y	3	2004	5	UG/L	U
DC061A04F	D	C06	5	1	CHROMIUM	Y	1	2004	5	UG/L	U
FD01080401F	D	C06	5	1	CHROMIUM	Y	1	2004	5	UG/L	U
DC063A04F	D	C06	5	1	CHROMIUM	Y	3	2004	5	UG/L	U
DC071A04F	D	C07	6	1	CHROMIUM	Y	1	2004	5	UG/L	U
DC073A04F	D	C07	6	1	CHROMIUM	Y	3	2004	5	UG/L	U
DC081A04F	D	C08	7	1	CHROMIUM	Y	1	2004	5	UG/L	U
DC083A04F	D	C08	7	1	CHROMIUM	Y	3	2004	5	UG/L	U
DC03P21A04	D	C03P2	1	2	CHROMIUM	N	1	2004	5.6	UG/L	U
DC03P23A04	D	C03P2	1	2	CHROMIUM	N	3	2004	5.6	UG/L	U
DC04P21A04	D	C04P2	2	2	CHROMIUM	N	1	2004	5.6	UG/L	U
DC04P23A04	D	C04P2	2	2	CHROMIUM	N	3	2004	5.6	UG/L	U
DC06P21A04	D	C06P2	3	2	CHROMIUM	N	1	2004	5.6	UG/L	U
DC06P23A04	D	C06P2	3	2	CHROMIUM	N	3	2004	5.6	UG/L	U
DC08P21A04	D	C08P2	4	2	CHROMIUM	N	1	2004	5.6	UG/L	U
DC08P23A04	D	C08P2	4	2	CHROMIUM	N	3	2004	5.6	UG/L	U
DC03P21A04F	D	C03P2	1	2	CHROMIUM	Y	1	2004	5	UG/L	U
DC03P23A04F	D	C03P2	1	2	CHROMIUM	Y	3	2004	5	UG/L	U
DC04P21A04F	D	C04P2	2	2	CHROMIUM	Y	1	2004	5	UG/L	U
DC04P23A04F	D	C04P2	2	2	CHROMIUM	Y	3	2004	5	UG/L	U
DC06P21A04F	D	C06P2	3	2	CHROMIUM	Y	1	2004	5	UG/L	U
DC06P23A04F	D	C06P2	3	2	CHROMIUM	Y	3	2004	5	UG/L	U
DC08P21A04F	D	C08P2	4	2	CHROMIUM	Y	1	2004	5	UG/L	U
DC08P23A04F	D	C08P2	4	2	CHROMIUM	Y	3	2004	5	UG/L	U
OC081A04	O	C08	1	1	CHROMIUM	N	1	2004	5.6	UG/L	U
OC082A04	O	C08	1	1	CHROMIUM	N	2	2004	5.6	UG/L	U
OC083A04	O	C08	1	1	CHROMIUM	N	3	2004	5.6	UG/L	U
OC084A04	O	C08	1	1	CHROMIUM	N	4	2004	5.6	UG/L	U
OC111A04	O	C11	2	1	CHROMIUM	N	1	2004	5.6	UG/L	U
OC112A04	O	C11	2	1	CHROMIUM	N	2	2004	5.6	UG/L	U
OC113A04	O	C11	2	1	CHROMIUM	N	3	2004	5.6	UG/L	U
OC114A04	O	C11	2	1	CHROMIUM	N	4	2004	5.6	UG/L	U
OC121A04	O	C12	3	1	CHROMIUM	N	1	2004	5.6	UG/L	U
OC122A04	O	C12	3	1	CHROMIUM	N	2	2004	5.6	UG/L	U
OC123A04	O	C12	3	1	CHROMIUM	N	3	2004	5.6	UG/L	U

Table 7.14. Raw Data for Chromium. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
OC124A04	O	C12	3	1	CHROMIUM	N	4	2004	5.6	UG/L	U
OC131A04	O	C13	4	1	CHROMIUM	N	1	2004	5.6	UG/L	U
OC132A04	O	C13	4	1	CHROMIUM	N	2	2004	5.6	UG/L	U
OC133A04	O	C13	4	1	CHROMIUM	N	3	2004	5.6	UG/L	U
OC134A04	O	C13	4	1	CHROMIUM	N	4	2004	5.6	UG/L	U
OC141A04	O	C14	5	1	CHROMIUM	N	1	2004	6.5	UG/L	
OC142A04	O	C14	5	1	CHROMIUM	N	2	2004	5.6	UG/L	U
OC143A04	O	C14	5	1	CHROMIUM	N	3	2004	5.6	UG/L	U
OC144A04	O	C14	5	1	CHROMIUM	N	4	2004	5.6	UG/L	U
OC151A04	O	C15	6	1	CHROMIUM	N	1	2004	5.6	UG/L	U
FD02100401	O	C15	6	1	CHROMIUM	N	1	2004	5.6	UG/L	U
OC152A04	O	C15	6	1	CHROMIUM	N	2	2004	5.6	UG/L	U
FD05170401	O	C15	6	1	CHROMIUM	N	2	2004	5.6	UG/L	U
OC153A04	O	C15	6	1	CHROMIUM	N	3	2004	5.6	UG/L	U
FD08170401	O	C15	6	1	CHROMIUM	N	3	2004	5.6	UG/L	U
OC154A04	O	C15	6	1	CHROMIUM	N	4	2004	5.6	UG/L	U
FD11160401	O	C15	6	1	CHROMIUM	N	4	2004	5.6	UG/L	U
OC161A04	O	C16	7	1	CHROMIUM	N	1	2004	5.6	UG/L	U
FD02110401	O	C16	7	1	CHROMIUM	N	1	2004	5.6	UG/L	U
OC162A04	O	C16	7	1	CHROMIUM	N	2	2004	5.6	UG/L	U
FD05030401	O	C16	7	1	CHROMIUM	N	2	2004	5.6	UG/L	U
OC163A04	O	C16	7	1	CHROMIUM	N	3	2004	5.6	UG/L	U
OC164A04	O	C16	7	1	CHROMIUM	N	4	2004	5.6	UG/L	U
FD11230402	O	C16	7	1	CHROMIUM	N	4	2004	5.6	UG/L	U
OC181A04	O	C18	8	1	CHROMIUM	N	1	2004	5.6	UG/L	U
OC182A04	O	C18	8	1	CHROMIUM	N	2	2004	5.6	UG/L	U
OC183A04	O	C18	8	1	CHROMIUM	N	3	2004	5.6	UG/L	U
OC184A04	O	C18	8	1	CHROMIUM	N	4	2004	5.6	UG/L	U
OC191A04	O	C19	9	1	CHROMIUM	N	1	2004	5.6	UG/L	U
OC192A04	O	C19	9	1	CHROMIUM	N	2	2004	5.6	UG/L	U
OC193A04	O	C19	9	1	CHROMIUM	N	3	2004	5.6	UG/L	U
FD09010401	O	C19	9	1	CHROMIUM	N	3	2004	5.6	UG/L	U
OC194A04	O	C19	9	1	CHROMIUM	N	4	2004	5.6	UG/L	U
OC081A04F	O	C08	1	1	CHROMIUM	Y	1	2004	5	UG/L	U
OC082A04F	O	C08	1	1	CHROMIUM	Y	2	2004	5	UG/L	U
OC083A04F	O	C08	1	1	CHROMIUM	Y	3	2004	5	UG/L	U
OC084A04F	O	C08	1	1	CHROMIUM	Y	4	2004	5	UG/L	U
OC111A04F	O	C11	2	1	CHROMIUM	Y	1	2004	5	UG/L	U
OC112A04F	O	C11	2	1	CHROMIUM	Y	2	2004	5	UG/L	U
OC113A04F	O	C11	2	1	CHROMIUM	Y	3	2004	5	UG/L	U
OC114A04F	O	C11	2	1	CHROMIUM	Y	4	2004	5	UG/L	U
OC121A04F	O	C12	3	1	CHROMIUM	Y	1	2004	5	UG/L	U
OC122A04F	O	C12	3	1	CHROMIUM	Y	2	2004	5	UG/L	U

Table 7.14. Raw Data for Chromium. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
OC123A04F	O	C12	3	1	CHROMIUM	Y	3	2004	5	UG/L	U
OC124A04F	O	C12	3	1	CHROMIUM	Y	4	2004	5	UG/L	U
OC131A04F	O	C13	4	1	CHROMIUM	Y	1	2004	5	UG/L	U
OC132A04F	O	C13	4	1	CHROMIUM	Y	2	2004	5	UG/L	U
OC133A04F	O	C13	4	1	CHROMIUM	Y	3	2004	5	UG/L	U
OC134A04F	O	C13	4	1	CHROMIUM	Y	4	2004	5	UG/L	U
OC141A04F	O	C14	5	1	CHROMIUM	Y	1	2004	5	UG/L	U
OC142A04F	O	C14	5	1	CHROMIUM	Y	2	2004	5	UG/L	U
OC143A04F	O	C14	5	1	CHROMIUM	Y	3	2004	5	UG/L	U
OC144A04F	O	C14	5	1	CHROMIUM	Y	4	2004	5	UG/L	U
OC151A04F	O	C15	6	1	CHROMIUM	Y	1	2004	5	UG/L	U
FD02100401F	O	C15	6	1	CHROMIUM	Y	1	2004	5	UG/L	U
OC152A04F	O	C15	6	1	CHROMIUM	Y	2	2004	5	UG/L	U
FD05170401F	O	C15	6	1	CHROMIUM	Y	2	2004	5	UG/L	U
OC153A04F	O	C15	6	1	CHROMIUM	Y	3	2004	5	UG/L	U
FD08170401F	O	C15	6	1	CHROMIUM	Y	3	2004	5	UG/L	U
OC154A04F	O	C15	6	1	CHROMIUM	Y	4	2004	5	UG/L	U
FD11160401F	O	C15	6	1	CHROMIUM	Y	4	2004	5	UG/L	U
OC161A04F	O	C16	7	1	CHROMIUM	Y	1	2004	5	UG/L	U
FD02110401F	O	C16	7	1	CHROMIUM	Y	1	2004	5	UG/L	U
OC162A04F	O	C16	7	1	CHROMIUM	Y	2	2004	5	UG/L	U
FD05030401F	O	C16	7	1	CHROMIUM	Y	2	2004	5	UG/L	U
OC163A04F	O	C16	7	1	CHROMIUM	Y	3	2004	5	UG/L	U
OC164A04F	O	C16	7	1	CHROMIUM	Y	4	2004	5	UG/L	U
FD11230402F	O	C16	7	1	CHROMIUM	Y	4	2004	5	UG/L	U
OC181A04F	O	C18	8	1	CHROMIUM	Y	1	2004	5	UG/L	U
OC182A04F	O	C18	8	1	CHROMIUM	Y	2	2004	5	UG/L	U
OC183A04F	O	C18	8	1	CHROMIUM	Y	3	2004	5	UG/L	U
OC184A04F	O	C18	8	1	CHROMIUM	Y	4	2004	5	UG/L	U
OC191A04F	O	C19	9	1	CHROMIUM	Y	1	2004	5	UG/L	U
OC192A04F	O	C19	9	1	CHROMIUM	Y	2	2004	5	UG/L	U
OC193A04F	O	C19	9	1	CHROMIUM	Y	3	2004	5	UG/L	U
FD09010401F	O	C19	9	1	CHROMIUM	Y	3	2004	5	UG/L	U
OC194A04F	O	C19	9	1	CHROMIUM	Y	4	2004	5	UG/L	U
OC11P21A04	O	C11P2	1	2	CHROMIUM	N	1	2004	5.6	UG/L	U
OC11P22A04	O	C11P2	1	2	CHROMIUM	N	2	2004	5.6	UG/L	U
OC11P23A04	O	C11P2	1	2	CHROMIUM	N	3	2004	5.6	UG/L	U
OC11P24A04	O	C11P2	1	2	CHROMIUM	N	4	2004	5.6	UG/L	U
OC13P21A04	O	C13P2	2	2	CHROMIUM	N	1	2004	5.6	UG/L	U
OC13P22A04	O	C13P2	2	2	CHROMIUM	N	2	2004	5.6	UG/L	U
OC13P23A04	O	C13P2	2	2	CHROMIUM	N	3	2004	5.6	UG/L	U
OC13P24A04	O	C13P2	2	2	CHROMIUM	N	4	2004	5.6	UG/L	U
OC14P21A04	O	C14P2	3	2	CHROMIUM	N	1	2004	5.6	UG/L	U

Table 7.14. Raw Data for Chromium. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
OC14P22A04	O	C14P2	3	2	CHROMIUM	N	2	2004	5.6	UG/L	U
OC14P23A04	O	C14P2	3	2	CHROMIUM	N	3	2004	5.6	UG/L	U
OC14P24A04	O	C14P2	3	2	CHROMIUM	N	4	2004	5.6	UG/L	U
OC18P21A04	O	C18P2	4	2	CHROMIUM	N	1	2004	5.6	UG/L	U
OC18P22A04	O	C18P2	4	2	CHROMIUM	N	2	2004	5.6	UG/L	U
OC18P23A04	O	C18P2	4	2	CHROMIUM	N	3	2004	5.6	UG/L	U
OC18P24A04	O	C18P2	4	2	CHROMIUM	N	4	2004	5.6	UG/L	U
OC19P21A04	O	C19P2	5	2	CHROMIUM	N	1	2004	5.6	UG/L	U
OC19P22A04	O	C19P2	5	2	CHROMIUM	N	2	2004	5.6	UG/L	U
OC19P23A04	O	C19P2	5	2	CHROMIUM	N	3	2004	5.6	UG/L	U
OC19P24A04	O	C19P2	5	2	CHROMIUM	N	4	2004	5.6	UG/L	U
OC11P21A04F	O	C11P2	1	2	CHROMIUM	Y	1	2004	5	UG/L	U
OC11P22A04F	O	C11P2	1	2	CHROMIUM	Y	2	2004	5	UG/L	U
OC11P23A04F	O	C11P2	1	2	CHROMIUM	Y	3	2004	5	UG/L	U
OC11P24A04F	O	C11P2	1	2	CHROMIUM	Y	4	2004	5	UG/L	U
OC13P21A04F	O	C13P2	2	2	CHROMIUM	Y	1	2004	5	UG/L	U
OC13P22A04F	O	C13P2	2	2	CHROMIUM	Y	2	2004	5	UG/L	U
OC13P23A04F	O	C13P2	2	2	CHROMIUM	Y	3	2004	5	UG/L	U
OC13P24A04F	O	C13P2	2	2	CHROMIUM	Y	4	2004	5	UG/L	U
OC14P21A04F	O	C14P2	3	2	CHROMIUM	Y	1	2004	5	UG/L	U
OC14P22A04F	O	C14P2	3	2	CHROMIUM	Y	2	2004	5	UG/L	U
OC14P23A04F	O	C14P2	3	2	CHROMIUM	Y	3	2004	5	UG/L	U
OC14P24A04F	O	C14P2	3	2	CHROMIUM	Y	4	2004	5	UG/L	U
OC18P21A04F	O	C18P2	4	2	CHROMIUM	Y	1	2004	5	UG/L	U
OC18P22A04F	O	C18P2	4	2	CHROMIUM	Y	2	2004	5	UG/L	U
OC18P23A04F	O	C18P2	4	2	CHROMIUM	Y	3	2004	5	UG/L	U
OC18P24A04F	O	C18P2	4	2	CHROMIUM	Y	4	2004	5	UG/L	U
OC19P21A04F	O	C19P2	5	2	CHROMIUM	Y	1	2004	5	UG/L	U
OC19P22A04F	O	C19P2	5	2	CHROMIUM	Y	2	2004	5	UG/L	U
OC19P23A04F	O	C19P2	5	2	CHROMIUM	Y	3	2004	5	UG/L	U
OC19P24A04F	O	C19P2	5	2	CHROMIUM	Y	4	2004	5	UG/L	U

Table 7.15. Raw Data for Cobalt.

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC02P21A04	A	C02P2	1	1	COBALT	N	1	2004	3.3	UG/L	U
AC02P22A04	A	C02P2	1	1	COBALT	N	2	2004	3.3	UG/L	U
AC02P23A04	A	C02P2	1	1	COBALT	N	3	2004	3.3	UG/L	U
AC02P24A04	A	C02P2	1	1	COBALT	N	4	2004	3.3	UG/L	U
AC031A04	A	C03	2	1	COBALT	N	1	2004	3.3	UG/L	U
AC032A04	A	C03	2	1	COBALT	N	2	2004	3.3	UG/L	U
AC033A04	A	C03	2	1	COBALT	N	3	2004	3.3	UG/L	U
AC034A04	A	C03	2	1	COBALT	N	4	2004	3.3	UG/L	U

Table 7.15. Raw Data for Cobalt. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC041A04	A	C04	3	1	COBALT	N	1	2004	3.3	UG/L	U
AC042A04	A	C04	3	1	COBALT	N	2	2004	3.3	UG/L	U
AC043A04	A	C04	3	1	COBALT	N	3	2004	3.3	UG/L	U
AC044A04	A	C04	3	1	COBALT	N	4	2004	3.3	UG/L	U
AC071A04	A	C07	4	1	COBALT	N	1	2004	3.3	UG/L	U
AC072A04	A	C07	4	1	COBALT	N	2	2004	3.3	UG/L	U
AC073A04	A	C07	4	1	COBALT	N	3	2004	3.3	UG/L	U
AC074A04	A	C07	4	1	COBALT	N	4	2004	3.3	UG/L	U
AC08P21A04	A	C08P2	5	1	COBALT	N	1	2004	3.3	UG/L	U
AC08P22A04	A	C08P2	5	1	COBALT	N	2	2004	3.3	UG/L	U
AC08P23A04	A	C08P2	5	1	COBALT	N	3	2004	3.3	UG/L	U
AC08P24A04	A	C08P2	5	1	COBALT	N	4	2004	3.3	UG/L	U
AC09P21A04	A	C09P2	6	1	COBALT	N	1	2004	3.3	UG/L	U
FD03080401	A	C09P2	6	1	COBALT	N	1	2004	3.3	UG/L	U
AC09P22A04	A	C09P2	6	1	COBALT	N	2	2004	3.3	UG/L	U
AC09P23A04	A	C09P2	6	1	COBALT	N	3	2004	3.3	UG/L	U
AC09P24A04	A	C09P2	6	1	COBALT	N	4	2004	3.3	UG/L	U
FD12290402	A	C09P2	6	1	COBALT	N	4	2004	3.3	UG/L	U
AC151A04	A	C15	7	1	COBALT	N	1	2004	3.3	UG/L	U
AC152A04	A	C15	7	1	COBALT	N	2	2004	3.3	UG/L	U
FD06210401	A	C15	7	1	COBALT	N	2	2004	3.3	UG/L	U
AC153A04	A	C15	7	1	COBALT	N	3	2004	3.3	UG/L	U
FD09200402	A	C15	7	1	COBALT	N	3	2004	3.3	UG/L	U
AC154A04	A	C15	7	1	COBALT	N	4	2004	3.3	UG/L	U
FD12160401	A	C15	7	1	COBALT	N	4	2004	3.3	UG/L	U
AC171A04	A	C17	8	1	COBALT	N	1	2004	3.3	UG/L	U
AC172A04	A	C17	8	1	COBALT	N	2	2004	3.3	UG/L	U
AC173A04	A	C17	8	1	COBALT	N	3	2004	3.3	UG/L	U
FD09200401	A	C17	8	1	COBALT	N	3	2004	3.3	UG/L	U
AC201A04	A	C20	9	1	COBALT	N	1	2004	3.3	UG/L	U
AC202B04	A	C20	9	1	COBALT	N	2	2004	3.3	UG/L	U
AC203A04	A	C20	9	1	COBALT	N	3	2004	3.3	UG/L	U
AC204A04	A	C20	9	1	COBALT	N	4	2004	3.3	UG/L	U
AC251A04	A	C25	10	1	COBALT	N	1	2004	3.3	UG/L	U
AC252A04	A	C25	10	1	COBALT	N	2	2004	3.3	UG/L	U
AC253A04	A	C25	10	1	COBALT	N	3	2004	3.3	UG/L	U
AC254A04	A	C25	10	1	COBALT	N	4	2004	3.3	UG/L	U
AC261A04	A	C26	11	1	COBALT	N	1	2004	3.3	UG/L	U
AC262A04	A	C26	11	1	COBALT	N	2	2004	3.3	UG/L	U
AC263A04	A	C26	11	1	COBALT	N	3	2004	3.3	UG/L	U
AC264A04	A	C26	11	1	COBALT	N	4	2004	3.3	UG/L	U
AC271A04	A	C27	12	1	COBALT	N	1	2004	3.3	UG/L	U
AC272A04	A	C27	12	1	COBALT	N	2	2004	3.3	UG/L	U
AC273A04	A	C27	12	1	COBALT	N	3	2004	3.3	UG/L	U

Table 7.15. Raw Data for Cobalt. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC301A04	A	C30	13	1	COBALT	N	1	2004	3.3	UG/L	U
AC302A04	A	C30	13	1	COBALT	N	2	2004	3.3	UG/L	U
AC303A04	A	C30	13	1	COBALT	N	3	2004	3.3	UG/L	U
AC304A04	A	C30	13	1	COBALT	N	4	2004	3.3	UG/L	U
ASPA1A04	A	SPA	14	1	COBALT	N	1	2004	3.3	UG/L	U
ASPA2A04	A	SPA	14	1	COBALT	N	2	2004	3.3	UG/L	U
ASPA3A04	A	SPA	14	1	COBALT	N	3	2004	3.3	UG/L	U
ASPA4A04	A	SPA	14	1	COBALT	N	4	2004	3.3	UG/L	U
ASPC1A04	A	SPC	15	1	COBALT	N	1	2004	3.3	UG/L	U
FD03030401	A	SPC	15	1	COBALT	N	1	2004	3.3	UG/L	U
ASPC2A04	A	SPC	15	1	COBALT	N	2	2004	3.3	UG/L	U
FD06290401	A	SPC	15	1	COBALT	N	2	2004	3.3	UG/L	U
ASPC3A04	A	SPC	15	1	COBALT	N	3	2004	3.3	UG/L	U
ASPC4A04	A	SPC	15	1	COBALT	N	4	2004	3.3	UG/L	U
AC02P21A04F	A	C02P2	1	1	COBALT	Y	1	2004	3	UG/L	U
AC02P22A04F	A	C02P2	1	1	COBALT	Y	2	2004	3	UG/L	U
AC02P23A04F	A	C02P2	1	1	COBALT	Y	3	2004	3	UG/L	U
AC02P24A04F	A	C02P2	1	1	COBALT	Y	4	2004	3	UG/L	U
AC031A04F	A	C03	2	1	COBALT	Y	1	2004	3	UG/L	U
AC032A04F	A	C03	2	1	COBALT	Y	2	2004	3	UG/L	U
AC033A04F	A	C03	2	1	COBALT	Y	3	2004	3	UG/L	U
AC034A04F	A	C03	2	1	COBALT	Y	4	2004	3	UG/L	U
AC041A04F	A	C04	3	1	COBALT	Y	1	2004	3	UG/L	U
AC042A04F	A	C04	3	1	COBALT	Y	2	2004	3	UG/L	U
AC043A04F	A	C04	3	1	COBALT	Y	3	2004	3	UG/L	U
AC044A04F	A	C04	3	1	COBALT	Y	4	2004	3	UG/L	U
AC071A04F	A	C07	4	1	COBALT	Y	1	2004	3	UG/L	U
AC072A04F	A	C07	4	1	COBALT	Y	2	2004	3	UG/L	U
AC073A04F	A	C07	4	1	COBALT	Y	3	2004	3	UG/L	U
AC074A04F	A	C07	1	1	COBALT	Y	4	2004	3	UG/L	U
AC08P21A04F	A	C08P2	5	1	COBALT	Y	1	2004	3	UG/L	U
AC08P22A04F	A	C08P2	5	1	COBALT	Y	2	2004	3	UG/L	U
AC08P23A04F	A	C08P2	5	1	COBALT	Y	3	2004	3	UG/L	U
AC08P24A04F	A	C08P2	5	1	COBALT	Y	4	2004	3	UG/L	U
AC09P21A04F	A	C09P2	6	1	COBALT	Y	1	2004	3	UG/L	U
FD03080401F	A	C09P2	6	1	COBALT	Y	1	2004	3	UG/L	U
AC09P22A04F	A	C09P2	6	1	COBALT	Y	2	2004	3	UG/L	U
AC09P23A04F	A	C09P2	6	1	COBALT	Y	3	2004	3	UG/L	U
AC09P24A04F	A	C09P2	6	1	COBALT	Y	4	2004	3	UG/L	U
FD12290402F	A	C09P2	6	1	COBALT	Y	4	2004	3	UG/L	U
AC151A04F	A	C15	7	1	COBALT	Y	1	2004	3	UG/L	U
AC152A04F	A	C15	7	1	COBALT	Y	2	2004	3	UG/L	U
FD06210401F	A	C15	7	1	COBALT	Y	2	2004	3	UG/L	U
AC153A04F	A	C15	7	1	COBALT	Y	3	2004	3	UG/L	U

Table 7.15. Raw Data for Cobalt. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
FD09200402F	A	C15	7	1	COBALT	Y	3	2004	3	UG/L	U
AC154A04F	A	C15	7	1	COBALT	Y	4	2004	3	UG/L	U
FD12160401F	A	C15	7	1	COBALT	Y	4	2004	3	UG/L	U
AC171A04F	A	C17	8	1	COBALT	Y	1	2004	3	UG/L	U
AC172A04F	A	C17	8	1	COBALT	Y	2	2004	3	UG/L	U
AC173A04F	A	C17	8	1	COBALT	Y	3	2004	3	UG/L	U
FD09200401F	A	C17	8	1	COBALT	Y	3	2004	3	UG/L	U
AC201A04F	A	C20	9	1	COBALT	Y	1	2004	3	UG/L	U
AC202B04F	A	C20	9	1	COBALT	Y	2	2004	3	UG/L	U
AC203A04F	A	C20	9	1	COBALT	Y	3	2004	3	UG/L	U
AC204A04F	A	C20	9	1	COBALT	Y	4	2004	3	UG/L	U
AC251A04F	A	C25	10	1	COBALT	Y	1	2004	3	UG/L	U
AC252A04F	A	C25	10	1	COBALT	Y	2	2004	3	UG/L	U
AC253A04F	A	C25	10	1	COBALT	Y	3	2004	3	UG/L	U
AC254A04F	A	C25	10	1	COBALT	Y	4	2004	3	UG/L	U
AC261A04F	A	C26	11	1	COBALT	Y	1	2004	3	UG/L	U
AC262A04F	A	C26	11	1	COBALT	Y	2	2004	3	UG/L	U
AC263A04F	A	C26	11	1	COBALT	Y	3	2004	3	UG/L	U
AC264A04F	A	C26	11	1	COBALT	Y	4	2004	3	UG/L	U
AC271A04F	A	C27	12	1	COBALT	Y	1	2004	3	UG/L	U
AC272A04F	A	C27	12	1	COBALT	Y	2	2004	3	UG/L	U
AC273A04F	A	C27	12	1	COBALT	Y	3	2004	3	UG/L	U
AC301A04F	A	C30	13	1	COBALT	Y	1	2004	3	UG/L	U
AC302A04F	A	C30	13	1	COBALT	Y	2	2004	3	UG/L	U
AC303A04F	A	C30	13	1	COBALT	Y	3	2004	3	UG/L	U
AC304A04F	A	C30	13	1	COBALT	Y	4	2004	3	UG/L	U
ASPA1A04F	A	SPA	14	1	COBALT	Y	1	2004	3	UG/L	U
ASPA2A04F	A	SPA	14	1	COBALT	Y	2	2004	3	UG/L	U
ASPA3A04F	A	SPA	14	1	COBALT	Y	3	2004	3	UG/L	U
ASPA4A04F	A	SPA	14	1	COBALT	Y	4	2004	3	UG/L	U
ASPC1A04F	A	SPC	15	1	COBALT	Y	1	2004	3	UG/L	U
FD03030401F	A	SPC	15	1	COBALT	Y	1	2004	3	UG/L	U
ASPC2A04F	A	SPC	15	1	COBALT	Y	2	2004	3	UG/L	U
FD06290401F	A	SPC	15	1	COBALT	Y	2	2004	3	UG/L	U
ASPC3A04F	A	SPC	15	1	COBALT	Y	3	2004	3	UG/L	U
ASPC4A04F	A	SPC	15	1	COBALT	Y	4	2004	3	UG/L	U
DC021A04	D	C02	1	1	COBALT	N	1	2004	3.3	UG/L	U
DC023A04	D	C02	1	1	COBALT	N	3	2004	3.3	UG/L	U
DC031A04	D	C03	2	1	COBALT	N	1	2004	3.3	UG/L	U
DC033A04	D	C03	2	1	COBALT	N	3	2004	3.3	UG/L	U
FD07210401	D	C03	2	1	COBALT	N	3	2004	3.3	UG/L	U
DC041A04	D	C04	3	1	COBALT	N	1	2004	3.3	UG/L	U
FD01140401	D	C04	3	1	COBALT	N	1	2004	3.3	UG/L	U
DC043A04	D	C04	3	1	COBALT	N	3	2004	3.3	UG/L	U

Table 7.15. Raw Data for Cobalt. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
FD07150401	D	C04	3	1	COBALT	N	3	2004	3.3	UG/L	U
DC051A04	D	C05	4	1	COBALT	N	1	2004	3.3	UG/L	U
DC053A04	D	C05	4	1	COBALT	N	3	2004	3.3	UG/L	U
DC061A04	D	C06	5	1	COBALT	N	1	2004	3.3	UG/L	U
FD01080401	D	C06	5	1	COBALT	N	1	2004	3.3	UG/L	U
DC063A04	D	C06	5	1	COBALT	N	3	2004	3.3	UG/L	U
DC071A04	D	C07	6	1	COBALT	N	1	2004	3.3	UG/L	U
DC073A04	D	C07	6	1	COBALT	N	3	2004	3.3	UG/L	U
DC081A04	D	C08	7	1	COBALT	N	1	2004	3.3	UG/L	U
DC083A04	D	C08	7	1	COBALT	N	3	2004	3.3	UG/L	U
DC021A04F	D	C02	1	1	COBALT	Y	1	2004	3	UG/L	U
DC023A04F	D	C02	1	1	COBALT	Y	3	2004	3	UG/L	U
DC031A04F	D	C03	2	1	COBALT	Y	1	2004	3	UG/L	U
DC033A04F	D	C03	2	1	COBALT	Y	3	2004	3	UG/L	U
FD07210401F	D	C03	2	1	COBALT	Y	3	2004	3	UG/L	U
DC041A04F	D	C04	3	1	COBALT	Y	1	2004	3	UG/L	U
FD01140401F	D	C04	3	1	COBALT	Y	1	2004	3	UG/L	U
DC043A04F	D	C04	3	1	COBALT	Y	3	2004	3	UG/L	U
FD07150401F	D	C04	3	1	COBALT	Y	3	2004	3	UG/L	U
DC051A04F	D	C05	4	1	COBALT	Y	1	2004	3	UG/L	U
DC053A04F	D	C05	4	1	COBALT	Y	3	2004	3	UG/L	U
DC061A04F	D	C06	5	1	COBALT	Y	1	2004	3	UG/L	U
FD01080401F	D	C06	5	1	COBALT	Y	1	2004	3	UG/L	U
DC063A04F	D	C06	5	1	COBALT	Y	3	2004	3	UG/L	U
DC071A04F	D	C07	6	1	COBALT	Y	1	2004	3	UG/L	U
DC073A04F	D	C07	6	1	COBALT	Y	3	2004	3	UG/L	U
DC081A04F	D	C08	7	1	COBALT	Y	1	2004	3	UG/L	U
DC083A04F	D	C08	7	1	COBALT	Y	3	2004	3	UG/L	U
DC03P21A04	D	C03P2	1	2	COBALT	N	1	2004	3.3	UG/L	U
DC03P23A04	D	C03P2	1	2	COBALT	N	3	2004	3.3	UG/L	U
DC04P21A04	D	C04P2	2	2	COBALT	N	1	2004	3.3	UG/L	U
DC04P23A04	D	C04P2	2	2	COBALT	N	3	2004	3.3	UG/L	U
DC06P21A04	D	C06P2	3	2	COBALT	N	1	2004	3.3	UG/L	U
DC06P23A04	D	C06P2	3	2	COBALT	N	3	2004	3.3	UG/L	U
DC08P21A04	D	C08P2	4	2	COBALT	N	1	2004	6.4	UG/L	
DC08P23A04	D	C08P2	4	2	COBALT	N	3	2004	6.4	UG/L	
DC03P21A04F	D	C03P2	1	2	COBALT	Y	1	2004	3	UG/L	U
DC03P23A04F	D	C03P2	1	2	COBALT	Y	3	2004	3	UG/L	U
DC04P21A04F	D	C04P2	2	2	COBALT	Y	1	2004	3	UG/L	U
DC04P23A04F	D	C04P2	2	2	COBALT	Y	3	2004	3	UG/L	U
DC06P21A04F	D	C06P2	3	2	COBALT	Y	1	2004	3	UG/L	U
DC06P23A04F	D	C06P2	3	2	COBALT	Y	3	2004	3	UG/L	U
DC08P21A04F	D	C08P2	4	2	COBALT	Y	1	2004	6.2	UG/L	
DC08P23A04F	D	C08P2	4	2	COBALT	Y	3	2004	6.2	UG/L	

Table 7.15. Raw Data for Cobalt. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
OC081A04	O	C08	1	1	COBALT	N	1	2004	3.3	UG/L	U
OC082A04	O	C08	1	1	COBALT	N	2	2004	3.3	UG/L	U
OC083A04	O	C08	1	1	COBALT	N	3	2004	3.3	UG/L	UJ
OC084A04	O	C08	1	1	COBALT	N	4	2004	3.3	UG/L	U
OC111A04	O	C11	2	1	COBALT	N	1	2004	3.3	UG/L	U
OC112A04	O	C11	2	1	COBALT	N	2	2004	3.3	UG/L	U
OC113A04	O	C11	2	1	COBALT	N	3	2004	3.3	UG/L	UJ
OC114A04	O	C11	2	1	COBALT	N	4	2004	3.3	UG/L	U
OC121A04	O	C12	3	1	COBALT	N	1	2004	3.3	UG/L	U
OC122A04	O	C12	3	1	COBALT	N	2	2004	3.3	UG/L	U
OC123A04	O	C12	3	1	COBALT	N	3	2004	3.3	UG/L	UJ
OC124A04	O	C12	3	1	COBALT	N	4	2004	3.3	UG/L	U
OC131A04	O	C13	4	1	COBALT	N	1	2004	3.3	UG/L	U
OC132A04	O	C13	4	1	COBALT	N	2	2004	3.3	UG/L	U
OC133A04	O	C13	4	1	COBALT	N	3	2004	3.3	UG/L	UJ
OC134A04	O	C13	4	1	COBALT	N	4	2004	3.3	UG/L	U
OC141A04	O	C14	5	1	COBALT	N	1	2004	3.3	UG/L	U
OC142A04	O	C14	5	1	COBALT	N	2	2004	3.3	UG/L	U
OC143A04	O	C14	5	1	COBALT	N	3	2004	3.3	UG/L	UJ
OC144A04	O	C14	5	1	COBALT	N	4	2004	3.3	UG/L	U
OC151A04	O	C15	6	1	COBALT	N	1	2004	3.3	UG/L	U
FD02100401	O	C15	6	1	COBALT	N	1	2004	3.3	UG/L	U
OC152A04	O	C15	6	1	COBALT	N	2	2004	3.3	UG/L	U
FD05170401	O	C15	6	1	COBALT	N	2	2004	3.3	UG/L	U
OC153A04	O	C15	6	1	COBALT	N	3	2004	3.3	UG/L	UJ
FD08170401	O	C15	6	1	COBALT	N	3	2004	3.3	UG/L	UJ
OC154A04	O	C15	6	1	COBALT	N	4	2004	3.3	UG/L	U
FD11160401	O	C15	6	1	COBALT	N	4	2004	3.3	UG/L	U
OC161A04	O	C16	7	1	COBALT	N	1	2004	3.3	UG/L	U
FD02110401	O	C16	7	1	COBALT	N	1	2004	3.3	UG/L	U
OC162A04	O	C16	7	1	COBALT	N	2	2004	3.3	UG/L	U
FD05030401	O	C16	7	1	COBALT	N	2	2004	3.3	UG/L	U
OC163A04	O	C16	7	1	COBALT	N	3	2004	3.3	UG/L	UJ
OC164A04	O	C16	7	1	COBALT	N	4	2004	3.3	UG/L	U
FD11230402	O	C16	7	1	COBALT	N	4	2004	3.3	UG/L	U
OC181A04	O	C18	8	1	COBALT	N	1	2004	3.3	UG/L	U
OC182A04	O	C18	8	1	COBALT	N	2	2004	3.3	UG/L	U
OC183A04	O	C18	8	1	COBALT	N	3	2004	3.3	UG/L	UJ
OC184A04	O	C18	8	1	COBALT	N	4	2004	3.3	UG/L	U
OC191A04	O	C19	9	1	COBALT	N	1	2004	3.3	UG/L	U
OC192A04	O	C19	9	1	COBALT	N	2	2004	3.3	UG/L	U
OC193A04	O	C19	9	1	COBALT	N	3	2004	3.3	UG/L	UJ
FD09010401	O	C19	9	1	COBALT	N	3	2004	3.3	UG/L	UJ
OC194A04	O	C19	9	1	COBALT	N	4	2004	3.3	UG/L	U

Table 7.15. Raw Data for Cobalt. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
OC081A04F	O	C08	1	1	COBALT	Y	1	2004	3	UG/L	U
OC082A04F	O	C08	1	1	COBALT	Y	2	2004	3	UG/L	U
OC083A04F	O	C08	1	1	COBALT	Y	3	2004	3	UG/L	U
OC084A04F	O	C08	1	1	COBALT	Y	4	2004	3	UG/L	U
OC111A04F	O	C11	2	1	COBALT	Y	1	2004	3	UG/L	U
OC112A04F	O	C11	2	1	COBALT	Y	2	2004	3	UG/L	U
OC113A04F	O	C11	2	1	COBALT	Y	3	2004	3	UG/L	U
OC114A04F	O	C11	2	1	COBALT	Y	4	2004	3	UG/L	U
OC121A04F	O	C12	3	1	COBALT	Y	1	2004	3	UG/L	U
OC122A04F	O	C12	3	1	COBALT	Y	2	2004	3	UG/L	U
OC123A04F	O	C12	3	1	COBALT	Y	3	2004	3	UG/L	U
OC124A04F	O	C12	3	1	COBALT	Y	4	2004	3	UG/L	U
OC131A04F	O	C13	4	1	COBALT	Y	1	2004	3	UG/L	U
OC132A04F	O	C13	4	1	COBALT	Y	2	2004	3	UG/L	U
OC133A04F	O	C13	4	1	COBALT	Y	3	2004	3	UG/L	U
OC134A04F	O	C13	4	1	COBALT	Y	4	2004	3	UG/L	U
OC141A04F	O	C14	5	1	COBALT	Y	1	2004	3	UG/L	U
OC142A04F	O	C14	5	1	COBALT	Y	2	2004	3	UG/L	U
OC143A04F	O	C14	5	1	COBALT	Y	3	2004	3	UG/L	U
OC144A04F	O	C14	5	1	COBALT	Y	4	2004	3	UG/L	U
OC151A04F	O	C15	6	1	COBALT	Y	1	2004	3	UG/L	U
FD02100401F	O	C15	6	1	COBALT	Y	1	2004	3	UG/L	U
OC152A04F	O	C15	6	1	COBALT	Y	2	2004	3	UG/L	U
FD05170401F	O	C15	6	1	COBALT	Y	2	2004	3	UG/L	U
OC153A04F	O	C15	6	1	COBALT	Y	3	2004	3	UG/L	U
FD08170401F	O	C15	6	1	COBALT	Y	3	2004	3	UG/L	U
OC154A04F	O	C15	6	1	COBALT	Y	4	2004	3	UG/L	U
FD11160401F	O	C15	6	1	COBALT	Y	4	2004	3	UG/L	U
OC161A04F	O	C16	7	1	COBALT	Y	1	2004	3	UG/L	U
FD02110401F	O	C16	7	1	COBALT	Y	1	2004	3	UG/L	U
OC162A04F	O	C16	7	1	COBALT	Y	2	2004	3	UG/L	U
FD05030401F	O	C16	7	1	COBALT	Y	2	2004	3	UG/L	U
OC163A04F	O	C16	7	1	COBALT	Y	3	2004	3	UG/L	U
OC164A04F	O	C16	7	1	COBALT	Y	4	2004	3	UG/L	U
FD11230402F	O	C16	7	1	COBALT	Y	4	2004	3	UG/L	U
OC181A04F	O	C18	8	1	COBALT	Y	1	2004	3	UG/L	U
OC182A04F	O	C18	8	1	COBALT	Y	2	2004	3	UG/L	U
OC183A04F	O	C18	8	1	COBALT	Y	3	2004	3	UG/L	U
OC184A04F	O	C18	8	1	COBALT	Y	4	2004	3	UG/L	U
OC191A04F	O	C19	9	1	COBALT	Y	1	2004	3	UG/L	U
OC192A04F	O	C19	9	1	COBALT	Y	2	2004	3	UG/L	U
OC193A04F	O	C19	9	1	COBALT	Y	3	2004	3	UG/L	U
FD09010401F	O	C19	9	1	COBALT	Y	3	2004	3	UG/L	U
OC194A04F	O	C19	9	1	COBALT	Y	4	2004	3	UG/L	U

Table 7.15. Raw Data for Cobalt. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
OC11P21A04	O	C11P2	1	2	COBALT	N	1	2004	3.3	UG/L	U
OC11P22A04	O	C11P2	1	2	COBALT	N	2	2004	3.3	UG/L	U
OC11P23A04	O	C11P2	1	2	COBALT	N	3	2004	3.3	UG/L	UJ
OC11P24A04	O	C11P2	1	2	COBALT	N	4	2004	3.3	UG/L	U
OC13P21A04	O	C13P2	2	2	COBALT	N	1	2004	3.3	UG/L	U
OC13P22A04	O	C13P2	2	2	COBALT	N	2	2004	3.3	UG/L	U
OC13P23A04	O	C13P2	2	2	COBALT	N	3	2004	3.3	UG/L	UJ
OC13P24A04	O	C13P2	2	2	COBALT	N	4	2004	3.3	UG/L	U
OC14P21A04	O	C14P2	3	2	COBALT	N	1	2004	3.3	UG/L	U
OC14P22A04	O	C14P2	3	2	COBALT	N	2	2004	3.3	UG/L	U
OC14P23A04	O	C14P2	3	2	COBALT	N	3	2004	3.3	UG/L	UJ
OC14P24A04	O	C14P2	3	2	COBALT	N	4	2004	3.3	UG/L	U
OC18P21A04	O	C18P2	4	2	COBALT	N	1	2004	3.3	UG/L	U
OC18P22A04	O	C18P2	4	2	COBALT	N	2	2004	3.3	UG/L	U
OC18P23A04	O	C18P2	4	2	COBALT	N	3	2004	3.3	UG/L	UJ
OC18P24A04	O	C18P2	4	2	COBALT	N	4	2004	3.3	UG/L	U
OC19P21A04	O	C19P2	5	2	COBALT	N	1	2004	3.3	UG/L	U
OC19P22A04	O	C19P2	5	2	COBALT	N	2	2004	3.3	UG/L	U
OC19P23A04	O	C19P2	5	2	COBALT	N	3	2004	3.3	UG/L	UJ
OC19P24A04	O	C19P2	5	2	COBALT	N	4	2004	3.3	UG/L	U
OC11P21A04F	O	C11P2	1	2	COBALT	Y	1	2004	3	UG/L	U
OC11P22A04F	O	C11P2	1	2	COBALT	Y	2	2004	3	UG/L	U
OC11P23A04F	O	C11P2	1	2	COBALT	Y	3	2004	3	UG/L	U
OC11P24A04F	O	C11P2	1	2	COBALT	Y	4	2004	3	UG/L	U
OC13P21A04F	O	C13P2	2	2	COBALT	Y	1	2004	3	UG/L	U
OC13P22A04F	O	C13P2	2	2	COBALT	Y	2	2004	3	UG/L	U
OC13P23A04F	O	C13P2	2	2	COBALT	Y	3	2004	3	UG/L	U
OC13P24A04F	O	C13P2	2	2	COBALT	Y	4	2004	3	UG/L	U
OC14P21A04F	O	C14P2	3	2	COBALT	Y	1	2004	3	UG/L	U
OC14P22A04F	O	C14P2	3	2	COBALT	Y	2	2004	3	UG/L	U
OC14P23A04F	O	C14P2	3	2	COBALT	Y	3	2004	3	UG/L	U
OC14P24A04F	O	C14P2	3	2	COBALT	Y	4	2004	3	UG/L	U
OC18P21A04F	O	C18P2	4	2	COBALT	Y	1	2004	3	UG/L	U
OC18P22A04F	O	C18P2	4	2	COBALT	Y	2	2004	3	UG/L	U
OC18P23A04F	O	C18P2	4	2	COBALT	Y	3	2004	3	UG/L	U
OC18P24A04F	O	C18P2	4	2	COBALT	Y	4	2004	3	UG/L	U
OC19P21A04F	O	C19P2	5	2	COBALT	Y	1	2004	3	UG/L	U
OC19P22A04F	O	C19P2	5	2	COBALT	Y	2	2004	3	UG/L	U
OC19P23A04F	O	C19P2	5	2	COBALT	Y	3	2004	3	UG/L	U
OC19P24A04F	O	C19P2	5	2	COBALT	Y	4	2004	3	UG/L	U

Table 7.16. Raw Data for Copper.

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC02P21A04	A	C02P2	1	1	COPPER	N	1	2004	2.2	UG/L	U
AC02P22A04	A	C02P2	1	1	COPPER	N	2	2004	2.2	UG/L	U
AC02P23A04	A	C02P2	1	1	COPPER	N	3	2004	2.2	UG/L	U
AC02P24A04	A	C02P2	1	1	COPPER	N	4	2004	2.3	UG/L	
AC031A04	A	C03	2	1	COPPER	N	1	2004	2.8	UG/L	
AC032A04	A	C03	2	1	COPPER	N	2	2004	2.2	UG/L	U
AC033A04	A	C03	2	1	COPPER	N	3	2004	3.8	UG/L	
AC034A04	A	C03	2	1	COPPER	N	4	2004	7.9	UG/L	
AC041A04	A	C04	3	1	COPPER	N	1	2004	2.2	UG/L	U
AC042A04	A	C04	3	1	COPPER	N	2	2004	2.2	UG/L	U
AC043A04	A	C04	3	1	COPPER	N	3	2004	2.2	UG/L	U
AC044A04	A	C04	3	1	COPPER	N	4	2004	2.6	UG/L	
AC071A04	A	C07	4	1	COPPER	N	1	2004	2.2	UG/L	U
AC072A04	A	C07	4	1	COPPER	N	2	2004	2.2	UG/L	U
AC073A04	A	C07	4	1	COPPER	N	3	2004	2.2	UG/L	U
AC074A04	A	C07	4	1	COPPER	N	4	2004	2.2	UG/L	U
AC08P21A04	A	C08P2	5	1	COPPER	N	1	2004	2.2	UG/L	U
AC08P22A04	A	C08P2	5	1	COPPER	N	2	2004	2.2	UG/L	U
AC08P23A04	A	C08P2	5	1	COPPER	N	3	2004	4.1	UG/L	
AC08P24A04	A	C08P2	5	1	COPPER	N	4	2004	2.2	UG/L	U
AC09P21A04	A	C09P2	6	1	COPPER	N	1	2004	2.2	UG/L	U
FD03080401	A	C09P2	6	1	COPPER	N	1	2004	2.2	UG/L	U
AC09P22A04	A	C09P2	6	1	COPPER	N	2	2004	2.2	UG/L	U
AC09P23A04	A	C09P2	6	1	COPPER	N	3	2004	2.2	UG/L	U
AC09P24A04	A	C09P2	6	1	COPPER	N	4	2004	2.2	UG/L	U
FD12290402	A	C09P2	6	1	COPPER	N	4	2004	2.2	UG/L	U
AC151A04	A	C15	7	1	COPPER	N	1	2004	2.2	UG/L	U
AC152A04	A	C15	7	1	COPPER	N	2	2004	2.2	UG/L	U
FD06210401	A	C15	7	1	COPPER	N	2	2004	2.2	UG/L	U
AC153A04	A	C15	7	1	COPPER	N	3	2004	2.2	UG/L	U
FD09200402	A	C15	7	1	COPPER	N	3	2004	2.2	UG/L	U
AC154A04	A	C15	7	1	COPPER	N	4	2004	2.2	UG/L	U
FD12160401	A	C15	7	1	COPPER	N	4	2004	2.2	UG/L	U
AC171A04	A	C17	8	1	COPPER	N	1	2004	2.2	UG/L	U
AC172A04	A	C17	8	1	COPPER	N	2	2004	2.2	UG/L	U
AC173A04	A	C17	8	1	COPPER	N	3	2004	4.5	UG/L	
FD09200401	A	C17	8	1	COPPER	N	3	2004	2.5	UG/L	
AC201A04	A	C20	9	1	COPPER	N	1	2004	2.2	UG/L	U
AC202B04	A	C20	9	1	COPPER	N	2	2004	2.2	UG/L	U
AC203A04	A	C20	9	1	COPPER	N	3	2004	2.2	UG/L	U
AC204A04	A	C20	9	1	COPPER	N	4	2004	2.2	UG/L	U
AC251A04	A	C25	10	1	COPPER	N	1	2004	2.2	UG/L	U
AC252A04	A	C25	10	1	COPPER	N	2	2004	2.2	UG/L	U

Table 7.16. Raw Data for Copper. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC253A04	A	C25	10	1	COPPER	N	3	2004	2.2	UG/L	U
AC254A04	A	C25	10	1	COPPER	N	4	2004	2.8	UG/L	
AC261A04	A	C26	11	1	COPPER	N	1	2004	2.2	UG/L	U
AC262A04	A	C26	11	1	COPPER	N	2	2004	2.2	UG/L	U
AC263A04	A	C26	11	1	COPPER	N	3	2004	2.2	UG/L	U
AC264A04	A	C26	11	1	COPPER	N	4	2004	2.2	UG/L	U
AC271A04	A	C27	12	1	COPPER	N	1	2004	2.2	UG/L	U
AC272A04	A	C27	12	1	COPPER	N	2	2004	2.2	UG/L	U
AC273A04	A	C27	12	1	COPPER	N	3	2004	2.2	UG/L	U
AC301A04	A	C30	13	1	COPPER	N	1	2004	2.2	UG/L	U
AC302A04	A	C30	13	1	COPPER	N	2	2004	2.2	UG/L	U
AC303A04	A	C30	13	1	COPPER	N	3	2004	2.2	UG/L	U
AC304A04	A	C30	13	1	COPPER	N	4	2004	2.9	UG/L	
ASPA1A04	A	SPA	14	1	COPPER	N	1	2004	2.2	UG/L	U
ASPA2A04	A	SPA	14	1	COPPER	N	2	2004	2.2	UG/L	U
ASPA3A04	A	SPA	14	1	COPPER	N	3	2004	2.2	UG/L	U
ASPA4A04	A	SPA	14	1	COPPER	N	4	2004	2.2	UG/L	U
ASPC1A04	A	SPC	15	1	COPPER	N	1	2004	2.2	UG/L	U
FD03030401	A	SPC	15	1	COPPER	N	1	2004	2.2	UG/L	U
ASPC2A04	A	SPC	15	1	COPPER	N	2	2004	2.2	UG/L	U
FD06290401	A	SPC	15	1	COPPER	N	2	2004	2.2	UG/L	U
ASPC3A04	A	SPC	15	1	COPPER	N	3	2004	2.2	UG/L	U
ASPC4A04	A	SPC	15	1	COPPER	N	4	2004	2.2	UG/L	U
AC02P21A04F	A	C02P2	1	1	COPPER	Y	1	2004	2	UG/L	U
AC02P22A04F	A	C02P2	1	1	COPPER	Y	2	2004	2	UG/L	U
AC02P23A04F	A	C02P2	1	1	COPPER	Y	3	2004	2	UG/L	U
AC02P24A04F	A	C02P2	1	1	COPPER	Y	4	2004	2	UG/L	U
AC031A04F	A	C03	2	1	COPPER	Y	1	2004	2	UG/L	U
AC032A04F	A	C03	2	1	COPPER	Y	2	2004	2	UG/L	U
AC033A04F	A	C03	2	1	COPPER	Y	3	2004	2	UG/L	U
AC034A04F	A	C03	2	1	COPPER	Y	4	2004	2.2	UG/L	
AC041A04F	A	C04	3	1	COPPER	Y	1	2004	2	UG/L	U
AC042A04F	A	C04	3	1	COPPER	Y	2	2004	2	UG/L	U
AC043A04F	A	C04	3	1	COPPER	Y	3	2004	2	UG/L	U
AC044A04F	A	C04	3	1	COPPER	Y	4	2004	2	UG/L	U
AC071A04F	A	C07	4	1	COPPER	Y	1	2004	2	UG/L	U
AC072A04F	A	C07	4	1	COPPER	Y	2	2004	2	UG/L	U
AC073A04F	A	C07	4	1	COPPER	Y	3	2004	2	UG/L	U
AC074A04F	A	C07	1	1	COPPER	Y	4	2004	2	UG/L	U
AC08P21A04F	A	C08P2	5	1	COPPER	Y	1	2004	2	UG/L	U
AC08P22A04F	A	C08P2	5	1	COPPER	Y	2	2004	2	UG/L	U
AC08P23A04F	A	C08P2	5	1	COPPER	Y	3	2004	2	UG/L	U
AC08P24A04F	A	C08P2	5	1	COPPER	Y	4	2004	2	UG/L	U

Table 7.16. Raw Data for Copper. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC09P21A04F	A	C09P2	6	1	COPPER	Y	1	2004	2	UG/L	U
FD03080401F	A	C09P2	6	1	COPPER	Y	1	2004	2	UG/L	U
AC09P22A04F	A	C09P2	6	1	COPPER	Y	2	2004	2	UG/L	U
AC09P23A04F	A	C09P2	6	1	COPPER	Y	3	2004	2	UG/L	U
AC09P24A04F	A	C09P2	6	1	COPPER	Y	4	2004	2	UG/L	U
FD12290402F	A	C09P2	6	1	COPPER	Y	4	2004	2	UG/L	U
AC151A04F	A	C15	7	1	COPPER	Y	1	2004	2	UG/L	U
AC152A04F	A	C15	7	1	COPPER	Y	2	2004	2	UG/L	U
FD06210401F	A	C15	7	1	COPPER	Y	2	2004	2	UG/L	U
AC153A04F	A	C15	7	1	COPPER	Y	3	2004	2	UG/L	U
FD09200402F	A	C15	7	1	COPPER	Y	3	2004	2	UG/L	U
AC154A04F	A	C15	7	1	COPPER	Y	4	2004	2	UG/L	U
FD12160401F	A	C15	7	1	COPPER	Y	4	2004	2	UG/L	U
AC171A04F	A	C17	8	1	COPPER	Y	1	2004	2	UG/L	U
AC172A04F	A	C17	8	1	COPPER	Y	2	2004	2	UG/L	U
AC173A04F	A	C17	8	1	COPPER	Y	3	2004	2	UG/L	U
FD09200401F	A	C17	8	1	COPPER	Y	3	2004	2	UG/L	U
AC201A04F	A	C20	9	1	COPPER	Y	1	2004	2	UG/L	U
AC202B04F	A	C20	9	1	COPPER	Y	2	2004	2	UG/L	U
AC203A04F	A	C20	9	1	COPPER	Y	3	2004	2	UG/L	U
AC204A04F	A	C20	9	1	COPPER	Y	4	2004	2	UG/L	U
AC251A04F	A	C25	10	1	COPPER	Y	1	2004	2	UG/L	U
AC252A04F	A	C25	10	1	COPPER	Y	2	2004	2	UG/L	U
AC253A04F	A	C25	10	1	COPPER	Y	3	2004	2	UG/L	U
AC254A04F	A	C25	10	1	COPPER	Y	4	2004	2	UG/L	U
AC261A04F	A	C26	11	1	COPPER	Y	1	2004	2	UG/L	U
AC262A04F	A	C26	11	1	COPPER	Y	2	2004	2	UG/L	U
AC263A04F	A	C26	11	1	COPPER	Y	3	2004	2	UG/L	U
AC264A04F	A	C26	11	1	COPPER	Y	4	2004	2	UG/L	U
AC271A04F	A	C27	12	1	COPPER	Y	1	2004	2	UG/L	U
AC272A04F	A	C27	12	1	COPPER	Y	2	2004	2	UG/L	U
AC273A04F	A	C27	12	1	COPPER	Y	3	2004	2	UG/L	U
AC301A04F	A	C30	13	1	COPPER	Y	1	2004	2	UG/L	U
AC302A04F	A	C30	13	1	COPPER	Y	2	2004	2	UG/L	U
AC303A04F	A	C30	13	1	COPPER	Y	3	2004	2	UG/L	U
AC304A04F	A	C30	13	1	COPPER	Y	4	2004	2	UG/L	U
ASPA1A04F	A	SPA	14	1	COPPER	Y	1	2004	2	UG/L	U
ASPA2A04F	A	SPA	14	1	COPPER	Y	2	2004	2	UG/L	U
ASPA3A04F	A	SPA	14	1	COPPER	Y	3	2004	2	UG/L	U
ASPA4A04F	A	SPA	14	1	COPPER	Y	4	2004	2	UG/L	U
ASPC1A04F	A	SPC	15	1	COPPER	Y	1	2004	2	UG/L	U
FD03030401F	A	SPC	15	1	COPPER	Y	1	2004	2	UG/L	U
ASPC2A04F	A	SPC	15	1	COPPER	Y	2	2004	2	UG/L	U

Table 7.16. Raw Data for Copper. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
FD06290401F	A	SPC	15	1	COPPER	Y	2	2004	2	UG/L	U
ASPC3A04F	A	SPC	15	1	COPPER	Y	3	2004	2	UG/L	U
ASPC4A04F	A	SPC	15	1	COPPER	Y	4	2004	2	UG/L	U
DC021A04	D	C02	1	1	COPPER	N	1	2004	2.2	UG/L	U
DC023A04	D	C02	1	1	COPPER	N	3	2004	2.2	UG/L	U
DC031A04	D	C03	2	1	COPPER	N	1	2004	2.2	UG/L	U
DC033A04	D	C03	2	1	COPPER	N	3	2004	2.2	UG/L	U
FD07210401	D	C03	2	1	COPPER	N	3	2004	2.2	UG/L	U
DC041A04	D	C04	3	1	COPPER	N	1	2004	2.2	UG/L	U
FD01140401	D	C04	3	1	COPPER	N	1	2004	2.2	UG/L	U
DC043A04	D	C04	3	1	COPPER	N	3	2004	2.2	UG/L	U
FD07150401	D	C04	3	1	COPPER	N	3	2004	2.2	UG/L	U
DC051A04	D	C05	4	1	COPPER	N	1	2004	2.2	UG/L	U
DC053A04	D	C05	4	1	COPPER	N	3	2004	2.8	UG/L	
DC061A04	D	C06	5	1	COPPER	N	1	2004	2.2	UG/L	U
FD01080401	D	C06	5	1	COPPER	N	1	2004	2.2	UG/L	U
DC063A04	D	C06	5	1	COPPER	N	3	2004	3.4	UG/L	
DC071A04	D	C07	6	1	COPPER	N	1	2004	2.2	UG/L	U
DC073A04	D	C07	6	1	COPPER	N	3	2004	2.5	UG/L	
DC081A04	D	C08	7	1	COPPER	N	1	2004	2.2	UG/L	U
DC083A04	D	C08	7	1	COPPER	N	3	2004	3.6	UG/L	
DC021A04F	D	C02	1	1	COPPER	Y	1	2004	2	UG/L	U
DC023A04F	D	C02	1	1	COPPER	Y	3	2004	2	UG/L	U
DC031A04F	D	C03	2	1	COPPER	Y	1	2004	2	UG/L	U
DC033A04F	D	C03	2	1	COPPER	Y	3	2004	2	UG/L	U
FD07210401F	D	C03	2	1	COPPER	Y	3	2004	2	UG/L	U
DC041A04F	D	C04	3	1	COPPER	Y	1	2004	2	UG/L	U
FD01140401F	D	C04	3	1	COPPER	Y	1	2004	2	UG/L	U
DC043A04F	D	C04	3	1	COPPER	Y	3	2004	2	UG/L	U
FD07150401F	D	C04	3	1	COPPER	Y	3	2004	2	UG/L	U
DC051A04F	D	C05	4	1	COPPER	Y	1	2004	2	UG/L	U
DC053A04F	D	C05	4	1	COPPER	Y	3	2004	2	UG/L	U
DC061A04F	D	C06	5	1	COPPER	Y	1	2004	2	UG/L	U
FD01080401F	D	C06	5	1	COPPER	Y	1	2004	2	UG/L	U
DC063A04F	D	C06	5	1	COPPER	Y	3	2004	2	UG/L	U
DC071A04F	D	C07	6	1	COPPER	Y	1	2004	2	UG/L	U
DC073A04F	D	C07	6	1	COPPER	Y	3	2004	2	UG/L	U
DC081A04F	D	C08	7	1	COPPER	Y	1	2004	2	UG/L	U
DC083A04F	D	C08	7	1	COPPER	Y	3	2004	2	UG/L	U
DC03P21A04	D	C03P2	1	2	COPPER	N	1	2004	56.2	UG/L	
DC03P23A04	D	C03P2	1	2	COPPER	N	3	2004	2.2	UG/L	U
DC04P21A04	D	C04P2	2	2	COPPER	N	1	2004	2.2	UG/L	U
DC04P23A04	D	C04P2	2	2	COPPER	N	3	2004	5.1	UG/L	

Table 7.16. Raw Data for Copper. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
DC06P21A04	D	C06P2	3	2	COPPER	N	1	2004	2.2	UG/L	U
DC06P23A04	D	C06P2	3	2	COPPER	N	3	2004	2.2	UG/L	U
DC08P21A04	D	C08P2	4	2	COPPER	N	1	2004	2.2	UG/L	U
DC08P23A04	D	C08P2	4	2	COPPER	N	3	2004	2.2	UG/L	U
DC03P21A04F	D	C03P2	1	2	COPPER	Y	1	2004	2	UG/L	U
DC03P23A04F	D	C03P2	1	2	COPPER	Y	3	2004	2	UG/L	U
DC04P21A04F	D	C04P2	2	2	COPPER	Y	1	2004	2	UG/L	U
DC04P23A04F	D	C04P2	2	2	COPPER	Y	3	2004	2	UG/L	U
DC06P21A04F	D	C06P2	3	2	COPPER	Y	1	2004	2	UG/L	U
DC06P23A04F	D	C06P2	3	2	COPPER	Y	3	2004	2	UG/L	U
DC08P21A04F	D	C08P2	4	2	COPPER	Y	1	2004	2	UG/L	U
DC08P23A04F	D	C08P2	4	2	COPPER	Y	3	2004	2	UG/L	U
OC081A04	O	C08	1	1	COPPER	N	1	2004	2.2	UG/L	U
OC082A04	O	C08	1	1	COPPER	N	2	2004	2.9	UG/L	
OC083A04	O	C08	1	1	COPPER	N	3	2004	2.5	UG/L	
OC084A04	O	C08	1	1	COPPER	N	4	2004	2.2	UG/L	U
OC111A04	O	C11	2	1	COPPER	N	1	2004	2.2	UG/L	U
OC112A04	O	C11	2	1	COPPER	N	2	2004	2.2	UG/L	U
OC113A04	O	C11	2	1	COPPER	N	3	2004	2.5	UG/L	
OC114A04	O	C11	2	1	COPPER	N	4	2004	2.2	UG/L	U
OC121A04	O	C12	3	1	COPPER	N	1	2004	2.2	UG/L	U
OC122A04	O	C12	3	1	COPPER	N	2	2004	2.2	UG/L	U
OC123A04	O	C12	3	1	COPPER	N	3	2004	2.2	UG/L	U
OC124A04	O	C12	3	1	COPPER	N	4	2004	2.2	UG/L	U
OC131A04	O	C13	4	1	COPPER	N	1	2004	2.2	UG/L	U
OC132A04	O	C13	4	1	COPPER	N	2	2004	2.2	UG/L	U
OC133A04	O	C13	4	1	COPPER	N	3	2004	2.2	UG/L	U
OC134A04	O	C13	4	1	COPPER	N	4	2004	4.3	UG/L	
OC141A04	O	C14	5	1	COPPER	N	1	2004	2.2	UG/L	U
OC142A04	O	C14	5	1	COPPER	N	2	2004	2.2	UG/L	U
OC143A04	O	C14	5	1	COPPER	N	3	2004	2.2	UG/L	U
OC144A04	O	C14	5	1	COPPER	N	4	2004	2.2	UG/L	U
OC151A04	O	C15	6	1	COPPER	N	1	2004	2.2	UG/L	U
FD02100401	O	C15	6	1	COPPER	N	1	2004	2.2	UG/L	U
OC152A04	O	C15	6	1	COPPER	N	2	2004	2.2	UG/L	U
FD05170401	O	C15	6	1	COPPER	N	2	2004	2.2	UG/L	U
OC153A04	O	C15	6	1	COPPER	N	3	2004	2.2	UG/L	U
FD08170401	O	C15	6	1	COPPER	N	3	2004	2.2	UG/L	U
OC154A04	O	C15	6	1	COPPER	N	4	2004	2.2	UG/L	U
FD11160401	O	C15	6	1	COPPER	N	4	2004	2.2	UG/L	U
OC161A04	O	C16	7	1	COPPER	N	1	2004	2.2	UG/L	U
FD02110401	O	C16	7	1	COPPER	N	1	2004	2.2	UG/L	U
OC162A04	O	C16	7	1	COPPER	N	2	2004	2.2	UG/L	U

Table 7.16. Raw Data for Copper. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
FD05030401	O	C16	7	1	COPPER	N	2	2004	2.2	UG/L	U
OC163A04	O	C16	7	1	COPPER	N	3	2004	2.2	UG/L	U
OC164A04	O	C16	7	1	COPPER	N	4	2004	2.2	UG/L	U
FD11230402	O	C16	7	1	COPPER	N	4	2004	2.2	UG/L	U
OC181A04	O	C18	8	1	COPPER	N	1	2004	2.2	UG/L	U
OC182A04	O	C18	8	1	COPPER	N	2	2004	2.2	UG/L	U
OC183A04	O	C18	8	1	COPPER	N	3	2004	2.2	UG/L	U
OC184A04	O	C18	8	1	COPPER	N	4	2004	2.2	UG/L	U
OC191A04	O	C19	9	1	COPPER	N	1	2004	2.2	UG/L	U
OC192A04	O	C19	9	1	COPPER	N	2	2004	2.2	UG/L	U
OC193A04	O	C19	9	1	COPPER	N	3	2004	2.2	UG/L	U
FD09010401	O	C19	9	1	COPPER	N	3	2004	2.2	UG/L	U
OC194A04	O	C19	9	1	COPPER	N	4	2004	2.2	UG/L	U
OC081A04F	O	C08	1	1	COPPER	Y	1	2004	2	UG/L	U
OC082A04F	O	C08	1	1	COPPER	Y	2	2004	2	UG/L	U
OC083A04F	O	C08	1	1	COPPER	Y	3	2004	2	UG/L	U
OC084A04F	O	C08	1	1	COPPER	Y	4	2004	2	UG/L	U
OC111A04F	O	C11	2	1	COPPER	Y	1	2004	2	UG/L	U
OC112A04F	O	C11	2	1	COPPER	Y	2	2004	2	UG/L	U
OC113A04F	O	C11	2	1	COPPER	Y	3	2004	2	UG/L	U
OC114A04F	O	C11	2	1	COPPER	Y	4	2004	2	UG/L	U
OC121A04F	O	C12	3	1	COPPER	Y	1	2004	2	UG/L	U
OC122A04F	O	C12	3	1	COPPER	Y	2	2004	2	UG/L	U
OC123A04F	O	C12	3	1	COPPER	Y	3	2004	2	UG/L	U
OC124A04F	O	C12	3	1	COPPER	Y	4	2004	2	UG/L	U
OC131A04F	O	C13	4	1	COPPER	Y	1	2004	2	UG/L	U
OC132A04F	O	C13	4	1	COPPER	Y	2	2004	2	UG/L	U
OC133A04F	O	C13	4	1	COPPER	Y	3	2004	2	UG/L	U
OC134A04F	O	C13	4	1	COPPER	Y	4	2004	2	UG/L	U
OC141A04F	O	C14	5	1	COPPER	Y	1	2004	2	UG/L	U
OC142A04F	O	C14	5	1	COPPER	Y	2	2004	2	UG/L	U
OC143A04F	O	C14	5	1	COPPER	Y	3	2004	2	UG/L	U
OC144A04F	O	C14	5	1	COPPER	Y	4	2004	2	UG/L	U
OC151A04F	O	C15	6	1	COPPER	Y	1	2004	2	UG/L	U
FD02100401F	O	C15	6	1	COPPER	Y	1	2004	2	UG/L	U
OC152A04F	O	C15	6	1	COPPER	Y	2	2004	2	UG/L	U
FD05170401F	O	C15	6	1	COPPER	Y	2	2004	2	UG/L	U
OC153A04F	O	C15	6	1	COPPER	Y	3	2004	2	UG/L	U
FD08170401F	O	C15	6	1	COPPER	Y	3	2004	2	UG/L	U
OC154A04F	O	C15	6	1	COPPER	Y	4	2004	2	UG/L	U
FD11160401F	O	C15	6	1	COPPER	Y	4	2004	2	UG/L	U
OC161A04F	O	C16	7	1	COPPER	Y	1	2004	2	UG/L	U
FD02110401F	O	C16	7	1	COPPER	Y	1	2004	2	UG/L	U

Table 7.16. Raw Data for Copper. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
OC162A04F	O	C16	7	1	COPPER	Y	2	2004	2	UG/L	U
FD05030401F	O	C16	7	1	COPPER	Y	2	2004	2	UG/L	U
OC163A04F	O	C16	7	1	COPPER	Y	3	2004	2	UG/L	U
OC164A04F	O	C16	7	1	COPPER	Y	4	2004	2	UG/L	U
FD11230402F	O	C16	7	1	COPPER	Y	4	2004	2	UG/L	U
OC181A04F	O	C18	8	1	COPPER	Y	1	2004	2	UG/L	U
OC182A04F	O	C18	8	1	COPPER	Y	2	2004	2	UG/L	U
OC183A04F	O	C18	8	1	COPPER	Y	3	2004	2	UG/L	U
OC184A04F	O	C18	8	1	COPPER	Y	4	2004	2	UG/L	U
OC191A04F	O	C19	9	1	COPPER	Y	1	2004	2	UG/L	U
OC192A04F	O	C19	9	1	COPPER	Y	2	2004	2	UG/L	U
OC193A04F	O	C19	9	1	COPPER	Y	3	2004	2	UG/L	U
FD09010401F	O	C19	9	1	COPPER	Y	3	2004	2	UG/L	U
OC194A04F	O	C19	9	1	COPPER	Y	4	2004	2	UG/L	U
OC11P21A04	O	C11P2	1	2	COPPER	N	1	2004	2.2	UG/L	U
OC11P22A04	O	C11P2	1	2	COPPER	N	2	2004	2.2	UG/L	U
OC11P23A04	O	C11P2	1	2	COPPER	N	3	2004	2.2	UG/L	U
OC11P24A04	O	C11P2	1	2	COPPER	N	4	2004	2.2	UG/L	U
OC13P21A04	O	C13P2	2	2	COPPER	N	1	2004	2.2	UG/L	U
OC13P22A04	O	C13P2	2	2	COPPER	N	2	2004	2.2	UG/L	U
OC13P23A04	O	C13P2	2	2	COPPER	N	3	2004	2.2	UG/L	U
OC13P24A04	O	C13P2	2	2	COPPER	N	4	2004	2.2	UG/L	U
OC14P21A04	O	C14P2	3	2	COPPER	N	1	2004	2.2	UG/L	U
OC14P22A04	O	C14P2	3	2	COPPER	N	2	2004	2.2	UG/L	U
OC14P23A04	O	C14P2	3	2	COPPER	N	3	2004	2.2	UG/L	U
OC14P24A04	O	C14P2	3	2	COPPER	N	4	2004	2.2	UG/L	U
OC18P21A04	O	C18P2	4	2	COPPER	N	1	2004	2.2	UG/L	U
OC18P22A04	O	C18P2	4	2	COPPER	N	2	2004	8.6	UG/L	
OC18P23A04	O	C18P2	4	2	COPPER	N	3	2004	2.2	UG/L	U
OC18P24A04	O	C18P2	4	2	COPPER	N	4	2004	2.2	UG/L	U
OC19P21A04	O	C19P2	5	2	COPPER	N	1	2004	2.2	UG/L	U
OC19P22A04	O	C19P2	5	2	COPPER	N	2	2004	2.2	UG/L	U
OC19P23A04	O	C19P2	5	2	COPPER	N	3	2004	2.2	UG/L	U
OC19P24A04	O	C19P2	5	2	COPPER	N	4	2004	2.2	UG/L	U
OC11P21A04F	O	C11P2	1	2	COPPER	Y	1	2004	2	UG/L	U
OC11P22A04F	O	C11P2	1	2	COPPER	Y	2	2004	2	UG/L	U
OC11P23A04F	O	C11P2	1	2	COPPER	Y	3	2004	2	UG/L	U
OC11P24A04F	O	C11P2	1	2	COPPER	Y	4	2004	2	UG/L	U
OC13P21A04F	O	C13P2	2	2	COPPER	Y	1	2004	2	UG/L	U
OC13P22A04F	O	C13P2	2	2	COPPER	Y	2	2004	2	UG/L	U
OC13P23A04F	O	C13P2	2	2	COPPER	Y	3	2004	2	UG/L	U
OC13P24A04F	O	C13P2	2	2	COPPER	Y	4	2004	2	UG/L	U
OC14P21A04F	O	C14P2	3	2	COPPER	Y	1	2004	2	UG/L	U

Table 7.16. Raw Data for Copper. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
OC14P22A04F	O	C14P2	3	2	COPPER	Y	2	2004	2	UG/L	U
OC14P23A04F	O	C14P2	3	2	COPPER	Y	3	2004	2	UG/L	U
OC14P24A04F	O	C14P2	3	2	COPPER	Y	4	2004	2	UG/L	U
OC18P21A04F	O	C18P2	4	2	COPPER	Y	1	2004	2	UG/L	U
OC18P22A04F	O	C18P2	4	2	COPPER	Y	2	2004	2	UG/L	U
OC18P23A04F	O	C18P2	4	2	COPPER	Y	3	2004	2	UG/L	U
OC18P24A04F	O	C18P2	4	2	COPPER	Y	4	2004	2	UG/L	U
OC19P21A04F	O	C19P2	5	2	COPPER	Y	1	2004	2	UG/L	U
OC19P22A04F	O	C19P2	5	2	COPPER	Y	2	2004	2	UG/L	U
OC19P23A04F	O	C19P2	5	2	COPPER	Y	3	2004	2	UG/L	U
OC19P24A04F	O	C19P2	5	2	COPPER	Y	4	2004	2	UG/L	U

Table 7.17. Raw Data for Lead.

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC02P21A04	A	C02P2	1	1	LEAD	N	1	2004	1.1	UG/L	U
AC02P22A04	A	C02P2	1	1	LEAD	N	2	2004	1.1	UG/L	U
AC02P23A04	A	C02P2	1	1	LEAD	N	3	2004	1.1	UG/L	U
AC02P24A04	A	C02P2	1	1	LEAD	N	4	2004	1.1	UG/L	U
AC031A04	A	C03	2	1	LEAD	N	1	2004	1.1	UG/L	U
AC032A04	A	C03	2	1	LEAD	N	2	2004	1.1	UG/L	U
AC033A04	A	C03	2	1	LEAD	N	3	2004	1.1	UG/L	U
AC034A04	A	C03	2	1	LEAD	N	4	2004	1.1	UG/L	U
AC041A04	A	C04	3	1	LEAD	N	1	2004	1.1	UG/L	U
AC042A04	A	C04	3	1	LEAD	N	2	2004	1.1	UG/L	U
AC043A04	A	C04	3	1	LEAD	N	3	2004	1.1	UG/L	U
AC044A04	A	C04	3	1	LEAD	N	4	2004	1.1	UG/L	U
AC071A04	A	C07	4	1	LEAD	N	1	2004	1.1	UG/L	U
AC072A04	A	C07	4	1	LEAD	N	2	2004	1.1	UG/L	U
AC073A04	A	C07	4	1	LEAD	N	3	2004	1.1	UG/L	U
AC074A04	A	C07	4	1	LEAD	N	4	2004	1.1	UG/L	U
AC08P21A04	A	C08P2	5	1	LEAD	N	1	2004	1.1	UG/L	U
AC08P22A04	A	C08P2	5	1	LEAD	N	2	2004	1.1	UG/L	U
AC08P23A04	A	C08P2	5	1	LEAD	N	3	2004	1.1	UG/L	U
AC08P24A04	A	C08P2	5	1	LEAD	N	4	2004	1.1	UG/L	U
AC09P21A04	A	C09P2	6	1	LEAD	N	1	2004	1.4	UG/L	
FD03080401	A	C09P2	6	1	LEAD	N	1	2004	1.4	UG/L	
AC09P22A04	A	C09P2	6	1	LEAD	N	2	2004	1.9	UG/L	
AC09P23A04	A	C09P2	6	1	LEAD	N	3	2004	1.3	UG/L	
AC09P24A04	A	C09P2	6	1	LEAD	N	4	2004	2.1	UG/L	J
FD12290402	A	C09P2	6	1	LEAD	N	4	2004	2.4	UG/L	
AC151A04	A	C15	7	1	LEAD	N	1	2004	1.1	UG/L	U
AC152A04	A	C15	7	1	LEAD	N	2	2004	1.1	UG/L	U

Table 7.17. Raw Data for Lead. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
FD06210401	A	C15	7	1	LEAD	N	2	2004	1.1	UG/L	U
AC153A04	A	C15	7	1	LEAD	N	3	2004	1.1	UG/L	U
FD09200402	A	C15	7	1	LEAD	N	3	2004	1.1	UG/L	U
AC154A04	A	C15	7	1	LEAD	N	4	2004	1.1	UG/L	U
FD12160401	A	C15	7	1	LEAD	N	4	2004	1.1	UG/L	U
AC171A04	A	C17	8	1	LEAD	N	1	2004	1.1	UG/L	U
AC172A04	A	C17	8	1	LEAD	N	2	2004	1.1	UG/L	U
AC173A04	A	C17	8	1	LEAD	N	3	2004	1.1	UG/L	U
FD09200401	A	C17	8	1	LEAD	N	3	2004	1.1	UG/L	U
AC201A04	A	C20	9	1	LEAD	N	1	2004	1.1	UG/L	U
AC202B04	A	C20	9	1	LEAD	N	2	2004	1.1	UG/L	U
AC203A04	A	C20	9	1	LEAD	N	3	2004	1.1	UG/L	U
AC204A04	A	C20	9	1	LEAD	N	4	2004	1.1	UG/L	U
AC251A04	A	C25	10	1	LEAD	N	1	2004	1.1	UG/L	U
AC252A04	A	C25	10	1	LEAD	N	2	2004	1.1	UG/L	U
AC253A04	A	C25	10	1	LEAD	N	3	2004	1.1	UG/L	U
AC254A04	A	C25	10	1	LEAD	N	4	2004	1.1	UG/L	U
AC261A04	A	C26	11	1	LEAD	N	1	2004	1.1	UG/L	U
AC262A04	A	C26	11	1	LEAD	N	2	2004	1.1	UG/L	U
AC263A04	A	C26	11	1	LEAD	N	3	2004	1.1	UG/L	U
AC264A04	A	C26	11	1	LEAD	N	4	2004	1.1	UG/L	U
AC271A04	A	C27	12	1	LEAD	N	1	2004	1.1	UG/L	U
AC272A04	A	C27	12	1	LEAD	N	2	2004	1.1	UG/L	U
AC273A04	A	C27	12	1	LEAD	N	3	2004	1.1	UG/L	U
AC301A04	A	C30	13	1	LEAD	N	1	2004	1.1	UG/L	U
AC302A04	A	C30	13	1	LEAD	N	2	2004	1.1	UG/L	U
AC303A04	A	C30	13	1	LEAD	N	3	2004	1.1	UG/L	U
AC304A04	A	C30	13	1	LEAD	N	4	2004	1.1	UG/L	U
ASPA1A04	A	SPA	14	1	LEAD	N	1	2004	1.1	UG/L	U
ASPA2A04	A	SPA	14	1	LEAD	N	2	2004	1.1	UG/L	U
ASPA3A04	A	SPA	14	1	LEAD	N	3	2004	1.1	UG/L	U
ASPA4A04	A	SPA	14	1	LEAD	N	4	2004	1.1	UG/L	U
ASPC1A04	A	SPC	15	1	LEAD	N	1	2004	1.1	UG/L	U
FD03030401	A	SPC	15	1	LEAD	N	1	2004	1.1	UG/L	U
ASPC2A04	A	SPC	15	1	LEAD	N	2	2004	1.1	UG/L	U
FD06290401	A	SPC	15	1	LEAD	N	2	2004	1.1	UG/L	U
ASPC3A04	A	SPC	15	1	LEAD	N	3	2004	1.1	UG/L	U
ASPC4A04	A	SPC	15	1	LEAD	N	4	2004	1.1	UG/L	U
AC02P21A04F	A	C02P2	1	1	LEAD	Y	1	2004	1	UG/L	U
AC02P22A04F	A	C02P2	1	1	LEAD	Y	2	2004	1	UG/L	U
AC02P23A04F	A	C02P2	1	1	LEAD	Y	3	2004	1	UG/L	U
AC02P24A04F	A	C02P2	1	1	LEAD	Y	4	2004	1	UG/L	U
AC031A04F	A	C03	2	1	LEAD	Y	1	2004	1	UG/L	U

Table 7.17. Raw Data for Lead. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC032A04F	A	C03	2	1	LEAD	Y	2	2004	1	UG/L	U
AC033A04F	A	C03	2	1	LEAD	Y	3	2004	1	UG/L	U
AC034A04F	A	C03	2	1	LEAD	Y	4	2004	1	UG/L	U
AC041A04F	A	C04	3	1	LEAD	Y	1	2004	1	UG/L	U
AC042A04F	A	C04	3	1	LEAD	Y	2	2004	1	UG/L	U
AC043A04F	A	C04	3	1	LEAD	Y	3	2004	1	UG/L	U
AC044A04F	A	C04	3	1	LEAD	Y	4	2004	1	UG/L	U
AC071A04F	A	C07	4	1	LEAD	Y	1	2004	1	UG/L	U
AC072A04F	A	C07	4	1	LEAD	Y	2	2004	1	UG/L	UJ
AC073A04F	A	C07	4	1	LEAD	Y	3	2004	1	UG/L	U
AC074A04F	A	C07	1	1	LEAD	Y	4	2004	1	UG/L	U
AC08P21A04F	A	C08P2	5	1	LEAD	Y	1	2004	1	UG/L	U
AC08P22A04F	A	C08P2	5	1	LEAD	Y	2	2004	1	UG/L	UJ
AC08P23A04F	A	C08P2	5	1	LEAD	Y	3	2004	1	UG/L	U
AC08P24A04F	A	C08P2	5	1	LEAD	Y	4	2004	1	UG/L	U
AC09P21A04F	A	C09P2	6	1	LEAD	Y	1	2004	1	UG/L	U
FD03080401F	A	C09P2	6	1	LEAD	Y	1	2004	1	UG/L	U
AC09P22A04F	A	C09P2	6	1	LEAD	Y	2	2004	1	UG/L	U
AC09P23A04F	A	C09P2	6	1	LEAD	Y	3	2004	1	UG/L	U
AC09P24A04F	A	C09P2	6	1	LEAD	Y	4	2004	1	UG/L	U
FD12290402F	A	C09P2	6	1	LEAD	Y	4	2004	1	UG/L	U
AC151A04F	A	C15	7	1	LEAD	Y	1	2004	1	UG/L	U
AC152A04F	A	C15	7	1	LEAD	Y	2	2004	1	UG/L	U
FD06210401F	A	C15	7	1	LEAD	Y	2	2004	1	UG/L	U
AC153A04F	A	C15	7	1	LEAD	Y	3	2004	1	UG/L	U
FD09200402F	A	C15	7	1	LEAD	Y	3	2004	1	UG/L	U
AC154A04F	A	C15	7	1	LEAD	Y	4	2004	1	UG/L	U
FD12160401F	A	C15	7	1	LEAD	Y	4	2004	1	UG/L	U
AC171A04F	A	C17	8	1	LEAD	Y	1	2004	1	UG/L	U
AC172A04F	A	C17	8	1	LEAD	Y	2	2004	1	UG/L	UJ
AC173A04F	A	C17	8	1	LEAD	Y	3	2004	1.9	UG/L	J
FD09200401F	A	C17	8	1	LEAD	Y	3	2004	1	UG/L	U
AC201A04F	A	C20	9	1	LEAD	Y	1	2004	1	UG/L	U
AC202B04F	A	C20	9	1	LEAD	Y	2	2004	1	UG/L	U
AC203A04F	A	C20	9	1	LEAD	Y	3	2004	1	UG/L	U
AC204A04F	A	C20	9	1	LEAD	Y	4	2004	1	UG/L	U
AC251A04F	A	C25	10	1	LEAD	Y	1	2004	1	UG/L	U
AC252A04F	A	C25	10	1	LEAD	Y	2	2004	1	UG/L	U
AC253A04F	A	C25	10	1	LEAD	Y	3	2004	1	UG/L	U
AC254A04F	A	C25	10	1	LEAD	Y	4	2004	1	UG/L	U
AC261A04F	A	C26	11	1	LEAD	Y	1	2004	1	UG/L	U
AC262A04F	A	C26	11	1	LEAD	Y	2	2004	1	UG/L	U
AC263A04F	A	C26	11	1	LEAD	Y	3	2004	1	UG/L	U

Table 7.17. Raw Data for Lead. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC264A04F	A	C26	11	1	LEAD	Y	4	2004	1	UG/L	U
AC271A04F	A	C27	12	1	LEAD	Y	1	2004	1	UG/L	U
AC272A04F	A	C27	12	1	LEAD	Y	2	2004	1	UG/L	UJ
AC273A04F	A	C27	12	1	LEAD	Y	3	2004	2.6	UG/L	
AC301A04F	A	C30	13	1	LEAD	Y	1	2004	1	UG/L	U
AC302A04F	A	C30	13	1	LEAD	Y	2	2004	1	UG/L	UJ
AC303A04F	A	C30	13	1	LEAD	Y	3	2004	1	UG/L	U
AC304A04F	A	C30	13	1	LEAD	Y	4	2004	1	UG/L	U
ASPA1A04F	A	SPA	14	1	LEAD	Y	1	2004	1	UG/L	U
ASPA2A04F	A	SPA	14	1	LEAD	Y	2	2004	1	UG/L	UJ
ASPA3A04F	A	SPA	14	1	LEAD	Y	3	2004	1.4	UG/L	J
ASPA4A04F	A	SPA	14	1	LEAD	Y	4	2004	1	UG/L	U
ASPC1A04F	A	SPC	15	1	LEAD	Y	1	2004	1	UG/L	U
FD03030401F	A	SPC	15	1	LEAD	Y	1	2004	1	UG/L	U
ASPC2A04F	A	SPC	15	1	LEAD	Y	2	2004	1	UG/L	UJ
FD06290401F	A	SPC	15	1	LEAD	Y	2	2004	1	UG/L	UJ
ASPC3A04F	A	SPC	15	1	LEAD	Y	3	2004	1	UG/L	U
ASPC4A04F	A	SPC	15	1	LEAD	Y	4	2004	1	UG/L	U
DC021A04	D	C02	1	1	LEAD	N	1	2004	1.1	UG/L	U
DC023A04	D	C02	1	1	LEAD	N	3	2004	1.1	UG/L	U
DC031A04	D	C03	2	1	LEAD	N	1	2004	1.1	UG/L	U
DC033A04	D	C03	2	1	LEAD	N	3	2004	1.1	UG/L	U
FD07210401	D	C03	2	1	LEAD	N	3	2004	1.1	UG/L	U
DC041A04	D	C04	3	1	LEAD	N	1	2004	1.1	UG/L	U
FD01140401	D	C04	3	1	LEAD	N	1	2004	1.1	UG/L	U
DC043A04	D	C04	3	1	LEAD	N	3	2004	1.1	UG/L	U
FD07150401	D	C04	3	1	LEAD	N	3	2004	1.1	UG/L	U
DC051A04	D	C05	4	1	LEAD	N	1	2004	1.1	UG/L	U
DC053A04	D	C05	4	1	LEAD	N	3	2004	1.1	UG/L	U
DC061A04	D	C06	5	1	LEAD	N	1	2004	1.1	UG/L	U
FD01080401	D	C06	5	1	LEAD	N	1	2004	1.1	UG/L	U
DC063A04	D	C06	5	1	LEAD	N	3	2004	1.1	UG/L	U
DC071A04	D	C07	6	1	LEAD	N	1	2004	1.1	UG/L	U
DC073A04	D	C07	6	1	LEAD	N	3	2004	1.1	UG/L	U
DC081A04	D	C08	7	1	LEAD	N	1	2004	2.1	UG/L	
DC083A04	D	C08	7	1	LEAD	N	3	2004	1.1	UG/L	U
DC021A04F	D	C02	1	1	LEAD	Y	1	2004	1	UG/L	U
DC023A04F	D	C02	1	1	LEAD	Y	3	2004	1	UG/L	U
DC031A04F	D	C03	2	1	LEAD	Y	1	2004	1	UG/L	U
DC033A04F	D	C03	2	1	LEAD	Y	3	2004	1	UG/L	U
FD07210401F	D	C03	2	1	LEAD	Y	3	2004	1	UG/L	U
DC041A04F	D	C04	3	1	LEAD	Y	1	2004	1	UG/L	U
FD01140401F	D	C04	3	1	LEAD	Y	1	2004	1	UG/L	U

Table 7.17. Raw Data for Lead. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
DC043A04F	D	C04	3	1	LEAD	Y	3	2004	1	UG/L	U
FD07150401F	D	C04	3	1	LEAD	Y	3	2004	1	UG/L	U
DC051A04F	D	C05	4	1	LEAD	Y	1	2004	1	UG/L	U
DC053A04F	D	C05	4	1	LEAD	Y	3	2004	1	UG/L	U
DC061A04F	D	C06	5	1	LEAD	Y	1	2004	1	UG/L	U
FD01080401F	D	C06	5	1	LEAD	Y	1	2004	1	UG/L	U
DC063A04F	D	C06	5	1	LEAD	Y	3	2004	1	UG/L	U
DC071A04F	D	C07	6	1	LEAD	Y	1	2004	1	UG/L	U
DC073A04F	D	C07	6	1	LEAD	Y	3	2004	1	UG/L	U
DC081A04F	D	C08	7	1	LEAD	Y	1	2004	1	UG/L	U
DC083A04F	D	C08	7	1	LEAD	Y	3	2004	1	UG/L	U
DC03P21A04	D	C03P2	1	2	LEAD	N	1	2004	1.1	UG/L	U
DC03P23A04	D	C03P2	1	2	LEAD	N	3	2004	1.1	UG/L	U
DC04P21A04	D	C04P2	2	2	LEAD	N	1	2004	1.1	UG/L	U
DC04P23A04	D	C04P2	2	2	LEAD	N	3	2004	1.1	UG/L	U
DC06P21A04	D	C06P2	3	2	LEAD	N	1	2004	1.1	UG/L	U
DC06P23A04	D	C06P2	3	2	LEAD	N	3	2004	1.1	UG/L	U
DC08P21A04	D	C08P2	4	2	LEAD	N	1	2004	1.1	UG/L	U
DC08P23A04	D	C08P2	4	2	LEAD	N	3	2004	1.1	UG/L	U
DC03P21A04F	D	C03P2	1	2	LEAD	Y	1	2004	1	UG/L	U
DC03P23A04F	D	C03P2	1	2	LEAD	Y	3	2004	1	UG/L	U
DC04P21A04F	D	C04P2	2	2	LEAD	Y	1	2004	1	UG/L	U
DC04P23A04F	D	C04P2	2	2	LEAD	Y	3	2004	1	UG/L	U
DC06P21A04F	D	C06P2	3	2	LEAD	Y	1	2004	1	UG/L	U
DC06P23A04F	D	C06P2	3	2	LEAD	Y	3	2004	1	UG/L	U
DC08P21A04F	D	C08P2	4	2	LEAD	Y	1	2004	1	UG/L	U
DC08P23A04F	D	C08P2	4	2	LEAD	Y	3	2004	1	UG/L	U
OC081A04	O	C08	1	1	LEAD	N	1	2004	1.1	UG/L	U
OC082A04	O	C08	1	1	LEAD	N	2	2004	1.1	UG/L	U
OC083A04	O	C08	1	1	LEAD	N	3	2004	1.1	UG/L	U
OC084A04	O	C08	1	1	LEAD	N	4	2004	2	UG/L	
OC111A04	O	C11	2	1	LEAD	N	1	2004	1.3	UG/L	
OC112A04	O	C11	2	1	LEAD	N	2	2004	1.6	UG/L	
OC113A04	O	C11	2	1	LEAD	N	3	2004	6.3	UG/L	
OC114A04	O	C11	2	1	LEAD	N	4	2004	4.7	UG/L	
OC121A04	O	C12	3	1	LEAD	N	1	2004	1.1	UG/L	U
OC122A04	O	C12	3	1	LEAD	N	2	2004	1.1	UG/L	U
OC123A04	O	C12	3	1	LEAD	N	3	2004	1.1	UG/L	U
OC124A04	O	C12	3	1	LEAD	N	4	2004	1.1	UG/L	U
OC131A04	O	C13	4	1	LEAD	N	1	2004	1.1	UG/L	U
OC132A04	O	C13	4	1	LEAD	N	2	2004	1.1	UG/L	U
OC133A04	O	C13	4	1	LEAD	N	3	2004	1.1	UG/L	U
OC134A04	O	C13	4	1	LEAD	N	4	2004	1.1	UG/L	U

Table 7.17. Raw Data for Lead. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
OC141A04	O	C14	5	1	LEAD	N	1	2004	2.4	UG/L	
OC142A04	O	C14	5	1	LEAD	N	2	2004	2.7	UG/L	
OC143A04	O	C14	5	1	LEAD	N	3	2004	1.2	UG/L	
OC144A04	O	C14	5	1	LEAD	N	4	2004	1.2	UG/L	
OC151A04	O	C15	6	1	LEAD	N	1	2004	1.1	UG/L	U
FD02100401	O	C15	6	1	LEAD	N	1	2004	1.1	UG/L	U
OC152A04	O	C15	6	1	LEAD	N	2	2004	1.1	UG/L	U
FD05170401	O	C15	6	1	LEAD	N	2	2004	1.1	UG/L	U
OC153A04	O	C15	6	1	LEAD	N	3	2004	1.1	UG/L	U
FD08170401	O	C15	6	1	LEAD	N	3	2004	1.1	UG/L	U
OC154A04	O	C15	6	1	LEAD	N	4	2004	1.1	UG/L	U
FD11160401	O	C15	6	1	LEAD	N	4	2004	1.1	UG/L	U
OC161A04	O	C16	7	1	LEAD	N	1	2004	1.1	UG/L	U
FD02110401	O	C16	7	1	LEAD	N	1	2004	1.1	UG/L	U
OC162A04	O	C16	7	1	LEAD	N	2	2004	1.1	UG/L	U
FD05030401	O	C16	7	1	LEAD	N	2	2004	1.1	UG/L	U
OC163A04	O	C16	7	1	LEAD	N	3	2004	1.1	UG/L	U
OC164A04	O	C16	7	1	LEAD	N	4	2004	1.1	UG/L	U
FD11230402	O	C16	7	1	LEAD	N	4	2004	1.1	UG/L	U
OC181A04	O	C18	8	1	LEAD	N	1	2004	1.1	UG/L	U
OC182A04	O	C18	8	1	LEAD	N	2	2004	1.1	UG/L	U
OC183A04	O	C18	8	1	LEAD	N	3	2004	1.1	UG/L	U
OC184A04	O	C18	8	1	LEAD	N	4	2004	1.1	UG/L	U
OC191A04	O	C19	9	1	LEAD	N	1	2004	1.1	UG/L	U
OC192A04	O	C19	9	1	LEAD	N	2	2004	1.1	UG/L	U
OC193A04	O	C19	9	1	LEAD	N	3	2004	1.1	UG/L	U
FD09010401	O	C19	9	1	LEAD	N	3	2004	1.1	UG/L	U
OC194A04	O	C19	9	1	LEAD	N	4	2004	1.1	UG/L	U
OC081A04F	O	C08	1	1	LEAD	Y	1	2004	1	UG/L	U
OC082A04F	O	C08	1	1	LEAD	Y	2	2004	1	UG/L	U
OC083A04F	O	C08	1	1	LEAD	Y	3	2004	1	UG/L	U
OC084A04F	O	C08	1	1	LEAD	Y	4	2004	1	UG/L	U
OC111A04F	O	C11	2	1	LEAD	Y	1	2004	1	UG/L	U
OC112A04F	O	C11	2	1	LEAD	Y	2	2004	1	UG/L	U
OC113A04F	O	C11	2	1	LEAD	Y	3	2004	1	UG/L	U
OC114A04F	O	C11	2	1	LEAD	Y	4	2004	1	UG/L	U
OC121A04F	O	C12	3	1	LEAD	Y	1	2004	1	UG/L	U
OC122A04F	O	C12	3	1	LEAD	Y	2	2004	1	UG/L	U
OC123A04F	O	C12	3	1	LEAD	Y	3	2004	1	UG/L	U
OC124A04F	O	C12	3	1	LEAD	Y	4	2004	1	UG/L	U
OC131A04F	O	C13	4	1	LEAD	Y	1	2004	1	UG/L	U
OC132A04F	O	C13	4	1	LEAD	Y	2	2004	1	UG/L	U
OC133A04F	O	C13	4	1	LEAD	Y	3	2004	1	UG/L	U

Table 7.17. Raw Data for Lead. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
OC134A04F	O	C13	4	1	LEAD	Y	4	2004	1	UG/L	U
OC141A04F	O	C14	5	1	LEAD	Y	1	2004	1	UG/L	U
OC142A04F	O	C14	5	1	LEAD	Y	2	2004	1	UG/L	U
OC143A04F	O	C14	5	1	LEAD	Y	3	2004	1	UG/L	U
OC144A04F	O	C14	5	1	LEAD	Y	4	2004	1	UG/L	U
OC151A04F	O	C15	6	1	LEAD	Y	1	2004	1	UG/L	U
FD02100401F	O	C15	6	1	LEAD	Y	1	2004	1	UG/L	U
OC152A04F	O	C15	6	1	LEAD	Y	2	2004	1	UG/L	U
FD05170401F	O	C15	6	1	LEAD	Y	2	2004	1	UG/L	U
OC153A04F	O	C15	6	1	LEAD	Y	3	2004	1	UG/L	U
FD08170401F	O	C15	6	1	LEAD	Y	3	2004	1	UG/L	U
OC154A04F	O	C15	6	1	LEAD	Y	4	2004	1	UG/L	U
FD11160401F	O	C15	6	1	LEAD	Y	4	2004	1	UG/L	U
OC161A04F	O	C16	7	1	LEAD	Y	1	2004	1	UG/L	U
FD02110401F	O	C16	7	1	LEAD	Y	1	2004	1	UG/L	U
OC162A04F	O	C16	7	1	LEAD	Y	2	2004	1	UG/L	U
FD05030401F	O	C16	7	1	LEAD	Y	2	2004	1	UG/L	U
OC163A04F	O	C16	7	1	LEAD	Y	3	2004	1	UG/L	U
OC164A04F	O	C16	7	1	LEAD	Y	4	2004	1	UG/L	U
FD11230402F	O	C16	7	1	LEAD	Y	4	2004	1	UG/L	U
OC181A04F	O	C18	8	1	LEAD	Y	1	2004	1	UG/L	U
OC182A04F	O	C18	8	1	LEAD	Y	2	2004	1	UG/L	U
OC183A04F	O	C18	8	1	LEAD	Y	3	2004	1	UG/L	U
OC184A04F	O	C18	8	1	LEAD	Y	4	2004	1	UG/L	U
OC191A04F	O	C19	9	1	LEAD	Y	1	2004	1	UG/L	U
OC192A04F	O	C19	9	1	LEAD	Y	2	2004	1	UG/L	U
OC193A04F	O	C19	9	1	LEAD	Y	3	2004	1	UG/L	U
FD09010401F	O	C19	9	1	LEAD	Y	3	2004	1	UG/L	U
OC194A04F	O	C19	9	1	LEAD	Y	4	2004	1	UG/L	U
OC11P21A04	O	C11P2	1	2	LEAD	N	1	2004	1.1	UG/L	U
OC11P22A04	O	C11P2	1	2	LEAD	N	2	2004	1.1	UG/L	U
OC11P23A04	O	C11P2	1	2	LEAD	N	3	2004	1.1	UG/L	U
OC11P24A04	O	C11P2	1	2	LEAD	N	4	2004	1.1	UG/L	U
OC13P21A04	O	C13P2	2	2	LEAD	N	1	2004	1.1	UG/L	U
OC13P22A04	O	C13P2	2	2	LEAD	N	2	2004	1.1	UG/L	U
OC13P23A04	O	C13P2	2	2	LEAD	N	3	2004	1.1	UG/L	U
OC13P24A04	O	C13P2	2	2	LEAD	N	4	2004	1.1	UG/L	U
OC14P21A04	O	C14P2	3	2	LEAD	N	1	2004	1.1	UG/L	U
OC14P22A04	O	C14P2	3	2	LEAD	N	2	2004	1.1	UG/L	U
OC14P23A04	O	C14P2	3	2	LEAD	N	3	2004	1.1	UG/L	U
OC14P24A04	O	C14P2	3	2	LEAD	N	4	2004	1.1	UG/L	U
OC18P21A04	O	C18P2	4	2	LEAD	N	1	2004	1.1	UG/L	U
OC18P22A04	O	C18P2	4	2	LEAD	N	2	2004	1.7	UG/L	

Table 7.17. Raw Data for Lead. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
OC18P23A04	O	C18P2	4	2	LEAD	N	3	2004	1.1	UG/L	U
OC18P24A04	O	C18P2	4	2	LEAD	N	4	2004	1.1	UG/L	U
OC19P21A04	O	C19P2	5	2	LEAD	N	1	2004	1.1	UG/L	U
OC19P22A04	O	C19P2	5	2	LEAD	N	2	2004	1.1	UG/L	U
OC19P23A04	O	C19P2	5	2	LEAD	N	3	2004	1.1	UG/L	U
OC19P24A04	O	C19P2	5	2	LEAD	N	4	2004	1.1	UG/L	U
OC11P21A04F	O	C11P2	1	2	LEAD	Y	1	2004	1	UG/L	U
OC11P22A04F	O	C11P2	1	2	LEAD	Y	2	2004	1	UG/L	U
OC11P23A04F	O	C11P2	1	2	LEAD	Y	3	2004	1	UG/L	U
OC11P24A04F	O	C11P2	1	2	LEAD	Y	4	2004	1	UG/L	U
OC13P21A04F	O	C13P2	2	2	LEAD	Y	1	2004	1	UG/L	U
OC13P22A04F	O	C13P2	2	2	LEAD	Y	2	2004	1	UG/L	U
OC13P23A04F	O	C13P2	2	2	LEAD	Y	3	2004	1	UG/L	U
OC13P24A04F	O	C13P2	2	2	LEAD	Y	4	2004	1	UG/L	U
OC14P21A04F	O	C14P2	3	2	LEAD	Y	1	2004	1	UG/L	U
OC14P22A04F	O	C14P2	3	2	LEAD	Y	2	2004	1	UG/L	U
OC14P23A04F	O	C14P2	3	2	LEAD	Y	3	2004	1	UG/L	U
OC14P24A04F	O	C14P2	3	2	LEAD	Y	4	2004	1	UG/L	U
OC18P21A04F	O	C18P2	4	2	LEAD	Y	1	2004	1	UG/L	U
OC18P22A04F	O	C18P2	4	2	LEAD	Y	2	2004	1	UG/L	U
OC18P23A04F	O	C18P2	4	2	LEAD	Y	3	2004	1	UG/L	U
OC18P24A04F	O	C18P2	4	2	LEAD	Y	4	2004	1	UG/L	U
OC19P21A04F	O	C19P2	5	2	LEAD	Y	1	2004	1	UG/L	U
OC19P22A04F	O	C19P2	5	2	LEAD	Y	2	2004	1	UG/L	U
OC19P23A04F	O	C19P2	5	2	LEAD	Y	3	2004	1	UG/L	U
OC19P24A04F	O	C19P2	5	2	LEAD	Y	4	2004	1	UG/L	U

Table 7.18. Raw Data for Magnesium.

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC02P21A04F	A	C02P2	1	1	MAGNESIUM	Y	1	2004	6390	UG/L	
AC02P22A04F	A	C02P2	1	1	MAGNESIUM	Y	2	2004	16900	UG/L	
AC02P23A04F	A	C02P2	1	1	MAGNESIUM	Y	3	2004	17800	UG/L	
AC02P24A04F	A	C02P2	1	1	MAGNESIUM	Y	4	2004	15300	UG/L	NJ
AC031A04F	A	C03	2	1	MAGNESIUM	Y	1	2004	486	UG/L	
AC032A04F	A	C03	2	1	MAGNESIUM	Y	2	2004	1000	UG/L	U
AC033A04F	A	C03	2	1	MAGNESIUM	Y	3	2004	1000	UG/L	U
AC034A04F	A	C03	2	1	MAGNESIUM	Y	4	2004	1000	UG/L	UN
AC041A04F	A	C04	3	1	MAGNESIUM	Y	1	2004	190000	UG/L	
AC042A04F	A	C04	3	1	MAGNESIUM	Y	2	2004	193000	UG/L	
AC043A04F	A	C04	3	1	MAGNESIUM	Y	3	2004	189000	UG/L	
AC044A04F	A	C04	3	1	MAGNESIUM	Y	4	2004	210000	UG/L	NJ
AC071A04F	A	C07	4	1	MAGNESIUM	Y	1	2004	51200	UG/L	

Table 7.18. Raw Data for Magnesium. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC072A04F	A	C07	4	1	MAGNESIUM	Y	2	2004	48900	UG/L	
AC073A04F	A	C07	4	1	MAGNESIUM	Y	3	2004	47000	UG/L	
AC074A04F	A	C07	1	1	MAGNESIUM	Y	4	2004	47600	UG/L	NJ
AC08P21A04F	A	C08P2	5	1	MAGNESIUM	Y	1	2004	48600	UG/L	
AC08P22A04F	A	C08P2	5	1	MAGNESIUM	Y	2	2004	50800	UG/L	
AC08P23A04F	A	C08P2	5	1	MAGNESIUM	Y	3	2004	50000	UG/L	
AC08P24A04F	A	C08P2	5	1	MAGNESIUM	Y	4	2004	49300	UG/L	NJ
AC09P21A04F	A	C09P2	6	1	MAGNESIUM	Y	1	2004	12500	UG/L	
FD03080401F	A	C09P2	6	1	MAGNESIUM	Y	1	2004	12500	UG/L	
AC09P22A04F	A	C09P2	6	1	MAGNESIUM	Y	2	2004	13500	UG/L	
AC09P23A04F	A	C09P2	6	1	MAGNESIUM	Y	3	2004	14400	UG/L	
AC09P24A04F	A	C09P2	6	1	MAGNESIUM	Y	4	2004	14000	UG/L	NJ
FD12290402F	A	C09P2	6	1	MAGNESIUM	Y	4	2004	13700	UG/L	NJ
AC151A04F	A	C15	7	1	MAGNESIUM	Y	1	2004	35800	UG/L	
AC152A04F	A	C15	7	1	MAGNESIUM	Y	2	2004	33400	UG/L	
FD06210401F	A	C15	7	1	MAGNESIUM	Y	2	2004	32800	UG/L	
AC153A04F	A	C15	7	1	MAGNESIUM	Y	3	2004	31800	UG/L	J
FD09200402F	A	C15	7	1	MAGNESIUM	Y	3	2004	32000	UG/L	J
AC154A04F	A	C15	7	1	MAGNESIUM	Y	4	2004	31600	UG/L	NJ
FD12160401F	A	C15	7	1	MAGNESIUM	Y	4	2004	31200	UG/L	NJ
AC171A04F	A	C17	8	1	MAGNESIUM	Y	1	2004	185000	UG/L	
AC172A04F	A	C17	8	1	MAGNESIUM	Y	2	2004	200000	UG/L	
AC173A04F	A	C17	8	1	MAGNESIUM	Y	3	2004	196000	UG/L	J
FD09200401F	A	C17	8	1	MAGNESIUM	Y	3	2004	191000	UG/L	J
AC201A04F	A	C20	9	1	MAGNESIUM	Y	1	2004	39800	UG/L	
AC202B04F	A	C20	9	1	MAGNESIUM	Y	2	2004	38000	UG/L	
AC203A04F	A	C20	9	1	MAGNESIUM	Y	3	2004	35900	UG/L	
AC204A04F	A	C20	9	1	MAGNESIUM	Y	4	2004	35300	UG/L	NJ
AC251A04F	A	C25	10	1	MAGNESIUM	Y	1	2004	58200	UG/L	
AC252A04F	A	C25	10	1	MAGNESIUM	Y	2	2004	61000	UG/L	
AC253A04F	A	C25	10	1	MAGNESIUM	Y	3	2004	58900	UG/L	
AC254A04F	A	C25	10	1	MAGNESIUM	Y	4	2004	58400	UG/L	NJ
AC261A04F	A	C26	11	1	MAGNESIUM	Y	1	2004	57900	UG/L	
AC262A04F	A	C26	11	1	MAGNESIUM	Y	2	2004	57600	UG/L	
AC263A04F	A	C26	11	1	MAGNESIUM	Y	3	2004	55600	UG/L	
AC264A04F	A	C26	11	1	MAGNESIUM	Y	4	2004	53400	UG/L	NJ
AC271A04F	A	C27	12	1	MAGNESIUM	Y	1	2004	2730	UG/L	
AC272A04F	A	C27	12	1	MAGNESIUM	Y	2	2004	2900	UG/L	
AC273A04F	A	C27	12	1	MAGNESIUM	Y	3	2004	3970	UG/L	J
AC301A04F	A	C30	13	1	MAGNESIUM	Y	1	2004	26300	UG/L	
AC302A04F	A	C30	13	1	MAGNESIUM	Y	2	2004	23900	UG/L	
AC303A04F	A	C30	13	1	MAGNESIUM	Y	3	2004	22100	UG/L	
AC304A04F	A	C30	13	1	MAGNESIUM	Y	4	2004	30800	UG/L	NJ

Table 7.18. Raw Data for Magnesium. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
ASPA1A04F	A	SPA	14	1	MAGNESIUM	Y	1	2004	6400	UG/L	
ASPA2A04F	A	SPA	14	1	MAGNESIUM	Y	2	2004	11300	UG/L	
ASPA3A04F	A	SPA	14	1	MAGNESIUM	Y	3	2004	15400	UG/L	J
ASPA4A04F	A	SPA	14	1	MAGNESIUM	Y	4	2004	11900	UG/L	NJ
ASPC1A04F	A	SPC	15	1	MAGNESIUM	Y	1	2004	4210	UG/L	
FD03030401F	A	SPC	15	1	MAGNESIUM	Y	1	2004	4060	UG/L	
ASPC2A04F	A	SPC	15	1	MAGNESIUM	Y	2	2004	8240	UG/L	
FD06290401F	A	SPC	15	1	MAGNESIUM	Y	2	2004	8300	UG/L	
ASPC3A04F	A	SPC	15	1	MAGNESIUM	Y	3	2004	11600	UG/L	J
ASPC4A04F	A	SPC	15	1	MAGNESIUM	Y	4	2004	10700	UG/L	NJ

Table 7.19. Raw Data for Manganese.

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
DC021A04	D	C02	1	1	MANGANESE	N	1	2004	88	UG/L	
DC023A04	D	C02	1	1	MANGANESE	N	3	2004	98.3	UG/L	N
DC031A04	D	C03	2	1	MANGANESE	N	1	2004	454	UG/L	
DC033A04	D	C03	2	1	MANGANESE	N	3	2004	544	UG/L	
FD07210401	D	C03	2	1	MANGANESE	N	3	2004	520	UG/L	
DC041A04	D	C04	3	1	MANGANESE	N	1	2004	190	UG/L	
FD01140401	D	C04	3	1	MANGANESE	N	1	2004	189	UG/L	
DC043A04	D	C04	3	1	MANGANESE	N	3	2004	202	UG/L	N
FD07150401	D	C04	3	1	MANGANESE	N	3	2004	199	UG/L	N
DC051A04	D	C05	4	1	MANGANESE	N	1	2004	16.7	UG/L	U
DC053A04	D	C05	4	1	MANGANESE	N	3	2004	16.7	UG/L	UN
DC061A04	D	C06	5	1	MANGANESE	N	1	2004	21.7	UG/L	
FD01080401	D	C06	5	1	MANGANESE	N	1	2004	23.1	UG/L	
DC063A04	D	C06	5	1	MANGANESE	N	3	2004	16.7	UG/L	UN
DC071A04	D	C07	6	1	MANGANESE	N	1	2004	16.7	UG/L	U
DC073A04	D	C07	6	1	MANGANESE	N	3	2004	16.7	UG/L	UN
DC081A04	D	C08	7	1	MANGANESE	N	1	2004	29.5	UG/L	
DC083A04	D	C08	7	1	MANGANESE	N	3	2004	16.7	UG/L	UN
DC021A04F	D	C02	1	1	MANGANESE	Y	1	2004	91.9	UG/L	
DC023A04F	D	C02	1	1	MANGANESE	Y	3	2004	150	UG/L	U
DC031A04F	D	C03	2	1	MANGANESE	Y	1	2004	451	UG/L	
DC033A04F	D	C03	2	1	MANGANESE	Y	3	2004	432	UG/L	
FD07210401F	D	C03	2	1	MANGANESE	Y	3	2004	461	UG/L	
DC041A04F	D	C04	3	1	MANGANESE	Y	1	2004	194	UG/L	
FD01140401F	D	C04	3	1	MANGANESE	Y	1	2004	195	UG/L	
DC043A04F	D	C04	3	1	MANGANESE	Y	3	2004	184	UG/L	
FD07150401F	D	C04	3	1	MANGANESE	Y	3	2004	185	UG/L	
DC051A04F	D	C05	4	1	MANGANESE	Y	1	2004	15	UG/L	U
DC053A04F	D	C05	4	1	MANGANESE	Y	3	2004	15	UG/L	U

Table 7.19. Raw Data for Manganese. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
DC061A04F	D	C06	5	1	MANGANESE	Y	1	2004	19.9	UG/L	
FD01080401F	D	C06	5	1	MANGANESE	Y	1	2004	21.8	UG/L	
DC063A04F	D	C06	5	1	MANGANESE	Y	3	2004	15	UG/L	U
DC071A04F	D	C07	6	1	MANGANESE	Y	1	2004	15	UG/L	U
DC073A04F	D	C07	6	1	MANGANESE	Y	3	2004	15	UG/L	U
DC081A04F	D	C08	7	1	MANGANESE	Y	1	2004	15	UG/L	U
DC083A04F	D	C08	7	1	MANGANESE	Y	3	2004	15	UG/L	U
DC03P21A04	D	C03P2	1	2	MANGANESE	N	1	2004	16.7	UG/L	U
DC03P23A04	D	C03P2	1	2	MANGANESE	N	3	2004	17.2	UG/L	N
DC04P21A04	D	C04P2	2	2	MANGANESE	N	1	2004	22.8	UG/L	
DC04P23A04	D	C04P2	2	2	MANGANESE	N	3	2004	26.7	UG/L	N
DC06P21A04	D	C06P2	3	2	MANGANESE	N	1	2004	16.7	UG/L	U
DC06P23A04	D	C06P2	3	2	MANGANESE	N	3	2004	16.7	UG/L	UN
DC08P21A04	D	C08P2	4	2	MANGANESE	N	1	2004	548	UG/L	
DC08P23A04	D	C08P2	4	2	MANGANESE	N	3	2004	584	UG/L	
DC03P21A04F	D	C03P2	1	2	MANGANESE	Y	1	2004	15	UG/L	U
DC03P23A04F	D	C03P2	1	2	MANGANESE	Y	3	2004	15	UG/L	U
DC04P21A04F	D	C04P2	2	2	MANGANESE	Y	1	2004	21.6	UG/L	
DC04P23A04F	D	C04P2	2	2	MANGANESE	Y	3	2004	15	UG/L	U
DC06P21A04F	D	C06P2	3	2	MANGANESE	Y	1	2004	15	UG/L	U
DC06P23A04F	D	C06P2	3	2	MANGANESE	Y	3	2004	15	UG/L	U
DC08P21A04F	D	C08P2	4	2	MANGANESE	Y	1	2004	571	UG/L	
DC08P23A04F	D	C08P2	4	2	MANGANESE	Y	3	2004	540	UG/L	
OC081A04	O	C08	1	1	MANGANESE	N	1	2004	16.7	UG/L	U
OC082A04	O	C08	1	1	MANGANESE	N	2	2004	16.7	UG/L	U
OC083A04	O	C08	1	1	MANGANESE	N	3	2004	16.7	UG/L	UJ
OC084A04	O	C08	1	1	MANGANESE	N	4	2004	25.5	UG/L	
OC111A04	O	C11	2	1	MANGANESE	N	1	2004	24.3	UG/L	
OC112A04	O	C11	2	1	MANGANESE	N	2	2004	24.4	UG/L	
OC113A04	O	C11	2	1	MANGANESE	N	3	2004	21.2	UG/L	J
OC114A04	O	C11	2	1	MANGANESE	N	4	2004	16.7	UG/L	U
OC121A04	O	C12	3	1	MANGANESE	N	1	2004	434	UG/L	
OC122A04	O	C12	3	1	MANGANESE	N	2	2004	437	UG/L	
OC123A04	O	C12	3	1	MANGANESE	N	3	2004	453	UG/L	J
OC124A04	O	C12	3	1	MANGANESE	N	4	2004	417	UG/L	
OC131A04	O	C13	4	1	MANGANESE	N	1	2004	466	UG/L	
OC132A04	O	C13	4	1	MANGANESE	N	2	2004	524	UG/L	
OC133A04	O	C13	4	1	MANGANESE	N	3	2004	489	UG/L	J
OC134A04	O	C13	4	1	MANGANESE	N	4	2004	535	UG/L	
OC141A04	O	C14	5	1	MANGANESE	N	1	2004	332	UG/L	
OC142A04	O	C14	5	1	MANGANESE	N	2	2004	308	UG/L	
OC143A04	O	C14	5	1	MANGANESE	N	3	2004	176	UG/L	J
OC144A04	O	C14	5	1	MANGANESE	N	4	2004	302	UG/L	

Table 7.19. Raw Data for Manganese. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
OC151A04	O	C15	6	1	MANGANESE	N	1	2004	16.7	UG/L	U
FD02100401	O	C15	6	1	MANGANESE	N	1	2004	16.7	UG/L	U
OC152A04	O	C15	6	1	MANGANESE	N	2	2004	16.7	UG/L	U
FD05170401	O	C15	6	1	MANGANESE	N	2	2004	16.7	UG/L	U
OC153A04	O	C15	6	1	MANGANESE	N	3	2004	16.7	UG/L	UJ
FD08170401	O	C15	6	1	MANGANESE	N	3	2004	16.7	UG/L	UJ
OC154A04	O	C15	6	1	MANGANESE	N	4	2004	16.7	UG/L	U
FD11160401	O	C15	6	1	MANGANESE	N	4	2004	16.7	UG/L	U
OC161A04	O	C16	7	1	MANGANESE	N	1	2004	16.7	UG/L	U
FD02110401	O	C16	7	1	MANGANESE	N	1	2004	16.7	UG/L	U
OC162A04	O	C16	7	1	MANGANESE	N	2	2004	16.7	UG/L	U
FD05030401	O	C16	7	1	MANGANESE	N	2	2004	16.7	UG/L	U
OC163A04	O	C16	7	1	MANGANESE	N	3	2004	16.7	UG/L	UJ
OC164A04	O	C16	7	1	MANGANESE	N	4	2004	16.7	UG/L	U
FD11230402	O	C16	7	1	MANGANESE	N	4	2004	16.7	UG/L	U
OC181A04	O	C18	8	1	MANGANESE	N	1	2004	128	UG/L	
OC182A04	O	C18	8	1	MANGANESE	N	2	2004	157	UG/L	
OC183A04	O	C18	8	1	MANGANESE	N	3	2004	138	UG/L	J
OC184A04	O	C18	8	1	MANGANESE	N	4	2004	144	UG/L	
OC191A04	O	C19	9	1	MANGANESE	N	1	2004	221	UG/L	
OC192A04	O	C19	9	1	MANGANESE	N	2	2004	283	UG/L	
OC193A04	O	C19	9	1	MANGANESE	N	3	2004	247	UG/L	J
FD09010401	O	C19	9	1	MANGANESE	N	3	2004	245	UG/L	J
OC194A04	O	C19	9	1	MANGANESE	N	4	2004	250	UG/L	
OC081A04F	O	C08	1	1	MANGANESE	Y	1	2004	15	UG/L	U
OC082A04F	O	C08	1	1	MANGANESE	Y	2	2004	15	UG/L	U
OC083A04F	O	C08	1	1	MANGANESE	Y	3	2004	15	UG/L	U
OC084A04F	O	C08	1	1	MANGANESE	Y	4	2004	15	UG/L	U
OC111A04F	O	C11	2	1	MANGANESE	Y	1	2004	19.2	UG/L	
OC112A04F	O	C11	2	1	MANGANESE	Y	2	2004	21.7	UG/L	
OC113A04F	O	C11	2	1	MANGANESE	Y	3	2004	15	UG/L	U
OC114A04F	O	C11	2	1	MANGANESE	Y	4	2004	15	UG/L	U
OC121A04F	O	C12	3	1	MANGANESE	Y	1	2004	444	UG/L	
OC122A04F	O	C12	3	1	MANGANESE	Y	2	2004	1500	UG/L	U
OC123A04F	O	C12	3	1	MANGANESE	Y	3	2004	403	UG/L	J
OC124A04F	O	C12	3	1	MANGANESE	Y	4	2004	419	UG/L	
OC131A04F	O	C13	4	1	MANGANESE	Y	1	2004	526	UG/L	
OC132A04F	O	C13	4	1	MANGANESE	Y	2	2004	1500	UG/L	U
OC133A04F	O	C13	4	1	MANGANESE	Y	3	2004	534	UG/L	J
OC134A04F	O	C13	4	1	MANGANESE	Y	4	2004	531	UG/L	
OC141A04F	O	C14	5	1	MANGANESE	Y	1	2004	340	UG/L	
OC142A04F	O	C14	5	1	MANGANESE	Y	2	2004	1500	UG/L	U
OC143A04F	O	C14	5	1	MANGANESE	Y	3	2004	251	UG/L	J

Table 7.19. Raw Data for Manganese. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
OC144A04F	O	C14	5	1	MANGANESE	Y	4	2004	303	UG/L	
OC151A04F	O	C15	6	1	MANGANESE	Y	1	2004	15	UG/L	U
FD02100401F	O	C15	6	1	MANGANESE	Y	1	2004	15	UG/L	U
OC152A04F	O	C15	6	1	MANGANESE	Y	2	2004	15	UG/L	U
FD05170401F	O	C15	6	1	MANGANESE	Y	2	2004	15	UG/L	U
OC153A04F	O	C15	6	1	MANGANESE	Y	3	2004	15	UG/L	U
FD08170401F	O	C15	6	1	MANGANESE	Y	3	2004	15	UG/L	U
OC154A04F	O	C15	6	1	MANGANESE	Y	4	2004	15	UG/L	U
FD11160401F	O	C15	6	1	MANGANESE	Y	4	2004	15	UG/L	U
OC161A04F	O	C16	7	1	MANGANESE	Y	1	2004	15	UG/L	U
FD02110401F	O	C16	7	1	MANGANESE	Y	1	2004	15	UG/L	U
OC162A04F	O	C16	7	1	MANGANESE	Y	2	2004	15	UG/L	U
FD05030401F	O	C16	7	1	MANGANESE	Y	2	2004	15	UG/L	U
OC163A04F	O	C16	7	1	MANGANESE	Y	3	2004	15	UG/L	U
OC164A04F	O	C16	7	1	MANGANESE	Y	4	2004	15	UG/L	U
FD11230402F	O	C16	7	1	MANGANESE	Y	4	2004	15	UG/L	U
OC181A04F	O	C18	8	1	MANGANESE	Y	1	2004	130	UG/L	
OC182A04F	O	C18	8	1	MANGANESE	Y	2	2004	144	UG/L	
OC183A04F	O	C18	8	1	MANGANESE	Y	3	2004	146	UG/L	J
OC184A04F	O	C18	8	1	MANGANESE	Y	4	2004	137	UG/L	
OC191A04F	O	C19	9	1	MANGANESE	Y	1	2004	251	UG/L	
OC192A04F	O	C19	9	1	MANGANESE	Y	2	2004	278	UG/L	
OC193A04F	O	C19	9	1	MANGANESE	Y	3	2004	241	UG/L	J
FD09010401F	O	C19	9	1	MANGANESE	Y	3	2004	239	UG/L	J
OC194A04F	O	C19	9	1	MANGANESE	Y	4	2004	252	UG/L	
OC11P21A04	O	C11P2	1	2	MANGANESE	N	1	2004	136	UG/L	
OC11P22A04	O	C11P2	1	2	MANGANESE	N	2	2004	104	UG/L	
OC11P23A04	O	C11P2	1	2	MANGANESE	N	3	2004	126	UG/L	J
OC11P24A04	O	C11P2	1	2	MANGANESE	N	4	2004	102	UG/L	
OC13P21A04	O	C13P2	2	2	MANGANESE	N	1	2004	596	UG/L	
OC13P22A04	O	C13P2	2	2	MANGANESE	N	2	2004	653	UG/L	
OC13P23A04	O	C13P2	2	2	MANGANESE	N	3	2004	580	UG/L	J
OC13P24A04	O	C13P2	2	2	MANGANESE	N	4	2004	615	UG/L	
OC14P21A04	O	C14P2	3	2	MANGANESE	N	1	2004	16.7	UG/L	U
OC14P22A04	O	C14P2	3	2	MANGANESE	N	2	2004	16.7	UG/L	U
OC14P23A04	O	C14P2	3	2	MANGANESE	N	3	2004	16.7	UG/L	UJ
OC14P24A04	O	C14P2	3	2	MANGANESE	N	4	2004	16.7	UG/L	U
OC18P21A04	O	C18P2	4	2	MANGANESE	N	1	2004	462	UG/L	
OC18P22A04	O	C18P2	4	2	MANGANESE	N	2	2004	475	UG/L	
OC18P23A04	O	C18P2	4	2	MANGANESE	N	3	2004	561	UG/L	J
OC18P24A04	O	C18P2	4	2	MANGANESE	N	4	2004	600	UG/L	
OC19P21A04	O	C19P2	5	2	MANGANESE	N	1	2004	143	UG/L	
OC19P22A04	O	C19P2	5	2	MANGANESE	N	2	2004	142	UG/L	

Table 7.19. Raw Data for Manganese. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
OC19P23A04	O	C19P2	5	2	MANGANESE	N	3	2004	117	UG/L	J
OC19P24A04	O	C19P2	5	2	MANGANESE	N	4	2004	123	UG/L	
OC11P21A04F	O	C11P2	1	2	MANGANESE	Y	1	2004	93.1	UG/L	
OC11P22A04F	O	C11P2	1	2	MANGANESE	Y	2	2004	106	UG/L	
OC11P23A04F	O	C11P2	1	2	MANGANESE	Y	3	2004	116	UG/L	J
OC11P24A04F	O	C11P2	1	2	MANGANESE	Y	4	2004	96.6	UG/L	
OC13P21A04F	O	C13P2	2	2	MANGANESE	Y	1	2004	608	UG/L	
OC13P22A04F	O	C13P2	2	2	MANGANESE	Y	2	2004	1500	UG/L	U
OC13P23A04F	O	C13P2	2	2	MANGANESE	Y	3	2004	681	UG/L	J
OC13P24A04F	O	C13P2	2	2	MANGANESE	Y	4	2004	616	UG/L	
OC14P21A04F	O	C14P2	3	2	MANGANESE	Y	1	2004	15	UG/L	U
OC14P22A04F	O	C14P2	3	2	MANGANESE	Y	2	2004	15.8	UG/L	
OC14P23A04F	O	C14P2	3	2	MANGANESE	Y	3	2004	15.1	UG/L	J
OC14P24A04F	O	C14P2	3	2	MANGANESE	Y	4	2004	16.1	UG/L	
OC18P21A04F	O	C18P2	4	2	MANGANESE	Y	1	2004	470	UG/L	
OC18P22A04F	O	C18P2	4	2	MANGANESE	Y	2	2004	1500	UG/L	U
OC18P23A04F	O	C18P2	4	2	MANGANESE	Y	3	2004	559	UG/L	J
OC18P24A04F	O	C18P2	4	2	MANGANESE	Y	4	2004	592	UG/L	
OC19P21A04F	O	C19P2	5	2	MANGANESE	Y	1	2004	126	UG/L	
OC19P22A04F	O	C19P2	5	2	MANGANESE	Y	2	2004	137	UG/L	
OC19P23A04F	O	C19P2	5	2	MANGANESE	Y	3	2004	125	UG/L	J
OC19P24A04F	O	C19P2	5	2	MANGANESE	Y	4	2004	121	UG/L	

Table 7.20. Raw Data for Nickel.

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC02P21A04	A	C02P2	1	1	NICKEL	N	1	2004	11.1	UG/L	U
AC02P22A04	A	C02P2	1	1	NICKEL	N	2	2004	11.1	UG/L	U
AC02P23A04	A	C02P2	1	1	NICKEL	N	3	2004	11.1	UG/L	U
AC02P24A04	A	C02P2	1	1	NICKEL	N	4	2004	11.1	UG/L	U
AC031A04	A	C03	2	1	NICKEL	N	1	2004	11.1	UG/L	U
AC032A04	A	C03	2	1	NICKEL	N	2	2004	11.1	UG/L	U
AC033A04	A	C03	2	1	NICKEL	N	3	2004	11.1	UG/L	U
AC034A04	A	C03	2	1	NICKEL	N	4	2004	11.1	UG/L	U
AC041A04	A	C04	3	1	NICKEL	N	1	2004	11.1	UG/L	U
AC042A04	A	C04	3	1	NICKEL	N	2	2004	11.1	UG/L	U
AC043A04	A	C04	3	1	NICKEL	N	3	2004	11.1	UG/L	U
AC044A04	A	C04	3	1	NICKEL	N	4	2004	14.2	UG/L	
AC071A04	A	C07	4	1	NICKEL	N	1	2004	11.1	UG/L	U
AC072A04	A	C07	4	1	NICKEL	N	2	2004	11.1	UG/L	U
AC073A04	A	C07	4	1	NICKEL	N	3	2004	11.1	UG/L	U
AC074A04	A	C07	4	1	NICKEL	N	4	2004	11.1	UG/L	U
AC08P21A04	A	C08P2	5	1	NICKEL	N	1	2004	11.1	UG/L	U

Table 7.20. Raw Data for Nickel. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC08P22A04	A	C08P2	5	1	NICKEL	N	2	2004	11.1	UG/L	U
AC08P23A04	A	C08P2	5	1	NICKEL	N	3	2004	11.1	UG/L	U
AC08P24A04	A	C08P2	5	1	NICKEL	N	4	2004	11.7	UG/L	
AC09P21A04	A	C09P2	6	1	NICKEL	N	1	2004	11.1	UG/L	U
FD03080401	A	C09P2	6	1	NICKEL	N	1	2004	11.1	UG/L	U
AC09P22A04	A	C09P2	6	1	NICKEL	N	2	2004	11.1	UG/L	U
AC09P23A04	A	C09P2	6	1	NICKEL	N	3	2004	11.1	UG/L	U
AC09P24A04	A	C09P2	6	1	NICKEL	N	4	2004	11.1	UG/L	U
FD12290402	A	C09P2	6	1	NICKEL	N	4	2004	11.1	UG/L	U
AC151A04	A	C15	7	1	NICKEL	N	1	2004	11.1	UG/L	U
AC152A04	A	C15	7	1	NICKEL	N	2	2004	11.1	UG/L	U
FD06210401	A	C15	7	1	NICKEL	N	2	2004	11.1	UG/L	U
AC153A04	A	C15	7	1	NICKEL	N	3	2004	11.1	UG/L	U
FD09200402	A	C15	7	1	NICKEL	N	3	2004	11.1	UG/L	U
AC154A04	A	C15	7	1	NICKEL	N	4	2004	11.1	UG/L	U
FD12160401	A	C15	7	1	NICKEL	N	4	2004	11.1	UG/L	U
AC171A04	A	C17	8	1	NICKEL	N	1	2004	11.1	UG/L	U
AC172A04	A	C17	8	1	NICKEL	N	2	2004	11.1	UG/L	U
AC173A04	A	C17	8	1	NICKEL	N	3	2004	11.1	UG/L	U
FD09200401	A	C17	8	1	NICKEL	N	3	2004	11.1	UG/L	U
AC201A04	A	C20	9	1	NICKEL	N	1	2004	11.1	UG/L	U
AC202B04	A	C20	9	1	NICKEL	N	2	2004	11.1	UG/L	U
AC203A04	A	C20	9	1	NICKEL	N	3	2004	11.1	UG/L	U
AC204A04	A	C20	9	1	NICKEL	N	4	2004	11.1	UG/L	U
AC251A04	A	C25	10	1	NICKEL	N	1	2004	11.1	UG/L	U
AC252A04	A	C25	10	1	NICKEL	N	2	2004	11.1	UG/L	U
AC253A04	A	C25	10	1	NICKEL	N	3	2004	11.1	UG/L	U
AC254A04	A	C25	10	1	NICKEL	N	4	2004	11.1	UG/L	U
AC261A04	A	C26	11	1	NICKEL	N	1	2004	11.1	UG/L	U
AC262A04	A	C26	11	1	NICKEL	N	2	2004	11.1	UG/L	U
AC263A04	A	C26	11	1	NICKEL	N	3	2004	11.1	UG/L	U
AC264A04	A	C26	11	1	NICKEL	N	4	2004	11.1	UG/L	U
AC271A04	A	C27	12	1	NICKEL	N	1	2004	11.1	UG/L	U
AC272A04	A	C27	12	1	NICKEL	N	2	2004	11.1	UG/L	U
AC273A04	A	C27	12	1	NICKEL	N	3	2004	11.1	UG/L	U
AC301A04	A	C30	13	1	NICKEL	N	1	2004	11.1	UG/L	U
AC302A04	A	C30	13	1	NICKEL	N	2	2004	11.1	UG/L	U
AC303A04	A	C30	13	1	NICKEL	N	3	2004	11.1	UG/L	U
AC304A04	A	C30	13	1	NICKEL	N	4	2004	11.1	UG/L	U
ASPA1A04	A	SPA	14	1	NICKEL	N	1	2004	11.1	UG/L	U
ASPA2A04	A	SPA	14	1	NICKEL	N	2	2004	11.1	UG/L	U
ASPA3A04	A	SPA	14	1	NICKEL	N	3	2004	11.1	UG/L	U
ASPA4A04	A	SPA	14	1	NICKEL	N	4	2004	11.1	UG/L	U

Table 7.20. Raw Data for Nickel. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
ASPC1A04	A	SPC	15	1	NICKEL	N	1	2004	11.1	UG/L	U
FD03030401	A	SPC	15	1	NICKEL	N	1	2004	11.1	UG/L	U
ASPC2A04	A	SPC	15	1	NICKEL	N	2	2004	11.1	UG/L	U
FD06290401	A	SPC	15	1	NICKEL	N	2	2004	11.1	UG/L	U
ASPC3A04	A	SPC	15	1	NICKEL	N	3	2004	11.1	UG/L	U
ASPC4A04	A	SPC	15	1	NICKEL	N	4	2004	11.1	UG/L	U
AC02P21A04F	A	C02P2	1	1	NICKEL	Y	1	2004	10	UG/L	U
AC02P22A04F	A	C02P2	1	1	NICKEL	Y	2	2004	10	UG/L	U
AC02P23A04F	A	C02P2	1	1	NICKEL	Y	3	2004	10	UG/L	U
AC02P24A04F	A	C02P2	1	1	NICKEL	Y	4	2004	10	UG/L	U
AC031A04F	A	C03	2	1	NICKEL	Y	1	2004	10	UG/L	U
AC032A04F	A	C03	2	1	NICKEL	Y	2	2004	10	UG/L	U
AC033A04F	A	C03	2	1	NICKEL	Y	3	2004	10	UG/L	U
AC034A04F	A	C03	2	1	NICKEL	Y	4	2004	10	UG/L	U
AC041A04F	A	C04	3	1	NICKEL	Y	1	2004	10	UG/L	U
AC042A04F	A	C04	3	1	NICKEL	Y	2	2004	10	UG/L	U
AC043A04F	A	C04	3	1	NICKEL	Y	3	2004	10	UG/L	U
AC044A04F	A	C04	3	1	NICKEL	Y	4	2004	10	UG/L	U
AC071A04F	A	C07	4	1	NICKEL	Y	1	2004	10	UG/L	U
AC072A04F	A	C07	4	1	NICKEL	Y	2	2004	10	UG/L	U
AC073A04F	A	C07	4	1	NICKEL	Y	3	2004	10	UG/L	U
AC074A04F	A	C07	1	1	NICKEL	Y	4	2004	10	UG/L	U
AC08P21A04F	A	C08P2	5	1	NICKEL	Y	1	2004	10	UG/L	U
AC08P22A04F	A	C08P2	5	1	NICKEL	Y	2	2004	10	UG/L	U
AC08P23A04F	A	C08P2	5	1	NICKEL	Y	3	2004	10	UG/L	U
AC08P24A04F	A	C08P2	5	1	NICKEL	Y	4	2004	10	UG/L	U
AC09P21A04F	A	C09P2	6	1	NICKEL	Y	1	2004	10	UG/L	U
FD03080401F	A	C09P2	6	1	NICKEL	Y	1	2004	10	UG/L	U
AC09P22A04F	A	C09P2	6	1	NICKEL	Y	2	2004	10	UG/L	U
AC09P23A04F	A	C09P2	6	1	NICKEL	Y	3	2004	10	UG/L	U
AC09P24A04F	A	C09P2	6	1	NICKEL	Y	4	2004	10	UG/L	U
FD12290402F	A	C09P2	6	1	NICKEL	Y	4	2004	10	UG/L	U
AC151A04F	A	C15	7	1	NICKEL	Y	1	2004	10	UG/L	U
AC152A04F	A	C15	7	1	NICKEL	Y	2	2004	10	UG/L	U
FD06210401F	A	C15	7	1	NICKEL	Y	2	2004	10	UG/L	U
AC153A04F	A	C15	7	1	NICKEL	Y	3	2004	10	UG/L	U
FD09200402F	A	C15	7	1	NICKEL	Y	3	2004	10	UG/L	U
AC154A04F	A	C15	7	1	NICKEL	Y	4	2004	10	UG/L	U
FD12160401F	A	C15	7	1	NICKEL	Y	4	2004	10	UG/L	U
AC171A04F	A	C17	8	1	NICKEL	Y	1	2004	10	UG/L	U
AC172A04F	A	C17	8	1	NICKEL	Y	2	2004	10	UG/L	U
AC173A04F	A	C17	8	1	NICKEL	Y	3	2004	10	UG/L	U
FD09200401F	A	C17	8	1	NICKEL	Y	3	2004	10	UG/L	U

Table 7.20. Raw Data for Nickel. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC201A04F	A	C20	9	1	NICKEL	Y	1	2004	10	UG/L	U
AC202B04F	A	C20	9	1	NICKEL	Y	2	2004	10	UG/L	U
AC203A04F	A	C20	9	1	NICKEL	Y	3	2004	10	UG/L	U
AC204A04F	A	C20	9	1	NICKEL	Y	4	2004	10	UG/L	U
AC251A04F	A	C25	10	1	NICKEL	Y	1	2004	10	UG/L	U
AC252A04F	A	C25	10	1	NICKEL	Y	2	2004	10	UG/L	U
AC253A04F	A	C25	10	1	NICKEL	Y	3	2004	10	UG/L	U
AC254A04F	A	C25	10	1	NICKEL	Y	4	2004	10	UG/L	U
AC261A04F	A	C26	11	1	NICKEL	Y	1	2004	10	UG/L	U
AC262A04F	A	C26	11	1	NICKEL	Y	2	2004	10	UG/L	U
AC263A04F	A	C26	11	1	NICKEL	Y	3	2004	10	UG/L	U
AC264A04F	A	C26	11	1	NICKEL	Y	4	2004	10	UG/L	U
AC271A04F	A	C27	12	1	NICKEL	Y	1	2004	10	UG/L	U
AC272A04F	A	C27	12	1	NICKEL	Y	2	2004	10	UG/L	U
AC273A04F	A	C27	12	1	NICKEL	Y	3	2004	10	UG/L	U
AC301A04F	A	C30	13	1	NICKEL	Y	1	2004	10	UG/L	U
AC302A04F	A	C30	13	1	NICKEL	Y	2	2004	10	UG/L	U
AC303A04F	A	C30	13	1	NICKEL	Y	3	2004	10	UG/L	U
AC304A04F	A	C30	13	1	NICKEL	Y	4	2004	10	UG/L	U
ASPA1A04F	A	SPA	14	1	NICKEL	Y	1	2004	10	UG/L	U
ASPA2A04F	A	SPA	14	1	NICKEL	Y	2	2004	10	UG/L	U
ASPA3A04F	A	SPA	14	1	NICKEL	Y	3	2004	10	UG/L	U
ASPA4A04F	A	SPA	14	1	NICKEL	Y	4	2004	10	UG/L	U
ASPC1A04F	A	SPC	15	1	NICKEL	Y	1	2004	10	UG/L	U
FD03030401F	A	SPC	15	1	NICKEL	Y	1	2004	10	UG/L	U
ASPC2A04F	A	SPC	15	1	NICKEL	Y	2	2004	10	UG/L	U
FD06290401F	A	SPC	15	1	NICKEL	Y	2	2004	10	UG/L	U
ASPC3A04F	A	SPC	15	1	NICKEL	Y	3	2004	10	UG/L	U
ASPC4A04F	A	SPC	15	1	NICKEL	Y	4	2004	10	UG/L	U
DC021A04	D	C02	1	1	NICKEL	N	1	2004	11.1	UG/L	U
DC023A04	D	C02	1	1	NICKEL	N	3	2004	11.1	UG/L	U
DC031A04	D	C03	2	1	NICKEL	N	1	2004	11.1	UG/L	U
DC033A04	D	C03	2	1	NICKEL	N	3	2004	11.1	UG/L	U
FD07210401	D	C03	2	1	NICKEL	N	3	2004	11.1	UG/L	U
DC041A04	D	C04	3	1	NICKEL	N	1	2004	11.1	UG/L	U
FD01140401	D	C04	3	1	NICKEL	N	1	2004	11.1	UG/L	U
DC043A04	D	C04	3	1	NICKEL	N	3	2004	11.1	UG/L	U
FD07150401	D	C04	3	1	NICKEL	N	3	2004	11.1	UG/L	U
DC051A04	D	C05	4	1	NICKEL	N	1	2004	11.1	UG/L	U
DC053A04	D	C05	4	1	NICKEL	N	3	2004	11.1	UG/L	U
DC061A04	D	C06	5	1	NICKEL	N	1	2004	11.1	UG/L	U
FD01080401	D	C06	5	1	NICKEL	N	1	2004	11.1	UG/L	U
DC063A04	D	C06	5	1	NICKEL	N	3	2004	11.1	UG/L	U

Table 7.20. Raw Data for Nickel. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
DC071A04	D	C07	6	1	NICKEL	N	1	2004	11.1	UG/L	U
DC073A04	D	C07	6	1	NICKEL	N	3	2004	11.1	UG/L	U
DC081A04	D	C08	7	1	NICKEL	N	1	2004	11.1	UG/L	U
DC083A04	D	C08	7	1	NICKEL	N	3	2004	11.1	UG/L	U
DC021A04F	D	C02	1	1	NICKEL	Y	1	2004	10	UG/L	U
DC023A04F	D	C02	1	1	NICKEL	Y	3	2004	10	UG/L	U
DC031A04F	D	C03	2	1	NICKEL	Y	1	2004	10	UG/L	U
DC033A04F	D	C03	2	1	NICKEL	Y	3	2004	10	UG/L	U
FD07210401F	D	C03	2	1	NICKEL	Y	3	2004	10	UG/L	U
DC041A04F	D	C04	3	1	NICKEL	Y	1	2004	10	UG/L	U
FD01140401F	D	C04	3	1	NICKEL	Y	1	2004	10	UG/L	U
DC043A04F	D	C04	3	1	NICKEL	Y	3	2004	10	UG/L	U
FD07150401F	D	C04	3	1	NICKEL	Y	3	2004	10	UG/L	U
DC051A04F	D	C05	4	1	NICKEL	Y	1	2004	10	UG/L	U
DC053A04F	D	C05	4	1	NICKEL	Y	3	2004	10	UG/L	U
DC061A04F	D	C06	5	1	NICKEL	Y	1	2004	10	UG/L	U
FD01080401F	D	C06	5	1	NICKEL	Y	1	2004	10	UG/L	U
DC063A04F	D	C06	5	1	NICKEL	Y	3	2004	10	UG/L	U
DC071A04F	D	C07	6	1	NICKEL	Y	1	2004	10	UG/L	U
DC073A04F	D	C07	6	1	NICKEL	Y	3	2004	10	UG/L	U
DC081A04F	D	C08	7	1	NICKEL	Y	1	2004	10	UG/L	U
DC083A04F	D	C08	7	1	NICKEL	Y	3	2004	10	UG/L	U
DC03P21A04	D	C03P2	1	2	NICKEL	N	1	2004	11.1	UG/L	U
DC03P23A04	D	C03P2	1	2	NICKEL	N	3	2004	11.1	UG/L	U
DC04P21A04	D	C04P2	2	2	NICKEL	N	1	2004	11.1	UG/L	U
DC04P23A04	D	C04P2	2	2	NICKEL	N	3	2004	11.1	UG/L	U
DC06P21A04	D	C06P2	3	2	NICKEL	N	1	2004	11.1	UG/L	U
DC06P23A04	D	C06P2	3	2	NICKEL	N	3	2004	11.1	UG/L	U
DC08P21A04	D	C08P2	4	2	NICKEL	N	1	2004	25	UG/L	
DC08P23A04	D	C08P2	4	2	NICKEL	N	3	2004	25.1	UG/L	
DC03P21A04F	D	C03P2	1	2	NICKEL	Y	1	2004	10	UG/L	U
DC03P23A04F	D	C03P2	1	2	NICKEL	Y	3	2004	10	UG/L	U
DC04P21A04F	D	C04P2	2	2	NICKEL	Y	1	2004	10	UG/L	U
DC04P23A04F	D	C04P2	2	2	NICKEL	Y	3	2004	10	UG/L	U
DC06P21A04F	D	C06P2	3	2	NICKEL	Y	1	2004	10	UG/L	U
DC06P23A04F	D	C06P2	3	2	NICKEL	Y	3	2004	10	UG/L	U
DC08P21A04F	D	C08P2	4	2	NICKEL	Y	1	2004	24.5	UG/L	
DC08P23A04F	D	C08P2	4	2	NICKEL	Y	3	2004	24.2	UG/L	
OC081A04	O	C08	1	1	NICKEL	N	1	2004	11.1	UG/L	U
OC082A04	O	C08	1	1	NICKEL	N	2	2004	11.1	UG/L	U
OC083A04	O	C08	1	1	NICKEL	N	3	2004	11.1	UG/L	U
OC084A04	O	C08	1	1	NICKEL	N	4	2004	11.1	UG/L	U
OC111A04	O	C11	2	1	NICKEL	N	1	2004	11.1	UG/L	U

Table 7.20. Raw Data for Nickel. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
OC112A04	O	C11	2	1	NICKEL	N	2	2004	11.1	UG/L	U
OC113A04	O	C11	2	1	NICKEL	N	3	2004	11.1	UG/L	U
OC114A04	O	C11	2	1	NICKEL	N	4	2004	11.1	UG/L	U
OC121A04	O	C12	3	1	NICKEL	N	1	2004	11.1	UG/L	U
OC122A04	O	C12	3	1	NICKEL	N	2	2004	11.1	UG/L	U
OC123A04	O	C12	3	1	NICKEL	N	3	2004	11.1	UG/L	U
OC124A04	O	C12	3	1	NICKEL	N	4	2004	11.1	UG/L	U
OC131A04	O	C13	4	1	NICKEL	N	1	2004	11.1	UG/L	U
OC132A04	O	C13	4	1	NICKEL	N	2	2004	11.1	UG/L	U
OC133A04	O	C13	4	1	NICKEL	N	3	2004	11.1	UG/L	U
OC134A04	O	C13	4	1	NICKEL	N	4	2004	11.1	UG/L	U
OC141A04	O	C14	5	1	NICKEL	N	1	2004	11.1	UG/L	U
OC142A04	O	C14	5	1	NICKEL	N	2	2004	11.1	UG/L	U
OC143A04	O	C14	5	1	NICKEL	N	3	2004	11.1	UG/L	U
OC144A04	O	C14	5	1	NICKEL	N	4	2004	11.1	UG/L	U
OC151A04	O	C15	6	1	NICKEL	N	1	2004	11.1	UG/L	U
FD02100401	O	C15	6	1	NICKEL	N	1	2004	11.1	UG/L	U
OC152A04	O	C15	6	1	NICKEL	N	2	2004	11.1	UG/L	U
FD05170401	O	C15	6	1	NICKEL	N	2	2004	11.1	UG/L	U
OC153A04	O	C15	6	1	NICKEL	N	3	2004	11.1	UG/L	U
FD08170401	O	C15	6	1	NICKEL	N	3	2004	11.1	UG/L	U
OC154A04	O	C15	6	1	NICKEL	N	4	2004	11.1	UG/L	U
FD11160401	O	C15	6	1	NICKEL	N	4	2004	11.1	UG/L	U
OC161A04	O	C16	7	1	NICKEL	N	1	2004	11.1	UG/L	U
FD02110401	O	C16	7	1	NICKEL	N	1	2004	11.1	UG/L	U
OC162A04	O	C16	7	1	NICKEL	N	2	2004	11.1	UG/L	U
FD05030401	O	C16	7	1	NICKEL	N	2	2004	11.1	UG/L	U
OC163A04	O	C16	7	1	NICKEL	N	3	2004	11.1	UG/L	U
OC164A04	O	C16	7	1	NICKEL	N	4	2004	11.1	UG/L	U
FD11230402	O	C16	7	1	NICKEL	N	4	2004	11.1	UG/L	U
OC181A04	O	C18	8	1	NICKEL	N	1	2004	11.1	UG/L	U
OC182A04	O	C18	8	1	NICKEL	N	2	2004	11.1	UG/L	U
OC183A04	O	C18	8	1	NICKEL	N	3	2004	11.1	UG/L	U
OC184A04	O	C18	8	1	NICKEL	N	4	2004	11.1	UG/L	U
OC191A04	O	C19	9	1	NICKEL	N	1	2004	11.1	UG/L	U
OC192A04	O	C19	9	1	NICKEL	N	2	2004	11.1	UG/L	U
OC193A04	O	C19	9	1	NICKEL	N	3	2004	11.1	UG/L	U
FD09010401	O	C19	9	1	NICKEL	N	3	2004	11.1	UG/L	U
OC194A04	O	C19	9	1	NICKEL	N	4	2004	11.1	UG/L	U
OC081A04F	O	C08	1	1	NICKEL	Y	1	2004	10	UG/L	U
OC082A04F	O	C08	1	1	NICKEL	Y	2	2004	10	UG/L	U
OC083A04F	O	C08	1	1	NICKEL	Y	3	2004	10	UG/L	U
OC084A04F	O	C08	1	1	NICKEL	Y	4	2004	10	UG/L	U

Table 7.20. Raw Data for Nickel. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
OC111A04F	O	C11	2	1	NICKEL	Y	1	2004	10	UG/L	U
OC112A04F	O	C11	2	1	NICKEL	Y	2	2004	10	UG/L	U
OC113A04F	O	C11	2	1	NICKEL	Y	3	2004	10	UG/L	U
OC114A04F	O	C11	2	1	NICKEL	Y	4	2004	10	UG/L	U
OC121A04F	O	C12	3	1	NICKEL	Y	1	2004	10	UG/L	U
OC122A04F	O	C12	3	1	NICKEL	Y	2	2004	10	UG/L	U
OC123A04F	O	C12	3	1	NICKEL	Y	3	2004	10	UG/L	U
OC124A04F	O	C12	3	1	NICKEL	Y	4	2004	10	UG/L	U
OC131A04F	O	C13	4	1	NICKEL	Y	1	2004	10	UG/L	U
OC132A04F	O	C13	4	1	NICKEL	Y	2	2004	10	UG/L	U
OC133A04F	O	C13	4	1	NICKEL	Y	3	2004	10	UG/L	U
OC134A04F	O	C13	4	1	NICKEL	Y	4	2004	10	UG/L	U
OC141A04F	O	C14	5	1	NICKEL	Y	1	2004	10	UG/L	U
OC142A04F	O	C14	5	1	NICKEL	Y	2	2004	10	UG/L	U
OC143A04F	O	C14	5	1	NICKEL	Y	3	2004	10	UG/L	U
OC144A04F	O	C14	5	1	NICKEL	Y	4	2004	10	UG/L	U
OC151A04F	O	C15	6	1	NICKEL	Y	1	2004	10	UG/L	U
FD02100401F	O	C15	6	1	NICKEL	Y	1	2004	10	UG/L	U
OC152A04F	O	C15	6	1	NICKEL	Y	2	2004	10	UG/L	U
FD05170401F	O	C15	6	1	NICKEL	Y	2	2004	10	UG/L	U
OC153A04F	O	C15	6	1	NICKEL	Y	3	2004	10	UG/L	U
FD08170401F	O	C15	6	1	NICKEL	Y	3	2004	10	UG/L	U
OC154A04F	O	C15	6	1	NICKEL	Y	4	2004	10	UG/L	U
FD11160401F	O	C15	6	1	NICKEL	Y	4	2004	10	UG/L	U
OC161A04F	O	C16	7	1	NICKEL	Y	1	2004	10	UG/L	U
FD02110401F	O	C16	7	1	NICKEL	Y	1	2004	10	UG/L	U
OC162A04F	O	C16	7	1	NICKEL	Y	2	2004	10	UG/L	U
FD05030401F	O	C16	7	1	NICKEL	Y	2	2004	10	UG/L	U
OC163A04F	O	C16	7	1	NICKEL	Y	3	2004	10	UG/L	U
OC164A04F	O	C16	7	1	NICKEL	Y	4	2004	10	UG/L	U
FD11230402F	O	C16	7	1	NICKEL	Y	4	2004	10	UG/L	U
OC181A04F	O	C18	8	1	NICKEL	Y	1	2004	10	UG/L	U
OC182A04F	O	C18	8	1	NICKEL	Y	2	2004	10	UG/L	U
OC183A04F	O	C18	8	1	NICKEL	Y	3	2004	10	UG/L	U
OC184A04F	O	C18	8	1	NICKEL	Y	4	2004	10	UG/L	U
OC191A04F	O	C19	9	1	NICKEL	Y	1	2004	10	UG/L	U
OC192A04F	O	C19	9	1	NICKEL	Y	2	2004	10	UG/L	U
OC193A04F	O	C19	9	1	NICKEL	Y	3	2004	10	UG/L	U
FD09010401F	O	C19	9	1	NICKEL	Y	3	2004	10	UG/L	U
OC194A04F	O	C19	9	1	NICKEL	Y	4	2004	10	UG/L	U
OC11P21A04	O	C11P2	1	2	NICKEL	N	1	2004	11.1	UG/L	U
OC11P22A04	O	C11P2	1	2	NICKEL	N	2	2004	11.1	UG/L	U
OC11P23A04	O	C11P2	1	2	NICKEL	N	3	2004	11.1	UG/L	U

Table 7.20. Raw Data for Nickel. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
OC11P24A04	O	C11P2	1	2	NICKEL	N	4	2004	11.1	UG/L	U
OC13P21A04	O	C13P2	2	2	NICKEL	N	1	2004	11.1	UG/L	U
OC13P22A04	O	C13P2	2	2	NICKEL	N	2	2004	11.1	UG/L	U
OC13P23A04	O	C13P2	2	2	NICKEL	N	3	2004	11.1	UG/L	U
OC13P24A04	O	C13P2	2	2	NICKEL	N	4	2004	11.1	UG/L	U
OC14P21A04	O	C14P2	3	2	NICKEL	N	1	2004	11.1	UG/L	U
OC14P22A04	O	C14P2	3	2	NICKEL	N	2	2004	11.1	UG/L	U
OC14P23A04	O	C14P2	3	2	NICKEL	N	3	2004	11.1	UG/L	U
OC14P24A04	O	C14P2	3	2	NICKEL	N	4	2004	11.1	UG/L	U
OC18P21A04	O	C18P2	4	2	NICKEL	N	1	2004	11.1	UG/L	U
OC18P22A04	O	C18P2	4	2	NICKEL	N	2	2004	11.1	UG/L	U
OC18P23A04	O	C18P2	4	2	NICKEL	N	3	2004	11.1	UG/L	U
OC18P24A04	O	C18P2	4	2	NICKEL	N	4	2004	11.1	UG/L	U
OC19P21A04	O	C19P2	5	2	NICKEL	N	1	2004	11.1	UG/L	U
OC19P22A04	O	C19P2	5	2	NICKEL	N	2	2004	11.1	UG/L	U
OC19P23A04	O	C19P2	5	2	NICKEL	N	3	2004	11.1	UG/L	U
OC19P24A04	O	C19P2	5	2	NICKEL	N	4	2004	11.1	UG/L	U
OC11P21A04F	O	C11P2	1	2	NICKEL	Y	1	2004	10	UG/L	U
OC11P22A04F	O	C11P2	1	2	NICKEL	Y	2	2004	10	UG/L	U
OC11P23A04F	O	C11P2	1	2	NICKEL	Y	3	2004	10	UG/L	U
OC11P24A04F	O	C11P2	1	2	NICKEL	Y	4	2004	10	UG/L	U
OC13P21A04F	O	C13P2	2	2	NICKEL	Y	1	2004	10	UG/L	U
OC13P22A04F	O	C13P2	2	2	NICKEL	Y	2	2004	10	UG/L	U
OC13P23A04F	O	C13P2	2	2	NICKEL	Y	3	2004	10	UG/L	U
OC13P24A04F	O	C13P2	2	2	NICKEL	Y	4	2004	10	UG/L	U
OC14P21A04F	O	C14P2	3	2	NICKEL	Y	1	2004	10	UG/L	U
OC14P22A04F	O	C14P2	3	2	NICKEL	Y	2	2004	10	UG/L	U
OC14P23A04F	O	C14P2	3	2	NICKEL	Y	3	2004	10	UG/L	U
OC14P24A04F	O	C14P2	3	2	NICKEL	Y	4	2004	10	UG/L	U
OC18P21A04F	O	C18P2	4	2	NICKEL	Y	1	2004	10	UG/L	U
OC18P22A04F	O	C18P2	4	2	NICKEL	Y	2	2004	10	UG/L	U
OC18P23A04F	O	C18P2	4	2	NICKEL	Y	3	2004	10	UG/L	U
OC18P24A04F	O	C18P2	4	2	NICKEL	Y	4	2004	10	UG/L	U
OC19P21A04F	O	C19P2	5	2	NICKEL	Y	1	2004	10	UG/L	U
OC19P22A04F	O	C19P2	5	2	NICKEL	Y	2	2004	10	UG/L	U
OC19P23A04F	O	C19P2	5	2	NICKEL	Y	3	2004	10	UG/L	U
OC19P24A04F	O	C19P2	5	2	NICKEL	Y	4	2004	10	UG/L	U

Table 7.21. Raw Data for Potassium.

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC02P21A04F	A	C02P2	1	1	POTASSIUM	Y	1	2004	1310	UG/L	
AC02P22A04F	A	C02P2	1	1	POTASSIUM	Y	2	2004	2760	UG/L	
AC02P23A04F	A	C02P2	1	1	POTASSIUM	Y	3	2004	2950	UG/L	
AC02P24A04F	A	C02P2	1	1	POTASSIUM	Y	4	2004	2640	UG/L	NJ
AC031A04F	A	C03	2	1	POTASSIUM	Y	1	2004	1080	UG/L	
AC032A04F	A	C03	2	1	POTASSIUM	Y	2	2004	1030	UG/L	
AC033A04F	A	C03	2	1	POTASSIUM	Y	3	2004	1060	UG/L	
AC034A04F	A	C03	2	1	POTASSIUM	Y	4	2004	1470	UG/L	NJ
AC041A04F	A	C04	3	1	POTASSIUM	Y	1	2004	2810	UG/L	
AC042A04F	A	C04	3	1	POTASSIUM	Y	2	2004	3130	UG/L	
AC043A04F	A	C04	3	1	POTASSIUM	Y	3	2004	3020	UG/L	
AC044A04F	A	C04	3	1	POTASSIUM	Y	4	2004	4040	UG/L	NJ
AC071A04F	A	C07	4	1	POTASSIUM	Y	1	2004	1830	UG/L	
AC072A04F	A	C07	4	1	POTASSIUM	Y	2	2004	2790	UG/L	
AC073A04F	A	C07	4	1	POTASSIUM	Y	3	2004	2060	UG/L	
AC074A04F	A	C07	1	1	POTASSIUM	Y	4	2004	3380	UG/L	NJ
AC08P21A04F	A	C08P2	5	1	POTASSIUM	Y	1	2004	9250	UG/L	
AC08P22A04F	A	C08P2	5	1	POTASSIUM	Y	2	2004	13700	UG/L	
AC08P23A04F	A	C08P2	5	1	POTASSIUM	Y	3	2004	7660	UG/L	
AC08P24A04F	A	C08P2	5	1	POTASSIUM	Y	4	2004	13400	UG/L	NJ
AC09P21A04F	A	C09P2	6	1	POTASSIUM	Y	1	2004	1180	UG/L	
FD03080401F	A	C09P2	6	1	POTASSIUM	Y	1	2004	1210	UG/L	
AC09P22A04F	A	C09P2	6	1	POTASSIUM	Y	2	2004	1170	UG/L	
AC09P23A04F	A	C09P2	6	1	POTASSIUM	Y	3	2004	1220	UG/L	
AC09P24A04F	A	C09P2	6	1	POTASSIUM	Y	4	2004	1900	UG/L	NJ
FD12290402F	A	C09P2	6	1	POTASSIUM	Y	4	2004	1790	UG/L	NJ
AC151A04F	A	C15	7	1	POTASSIUM	Y	1	2004	1430	UG/L	
AC152A04F	A	C15	7	1	POTASSIUM	Y	2	2004	1380	UG/L	
FD06210401F	A	C15	7	1	POTASSIUM	Y	2	2004	1390	UG/L	
AC153A04F	A	C15	7	1	POTASSIUM	Y	3	2004	1470	UG/L	
FD09200402F	A	C15	7	1	POTASSIUM	Y	3	2004	1450	UG/L	
AC154A04F	A	C15	7	1	POTASSIUM	Y	4	2004	1950	UG/L	NJ
FD12160401F	A	C15	7	1	POTASSIUM	Y	4	2004	2030	UG/L	NJ
AC171A04F	A	C17	8	1	POTASSIUM	Y	1	2004	3520	UG/L	
AC172A04F	A	C17	8	1	POTASSIUM	Y	2	2004	3220	UG/L	
AC173A04F	A	C17	8	1	POTASSIUM	Y	3	2004	3120	UG/L	
FD09200401F	A	C17	8	1	POTASSIUM	Y	3	2004	3070	UG/L	
AC201A04F	A	C20	9	1	POTASSIUM	Y	1	2004	2100	UG/L	
AC202B04F	A	C20	9	1	POTASSIUM	Y	2	2004	2210	UG/L	
AC203A04F	A	C20	9	1	POTASSIUM	Y	3	2004	2450	UG/L	
AC204A04F	A	C20	9	1	POTASSIUM	Y	4	2004	3340	UG/L	NJ
AC251A04F	A	C25	10	1	POTASSIUM	Y	1	2004	2510	UG/L	
AC252A04F	A	C25	10	1	POTASSIUM	Y	2	2004	2620	UG/L	

Table 7.21. Raw Data for Potassium. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC253A04F	A	C25	10	1	POTASSIUM	Y	3	2004	2610	UG/L	
AC254A04F	A	C25	10	1	POTASSIUM	Y	4	2004	4820	UG/L	NJ
AC261A04F	A	C26	11	1	POTASSIUM	Y	1	2004	2110	UG/L	
AC262A04F	A	C26	11	1	POTASSIUM	Y	2	2004	2020	UG/L	
AC263A04F	A	C26	11	1	POTASSIUM	Y	3	2004	2990	UG/L	
AC264A04F	A	C26	11	1	POTASSIUM	Y	4	2004	2920	UG/L	NJ
AC271A04F	A	C27	12	1	POTASSIUM	Y	1	2004	1100	UG/L	
AC272A04F	A	C27	12	1	POTASSIUM	Y	2	2004	1050	UG/L	
AC273A04F	A	C27	12	1	POTASSIUM	Y	3	2004	1260	UG/L	
AC301A04F	A	C30	13	1	POTASSIUM	Y	1	2004	2340	UG/L	
AC302A04F	A	C30	13	1	POTASSIUM	Y	2	2004	3050	UG/L	
AC303A04F	A	C30	13	1	POTASSIUM	Y	3	2004	2790	UG/L	
AC304A04F	A	C30	13	1	POTASSIUM	Y	4	2004	3770	UG/L	NJ
ASPA1A04F	A	SPA	14	1	POTASSIUM	Y	1	2004	1270	UG/L	
ASPA2A04F	A	SPA	14	1	POTASSIUM	Y	2	2004	2400	UG/L	
ASPA3A04F	A	SPA	14	1	POTASSIUM	Y	3	2004	2730	UG/L	
ASPA4A04F	A	SPA	14	1	POTASSIUM	Y	4	2004	2460	UG/L	NJ
ASPC1A04F	A	SPC	15	1	POTASSIUM	Y	1	2004	909	UG/L	
FD03030401F	A	SPC	15	1	POTASSIUM	Y	1	2004	908	UG/L	
ASPC2A04F	A	SPC	15	1	POTASSIUM	Y	2	2004	1190	UG/L	
FD06290401F	A	SPC	15	1	POTASSIUM	Y	2	2004	1210	UG/L	
ASPC3A04F	A	SPC	15	1	POTASSIUM	Y	3	2004	1300	UG/L	
ASPC4A04F	A	SPC	15	1	POTASSIUM	Y	4	2004	1560	UG/L	NJ

Table 7.22. Raw Data for Selenium.

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC02P21A04	A	C02P2	1	1	SELENIUM	N	1	2004	1.1	UG/L	UJ
AC02P22A04	A	C02P2	1	1	SELENIUM	N	2	2004	1.1	UG/L	U
AC02P23A04	A	C02P2	1	1	SELENIUM	N	3	2004	2.4	UG/L	
AC02P24A04	A	C02P2	1	1	SELENIUM	N	4	2004	1.2	UG/L	J
AC031A04	A	C03	2	1	SELENIUM	N	1	2004	1.1	UG/L	UJ
AC032A04	A	C03	2	1	SELENIUM	N	2	2004	1.1	UG/L	U
AC033A04	A	C03	2	1	SELENIUM	N	3	2004	1.1	UG/L	U
AC034A04	A	C03	2	1	SELENIUM	N	4	2004	1.1	UG/L	U
AC041A04	A	C04	3	1	SELENIUM	N	1	2004	2	UG/L	J
AC042A04	A	C04	3	1	SELENIUM	N	2	2004	1.1	UG/L	U
AC043A04	A	C04	3	1	SELENIUM	N	3	2004	2.9	UG/L	
AC044A04	A	C04	3	1	SELENIUM	N	4	2004	2.5	UG/L	J
AC071A04	A	C07	4	1	SELENIUM	N	1	2004	2	UG/L	J
AC072A04	A	C07	4	1	SELENIUM	N	2	2004	1.1	UG/L	
AC073A04	A	C07	4	1	SELENIUM	N	3	2004	2.7	UG/L	
AC074A04	A	C07	4	1	SELENIUM	N	4	2004	3.1	UG/L	J

Table 7.22. Raw Data for Selenium. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC08P21A04	A	C08P2	5	1	SELENIUM	N	1	2004	2	UG/L	J
AC08P22A04	A	C08P2	5	1	SELENIUM	N	2	2004	1.1	UG/L	U
AC08P23A04	A	C08P2	5	1	SELENIUM	N	3	2004	2	UG/L	
AC08P24A04	A	C08P2	5	1	SELENIUM	N	4	2004	3.1	UG/L	J
AC09P21A04	A	C09P2	6	1	SELENIUM	N	1	2004	1.8	UG/L	J
FD03080401	A	C09P2	6	1	SELENIUM	N	1	2004	2.2	UG/L	J
AC09P22A04	A	C09P2	6	1	SELENIUM	N	2	2004	1.1	UG/L	U
AC09P23A04	A	C09P2	6	1	SELENIUM	N	3	2004	1.8	UG/L	
AC09P24A04	A	C09P2	6	1	SELENIUM	N	4	2004	2.8	UG/L	J
FD12290402	A	C09P2	6	1	SELENIUM	N	4	2004	3	UG/L	J
AC151A04	A	C15	7	1	SELENIUM	N	1	2004	2.2	UG/L	J
AC152A04	A	C15	7	1	SELENIUM	N	2	2004	1.1	UG/L	U
FD06210401	A	C15	7	1	SELENIUM	N	2	2004	1.1	UG/L	U
AC153A04	A	C15	7	1	SELENIUM	N	3	2004	2.1	UG/L	
FD09200402	A	C15	7	1	SELENIUM	N	3	2004	1.9	UG/L	
AC154A04	A	C15	7	1	SELENIUM	N	4	2004	2.4	UG/L	J
FD12160401	A	C15	7	1	SELENIUM	N	4	2004	2	UG/L	J
AC171A04	A	C17	8	1	SELENIUM	N	1	2004	1.8	UG/L	J
AC172A04	A	C17	8	1	SELENIUM	N	2	2004	1.1	UG/L	
AC173A04	A	C17	8	1	SELENIUM	N	3	2004	2.3	UG/L	
FD09200401	A	C17	8	1	SELENIUM	N	3	2004	2.3	UG/L	
AC201A04	A	C20	9	1	SELENIUM	N	1	2004	1.2	UG/L	J
AC202B04	A	C20	9	1	SELENIUM	N	2	2004	1.1	UG/L	U
AC203A04	A	C20	9	1	SELENIUM	N	3	2004	1.1	UG/L	U
AC204A04	A	C20	9	1	SELENIUM	N	4	2004	1.7	UG/L	J
AC251A04	A	C25	10	1	SELENIUM	N	1	2004	1.1	UG/L	UJ
AC252A04	A	C25	10	1	SELENIUM	N	2	2004	1.1	UG/L	U
AC253A04	A	C25	10	1	SELENIUM	N	3	2004	1.1	UG/L	U
AC254A04	A	C25	10	1	SELENIUM	N	4	2004	1.1	UG/L	U
AC261A04	A	C26	11	1	SELENIUM	N	1	2004	1.1	UG/L	UJ
AC262A04	A	C26	11	1	SELENIUM	N	2	2004	1.1	UG/L	U
AC263A04	A	C26	11	1	SELENIUM	N	3	2004	2	UG/L	
AC264A04	A	C26	11	1	SELENIUM	N	4	2004	1.5	UG/L	J
AC271A04	A	C27	12	1	SELENIUM	N	1	2004	1.1	UG/L	UJ
AC272A04	A	C27	12	1	SELENIUM	N	2	2004	1.1	UG/L	U
AC273A04	A	C27	12	1	SELENIUM	N	3	2004	1.1	UG/L	U
AC301A04	A	C30	13	1	SELENIUM	N	1	2004	1.1	UG/L	UJ
AC302A04	A	C30	13	1	SELENIUM	N	2	2004	1.1	UG/L	U
AC303A04	A	C30	13	1	SELENIUM	N	3	2004	1.1	UG/L	U
AC304A04	A	C30	13	1	SELENIUM	N	4	2004	1.1	UG/L	U
ASPA1A04	A	SPA	14	1	SELENIUM	N	1	2004	1.1	UG/L	UJ
ASPA2A04	A	SPA	14	1	SELENIUM	N	2	2004	1.1	UG/L	U
ASPA3A04	A	SPA	14	1	SELENIUM	N	3	2004	1.2	UG/L	

Table 7.22. Raw Data for Selenium. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
ASPA4A04	A	SPA	14	1	SELENIUM	N	4	2004	1.1	UG/L	U
ASPC1A04	A	SPC	15	1	SELENIUM	N	1	2004	1.1	UG/L	UJ
FD03030401	A	SPC	15	1	SELENIUM	N	1	2004	1.1	UG/L	UJ
ASPC2A04	A	SPC	15	1	SELENIUM	N	2	2004	1.1	UG/L	U
FD06290401	A	SPC	15	1	SELENIUM	N	2	2004	1.1	UG/L	U
ASPC3A04	A	SPC	15	1	SELENIUM	N	3	2004	1.1	UG/L	U
ASPC4A04	A	SPC	15	1	SELENIUM	N	4	2004	1.1	UG/L	U
AC02P21A04F	A	C02P2	1	1	SELENIUM	Y	1	2004	1	UG/L	UN
AC02P22A04F	A	C02P2	1	1	SELENIUM	Y	2	2004	1	UG/L	U
AC02P23A04F	A	C02P2	1	1	SELENIUM	Y	3	2004	1	UG/L	U
AC02P24A04F	A	C02P2	1	1	SELENIUM	Y	4	2004	1	UG/L	UN
AC031A04F	A	C03	2	1	SELENIUM	Y	1	2004	1	UG/L	UN
AC032A04F	A	C03	2	1	SELENIUM	Y	2	2004	1	UG/L	U
AC033A04F	A	C03	2	1	SELENIUM	Y	3	2004	1	UG/L	U
AC034A04F	A	C03	2	1	SELENIUM	Y	4	2004	1	UG/L	UN
AC041A04F	A	C04	3	1	SELENIUM	Y	1	2004	1.8	UG/L	N
AC042A04F	A	C04	3	1	SELENIUM	Y	2	2004	1.2	UG/L	
AC043A04F	A	C04	3	1	SELENIUM	Y	3	2004	1.4	UG/L	
AC044A04F	A	C04	3	1	SELENIUM	Y	4	2004	2.8	UG/L	NJ
AC071A04F	A	C07	4	1	SELENIUM	Y	1	2004	1.3	UG/L	N
AC072A04F	A	C07	4	1	SELENIUM	Y	2	2004	1	UG/L	
AC073A04F	A	C07	4	1	SELENIUM	Y	3	2004	1.3	UG/L	
AC074A04F	A	C07	1	1	SELENIUM	Y	4	2004	3.3	UG/L	NJ
AC08P21A04F	A	C08P2	5	1	SELENIUM	Y	1	2004	1	UG/L	UN
AC08P22A04F	A	C08P2	5	1	SELENIUM	Y	2	2004	1	UG/L	U
AC08P23A04F	A	C08P2	5	1	SELENIUM	Y	3	2004	1	UG/L	U
AC08P24A04F	A	C08P2	5	1	SELENIUM	Y	4	2004	1.8	UG/L	NJ
AC09P21A04F	A	C09P2	6	1	SELENIUM	Y	1	2004	1	UG/L	UN
FD03080401F	A	C09P2	6	1	SELENIUM	Y	1	2004	1	UG/L	UN
AC09P22A04F	A	C09P2	6	1	SELENIUM	Y	2	2004	1	UG/L	U
AC09P23A04F	A	C09P2	6	1	SELENIUM	Y	3	2004	1	UG/L	U
AC09P24A04F	A	C09P2	6	1	SELENIUM	Y	4	2004	1.8	UG/L	NJ
FD12290402F	A	C09P2	6	1	SELENIUM	Y	4	2004	1.7	UG/L	NJ
AC151A04F	A	C15	7	1	SELENIUM	Y	1	2004	1	UG/L	UN
AC152A04F	A	C15	7	1	SELENIUM	Y	2	2004	1	UG/L	U
FD06210401F	A	C15	7	1	SELENIUM	Y	2	2004	1	UG/L	U
AC153A04F	A	C15	7	1	SELENIUM	Y	3	2004	1	UG/L	U
FD09200402F	A	C15	7	1	SELENIUM	Y	3	2004	1	UG/L	U
AC154A04F	A	C15	7	1	SELENIUM	Y	4	2004	1.4	UG/L	NJ
FD12160401F	A	C15	7	1	SELENIUM	Y	4	2004	1.3	UG/L	NJ
AC171A04F	A	C17	8	1	SELENIUM	Y	1	2004	1	UG/L	UN
AC172A04F	A	C17	8	1	SELENIUM	Y	2	2004	1	UG/L	U
AC173A04F	A	C17	8	1	SELENIUM	Y	3	2004	1	UG/L	U

Table 7.22. Raw Data for Selenium. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
FD09200401F	A	C17	8	1	SELENIUM	Y	3	2004	1	UG/L	
AC201A04F	A	C20	9	1	SELENIUM	Y	1	2004	1	UG/L	UN
AC202B04F	A	C20	9	1	SELENIUM	Y	2	2004	1	UG/L	U
AC203A04F	A	C20	9	1	SELENIUM	Y	3	2004	1	UG/L	U
AC204A04F	A	C20	9	1	SELENIUM	Y	4	2004	1	UG/L	UN
AC251A04F	A	C25	10	1	SELENIUM	Y	1	2004	1	UG/L	UN
AC252A04F	A	C25	10	1	SELENIUM	Y	2	2004	1	UG/L	U
AC253A04F	A	C25	10	1	SELENIUM	Y	3	2004	1	UG/L	U
AC254A04F	A	C25	10	1	SELENIUM	Y	4	2004	1	UG/L	UN
AC261A04F	A	C26	11	1	SELENIUM	Y	1	2004	1	UG/L	UN
AC262A04F	A	C26	11	1	SELENIUM	Y	2	2004	1	UG/L	U
AC263A04F	A	C26	11	1	SELENIUM	Y	3	2004	1	UG/L	U
AC264A04F	A	C26	11	1	SELENIUM	Y	4	2004	1.2	UG/L	NJ
AC271A04F	A	C27	12	1	SELENIUM	Y	1	2004	1	UG/L	UN
AC272A04F	A	C27	12	1	SELENIUM	Y	2	2004	1	UG/L	U
AC273A04F	A	C27	12	1	SELENIUM	Y	3	2004	1	UG/L	U
AC301A04F	A	C30	13	1	SELENIUM	Y	1	2004	1	UG/L	UN
AC302A04F	A	C30	13	1	SELENIUM	Y	2	2004	1	UG/L	U
AC303A04F	A	C30	13	1	SELENIUM	Y	3	2004	1	UG/L	U
AC304A04F	A	C30	13	1	SELENIUM	Y	4	2004	1	UG/L	UN
ASPA1A04F	A	SPA	14	1	SELENIUM	Y	1	2004	1	UG/L	UN
ASPA2A04F	A	SPA	14	1	SELENIUM	Y	2	2004	1	UG/L	U
ASPA3A04F	A	SPA	14	1	SELENIUM	Y	3	2004	1	UG/L	U
ASPA4A04F	A	SPA	14	1	SELENIUM	Y	4	2004	1	UG/L	UN
ASPC1A04F	A	SPC	15	1	SELENIUM	Y	1	2004	1	UG/L	UN
FD03030401F	A	SPC	15	1	SELENIUM	Y	1	2004	1	UG/L	UN
ASPC2A04F	A	SPC	15	1	SELENIUM	Y	2	2004	1	UG/L	U
FD06290401F	A	SPC	15	1	SELENIUM	Y	2	2004	1	UG/L	U
ASPC3A04F	A	SPC	15	1	SELENIUM	Y	3	2004	1	UG/L	U
ASPC4A04F	A	SPC	15	1	SELENIUM	Y	4	2004	1	UG/L	UN
DC021A04	D	C02	1	1	SELENIUM	N	1	2004	1.1	UG/L	U
DC023A04	D	C02	1	1	SELENIUM	N	3	2004	1.1	UG/L	U
DC031A04	D	C03	2	1	SELENIUM	N	1	2004	1.1	UG/L	U
DC033A04	D	C03	2	1	SELENIUM	N	3	2004	1.3	UG/L	
FD07210401	D	C03	2	1	SELENIUM	N	3	2004	1.3	UG/L	
DC041A04	D	C04	3	1	SELENIUM	N	1	2004	1.1	UG/L	U
FD01140401	D	C04	3	1	SELENIUM	N	1	2004	1.1	UG/L	U
DC043A04	D	C04	3	1	SELENIUM	N	3	2004	1.4	UG/L	
FD07150401	D	C04	3	1	SELENIUM	N	3	2004	1.4	UG/L	
DC051A04	D	C05	4	1	SELENIUM	N	1	2004	1.1	UG/L	U
DC053A04	D	C05	4	1	SELENIUM	N	3	2004	1.1	UG/L	U
DC061A04	D	C06	5	1	SELENIUM	N	1	2004	1.1	UG/L	U
FD01080401	D	C06	5	1	SELENIUM	N	1	2004	1.1	UG/L	U

Table 7.22. Raw Data for Selenium. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
DC063A04	D	C06	5	1	SELENIUM	N	3	2004	1.1	UG/L	U
DC071A04	D	C07	6	1	SELENIUM	N	1	2004	1.1	UG/L	U
DC073A04	D	C07	6	1	SELENIUM	N	3	2004	1.1	UG/L	U
DC081A04	D	C08	7	1	SELENIUM	N	1	2004	1.1	UG/L	U
DC083A04	D	C08	7	1	SELENIUM	N	3	2004	1.1	UG/L	U
DC021A04F	D	C02	1	1	SELENIUM	Y	1	2004	1	UG/L	UN
DC023A04F	D	C02	1	1	SELENIUM	Y	3	2004	1	UG/L	U
DC031A04F	D	C03	2	1	SELENIUM	Y	1	2004	1	UG/L	UNJ
DC033A04F	D	C03	2	1	SELENIUM	Y	3	2004	1	UG/L	U
FD07210401F	D	C03	2	1	SELENIUM	Y	3	2004	1	UG/L	U
DC041A04F	D	C04	3	1	SELENIUM	Y	1	2004	1	UG/L	UN
FD01140401F	D	C04	3	1	SELENIUM	Y	1	2004	1	UG/L	UN
DC043A04F	D	C04	3	1	SELENIUM	Y	3	2004	1	UG/L	U
FD07150401F	D	C04	3	1	SELENIUM	Y	3	2004	1	UG/L	U
DC051A04F	D	C05	4	1	SELENIUM	Y	1	2004	1	UG/L	UN
DC053A04F	D	C05	4	1	SELENIUM	Y	3	2004	1	UG/L	U
DC061A04F	D	C06	5	1	SELENIUM	Y	1	2004	1	UG/L	UN
FD01080401F	D	C06	5	1	SELENIUM	Y	1	2004	1	UG/L	UN
DC063A04F	D	C06	5	1	SELENIUM	Y	3	2004	1	UG/L	U
DC071A04F	D	C07	6	1	SELENIUM	Y	1	2004	1	UG/L	UN
DC073A04F	D	C07	6	1	SELENIUM	Y	3	2004	1	UG/L	U
DC081A04F	D	C08	7	1	SELENIUM	Y	1	2004	1	UG/L	UN
DC083A04F	D	C08	7	1	SELENIUM	Y	3	2004	1	UG/L	U
DC03P21A04	D	C03P2	1	2	SELENIUM	N	1	2004	1.1	UG/L	U
DC03P23A04	D	C03P2	1	2	SELENIUM	N	3	2004	1.9	UG/L	
DC04P21A04	D	C04P2	2	2	SELENIUM	N	1	2004	1.1	UG/L	U
DC04P23A04	D	C04P2	2	2	SELENIUM	N	3	2004	2	UG/L	
DC06P21A04	D	C06P2	3	2	SELENIUM	N	1	2004	1.1	UG/L	U
DC06P23A04	D	C06P2	3	2	SELENIUM	N	3	2004	1.1	UG/L	U
DC08P21A04	D	C08P2	4	2	SELENIUM	N	1	2004	1.1	UG/L	U
DC08P23A04	D	C08P2	4	2	SELENIUM	N	3	2004	1.1	UG/L	U
DC03P21A04F	D	C03P2	1	2	SELENIUM	Y	1	2004	1	UG/L	UN
DC03P23A04F	D	C03P2	1	2	SELENIUM	Y	3	2004	1	UG/L	U
DC04P21A04F	D	C04P2	2	2	SELENIUM	Y	1	2004	1	UG/L	UN
DC04P23A04F	D	C04P2	2	2	SELENIUM	Y	3	2004	1	UG/L	U
DC06P21A04F	D	C06P2	3	2	SELENIUM	Y	1	2004	1	UG/L	UN
DC06P23A04F	D	C06P2	3	2	SELENIUM	Y	3	2004	1	UG/L	U
DC08P21A04F	D	C08P2	4	2	SELENIUM	Y	1	2004	1	UG/L	UN
DC08P23A04F	D	C08P2	4	2	SELENIUM	Y	3	2004	1	UG/L	U
OC081A04	O	C08	1	1	SELENIUM	N	1	2004	1.1	UG/L	U
OC082A04	O	C08	1	1	SELENIUM	N	2	2004	1.1	UG/L	U
OC083A04	O	C08	1	1	SELENIUM	N	3	2004	1.1	UG/L	U
OC084A04	O	C08	1	1	SELENIUM	N	4	2004	1.1	UG/L	U

Table 7.22. Raw Data for Selenium. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
OC111A04	O	C11	2	1	SELENIUM	N	1	2004	1.1	UG/L	U
OC112A04	O	C11	2	1	SELENIUM	N	2	2004	1.1	UG/L	U
OC113A04	O	C11	2	1	SELENIUM	N	3	2004	1.1	UG/L	U
OC114A04	O	C11	2	1	SELENIUM	N	4	2004	1.1	UG/L	U
OC121A04	O	C12	3	1	SELENIUM	N	1	2004	1.1	UG/L	U
OC122A04	O	C12	3	1	SELENIUM	N	2	2004	1.1	UG/L	U
OC123A04	O	C12	3	1	SELENIUM	N	3	2004	1.1	UG/L	U
OC124A04	O	C12	3	1	SELENIUM	N	4	2004	1.1	UG/L	U
OC131A04	O	C13	4	1	SELENIUM	N	1	2004	1.1	UG/L	U
OC132A04	O	C13	4	1	SELENIUM	N	2	2004	3	UG/L	
OC133A04	O	C13	4	1	SELENIUM	N	3	2004	1.3	UG/L	
OC134A04	O	C13	4	1	SELENIUM	N	4	2004	1.1	UG/L	U
OC141A04	O	C14	5	1	SELENIUM	N	1	2004	1.1	UG/L	U
OC142A04	O	C14	5	1	SELENIUM	N	2	2004	1.6	UG/L	
OC143A04	O	C14	5	1	SELENIUM	N	3	2004	1.1	UG/L	U
OC144A04	O	C14	5	1	SELENIUM	N	4	2004	1.1	UG/L	U
OC151A04	O	C15	6	1	SELENIUM	N	1	2004	1.1	UG/L	U
FD02100401	O	C15	6	1	SELENIUM	N	1	2004	1.1	UG/L	U
OC152A04	O	C15	6	1	SELENIUM	N	2	2004	1.1	UG/L	
FD05170401	O	C15	6	1	SELENIUM	N	2	2004	1.1	UG/L	U
OC153A04	O	C15	6	1	SELENIUM	N	3	2004	1.1	UG/L	U
FD08170401	O	C15	6	1	SELENIUM	N	3	2004	1.1	UG/L	U
OC154A04	O	C15	6	1	SELENIUM	N	4	2004	1.1	UG/L	U
FD11160401	O	C15	6	1	SELENIUM	N	4	2004	1.1	UG/L	U
OC161A04	O	C16	7	1	SELENIUM	N	1	2004	1.1	UG/L	U
FD02110401	O	C16	7	1	SELENIUM	N	1	2004	1.1	UG/L	U
OC162A04	O	C16	7	1	SELENIUM	N	2	2004	1.1	UG/L	U
FD05030401	O	C16	7	1	SELENIUM	N	2	2004	1.1	UG/L	U
OC163A04	O	C16	7	1	SELENIUM	N	3	2004	1.1	UG/L	U
OC164A04	O	C16	7	1	SELENIUM	N	4	2004	1.1	UG/L	U
FD11230402	O	C16	7	1	SELENIUM	N	4	2004	1.1	UG/L	U
OC181A04	O	C18	8	1	SELENIUM	N	1	2004	1.1	UG/L	U
OC182A04	O	C18	8	1	SELENIUM	N	2	2004	1.1	UG/L	U
OC183A04	O	C18	8	1	SELENIUM	N	3	2004	1.1	UG/L	U
OC184A04	O	C18	8	1	SELENIUM	N	4	2004	1.1	UG/L	U
OC191A04	O	C19	9	1	SELENIUM	N	1	2004	1.1	UG/L	U
OC192A04	O	C19	9	1	SELENIUM	N	2	2004	1.1	UG/L	U
OC193A04	O	C19	9	1	SELENIUM	N	3	2004	1.1	UG/L	U
FD09010401	O	C19	9	1	SELENIUM	N	3	2004	1.1	UG/L	U
OC194A04	O	C19	9	1	SELENIUM	N	4	2004	1.1	UG/L	U
OC081A04F	O	C08	1	1	SELENIUM	Y	1	2004	1	UG/L	U
OC082A04F	O	C08	1	1	SELENIUM	Y	2	2004	1	UG/L	U
OC083A04F	O	C08	1	1	SELENIUM	Y	3	2004	1	UG/L	U

Table 7.22. Raw Data for Selenium. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
OC084A04F	O	C08	1	1	SELENIUM	Y	4	2004	1	UG/L	UN
OC111A04F	O	C11	2	1	SELENIUM	Y	1	2004	1	UG/L	U
OC112A04F	O	C11	2	1	SELENIUM	Y	2	2004	1	UG/L	U
OC113A04F	O	C11	2	1	SELENIUM	Y	3	2004	1	UG/L	U
OC114A04F	O	C11	2	1	SELENIUM	Y	4	2004	1	UG/L	UN
OC121A04F	O	C12	3	1	SELENIUM	Y	1	2004	1	UG/L	U
OC122A04F	O	C12	3	1	SELENIUM	Y	2	2004	1	UG/L	U
OC123A04F	O	C12	3	1	SELENIUM	Y	3	2004	1	UG/L	U
OC124A04F	O	C12	3	1	SELENIUM	Y	4	2004	1	UG/L	UN
OC131A04F	O	C13	4	1	SELENIUM	Y	1	2004	1	UG/L	U
OC132A04F	O	C13	4	1	SELENIUM	Y	2	2004	1	UG/L	U
OC133A04F	O	C13	4	1	SELENIUM	Y	3	2004	1	UG/L	U
OC134A04F	O	C13	4	1	SELENIUM	Y	4	2004	1	UG/L	UN
OC141A04F	O	C14	5	1	SELENIUM	Y	1	2004	1	UG/L	U
OC142A04F	O	C14	5	1	SELENIUM	Y	2	2004	1	UG/L	U
OC143A04F	O	C14	5	1	SELENIUM	Y	3	2004	1	UG/L	U
OC144A04F	O	C14	5	1	SELENIUM	Y	4	2004	1	UG/L	UN
OC151A04F	O	C15	6	1	SELENIUM	Y	1	2004	1	UG/L	U
FD02100401F	O	C15	6	1	SELENIUM	Y	1	2004	1	UG/L	U
OC152A04F	O	C15	6	1	SELENIUM	Y	2	2004	1	UG/L	U
FD05170401F	O	C15	6	1	SELENIUM	Y	2	2004	1	UG/L	U
OC153A04F	O	C15	6	1	SELENIUM	Y	3	2004	1	UG/L	U
FD08170401F	O	C15	6	1	SELENIUM	Y	3	2004	1	UG/L	U
OC154A04F	O	C15	6	1	SELENIUM	Y	4	2004	1	UG/L	UN
FD11160401F	O	C15	6	1	SELENIUM	Y	4	2004	1	UG/L	UN
OC161A04F	O	C16	7	1	SELENIUM	Y	1	2004	1	UG/L	U
FD02110401F	O	C16	7	1	SELENIUM	Y	1	2004	1	UG/L	U
OC162A04F	O	C16	7	1	SELENIUM	Y	2	2004	1	UG/L	U
FD05030401F	O	C16	7	1	SELENIUM	Y	2	2004	1	UG/L	U
OC163A04F	O	C16	7	1	SELENIUM	Y	3	2004	1	UG/L	U
OC164A04F	O	C16	7	1	SELENIUM	Y	4	2004	1	UG/L	UN
FD11230402F	O	C16	7	1	SELENIUM	Y	4	2004	1	UG/L	UN
OC181A04F	O	C18	8	1	SELENIUM	Y	1	2004	1	UG/L	U
OC182A04F	O	C18	8	1	SELENIUM	Y	2	2004	1	UG/L	U
OC183A04F	O	C18	8	1	SELENIUM	Y	3	2004	1	UG/L	U
OC184A04F	O	C18	8	1	SELENIUM	Y	4	2004	1	UG/L	UN
OC191A04F	O	C19	9	1	SELENIUM	Y	1	2004	1	UG/L	U
OC192A04F	O	C19	9	1	SELENIUM	Y	2	2004	1	UG/L	U
OC193A04F	O	C19	9	1	SELENIUM	Y	3	2004	1	UG/L	U
FD09010401F	O	C19	9	1	SELENIUM	Y	3	2004	1	UG/L	U
OC194A04F	O	C19	9	1	SELENIUM	Y	4	2004	1	UG/L	UN
OC11P21A04	O	C11P2	1	2	SELENIUM	N	1	2004	1.1	UG/L	U
OC11P22A04	O	C11P2	1	2	SELENIUM	N	2	2004	1.1	UG/L	U

Table 7.22. Raw Data for Selenium. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
OC11P23A04	O	C11P2	1	2	SELENIUM	N	3	2004	1.1	UG/L	U
OC11P24A04	O	C11P2	1	2	SELENIUM	N	4	2004	1.1	UG/L	U
OC13P21A04	O	C13P2	2	2	SELENIUM	N	1	2004	1.1	UG/L	U
OC13P22A04	O	C13P2	2	2	SELENIUM	N	2	2004	2	UG/L	
OC13P23A04	O	C13P2	2	2	SELENIUM	N	3	2004	1.1	UG/L	U
OC13P24A04	O	C13P2	2	2	SELENIUM	N	4	2004	1.1	UG/L	U
OC14P21A04	O	C14P2	3	2	SELENIUM	N	1	2004	1.1	UG/L	U
OC14P22A04	O	C14P2	3	2	SELENIUM	N	2	2004	1.1	UG/L	U
OC14P23A04	O	C14P2	3	2	SELENIUM	N	3	2004	1.1	UG/L	U
OC14P24A04	O	C14P2	3	2	SELENIUM	N	4	2004	1.1	UG/L	U
OC18P21A04	O	C18P2	4	2	SELENIUM	N	1	2004	1.1	UG/L	U
OC18P22A04	O	C18P2	4	2	SELENIUM	N	2	2004	3.3	UG/L	
OC18P23A04	O	C18P2	4	2	SELENIUM	N	3	2004	1.3	UG/L	
OC18P24A04	O	C18P2	4	2	SELENIUM	N	4	2004	1.1	UG/L	U
OC19P21A04	O	C19P2	5	2	SELENIUM	N	1	2004	1.1	UG/L	U
OC19P22A04	O	C19P2	5	2	SELENIUM	N	2	2004	1.1	UG/L	U
OC19P23A04	O	C19P2	5	2	SELENIUM	N	3	2004	1.1	UG/L	U
OC19P24A04	O	C19P2	5	2	SELENIUM	N	4	2004	1.1	UG/L	U
OC11P21A04F	O	C11P2	1	2	SELENIUM	Y	1	2004	1	UG/L	U
OC11P22A04F	O	C11P2	1	2	SELENIUM	Y	2	2004	1	UG/L	U
OC11P23A04F	O	C11P2	1	2	SELENIUM	Y	3	2004	1	UG/L	U
OC11P24A04F	O	C11P2	1	2	SELENIUM	Y	4	2004	1	UG/L	UN
OC13P21A04F	O	C13P2	2	2	SELENIUM	Y	1	2004	1	UG/L	U
OC13P22A04F	O	C13P2	2	2	SELENIUM	Y	2	2004	1	UG/L	U
OC13P23A04F	O	C13P2	2	2	SELENIUM	Y	3	2004	1	UG/L	U
OC13P24A04F	O	C13P2	2	2	SELENIUM	Y	4	2004	1	UG/L	UN
OC14P21A04F	O	C14P2	3	2	SELENIUM	Y	1	2004	1	UG/L	U
OC14P22A04F	O	C14P2	3	2	SELENIUM	Y	2	2004	1	UG/L	U
OC14P23A04F	O	C14P2	3	2	SELENIUM	Y	3	2004	1	UG/L	U
OC14P24A04F	O	C14P2	3	2	SELENIUM	Y	4	2004	1	UG/L	UN
OC18P21A04F	O	C18P2	4	2	SELENIUM	Y	1	2004	1	UG/L	U
OC18P22A04F	O	C18P2	4	2	SELENIUM	Y	2	2004	1	UG/L	U
OC18P23A04F	O	C18P2	4	2	SELENIUM	Y	3	2004	1	UG/L	U
OC18P24A04F	O	C18P2	4	2	SELENIUM	Y	4	2004	1	UG/L	UN
OC19P21A04F	O	C19P2	5	2	SELENIUM	Y	1	2004	1	UG/L	U
OC19P22A04F	O	C19P2	5	2	SELENIUM	Y	2	2004	1	UG/L	U
OC19P23A04F	O	C19P2	5	2	SELENIUM	Y	3	2004	1	UG/L	U
OC19P24A04F	O	C19P2	5	2	SELENIUM	Y	4	2004	1	UG/L	UN

Table 7.23. Raw Data for Sodium.

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC02P21A04F	A	C02P2	1	1	SODIUM	Y	1	2004	14900	UG/L	
AC02P22A04F	A	C02P2	1	1	SODIUM	Y	2	2004	40800	UG/L	
AC02P23A04F	A	C02P2	1	1	SODIUM	Y	3	2004	43300	UG/L	
AC02P24A04F	A	C02P2	1	1	SODIUM	Y	4	2004	23300	UG/L	NJ
AC031A04F	A	C03	2	1	SODIUM	Y	1	2004	267000	UG/L	
AC032A04F	A	C03	2	1	SODIUM	Y	2	2004	244000	UG/L	
AC033A04F	A	C03	2	1	SODIUM	Y	3	2004	293000	UG/L	
AC034A04F	A	C03	2	1	SODIUM	Y	4	2004	209000	UG/L	NJ
AC041A04F	A	C04	3	1	SODIUM	Y	1	2004	61200	UG/L	
AC042A04F	A	C04	3	1	SODIUM	Y	2	2004	53600	UG/L	
AC043A04F	A	C04	3	1	SODIUM	Y	3	2004	62800	UG/L	J
AC044A04F	A	C04	3	1	SODIUM	Y	4	2004	53100	UG/L	NJ
AC071A04F	A	C07	4	1	SODIUM	Y	1	2004	26100	UG/L	
AC072A04F	A	C07	4	1	SODIUM	Y	2	2004	26000	UG/L	
AC073A04F	A	C07	4	1	SODIUM	Y	3	2004	24700	UG/L	J
AC074A04F	A	C07	1	1	SODIUM	Y	4	2004	27700	UG/L	NJ
AC08P21A04F	A	C08P2	5	1	SODIUM	Y	1	2004	14800	UG/L	
AC08P22A04F	A	C08P2	5	1	SODIUM	Y	2	2004	18400	UG/L	
AC08P23A04F	A	C08P2	5	1	SODIUM	Y	3	2004	15400	UG/L	J
AC08P24A04F	A	C08P2	5	1	SODIUM	Y	4	2004	17300	UG/L	NJ
AC09P21A04F	A	C09P2	6	1	SODIUM	Y	1	2004	4320	UG/L	
FD03080401F	A	C09P2	6	1	SODIUM	Y	1	2004	4230	UG/L	
AC09P22A04F	A	C09P2	6	1	SODIUM	Y	2	2004	4830	UG/L	
AC09P23A04F	A	C09P2	6	1	SODIUM	Y	3	2004	4570	UG/L	J
AC09P24A04F	A	C09P2	6	1	SODIUM	Y	4	2004	7110	UG/L	NJ
FD12290402F	A	C09P2	6	1	SODIUM	Y	4	2004	6800	UG/L	NJ
AC151A04F	A	C15	7	1	SODIUM	Y	1	2004	8940	UG/L	
AC152A04F	A	C15	7	1	SODIUM	Y	2	2004	9600	UG/L	
FD06210401F	A	C15	7	1	SODIUM	Y	2	2004	9740	UG/L	
AC153A04F	A	C15	7	1	SODIUM	Y	3	2004	9660	UG/L	
FD09200402F	A	C15	7	1	SODIUM	Y	3	2004	9410	UG/L	
AC154A04F	A	C15	7	1	SODIUM	Y	4	2004	13700	UG/L	NJ
FD12160401F	A	C15	7	1	SODIUM	Y	4	2004	14400	UG/L	NJ
AC171A04F	A	C17	8	1	SODIUM	Y	1	2004	108000	UG/L	
AC172A04F	A	C17	8	1	SODIUM	Y	2	2004	106000	UG/L	
AC173A04F	A	C17	8	1	SODIUM	Y	3	2004	112000	UG/L	
FD09200401F	A	C17	8	1	SODIUM	Y	3	2004	108000	UG/L	
AC201A04F	A	C20	9	1	SODIUM	Y	1	2004	10800	UG/L	
AC202B04F	A	C20	9	1	SODIUM	Y	2	2004	11800	UG/L	
AC203A04F	A	C20	9	1	SODIUM	Y	3	2004	11900	UG/L	
AC204A04F	A	C20	9	1	SODIUM	Y	4	2004	16600	UG/L	NJ
AC251A04F	A	C25	10	1	SODIUM	Y	1	2004	69400	UG/L	
AC252A04F	A	C25	10	1	SODIUM	Y	2	2004	70000	UG/L	

Table 7.23. Raw Data for Sodium. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC253A04F	A	C25	10	1	SODIUM	Y	3	2004	67000	UG/L	
AC254A04F	A	C25	10	1	SODIUM	Y	4	2004	70900	UG/L	NJ
AC261A04F	A	C26	11	1	SODIUM	Y	1	2004	14000	UG/L	
AC262A04F	A	C26	11	1	SODIUM	Y	2	2004	16100	UG/L	
AC263A04F	A	C26	11	1	SODIUM	Y	3	2004	15900	UG/L	J
AC264A04F	A	C26	11	1	SODIUM	Y	4	2004	17500	UG/L	NJ
AC271A04F	A	C27	12	1	SODIUM	Y	1	2004	5140	UG/L	
AC272A04F	A	C27	12	1	SODIUM	Y	2	2004	5370	UG/L	
AC273A04F	A	C27	12	1	SODIUM	Y	3	2004	5720	UG/L	
AC301A04F	A	C30	13	1	SODIUM	Y	1	2004	87800	UG/L	
AC302A04F	A	C30	13	1	SODIUM	Y	2	2004	101000	UG/L	
AC303A04F	A	C30	13	1	SODIUM	Y	3	2004	98200	UG/L	J
AC304A04F	A	C30	13	1	SODIUM	Y	4	2004	87800	UG/L	NJ
ASPA1A04F	A	SPA	14	1	SODIUM	Y	1	2004	3950	UG/L	
ASPA2A04F	A	SPA	14	1	SODIUM	Y	2	2004	6860	UG/L	
ASPA3A04F	A	SPA	14	1	SODIUM	Y	3	2004	10600	UG/L	
ASPA4A04F	A	SPA	14	1	SODIUM	Y	4	2004	7840	UG/L	NJ
ASPC1A04F	A	SPC	15	1	SODIUM	Y	1	2004	2930	UG/L	
FD03030401F	A	SPC	15	1	SODIUM	Y	1	2004	2900	UG/L	
ASPC2A04F	A	SPC	15	1	SODIUM	Y	2	2004	4860	UG/L	
FD06290401F	A	SPC	15	1	SODIUM	Y	2	2004	4860	UG/L	
ASPC3A04F	A	SPC	15	1	SODIUM	Y	3	2004	6380	UG/L	
ASPC4A04F	A	SPC	15	1	SODIUM	Y	4	2004	5270	UG/L	NJ

Table 7.24. Raw Data for Vanadium.

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC02P21A04	A	C02P2	1	1	VANADIUM	N	1	2004	2.2	UG/L	U
AC02P22A04	A	C02P2	1	1	VANADIUM	N	2	2004	2.2	UG/L	U
AC02P23A04	A	C02P2	1	1	VANADIUM	N	3	2004	2.2	UG/L	U
AC02P24A04	A	C02P2	1	1	VANADIUM	N	4	2004	2	UG/L	U
AC031A04	A	C03	2	1	VANADIUM	N	1	2004	2.2	UG/L	U
AC032A04	A	C03	2	1	VANADIUM	N	2	2004	2.2	UG/L	U
AC033A04	A	C03	2	1	VANADIUM	N	3	2004	2.2	UG/L	U
AC034A04	A	C03	2	1	VANADIUM	N	4	2004	2.2	UG/L	U
AC041A04	A	C04	3	1	VANADIUM	N	1	2004	2.2	UG/L	U
AC042A04	A	C04	3	1	VANADIUM	N	2	2004	2.2	UG/L	U
AC043A04	A	C04	3	1	VANADIUM	N	3	2004	2.2	UG/L	U
AC044A04	A	C04	3	1	VANADIUM	N	4	2004	2.2	UG/L	U
AC071A04	A	C07	4	1	VANADIUM	N	1	2004	2.2	UG/L	U
AC072A04	A	C07	4	1	VANADIUM	N	2	2004	2.2	UG/L	U
AC073A04	A	C07	4	1	VANADIUM	N	3	2004	2.2	UG/L	U
AC074A04	A	C07	4	1	VANADIUM	N	4	2004	2.2	UG/L	U

Table 7.24. Raw Data for Vanadium. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC08P21A04	A	C08P2	5	1	VANADIUM	N	1	2004	2.2	UG/L	U
AC08P22A04	A	C08P2	5	1	VANADIUM	N	2	2004	2.2	UG/L	U
AC08P23A04	A	C08P2	5	1	VANADIUM	N	3	2004	2.2	UG/L	U
AC08P24A04	A	C08P2	5	1	VANADIUM	N	4	2004	2.2	UG/L	U
AC09P21A04	A	C09P2	6	1	VANADIUM	N	1	2004	3	UG/L	
FD03080401	A	C09P2	6	1	VANADIUM	N	1	2004	2.8	UG/L	
AC09P22A04	A	C09P2	6	1	VANADIUM	N	2	2004	2.8	UG/L	
AC09P23A04	A	C09P2	6	1	VANADIUM	N	3	2004	2.3	UG/L	
AC09P24A04	A	C09P2	6	1	VANADIUM	N	4	2004	3.5	UG/L	J
FD12290402	A	C09P2	6	1	VANADIUM	N	4	2004	4	UG/L	J
AC151A04	A	C15	7	1	VANADIUM	N	1	2004	2.2	UG/L	U
AC152A04	A	C15	7	1	VANADIUM	N	2	2004	2.2	UG/L	U
FD06210401	A	C15	7	1	VANADIUM	N	2	2004	2.2	UG/L	U
AC153A04	A	C15	7	1	VANADIUM	N	3	2004	2.2	UG/L	U
FD09200402	A	C15	7	1	VANADIUM	N	3	2004	2.2	UG/L	U
AC154A04	A	C15	7	1	VANADIUM	N	4	2004	2.2	UG/L	U
FD12160401	A	C15	7	1	VANADIUM	N	4	2004	2.2	UG/L	U
AC171A04	A	C17	8	1	VANADIUM	N	1	2004	2.2	UG/L	U
AC172A04	A	C17	8	1	VANADIUM	N	2	2004	2.2	UG/L	U
AC173A04	A	C17	8	1	VANADIUM	N	3	2004	2.2	UG/L	U
FD09200401	A	C17	8	1	VANADIUM	N	3	2004	2.2	UG/L	U
AC201A04	A	C20	9	1	VANADIUM	N	1	2004	2.2	UG/L	U
AC202B04	A	C20	9	1	VANADIUM	N	2	2004	2.2	UG/L	U
AC203A04	A	C20	9	1	VANADIUM	N	3	2004	2.2	UG/L	U
AC204A04	A	C20	9	1	VANADIUM	N	4	2004	2.2	UG/L	U
AC251A04	A	C25	10	1	VANADIUM	N	1	2004	2.2	UG/L	U
AC252A04	A	C25	10	1	VANADIUM	N	2	2004	2.2	UG/L	U
AC253A04	A	C25	10	1	VANADIUM	N	3	2004	2.2	UG/L	U
AC254A04	A	C25	10	1	VANADIUM	N	4	2004	2.2	UG/L	U
AC261A04	A	C26	11	1	VANADIUM	N	1	2004	2.2	UG/L	U
AC262A04	A	C26	11	1	VANADIUM	N	2	2004	2.2	UG/L	U
AC263A04	A	C26	11	1	VANADIUM	N	3	2004	2.2	UG/L	U
AC264A04	A	C26	11	1	VANADIUM	N	4	2004	2.2	UG/L	U
AC271A04	A	C27	12	1	VANADIUM	N	1	2004	2.2	UG/L	U
AC272A04	A	C27	12	1	VANADIUM	N	2	2004	2.2	UG/L	U
AC273A04	A	C27	12	1	VANADIUM	N	3	2004	2.2	UG/L	U
AC301A04	A	C30	13	1	VANADIUM	N	1	2004	2.2	UG/L	U
AC302A04	A	C30	13	1	VANADIUM	N	2	2004	2.2	UG/L	U
AC303A04	A	C30	13	1	VANADIUM	N	3	2004	2.2	UG/L	U
AC304A04	A	C30	13	1	VANADIUM	N	4	2004	2.2	UG/L	U
ASPA1A04	A	SPA	14	1	VANADIUM	N	1	2004	2.2	UG/L	U
ASPA2A04	A	SPA	14	1	VANADIUM	N	2	2004	2.2	UG/L	U
ASPA3A04	A	SPA	14	1	VANADIUM	N	3	2004	2.2	UG/L	U

Table 7.24. Raw Data for Vanadium. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
ASPA4A04	A	SPA	14	1	VANADIUM	N	4	2004	2.2	UG/L	U
ASPC1A04	A	SPC	15	1	VANADIUM	N	1	2004	2.2	UG/L	U
FD03030401	A	SPC	15	1	VANADIUM	N	1	2004	2.2	UG/L	U
ASPC2A04	A	SPC	15	1	VANADIUM	N	2	2004	2.2	UG/L	U
FD06290401	A	SPC	15	1	VANADIUM	N	2	2004	2.2	UG/L	U
ASPC3A04	A	SPC	15	1	VANADIUM	N	3	2004	2.2	UG/L	U
ASPC4A04	A	SPC	15	1	VANADIUM	N	4	2004	2.2	UG/L	U
AC02P21A04F	A	C02P2	1	1	VANADIUM	Y	1	2004	2	UG/L	U
AC02P22A04F	A	C02P2	1	1	VANADIUM	Y	2	2004	2	UG/L	U
AC02P23A04F	A	C02P2	1	1	VANADIUM	Y	3	2004	2	UG/L	U
AC02P24A04F	A	C02P2	1	1	VANADIUM	Y	4	2004	2	UG/L	U
AC031A04F	A	C03	2	1	VANADIUM	Y	1	2004	2	UG/L	U
AC032A04F	A	C03	2	1	VANADIUM	Y	2	2004	2	UG/L	U
AC033A04F	A	C03	2	1	VANADIUM	Y	3	2004	2	UG/L	U
AC034A04F	A	C03	2	1	VANADIUM	Y	4	2004	2	UG/L	U
AC041A04F	A	C04	3	1	VANADIUM	Y	1	2004	2	UG/L	U
AC042A04F	A	C04	3	1	VANADIUM	Y	2	2004	2	UG/L	U
AC043A04F	A	C04	3	1	VANADIUM	Y	3	2004	2	UG/L	U
AC044A04F	A	C04	3	1	VANADIUM	Y	4	2004	2.3	UG/L	J
AC071A04F	A	C07	4	1	VANADIUM	Y	1	2004	2	UG/L	U
AC072A04F	A	C07	4	1	VANADIUM	Y	2	2004	2	UG/L	U
AC073A04F	A	C07	4	1	VANADIUM	Y	3	2004	2	UG/L	U
AC074A04F	A	C07	1	1	VANADIUM	Y	4	2004	2.2	UG/L	J
AC08P21A04F	A	C08P2	5	1	VANADIUM	Y	1	2004	2	UG/L	U
AC08P22A04F	A	C08P2	5	1	VANADIUM	Y	2	2004	2	UG/L	U
AC08P23A04F	A	C08P2	5	1	VANADIUM	Y	3	2004	2	UG/L	U
AC08P24A04F	A	C08P2	5	1	VANADIUM	Y	4	2004	2	UG/L	U
AC09P21A04F	A	C09P2	6	1	VANADIUM	Y	1	2004	2	UG/L	U
FD03080401F	A	C09P2	6	1	VANADIUM	Y	1	2004	2	UG/L	U
AC09P22A04F	A	C09P2	6	1	VANADIUM	Y	2	2004	2	UG/L	U
AC09P23A04F	A	C09P2	6	1	VANADIUM	Y	3	2004	2	UG/L	U
AC09P24A04F	A	C09P2	6	1	VANADIUM	Y	4	2004	2	UG/L	U
FD12290402F	A	C09P2	6	1	VANADIUM	Y	4	2004	2	UG/L	U
AC151A04F	A	C15	7	1	VANADIUM	Y	1	2004	2	UG/L	U
AC152A04F	A	C15	7	1	VANADIUM	Y	2	2004	2	UG/L	U
FD06210401F	A	C15	7	1	VANADIUM	Y	2	2004	2	UG/L	U
AC153A04F	A	C15	7	1	VANADIUM	Y	3	2004	2	UG/L	U
FD09200402F	A	C15	7	1	VANADIUM	Y	3	2004	2	UG/L	U
AC154A04F	A	C15	7	1	VANADIUM	Y	4	2004	2	UG/L	U
FD12160401F	A	C15	7	1	VANADIUM	Y	4	2004	2	UG/L	U
AC171A04F	A	C17	8	1	VANADIUM	Y	1	2004	2	UG/L	U
AC172A04F	A	C17	8	1	VANADIUM	Y	2	2004	2	UG/L	U
AC173A04F	A	C17	8	1	VANADIUM	Y	3	2004	2	UG/L	U

Table 7.24. Raw Data for Vanadium. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
FD09200401F	A	C17	8	1	VANADIUM	Y	3	2004	2	UG/L	U
AC201A04F	A	C20	9	1	VANADIUM	Y	1	2004	2	UG/L	U
AC202B04F	A	C20	9	1	VANADIUM	Y	2	2004	2	UG/L	U
AC203A04F	A	C20	9	1	VANADIUM	Y	3	2004	2	UG/L	U
AC204A04F	A	C20	9	1	VANADIUM	Y	4	2004	2	UG/L	U
AC251A04F	A	C25	10	1	VANADIUM	Y	1	2004	2	UG/L	U
AC252A04F	A	C25	10	1	VANADIUM	Y	2	2004	2	UG/L	U
AC253A04F	A	C25	10	1	VANADIUM	Y	3	2004	2	UG/L	U
AC254A04F	A	C25	10	1	VANADIUM	Y	4	2004	2	UG/L	U
AC261A04F	A	C26	11	1	VANADIUM	Y	1	2004	2	UG/L	U
AC262A04F	A	C26	11	1	VANADIUM	Y	2	2004	2	UG/L	U
AC263A04F	A	C26	11	1	VANADIUM	Y	3	2004	2	UG/L	U
AC264A04F	A	C26	11	1	VANADIUM	Y	4	2004	2	UG/L	U
AC271A04F	A	C27	12	1	VANADIUM	Y	1	2004	2	UG/L	U
AC272A04F	A	C27	12	1	VANADIUM	Y	2	2004	2	UG/L	U
AC273A04F	A	C27	12	1	VANADIUM	Y	3	2004	2	UG/L	U
AC301A04F	A	C30	13	1	VANADIUM	Y	1	2004	2	UG/L	U
AC302A04F	A	C30	13	1	VANADIUM	Y	2	2004	2	UG/L	U
AC303A04F	A	C30	13	1	VANADIUM	Y	3	2004	2	UG/L	U
AC304A04F	A	C30	13	1	VANADIUM	Y	4	2004	2	UG/L	U
ASPA1A04F	A	SPA	14	1	VANADIUM	Y	1	2004	2	UG/L	U
ASPA2A04F	A	SPA	14	1	VANADIUM	Y	2	2004	2	UG/L	U
ASPA3A04F	A	SPA	14	1	VANADIUM	Y	3	2004	2	UG/L	U
ASPA4A04F	A	SPA	14	1	VANADIUM	Y	4	2004	2	UG/L	U
ASPC1A04F	A	SPC	15	1	VANADIUM	Y	1	2004	2	UG/L	U
FD03030401F	A	SPC	15	1	VANADIUM	Y	1	2004	2	UG/L	U
ASPC2A04F	A	SPC	15	1	VANADIUM	Y	2	2004	2	UG/L	U
FD06290401F	A	SPC	15	1	VANADIUM	Y	2	2004	2	UG/L	U
ASPC3A04F	A	SPC	15	1	VANADIUM	Y	3	2004	2	UG/L	U
ASPC4A04F	A	SPC	15	1	VANADIUM	Y	4	2004	2	UG/L	U
DC021A04	D	C02	1	1	VANADIUM	N	1	2004	2.2	UG/L	U
DC023A04	D	C02	1	1	VANADIUM	N	3	2004	2.2	UG/L	U
DC031A04	D	C03	2	1	VANADIUM	N	1	2004	2.2	UG/L	U
DC033A04	D	C03	2	1	VANADIUM	N	3	2004	2.2	UG/L	U
FD07210401	D	C03	2	1	VANADIUM	N	3	2004	2.2	UG/L	U
DC041A04	D	C04	3	1	VANADIUM	N	1	2004	2.2	UG/L	U
FD01140401	D	C04	3	1	VANADIUM	N	1	2004	2.2	UG/L	U
DC043A04	D	C04	3	1	VANADIUM	N	3	2004	2.2	UG/L	U
FD07150401	D	C04	3	1	VANADIUM	N	3	2004	2.2	UG/L	U
DC051A04	D	C05	4	1	VANADIUM	N	1	2004	2.2	UG/L	U
DC053A04	D	C05	4	1	VANADIUM	N	3	2004	2.2	UG/L	U
DC061A04	D	C06	5	1	VANADIUM	N	1	2004	2.2	UG/L	U
FD01080401	D	C06	5	1	VANADIUM	N	1	2004	2.2	UG/L	U

Table 7.24. Raw Data for Vanadium. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
DC063A04	D	C06	5	1	VANADIUM	N	3	2004	2.2	UG/L	U
DC071A04	D	C07	6	1	VANADIUM	N	1	2004	2.2	UG/L	U
DC073A04	D	C07	6	1	VANADIUM	N	3	2004	2.2	UG/L	U
DC081A04	D	C08	7	1	VANADIUM	N	1	2004	3.6	UG/L	
DC083A04	D	C08	7	1	VANADIUM	N	3	2004	2.2	UG/L	U
DC021A04F	D	C02	1	1	VANADIUM	Y	1	2004	2	UG/L	U
DC023A04F	D	C02	1	1	VANADIUM	Y	3	2004	2	UG/L	U
DC031A04F	D	C03	2	1	VANADIUM	Y	1	2004	2	UG/L	U
DC033A04F	D	C03	2	1	VANADIUM	Y	3	2004	2	UG/L	U
FD07210401F	D	C03	2	1	VANADIUM	Y	3	2004	2	UG/L	U
DC041A04F	D	C04	3	1	VANADIUM	Y	1	2004	2	UG/L	U
FD01140401F	D	C04	3	1	VANADIUM	Y	1	2004	2	UG/L	U
DC043A04F	D	C04	3	1	VANADIUM	Y	3	2004	2	UG/L	U
FD07150401F	D	C04	3	1	VANADIUM	Y	3	2004	2	UG/L	U
DC051A04F	D	C05	4	1	VANADIUM	Y	1	2004	2	UG/L	U
DC053A04F	D	C05	4	1	VANADIUM	Y	3	2004	2	UG/L	U
DC061A04F	D	C06	5	1	VANADIUM	Y	1	2004	2	UG/L	U
FD01080401F	D	C06	5	1	VANADIUM	Y	1	2004	2	UG/L	U
DC063A04F	D	C06	5	1	VANADIUM	Y	3	2004	2	UG/L	U
DC071A04F	D	C07	6	1	VANADIUM	Y	1	2004	2	UG/L	U
DC073A04F	D	C07	6	1	VANADIUM	Y	3	2004	2	UG/L	U
DC081A04F	D	C08	7	1	VANADIUM	Y	1	2004	2	UG/L	U
DC083A04F	D	C08	7	1	VANADIUM	Y	3	2004	2	UG/L	U
DC03P21A04	D	C03P2	1	2	VANADIUM	N	1	2004	2.2	UG/L	U
DC03P23A04	D	C03P2	1	2	VANADIUM	N	3	2004	2.2	UG/L	U
DC04P21A04	D	C04P2	2	2	VANADIUM	N	1	2004	2.2	UG/L	U
DC04P23A04	D	C04P2	2	2	VANADIUM	N	3	2004	2.2	UG/L	U
DC06P21A04	D	C06P2	3	2	VANADIUM	N	1	2004	2.2	UG/L	U
DC06P23A04	D	C06P2	3	2	VANADIUM	N	3	2004	2.2	UG/L	U
DC08P21A04	D	C08P2	4	2	VANADIUM	N	1	2004	2.2	UG/L	U
DC08P23A04	D	C08P2	4	2	VANADIUM	N	3	2004	2.2	UG/L	U
DC03P21A04F	D	C03P2	1	2	VANADIUM	Y	1	2004	2	UG/L	U
DC03P23A04F	D	C03P2	1	2	VANADIUM	Y	3	2004	2	UG/L	U
DC04P21A04F	D	C04P2	2	2	VANADIUM	Y	1	2004	2	UG/L	U
DC04P23A04F	D	C04P2	2	2	VANADIUM	Y	3	2004	2	UG/L	U
DC06P21A04F	D	C06P2	3	2	VANADIUM	Y	1	2004	2	UG/L	U
DC06P23A04F	D	C06P2	3	2	VANADIUM	Y	3	2004	2	UG/L	U
DC08P21A04F	D	C08P2	4	2	VANADIUM	Y	1	2004	2	UG/L	U
DC08P23A04F	D	C08P2	4	2	VANADIUM	Y	3	2004	2	UG/L	U
OC081A04	O	C08	1	1	VANADIUM	N	1	2004	2.2	UG/L	U
OC082A04	O	C08	1	1	VANADIUM	N	2	2004	2.2	UG/L	U
OC083A04	O	C08	1	1	VANADIUM	N	3	2004	2.2	UG/L	U
OC084A04	O	C08	1	1	VANADIUM	N	4	2004	3.2	UG/L	

Table 7.24. Raw Data for Vanadium. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
OC111A04	O	C11	2	1	VANADIUM	N	1	2004	2.2	UG/L	U
OC112A04	O	C11	2	1	VANADIUM	N	2	2004	2.2	UG/L	U
OC113A04	O	C11	2	1	VANADIUM	N	3	2004	2.2	UG/L	U
OC114A04	O	C11	2	1	VANADIUM	N	4	2004	2.2	UG/L	U
OC121A04	O	C12	3	1	VANADIUM	N	1	2004	2.2	UG/L	U
OC122A04	O	C12	3	1	VANADIUM	N	2	2004	2.2	UG/L	U
OC123A04	O	C12	3	1	VANADIUM	N	3	2004	2.2	UG/L	U
OC124A04	O	C12	3	1	VANADIUM	N	4	2004	2.2	UG/L	U
OC131A04	O	C13	4	1	VANADIUM	N	1	2004	2.2	UG/L	U
OC132A04	O	C13	4	1	VANADIUM	N	2	2004	2.2	UG/L	U
OC133A04	O	C13	4	1	VANADIUM	N	3	2004	2.2	UG/L	U
OC134A04	O	C13	4	1	VANADIUM	N	4	2004	2.2	UG/L	U
OC141A04	O	C14	5	1	VANADIUM	N	1	2004	4.1	UG/L	
OC142A04	O	C14	5	1	VANADIUM	N	2	2004	3.3	UG/L	
OC143A04	O	C14	5	1	VANADIUM	N	3	2004	2.2	UG/L	U
OC144A04	O	C14	5	1	VANADIUM	N	4	2004	2.2	UG/L	U
OC151A04	O	C15	6	1	VANADIUM	N	1	2004	2.2	UG/L	U
FD02100401	O	C15	6	1	VANADIUM	N	1	2004	2.2	UG/L	U
OC152A04	O	C15	6	1	VANADIUM	N	2	2004	2.2	UG/L	U
FD05170401	O	C15	6	1	VANADIUM	N	2	2004	2.2	UG/L	U
OC153A04	O	C15	6	1	VANADIUM	N	3	2004	2.2	UG/L	U
FD08170401	O	C15	6	1	VANADIUM	N	3	2004	2.2	UG/L	U
OC154A04	O	C15	6	1	VANADIUM	N	4	2004	2.2	UG/L	U
FD11160401	O	C15	6	1	VANADIUM	N	4	2004	2.2	UG/L	U
OC161A04	O	C16	7	1	VANADIUM	N	1	2004	2.2	UG/L	U
FD02110401	O	C16	7	1	VANADIUM	N	1	2004	2.2	UG/L	U
OC162A04	O	C16	7	1	VANADIUM	N	2	2004	2.2	UG/L	U
FD05030401	O	C16	7	1	VANADIUM	N	2	2004	2.2	UG/L	U
OC163A04	O	C16	7	1	VANADIUM	N	3	2004	2.2	UG/L	U
OC164A04	O	C16	7	1	VANADIUM	N	4	2004	2.2	UG/L	U
FD11230402	O	C16	7	1	VANADIUM	N	4	2004	2.2	UG/L	U
OC181A04	O	C18	8	1	VANADIUM	N	1	2004	2.2	UG/L	U
OC182A04	O	C18	8	1	VANADIUM	N	2	2004	2.2	UG/L	U
OC183A04	O	C18	8	1	VANADIUM	N	3	2004	2.2	UG/L	U
OC184A04	O	C18	8	1	VANADIUM	N	4	2004	2.2	UG/L	U
OC191A04	O	C19	9	1	VANADIUM	N	1	2004	2.2	UG/L	U
OC192A04	O	C19	9	1	VANADIUM	N	2	2004	2.2	UG/L	U
OC193A04	O	C19	9	1	VANADIUM	N	3	2004	2.2	UG/L	U
FD09010401	O	C19	9	1	VANADIUM	N	3	2004	2.2	UG/L	U
OC194A04	O	C19	9	1	VANADIUM	N	4	2004	2.2	UG/L	U
OC081A04F	O	C08	1	1	VANADIUM	Y	1	2004	2	UG/L	U
OC082A04F	O	C08	1	1	VANADIUM	Y	2	2004	2	UG/L	U
OC083A04F	O	C08	1	1	VANADIUM	Y	3	2004	2	UG/L	U

Table 7.24. Raw Data for Vanadium. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
OC084A04F	O	C08	1	1	VANADIUM	Y	4	2004	2	UG/L	U
OC111A04F	O	C11	2	1	VANADIUM	Y	1	2004	2	UG/L	U
OC112A04F	O	C11	2	1	VANADIUM	Y	2	2004	2	UG/L	U
OC113A04F	O	C11	2	1	VANADIUM	Y	3	2004	2	UG/L	U
OC114A04F	O	C11	2	1	VANADIUM	Y	4	2004	2	UG/L	U
OC121A04F	O	C12	3	1	VANADIUM	Y	1	2004	2	UG/L	U
OC122A04F	O	C12	3	1	VANADIUM	Y	2	2004	2	UG/L	U
OC123A04F	O	C12	3	1	VANADIUM	Y	3	2004	2	UG/L	U
OC124A04F	O	C12	3	1	VANADIUM	Y	4	2004	2	UG/L	U
OC131A04F	O	C13	4	1	VANADIUM	Y	1	2004	2	UG/L	U
OC132A04F	O	C13	4	1	VANADIUM	Y	2	2004	2	UG/L	U
OC133A04F	O	C13	4	1	VANADIUM	Y	3	2004	2	UG/L	U
OC134A04F	O	C13	4	1	VANADIUM	Y	4	2004	2	UG/L	U
OC141A04F	O	C14	5	1	VANADIUM	Y	1	2004	2	UG/L	U
OC142A04F	O	C14	5	1	VANADIUM	Y	2	2004	2	UG/L	U
OC143A04F	O	C14	5	1	VANADIUM	Y	3	2004	2	UG/L	U
OC144A04F	O	C14	5	1	VANADIUM	Y	4	2004	2	UG/L	U
OC151A04F	O	C15	6	1	VANADIUM	Y	1	2004	2	UG/L	U
FD02100401F	O	C15	6	1	VANADIUM	Y	1	2004	2	UG/L	U
OC152A04F	O	C15	6	1	VANADIUM	Y	2	2004	2	UG/L	U
FD05170401F	O	C15	6	1	VANADIUM	Y	2	2004	2	UG/L	U
OC153A04F	O	C15	6	1	VANADIUM	Y	3	2004	2	UG/L	U
FD08170401F	O	C15	6	1	VANADIUM	Y	3	2004	2	UG/L	U
OC154A04F	O	C15	6	1	VANADIUM	Y	4	2004	2	UG/L	U
FD11160401F	O	C15	6	1	VANADIUM	Y	4	2004	2	UG/L	U
OC161A04F	O	C16	7	1	VANADIUM	Y	1	2004	2	UG/L	U
FD02110401F	O	C16	7	1	VANADIUM	Y	1	2004	2	UG/L	U
OC162A04F	O	C16	7	1	VANADIUM	Y	2	2004	2	UG/L	U
FD05030401F	O	C16	7	1	VANADIUM	Y	2	2004	2	UG/L	U
OC163A04F	O	C16	7	1	VANADIUM	Y	3	2004	2	UG/L	U
OC164A04F	O	C16	7	1	VANADIUM	Y	4	2004	2	UG/L	U
FD11230402F	O	C16	7	1	VANADIUM	Y	4	2004	2	UG/L	U
OC181A04F	O	C18	8	1	VANADIUM	Y	1	2004	2	UG/L	U
OC182A04F	O	C18	8	1	VANADIUM	Y	2	2004	2	UG/L	U
OC183A04F	O	C18	8	1	VANADIUM	Y	3	2004	2	UG/L	U
OC184A04F	O	C18	8	1	VANADIUM	Y	4	2004	2	UG/L	U
OC191A04F	O	C19	9	1	VANADIUM	Y	1	2004	2	UG/L	U
OC192A04F	O	C19	9	1	VANADIUM	Y	2	2004	2	UG/L	U
OC193A04F	O	C19	9	1	VANADIUM	Y	3	2004	2	UG/L	U
FD09010401F	O	C19	9	1	VANADIUM	Y	3	2004	2	UG/L	U
OC194A04F	O	C19	9	1	VANADIUM	Y	4	2004	2	UG/L	U
OC11P21A04	O	C11P2	1	2	VANADIUM	N	1	2004	2.2	UG/L	U
OC11P22A04	O	C11P2	1	2	VANADIUM	N	2	2004	2.2	UG/L	U

Table 7.24. Raw Data for Vanadium. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
OC11P23A04	O	C11P2	1	2	VANADIUM	N	3	2004	2.2	UG/L	U
OC11P24A04	O	C11P2	1	2	VANADIUM	N	4	2004	2.2	UG/L	U
OC13P21A04	O	C13P2	2	2	VANADIUM	N	1	2004	2.2	UG/L	U
OC13P22A04	O	C13P2	2	2	VANADIUM	N	2	2004	2.2	UG/L	U
OC13P23A04	O	C13P2	2	2	VANADIUM	N	3	2004	2.2	UG/L	U
OC13P24A04	O	C13P2	2	2	VANADIUM	N	4	2004	2.2	UG/L	U
OC14P21A04	O	C14P2	3	2	VANADIUM	N	1	2004	2.2	UG/L	U
OC14P22A04	O	C14P2	3	2	VANADIUM	N	2	2004	2.2	UG/L	U
OC14P23A04	O	C14P2	3	2	VANADIUM	N	3	2004	2.2	UG/L	U
OC14P24A04	O	C14P2	3	2	VANADIUM	N	4	2004	2.2	UG/L	U
OC18P21A04	O	C18P2	4	2	VANADIUM	N	1	2004	2.2	UG/L	U
OC18P22A04	O	C18P2	4	2	VANADIUM	N	2	2004	2.2	UG/L	U
OC18P23A04	O	C18P2	4	2	VANADIUM	N	3	2004	2.2	UG/L	U
OC18P24A04	O	C18P2	4	2	VANADIUM	N	4	2004	2.2	UG/L	U
OC19P21A04	O	C19P2	5	2	VANADIUM	N	1	2004	2.2	UG/L	U
OC19P22A04	O	C19P2	5	2	VANADIUM	N	2	2004	2.2	UG/L	U
OC19P23A04	O	C19P2	5	2	VANADIUM	N	3	2004	2.2	UG/L	U
OC19P24A04	O	C19P2	5	2	VANADIUM	N	4	2004	2.2	UG/L	U
OC11P21A04F	O	C11P2	1	2	VANADIUM	Y	1	2004	2	UG/L	U
OC11P22A04F	O	C11P2	1	2	VANADIUM	Y	2	2004	2	UG/L	U
OC11P23A04F	O	C11P2	1	2	VANADIUM	Y	3	2004	2	UG/L	U
OC11P24A04F	O	C11P2	1	2	VANADIUM	Y	4	2004	2	UG/L	U
OC13P21A04F	O	C13P2	2	2	VANADIUM	Y	1	2004	2	UG/L	U
OC13P22A04F	O	C13P2	2	2	VANADIUM	Y	2	2004	2	UG/L	U
OC13P23A04F	O	C13P2	2	2	VANADIUM	Y	3	2004	2	UG/L	U
OC13P24A04F	O	C13P2	2	2	VANADIUM	Y	4	2004	2	UG/L	U
OC14P21A04F	O	C14P2	3	2	VANADIUM	Y	1	2004	2	UG/L	U
OC14P22A04F	O	C14P2	3	2	VANADIUM	Y	2	2004	2	UG/L	U
OC14P23A04F	O	C14P2	3	2	VANADIUM	Y	3	2004	2	UG/L	U
OC14P24A04F	O	C14P2	3	2	VANADIUM	Y	4	2004	2	UG/L	U
OC18P21A04F	O	C18P2	4	2	VANADIUM	Y	1	2004	2	UG/L	U
OC18P22A04F	O	C18P2	4	2	VANADIUM	Y	2	2004	2	UG/L	U
OC18P23A04F	O	C18P2	4	2	VANADIUM	Y	3	2004	2	UG/L	U
OC18P24A04F	O	C18P2	4	2	VANADIUM	Y	4	2004	2	UG/L	U
OC19P21A04F	O	C19P2	5	2	VANADIUM	Y	1	2004	2	UG/L	U
OC19P22A04F	O	C19P2	5	2	VANADIUM	Y	2	2004	2	UG/L	U
OC19P23A04F	O	C19P2	5	2	VANADIUM	Y	3	2004	2	UG/L	U
OC19P24A04F	O	C19P2	5	2	VANADIUM	Y	4	2004	2	UG/L	U

Table 7.25. Raw Data for Zinc.

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC02P21A04	A	C02P2	1	1	ZINC	N	1	2004	11.1	UG/L	U
AC02P22A04	A	C02P2	1	1	ZINC	N	2	2004	11.1	UG/L	U
AC02P23A04	A	C02P2	1	1	ZINC	N	3	2004	11.1	UG/L	UNJ
AC02P24A04	A	C02P2	1	1	ZINC	N	4	2004	11.1	UG/L	U
AC031A04	A	C03	2	1	ZINC	N	1	2004	11.1	UG/L	U
AC032A04	A	C03	2	1	ZINC	N	2	2004	11.1	UG/L	U
AC033A04	A	C03	2	1	ZINC	N	3	2004	11.1	UG/L	UNJ
AC034A04	A	C03	2	1	ZINC	N	4	2004	11.1	UG/L	U
AC041A04	A	C04	3	1	ZINC	N	1	2004	11.1	UG/L	U
AC042A04	A	C04	3	1	ZINC	N	2	2004	11.1	UG/L	U
AC043A04	A	C04	3	1	ZINC	N	3	2004	11.1	UG/L	UNJ
AC044A04	A	C04	3	1	ZINC	N	4	2004	22.3	UG/L	J
AC071A04	A	C07	4	1	ZINC	N	1	2004	11.1	UG/L	U
AC072A04	A	C07	4	1	ZINC	N	2	2004	11.1	UG/L	U
AC073A04	A	C07	4	1	ZINC	N	3	2004	11.1	UG/L	UNJ
AC074A04	A	C07	4	1	ZINC	N	4	2004	11.1	UG/L	U
AC08P21A04	A	C08P2	5	1	ZINC	N	1	2004	11.9	UG/L	
AC08P22A04	A	C08P2	5	1	ZINC	N	2	2004	19.6	UG/L	
AC08P23A04	A	C08P2	5	1	ZINC	N	3	2004	11.1	UG/L	UNJ
AC08P24A04	A	C08P2	5	1	ZINC	N	4	2004	11.1	UG/L	U
AC09P21A04	A	C09P2	6	1	ZINC	N	1	2004	11.1	UG/L	U
FD03080401	A	C09P2	6	1	ZINC	N	1	2004	11.1	UG/L	U
AC09P22A04	A	C09P2	6	1	ZINC	N	2	2004	11.1	UG/L	U
AC09P23A04	A	C09P2	6	1	ZINC	N	3	2004	11.1	UG/L	UNJ
AC09P24A04	A	C09P2	6	1	ZINC	N	4	2004	11.1	UG/L	U
FD12290402	A	C09P2	6	1	ZINC	N	4	2004	11.1	UG/L	U
AC151A04	A	C15	7	1	ZINC	N	1	2004	11.1	UG/L	U
AC152A04	A	C15	7	1	ZINC	N	2	2004	69.3	UG/L	
FD06210401	A	C15	7	1	ZINC	N	2	2004	49.8	UG/L	
AC153A04	A	C15	7	1	ZINC	N	3	2004	11.1	UG/L	UNJ
FD09200402	A	C15	7	1	ZINC	N	3	2004	11.1	UG/L	UNJ
AC154A04	A	C15	7	1	ZINC	N	4	2004	11.1	UG/L	U
FD12160401	A	C15	7	1	ZINC	N	4	2004	11.1	UG/L	U
AC171A04	A	C17	8	1	ZINC	N	1	2004	11.1	UG/L	U
AC172A04	A	C17	8	1	ZINC	N	2	2004	11.1	UG/L	U
AC173A04	A	C17	8	1	ZINC	N	3	2004	11.1	UG/L	UNJ
FD09200401	A	C17	8	1	ZINC	N	3	2004	11.1	UG/L	UN
AC201A04	A	C20	9	1	ZINC	N	1	2004	11.1	UG/L	U
AC202B04	A	C20	9	1	ZINC	N	2	2004	11.1	UG/L	U
AC203A04	A	C20	9	1	ZINC	N	3	2004	11.1	UG/L	UNJ
AC204A04	A	C20	9	1	ZINC	N	4	2004	11.1	UG/L	U
AC251A04	A	C25	10	1	ZINC	N	1	2004	11.1	UG/L	U
AC252A04	A	C25	10	1	ZINC	N	2	2004	11.1	UG/L	U

Table 7.25. Raw Data for Zinc. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC253A04	A	C25	10	1	ZINC	N	3	2004	11.1	UG/L	UNJ
AC254A04	A	C25	10	1	ZINC	N	4	2004	11.1	UG/L	U
AC261A04	A	C26	11	1	ZINC	N	1	2004	11.1	UG/L	U
AC262A04	A	C26	11	1	ZINC	N	2	2004	26.1	UG/L	
AC263A04	A	C26	11	1	ZINC	N	3	2004	11.1	UG/L	UNJ
AC264A04	A	C26	11	1	ZINC	N	4	2004	11.1	UG/L	U
AC271A04	A	C27	12	1	ZINC	N	1	2004	11.1	UG/L	U
AC272A04	A	C27	12	1	ZINC	N	2	2004	11.1	UG/L	U
AC273A04	A	C27	12	1	ZINC	N	3	2004	11.1	UG/L	UNJ
AC301A04	A	C30	13	1	ZINC	N	1	2004	11.1	UG/L	U
AC302A04	A	C30	13	1	ZINC	N	2	2004	25.4	UG/L	
AC303A04	A	C30	13	1	ZINC	N	3	2004	11.1	UG/L	UNJ
AC304A04	A	C30	13	1	ZINC	N	4	2004	11.1	UG/L	U
ASPA1A04	A	SPA	14	1	ZINC	N	1	2004	11.1	UG/L	U
ASPA2A04	A	SPA	14	1	ZINC	N	2	2004	11.1	UG/L	U
ASPA3A04	A	SPA	14	1	ZINC	N	3	2004	11.1	UG/L	UNJ
ASPA4A04	A	SPA	14	1	ZINC	N	4	2004	11.1	UG/L	U
ASPC1A04	A	SPC	15	1	ZINC	N	1	2004	11.1	UG/L	U
FD03030401	A	SPC	15	1	ZINC	N	1	2004	11.1	UG/L	U
ASPC2A04	A	SPC	15	1	ZINC	N	2	2004	11.1	UG/L	U
FD06290401	A	SPC	15	1	ZINC	N	2	2004	11.1	UG/L	U
ASPC3A04	A	SPC	15	1	ZINC	N	3	2004	11.1	UG/L	UNJ
ASPC4A04	A	SPC	15	1	ZINC	N	4	2004	11.1	UG/L	U
AC02P21A04F	A	C02P2	1	1	ZINC	Y	1	2004	10	UG/L	U
AC02P22A04F	A	C02P2	1	1	ZINC	Y	2	2004	10	UG/L	U
AC02P23A04F	A	C02P2	1	1	ZINC	Y	3	2004	10	UG/L	U
AC02P24A04F	A	C02P2	1	1	ZINC	Y	4	2004	54.6	UG/L	J
AC031A04F	A	C03	2	1	ZINC	Y	1	2004	10	UG/L	U
AC032A04F	A	C03	2	1	ZINC	Y	2	2004	10	UG/L	U
AC033A04F	A	C03	2	1	ZINC	Y	3	2004	10	UG/L	U
AC034A04F	A	C03	2	1	ZINC	Y	4	2004	10	UG/L	U
AC041A04F	A	C04	3	1	ZINC	Y	1	2004	10	UG/L	U
AC042A04F	A	C04	3	1	ZINC	Y	2	2004	10	UG/L	U
AC043A04F	A	C04	3	1	ZINC	Y	3	2004	10	UG/L	U
AC044A04F	A	C04	3	1	ZINC	Y	4	2004	11.6	UG/L	J
AC071A04F	A	C07	4	1	ZINC	Y	1	2004	10	UG/L	U
AC072A04F	A	C07	4	1	ZINC	Y	2	2004	10	UG/L	U
AC073A04F	A	C07	4	1	ZINC	Y	3	2004	10	UG/L	U
AC074A04F	A	C07	1	1	ZINC	Y	4	2004	10	UG/L	U
AC08P21A04F	A	C08P2	5	1	ZINC	Y	1	2004	10	UG/L	U
AC08P22A04F	A	C08P2	5	1	ZINC	Y	2	2004	10	UG/L	U
AC08P23A04F	A	C08P2	5	1	ZINC	Y	3	2004	10	UG/L	U
AC08P24A04F	A	C08P2	5	1	ZINC	Y	4	2004	16.5	UG/L	J

Table 7.25. Raw Data for Zinc. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC09P21A04F	A	C09P2	6	1	ZINC	Y	1	2004	10	UG/L	U
FD03080401F	A	C09P2	6	1	ZINC	Y	1	2004	10	UG/L	U
AC09P22A04F	A	C09P2	6	1	ZINC	Y	2	2004	10	UG/L	U
AC09P23A04F	A	C09P2	6	1	ZINC	Y	3	2004	10	UG/L	U
AC09P24A04F	A	C09P2	6	1	ZINC	Y	4	2004	10	UG/L	U
FD12290402F	A	C09P2	6	1	ZINC	Y	4	2004	10	UG/L	U
AC151A04F	A	C15	7	1	ZINC	Y	1	2004	10	UG/L	U
AC152A04F	A	C15	7	1	ZINC	Y	2	2004	10	UG/L	U
FD06210401F	A	C15	7	1	ZINC	Y	2	2004	10	UG/L	U
AC153A04F	A	C15	7	1	ZINC	Y	3	2004	10	UG/L	U
FD09200402F	A	C15	7	1	ZINC	Y	3	2004	10	UG/L	U
AC154A04F	A	C15	7	1	ZINC	Y	4	2004	10	UG/L	U
FD12160401F	A	C15	7	1	ZINC	Y	4	2004	10	UG/L	U
AC171A04F	A	C17	8	1	ZINC	Y	1	2004	10	UG/L	U
AC172A04F	A	C17	8	1	ZINC	Y	2	2004	10	UG/L	U
AC173A04F	A	C17	8	1	ZINC	Y	3	2004	10	UG/L	U
FD09200401F	A	C17	8	1	ZINC	Y	3	2004	10	UG/L	U
AC201A04F	A	C20	9	1	ZINC	Y	1	2004	10.2	UG/L	
AC202B04F	A	C20	9	1	ZINC	Y	2	2004	10	UG/L	U
AC203A04F	A	C20	9	1	ZINC	Y	3	2004	10	UG/L	U
AC204A04F	A	C20	9	1	ZINC	Y	4	2004	10	UG/L	U
AC251A04F	A	C25	10	1	ZINC	Y	1	2004	10	UG/L	U
AC252A04F	A	C25	10	1	ZINC	Y	2	2004	10	UG/L	U
AC253A04F	A	C25	10	1	ZINC	Y	3	2004	10	UG/L	U
AC254A04F	A	C25	10	1	ZINC	Y	4	2004	10	UG/L	U
AC261A04F	A	C26	11	1	ZINC	Y	1	2004	10	UG/L	U
AC262A04F	A	C26	11	1	ZINC	Y	2	2004	10	UG/L	U
AC263A04F	A	C26	11	1	ZINC	Y	3	2004	10	UG/L	U
AC264A04F	A	C26	11	1	ZINC	Y	4	2004	35.6	UG/L	J
AC271A04F	A	C27	12	1	ZINC	Y	1	2004	39.9	UG/L	
AC272A04F	A	C27	12	1	ZINC	Y	2	2004	10	UG/L	U
AC273A04F	A	C27	12	1	ZINC	Y	3	2004	10	UG/L	U
AC301A04F	A	C30	13	1	ZINC	Y	1	2004	111	UG/L	
AC302A04F	A	C30	13	1	ZINC	Y	2	2004	10	UG/L	U
AC303A04F	A	C30	13	1	ZINC	Y	3	2004	10	UG/L	U
AC304A04F	A	C30	13	1	ZINC	Y	4	2004	10	UG/L	U
ASPA1A04F	A	SPA	14	1	ZINC	Y	1	2004	10	UG/L	U
ASPA2A04F	A	SPA	14	1	ZINC	Y	2	2004	10	UG/L	U
ASPA3A04F	A	SPA	14	1	ZINC	Y	3	2004	10	UG/L	U
ASPA4A04F	A	SPA	14	1	ZINC	Y	4	2004	10	UG/L	U
ASPC1A04F	A	SPC	15	1	ZINC	Y	1	2004	10	UG/L	U
FD03030401F	A	SPC	15	1	ZINC	Y	1	2004	10	UG/L	U
ASPC2A04F	A	SPC	15	1	ZINC	Y	2	2004	10	UG/L	U

Table 7.25. Raw Data for Zinc. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
FD06290401F	A	SPC	15	1	ZINC	Y	2	2004	10	UG/L	U
ASPC3A04F	A	SPC	15	1	ZINC	Y	3	2004	10	UG/L	U
ASPC4A04F	A	SPC	15	1	ZINC	Y	4	2004	122	UG/L	J
DC021A04	D	C02	1	1	ZINC	N	1	2004	11.1	UG/L	U
DC023A04	D	C02	1	1	ZINC	N	3	2004	11.1	UG/L	U
DC031A04	D	C03	2	1	ZINC	N	1	2004	11.1	UG/L	U
DC033A04	D	C03	2	1	ZINC	N	3	2004	11.1	UG/L	U
FD07210401	D	C03	2	1	ZINC	N	3	2004	11.1	UG/L	U
DC041A04	D	C04	3	1	ZINC	N	1	2004	11.1	UG/L	U
FD01140401	D	C04	3	1	ZINC	N	1	2004	11.1	UG/L	U
DC043A04	D	C04	3	1	ZINC	N	3	2004	11.1	UG/L	U
FD07150401	D	C04	3	1	ZINC	N	3	2004	11.1	UG/L	U
DC051A04	D	C05	4	1	ZINC	N	1	2004	11.1	UG/L	U
DC053A04	D	C05	4	1	ZINC	N	3	2004	11.1	UG/L	U
DC061A04	D	C06	5	1	ZINC	N	1	2004	11.1	UG/L	U
FD01080401	D	C06	5	1	ZINC	N	1	2004	11.1	UG/L	U
DC063A04	D	C06	5	1	ZINC	N	3	2004	11.1	UG/L	U
DC071A04	D	C07	6	1	ZINC	N	1	2004	11.1	UG/L	U
DC073A04	D	C07	6	1	ZINC	N	3	2004	11.1	UG/L	U
DC081A04	D	C08	7	1	ZINC	N	1	2004	49.9	UG/L	
DC083A04	D	C08	7	1	ZINC	N	3	2004	11.1	UG/L	U
DC021A04F	D	C02	1	1	ZINC	Y	1	2004	10	UG/L	U
DC023A04F	D	C02	1	1	ZINC	Y	3	2004	10	UG/L	U
DC031A04F	D	C03	2	1	ZINC	Y	1	2004	10	UG/L	U
DC033A04F	D	C03	2	1	ZINC	Y	3	2004	10	UG/L	U
FD07210401F	D	C03	2	1	ZINC	Y	3	2004	10	UG/L	U
DC041A04F	D	C04	3	1	ZINC	Y	1	2004	10	UG/L	U
FD01140401F	D	C04	3	1	ZINC	Y	1	2004	10	UG/L	U
DC043A04F	D	C04	3	1	ZINC	Y	3	2004	10	UG/L	U
FD07150401F	D	C04	3	1	ZINC	Y	3	2004	10	UG/L	U
DC051A04F	D	C05	4	1	ZINC	Y	1	2004	29	UG/L	
DC053A04F	D	C05	4	1	ZINC	Y	3	2004	10	UG/L	U
DC061A04F	D	C06	5	1	ZINC	Y	1	2004	10	UG/L	U
FD01080401F	D	C06	5	1	ZINC	Y	1	2004	10	UG/L	U
DC063A04F	D	C06	5	1	ZINC	Y	3	2004	10	UG/L	U
DC071A04F	D	C07	6	1	ZINC	Y	1	2004	76.7	UG/L	
DC073A04F	D	C07	6	1	ZINC	Y	3	2004	10	UG/L	U
DC081A04F	D	C08	7	1	ZINC	Y	1	2004	10	UG/L	U
DC083A04F	D	C08	7	1	ZINC	Y	3	2004	10	UG/L	U
DC03P21A04	D	C03P2	1	2	ZINC	N	1	2004	11.1	UG/L	U
DC03P23A04	D	C03P2	1	2	ZINC	N	3	2004	11.1	UG/L	U
DC04P21A04	D	C04P2	2	2	ZINC	N	1	2004	11.1	UG/L	U
DC04P23A04	D	C04P2	2	2	ZINC	N	3	2004	199	UG/L	

Table 7.25. Raw Data for Zinc. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
DC06P21A04	D	C06P2	3	2	ZINC	N	1	2004	11.1	UG/L	U
DC06P23A04	D	C06P2	3	2	ZINC	N	3	2004	11.1	UG/L	U
DC08P21A04	D	C08P2	4	2	ZINC	N	1	2004	44.6	UG/L	
DC08P23A04	D	C08P2	4	2	ZINC	N	3	2004	31.3	UG/L	
DC03P21A04F	D	C03P2	1	2	ZINC	Y	1	2004	10	UG/L	U
DC03P23A04F	D	C03P2	1	2	ZINC	Y	3	2004	10	UG/L	U
DC04P21A04F	D	C04P2	2	2	ZINC	Y	1	2004	10	UG/L	U
DC04P23A04F	D	C04P2	2	2	ZINC	Y	3	2004	10	UG/L	U
DC06P21A04F	D	C06P2	3	2	ZINC	Y	1	2004	10	UG/L	U
DC06P23A04F	D	C06P2	3	2	ZINC	Y	3	2004	10	UG/L	U
DC08P21A04F	D	C08P2	4	2	ZINC	Y	1	2004	37.3	UG/L	
DC08P23A04F	D	C08P2	4	2	ZINC	Y	3	2004	31.2	UG/L	
OC081A04	O	C08	1	1	ZINC	N	1	2004	11.1	UG/L	U
OC082A04	O	C08	1	1	ZINC	N	2	2004	11.1	UG/L	UNJ
OC083A04	O	C08	1	1	ZINC	N	3	2004	11.1	UG/L	U
OC084A04	O	C08	1	1	ZINC	N	4	2004	55.5	UG/L	J
OC111A04	O	C11	2	1	ZINC	N	1	2004	11.1	UG/L	U
OC112A04	O	C11	2	1	ZINC	N	2	2004	11.8	UG/L	NJ
OC113A04	O	C11	2	1	ZINC	N	3	2004	16.5	UG/L	
OC114A04	O	C11	2	1	ZINC	N	4	2004	12.3	UG/L	J
OC121A04	O	C12	3	1	ZINC	N	1	2004	11.1	UG/L	U
OC122A04	O	C12	3	1	ZINC	N	2	2004	11.1	UG/L	UNJ
OC123A04	O	C12	3	1	ZINC	N	3	2004	11.1	UG/L	U
OC124A04	O	C12	3	1	ZINC	N	4	2004	11.1	UG/L	U
OC131A04	O	C13	4	1	ZINC	N	1	2004	11.1	UG/L	U
OC132A04	O	C13	4	1	ZINC	N	2	2004	16	UG/L	NJ
OC133A04	O	C13	4	1	ZINC	N	3	2004	11.1	UG/L	U
OC134A04	O	C13	4	1	ZINC	N	4	2004	11.1	UG/L	U
OC141A04	O	C14	5	1	ZINC	N	1	2004	53.5	UG/L	
OC142A04	O	C14	5	1	ZINC	N	2	2004	249	UG/L	NJ
OC143A04	O	C14	5	1	ZINC	N	3	2004	37	UG/L	
OC144A04	O	C14	5	1	ZINC	N	4	2004	23	UG/L	J
OC151A04	O	C15	6	1	ZINC	N	1	2004	11.1	UG/L	U
FD02100401	O	C15	6	1	ZINC	N	1	2004	11.1	UG/L	U
OC152A04	O	C15	6	1	ZINC	N	2	2004	15	UG/L	NJ
FD05170401	O	C15	6	1	ZINC	N	2	2004	11.1	UG/L	UNJ
OC153A04	O	C15	6	1	ZINC	N	3	2004	11.1	UG/L	U
FD08170401	O	C15	6	1	ZINC	N	3	2004	11.2	UG/L	
OC154A04	O	C15	6	1	ZINC	N	4	2004	11.1	UG/L	U
FD11160401	O	C15	6	1	ZINC	N	4	2004	11.1	UG/L	U
OC161A04	O	C16	7	1	ZINC	N	1	2004	11.1	UG/L	U
FD02110401	O	C16	7	1	ZINC	N	1	2004	11.1	UG/L	U
OC162A04	O	C16	7	1	ZINC	N	2	2004	11.1	UG/L	UNJ

Table 7.25. Raw Data for Zinc. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
FD05030401	O	C16	7	1	ZINC	N	2	2004	11.1	UG/L	UNJ
OC163A04	O	C16	7	1	ZINC	N	3	2004	11.1	UG/L	U
OC164A04	O	C16	7	1	ZINC	N	4	2004	11.1	UG/L	U
FD11230402	O	C16	7	1	ZINC	N	4	2004	11.1	UG/L	U
OC181A04	O	C18	8	1	ZINC	N	1	2004	11.1	UG/L	U
OC182A04	O	C18	8	1	ZINC	N	2	2004	11.1	UG/L	UNJ
OC183A04	O	C18	8	1	ZINC	N	3	2004	11.1	UG/L	U
OC184A04	O	C18	8	1	ZINC	N	4	2004	11.1	UG/L	U
OC191A04	O	C19	9	1	ZINC	N	1	2004	11.1	UG/L	U
OC192A04	O	C19	9	1	ZINC	N	2	2004	11.1	UG/L	UNJ
OC193A04	O	C19	9	1	ZINC	N	3	2004	11.1	UG/L	U
FD09010401	O	C19	9	1	ZINC	N	3	2004	11.1	UG/L	U
OC194A04	O	C19	9	1	ZINC	N	4	2004	11.1	UG/L	U
OC081A04F	O	C08	1	1	ZINC	Y	1	2004	27.8	UG/L	
OC082A04F	O	C08	1	1	ZINC	Y	2	2004	118	UG/L	
OC083A04F	O	C08	1	1	ZINC	Y	3	2004	10	UG/L	U
OC084A04F	O	C08	1	1	ZINC	Y	4	2004	10	UG/L	UN
OC111A04F	O	C11	2	1	ZINC	Y	1	2004	10	UG/L	U
OC112A04F	O	C11	2	1	ZINC	Y	2	2004	10	UG/L	U
OC113A04F	O	C11	2	1	ZINC	Y	3	2004	10	UG/L	U
OC114A04F	O	C11	2	1	ZINC	Y	4	2004	10	UG/L	UN
OC121A04F	O	C12	3	1	ZINC	Y	1	2004	10	UG/L	U
OC122A04F	O	C12	3	1	ZINC	Y	2	2004	10	UG/L	U
OC123A04F	O	C12	3	1	ZINC	Y	3	2004	10	UG/L	U
OC124A04F	O	C12	3	1	ZINC	Y	4	2004	10	UG/L	UN
OC131A04F	O	C13	4	1	ZINC	Y	1	2004	10	UG/L	U
OC132A04F	O	C13	4	1	ZINC	Y	2	2004	17.5	UG/L	
OC133A04F	O	C13	4	1	ZINC	Y	3	2004	10	UG/L	U
OC134A04F	O	C13	4	1	ZINC	Y	4	2004	100	UG/L	UN
OC141A04F	O	C14	5	1	ZINC	Y	1	2004	10	UG/L	U
OC142A04F	O	C14	5	1	ZINC	Y	2	2004	10	UG/L	U
OC143A04F	O	C14	5	1	ZINC	Y	3	2004	10	UG/L	U
OC144A04F	O	C14	5	1	ZINC	Y	4	2004	10	UG/L	UN
OC151A04F	O	C15	6	1	ZINC	Y	1	2004	10	UG/L	U
FD02100401F	O	C15	6	1	ZINC	Y	1	2004	10	UG/L	U
OC152A04F	O	C15	6	1	ZINC	Y	2	2004	10	UG/L	U
FD05170401F	O	C15	6	1	ZINC	Y	2	2004	10	UG/L	U
OC153A04F	O	C15	6	1	ZINC	Y	3	2004	10	UG/L	U
FD08170401F	O	C15	6	1	ZINC	Y	3	2004	10	UG/L	U
OC154A04F	O	C15	6	1	ZINC	Y	4	2004	10	UG/L	UN
FD11160401F	O	C15	6	1	ZINC	Y	4	2004	10	UG/L	UN
OC161A04F	O	C16	7	1	ZINC	Y	1	2004	10	UG/L	U
FD02110401F	O	C16	7	1	ZINC	Y	1	2004	10	UG/L	U

Table 7.25. Raw Data for Zinc. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
OC162A04F	O	C16	7	1	ZINC	Y	2	2004	10	UG/L	U
FD05030401F	O	C16	7	1	ZINC	Y	2	2004	10	UG/L	U
OC163A04F	O	C16	7	1	ZINC	Y	3	2004	10	UG/L	U
OC164A04F	O	C16	7	1	ZINC	Y	4	2004	10	UG/L	UN
FD11230402F	O	C16	7	1	ZINC	Y	4	2004	10	UG/L	UN
OC181A04F	O	C18	8	1	ZINC	Y	1	2004	10	UG/L	U
OC182A04F	O	C18	8	1	ZINC	Y	2	2004	10	UG/L	U
OC183A04F	O	C18	8	1	ZINC	Y	3	2004	10	UG/L	U
OC184A04F	O	C18	8	1	ZINC	Y	4	2004	10	UG/L	UN
OC191A04F	O	C19	9	1	ZINC	Y	1	2004	10	UG/L	U
OC192A04F	O	C19	9	1	ZINC	Y	2	2004	10	UG/L	U
OC193A04F	O	C19	9	1	ZINC	Y	3	2004	47.6	UG/L	
FD09010401F	O	C19	9	1	ZINC	Y	3	2004	10	UG/L	U
OC194A04F	O	C19	9	1	ZINC	Y	4	2004	10	UG/L	UN
OC11P21A04	O	C11P2	1	2	ZINC	N	1	2004	11.1	UG/L	U
OC11P22A04	O	C11P2	1	2	ZINC	N	2	2004	11.1	UG/L	UNJ
OC11P23A04	O	C11P2	1	2	ZINC	N	3	2004	11.1	UG/L	U
OC11P24A04	O	C11P2	1	2	ZINC	N	4	2004	11.1	UG/L	U
OC13P21A04	O	C13P2	2	2	ZINC	N	1	2004	11.1	UG/L	U
OC13P22A04	O	C13P2	2	2	ZINC	N	2	2004	11.1	UG/L	UNJ
OC13P23A04	O	C13P2	2	2	ZINC	N	3	2004	11.1	UG/L	U
OC13P24A04	O	C13P2	2	2	ZINC	N	4	2004	11.1	UG/L	U
OC14P21A04	O	C14P2	3	2	ZINC	N	1	2004	11.1	UG/L	U
OC14P22A04	O	C14P2	3	2	ZINC	N	2	2004	11.1	UG/L	UNJ
OC14P23A04	O	C14P2	3	2	ZINC	N	3	2004	11.1	UG/L	U
OC14P24A04	O	C14P2	3	2	ZINC	N	4	2004	11.1	UG/L	U
OC18P21A04	O	C18P2	4	2	ZINC	N	1	2004	11.1	UG/L	U
OC18P22A04	O	C18P2	4	2	ZINC	N	2	2004	11.1	UG/L	UNJ
OC18P23A04	O	C18P2	4	2	ZINC	N	3	2004	53.3	UG/L	
OC18P24A04	O	C18P2	4	2	ZINC	N	4	2004	11.1	UG/L	U
OC19P21A04	O	C19P2	5	2	ZINC	N	1	2004	11.1	UG/L	U
OC19P22A04	O	C19P2	5	2	ZINC	N	2	2004	11.1	UG/L	UNJ
OC19P23A04	O	C19P2	5	2	ZINC	N	3	2004	11.1	UG/L	U
OC19P24A04	O	C19P2	5	2	ZINC	N	4	2004	11.1	UG/L	U
OC11P21A04F	O	C11P2	1	2	ZINC	Y	1	2004	10	UG/L	U
OC11P22A04F	O	C11P2	1	2	ZINC	Y	2	2004	10	UG/L	U
OC11P23A04F	O	C11P2	1	2	ZINC	Y	3	2004	10	UG/L	U
OC11P24A04F	O	C11P2	1	2	ZINC	Y	4	2004	10	UG/L	UN
OC13P21A04F	O	C13P2	2	2	ZINC	Y	1	2004	10	UG/L	U
OC13P22A04F	O	C13P2	2	2	ZINC	Y	2	2004	10	UG/L	U
OC13P23A04F	O	C13P2	2	2	ZINC	Y	3	2004	10	UG/L	U
OC13P24A04F	O	C13P2	2	2	ZINC	Y	4	2004	10	UG/L	UN
OC14P21A04F	O	C14P2	3	2	ZINC	Y	1	2004	10	UG/L	U

Table 7.25. Raw Data for Zinc. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
OC14P22A04F	O	C14P2	3	2	ZINC	Y	2	2004	10	UG/L	U
OC14P23A04F	O	C14P2	3	2	ZINC	Y	3	2004	10	UG/L	U
OC14P24A04F	O	C14P2	3	2	ZINC	Y	4	2004	10	UG/L	UN
OC18P21A04F	O	C18P2	4	2	ZINC	Y	1	2004	10	UG/L	U
OC18P22A04F	O	C18P2	4	2	ZINC	Y	2	2004	10	UG/L	U
OC18P23A04F	O	C18P2	4	2	ZINC	Y	3	2004	10	UG/L	U
OC18P24A04F	O	C18P2	4	2	ZINC	Y	4	2004	10	UG/L	UN
OC19P21A04F	O	C19P2	5	2	ZINC	Y	1	2004	10	UG/L	U
OC19P22A04F	O	C19P2	5	2	ZINC	Y	2	2004	10	UG/L	U
OC19P23A04F	O	C19P2	5	2	ZINC	Y	3	2004	2590	UG/L	
OC19P24A04F	O	C19P2	5	2	ZINC	Y	4	2004	10	UG/L	UN

Table 7.26. Raw Data for 1,2-Dichloroethane.

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC02P24A04	A	C02P2	1	1	1,2-DICHLOROETHANE	N	4	2004	0.3	UG/L	U
AC034A04	A	C03	2	1	1,2-DICHLOROETHANE	N	4	2004	0.3	UG/L	U
AC044A04	A	C04	3	1	1,2-DICHLOROETHANE	N	4	2004	0.3	UG/L	U
AC074A04	A	C07	4	1	1,2-DICHLOROETHANE	N	4	2004	0.3	UG/L	U
AC08P24A04	A	C08P2	5	1	1,2-DICHLOROETHANE	N	4	2004	0.3	UG/L	U
AC09P24A04	A	C09P2	6	1	1,2-DICHLOROETHANE	N	4	2004	7.6	UG/L	
FD12280402	A	C09P2	6	1	1,2-DICHLOROETHANE	N	4	2004	7.5	UG/L	
AC154A04	A	C15	7	1	1,2-DICHLOROETHANE	N	4	2004	0.3	UG/L	U
FD12160401	A	C15	7	1	1,2-DICHLOROETHANE	N	4	2004	0.3	UG/L	U
AC204A04	A	C20	9	1	1,2-DICHLOROETHANE	N	4	2004	0.3	UG/L	U
AC254A04	A	C25	10	1	1,2-DICHLOROETHANE	N	4	2004	0.3	UG/L	U
AC264A04	A	C26	11	1	1,2-DICHLOROETHANE	N	4	2004	0.3	UG/L	U
AC304A04	A	C30	13	1	1,2-DICHLOROETHANE	N	4	2004	0.3	UG/L	U
ASPA4A04	A	SPA	14	1	1,2-DICHLOROETHANE	N	4	2004	0.3	UG/L	U
ASPC4A04	A	SPC	15	1	1,2-DICHLOROETHANE	N	4	2004	0.3	UG/L	U
OC084A04	O	C08	1	1	1,2-DICHLOROETHANE	N	4	2004	0.3	UG/L	U
OC114A04	O	C11	2	1	1,2-DICHLOROETHANE	N	4	2004	0.3	UG/L	U
OC124A04	O	C12	3	1	1,2-DICHLOROETHANE	N	4	2004	0.3	UG/L	U
OC134A04	O	C13	4	1	1,2-DICHLOROETHANE	N	4	2004	0.3	UG/L	U
OC144A04	O	C14	5	1	1,2-DICHLOROETHANE	N	4	2004	0.3	UG/L	U
OC154A04	O	C15	6	1	1,2-DICHLOROETHANE	N	4	2004	0.3	UG/L	U
FD11160401	O	C15	6	1	1,2-DICHLOROETHANE	N	4	2004	0.3	UG/L	U
OC164A04	O	C16	7	1	1,2-DICHLOROETHANE	N	4	2004	0.3	UG/L	U
FD11230402	O	C16	7	1	1,2-DICHLOROETHANE	N	4	2004	0.3	UG/L	U
OC184A04	O	C18	8	1	1,2-DICHLOROETHANE	N	4	2004	0.3	UG/L	U
OC194A04	O	C19	9	1	1,2-DICHLOROETHANE	N	4	2004	0.3	UG/L	U
OC11P24A04	O	C11P2	1	2	1,2-DICHLOROETHANE	N	4	2004	0.3	UG/L	U
OC13P24A04	O	C13P2	2	2	1,2-DICHLOROETHANE	N	4	2004	0.3	UG/L	U
OC14P24A04	O	C14P2	3	2	1,2-DICHLOROETHANE	N	4	2004	0.3	UG/L	U
OC18P24A04	O	C18P2	4	2	1,2-DICHLOROETHANE	N	4	2004	0.3	UG/L	U
OC19P24A04	O	C19P2	5	2	1,2-DICHLOROETHANE	N	4	2004	0.3	UG/L	U

Table 7.27. Raw Data for Carbon Tetrachloride.

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC02P24A04	A	C02P2	1	1	CARBON TETRACHLORIDE	N	4	2004	0.3	UG/L	U
AC034A04	A	C03	2	1	CARBON TETRACHLORIDE	N	4	2004	0.3	UG/L	U
AC044A04	A	C04	3	1	CARBON TETRACHLORIDE	N	4	2004	0.3	UG/L	U
AC074A04	A	C07	4	1	CARBON TETRACHLORIDE	N	4	2004	0.3	UG/L	U
AC08P24A04	A	C08P2	5	1	CARBON TETRACHLORIDE	N	4	2004	0.3	UG/L	U
AC09P24A04	A	C09P2	6	1	CARBON TETRACHLORIDE	N	4	2004	0.6	UG/L	

Table 7.27. Raw Data for Carbon Tetrachloride. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
FD12280402	A	C09P2	6	1	CARBON TETRACHLORIDE	N	4	2004	0.6	UG/L	
AC154A04	A	C15	7	1	CARBON TETRACHLORIDE	N	4	2004	0.3	UG/L	U
FD12160401	A	C15	7	1	CARBON TETRACHLORIDE	N	4	2004	0.3	UG/L	U
AC204A04	A	C20	9	1	CARBON TETRACHLORIDE	N	4	2004	0.3	UG/L	U
AC254A04	A	C25	10	1	CARBON TETRACHLORIDE	N	4	2004	0.3	UG/L	U
AC264A04	A	C26	11	1	CARBON TETRACHLORIDE	N	4	2004	0.3	UG/L	U
AC304A04	A	C30	13	1	CARBON TETRACHLORIDE	N	4	2004	0.3	UG/L	U
ASPA4A04	A	SPA	14	1	CARBON TETRACHLORIDE	N	4	2004	0.3	UG/L	U
ASPC4A04	A	SPC	15	1	CARBON TETRACHLORIDE	N	4	2004	0.3	UG/L	U
OC084A04	O	C08	1	1	CARBON TETRACHLORIDE	N	4	2004	0.3	UG/L	U
OC114A04	O	C11	2	1	CARBON TETRACHLORIDE	N	4	2004	0.3	UG/L	U
OC124A04	O	C12	3	1	CARBON TETRACHLORIDE	N	4	2004	0.3	UG/L	U
OC134A04	O	C13	4	1	CARBON TETRACHLORIDE	N	4	2004	0.3	UG/L	U
OC144A04	O	C14	5	1	CARBON TETRACHLORIDE	N	4	2004	0.3	UG/L	U
OC154A04	O	C15	6	1	CARBON TETRACHLORIDE	N	4	2004	0.3	UG/L	U
FD11160401	O	C15	6	1	CARBON TETRACHLORIDE	N	4	2004	0.3	UG/L	U
OC164A04	O	C16	7	1	CARBON TETRACHLORIDE	N	4	2004	0.3	UG/L	U
FD11230402	O	C16	7	1	CARBON TETRACHLORIDE	N	4	2004	0.3	UG/L	U
OC184A04	O	C18	8	1	CARBON TETRACHLORIDE	N	4	2004	0.3	UG/L	U
OC194A04	O	C19	9	1	CARBON TETRACHLORIDE	N	4	2004	0.3	UG/L	U
OC11P24A04	O	C11P2	1	2	CARBON TETRACHLORIDE	N	4	2004	0.3	UG/L	U
OC13P24A04	O	C13P2	2	2	CARBON TETRACHLORIDE	N	4	2004	0.3	UG/L	U
OC14P24A04	O	C14P2	3	2	CARBON TETRACHLORIDE	N	4	2004	0.3	UG/L	U
OC18P24A04	O	C18P2	4	2	CARBON TETRACHLORIDE	N	4	2004	0.3	UG/L	U
OC19P24A04	O	C19P2	5	2	CARBON TETRACHLORIDE	N	4	2004	0.3	UG/L	U

Table 7.28. Raw Data for Chloroform.

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC02P24A04	A	C02P2	1	1	CHLOROFORM	N	4	2004	0.3	UG/L	U
AC034A04	A	C03	2	1	CHLOROFORM	N	4	2004	0.3	UG/L	U
AC044A04	A	C04	3	1	CHLOROFORM	N	4	2004	0.3	UG/L	U
AC074A04	A	C07	4	1	CHLOROFORM	N	4	2004	0.3	UG/L	U
AC08P24A04	A	C08P2	5	1	CHLOROFORM	N	4	2004	0.3	UG/L	U
AC09P24A04	A	C09P2	6	1	CHLOROFORM	N	4	2004	0.6	UG/L	
FD12280402	A	C09P2	6	1	CHLOROFORM	N	4	2004	0.6	UG/L	
AC154A04	A	C15	7	1	CHLOROFORM	N	4	2004	0.3	UG/L	U
FD12160401	A	C15	7	1	CHLOROFORM	N	4	2004	0.3	UG/L	U
AC204A04	A	C20	9	1	CHLOROFORM	N	4	2004	0.6	UG/L	
AC254A04	A	C25	10	1	CHLOROFORM	N	4	2004	0.3	UG/L	U
AC264A04	A	C26	11	1	CHLOROFORM	N	4	2004	0.3	UG/L	U
AC304A04	A	C30	13	1	CHLOROFORM	N	4	2004	0.3	UG/L	U
ASPA4A04	A	SPA	14	1	CHLOROFORM	N	4	2004	0.3	UG/L	U

Table 7.28. Raw Data for Chloroform. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
ASPC4A04	A	SPC	15	1	CHLOROFORM	N	4	2004	0.3	UG/L	U
OC084A04	O	C08	1	1	CHLOROFORM	N	4	2004	0.3	UG/L	U
OC114A04	O	C11	2	1	CHLOROFORM	N	4	2004	0.3	UG/L	U
OC124A04	O	C12	3	1	CHLOROFORM	N	4	2004	0.3	UG/L	U
OC134A04	O	C13	4	1	CHLOROFORM	N	4	2004	0.3	UG/L	U
OC144A04	O	C14	5	1	CHLOROFORM	N	4	2004	0.3	UG/L	U
OC154A04	O	C15	6	1	CHLOROFORM	N	4	2004	0.3	UG/L	U
FD11160401	O	C15	6	1	CHLOROFORM	N	4	2004	0.3	UG/L	U
OC164A04	O	C16	7	1	CHLOROFORM	N	4	2004	0.3	UG/L	U
FD11230402	O	C16	7	1	CHLOROFORM	N	4	2004	0.3	UG/L	U
OC184A04	O	C18	8	1	CHLOROFORM	N	4	2004	0.3	UG/L	U
OC194A04	O	C19	9	1	CHLOROFORM	N	4	2004	0.3	UG/L	U
OC11P24A04	O	C11P2	1	2	CHLOROFORM	N	4	2004	0.3	UG/L	U
OC13P24A04	O	C13P2	2	2	CHLOROFORM	N	4	2004	0.3	UG/L	U
OC14P24A04	O	C14P2	3	2	CHLOROFORM	N	4	2004	0.3	UG/L	U
OC18P24A04	O	C18P2	4	2	CHLOROFORM	N	4	2004	0.3	UG/L	U
OC19P24A04	O	C19P2	5	2	CHLOROFORM	N	4	2004	0.3	UG/L	U

Table 7.29. Raw Data for cis-1,2-Dichloroethene.

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC02P21A04	A	C02P2	1	1	CIS-1,2-DICHLOROETHENE	N	1	2004	0.5	UG/L	U
AC02P22A04	A	C02P2	1	1	CIS-1,2-DICHLOROETHENE	N	2	2004	0.5	UG/L	U
AC02P23A04	A	C02P2	1	1	CIS-1,2-DICHLOROETHENE	N	3	2004	0.5	UG/L	U
AC02P24A04	A	C02P2	1	1	CIS-1,2-DICHLOROETHENE	N	4	2004	0.5	UG/L	U
AC031A04	A	C03	2	1	CIS-1,2-DICHLOROETHENE	N	1	2004	0.5	UG/L	U
AC032A04	A	C03	2	1	CIS-1,2-DICHLOROETHENE	N	2	2004	0.5	UG/L	U
AC033A04	A	C03	2	1	CIS-1,2-DICHLOROETHENE	N	3	2004	0.5	UG/L	U
AC034A04	A	C03	2	1	CIS-1,2-DICHLOROETHENE	N	4	2004	0.5	UG/L	U
AC041A04	A	C04	3	1	CIS-1,2-DICHLOROETHENE	N	1	2004	0.5	UG/L	U
AC042A04	A	C04	3	1	CIS-1,2-DICHLOROETHENE	N	2	2004	0.5	UG/L	U
AC043A04	A	C04	3	1	CIS-1,2-DICHLOROETHENE	N	3	2004	0.5	UG/L	U
AC044A04	A	C04	3	1	CIS-1,2-DICHLOROETHENE	N	4	2004	0.5	UG/L	U
AC071A04	A	C07	4	1	CIS-1,2-DICHLOROETHENE	N	1	2004	0.5	UG/L	U
AC072A04	A	C07	4	1	CIS-1,2-DICHLOROETHENE	N	2	2004	0.5	UG/L	U
AC073A04	A	C07	4	1	CIS-1,2-DICHLOROETHENE	N	3	2004	0.5	UG/L	U
AC074A04	A	C07	4	1	CIS-1,2-DICHLOROETHENE	N	4	2004	0.5	UG/L	U
AC08P21A04	A	C08P2	5	1	CIS-1,2-DICHLOROETHENE	N	1	2004	16	UG/L	
AC08P22A04	A	C08P2	5	1	CIS-1,2-DICHLOROETHENE	N	2	2004	13	UG/L	
AC08P23A04	A	C08P2	5	1	CIS-1,2-DICHLOROETHENE	N	3	2004	15	UG/L	
AC08P24A04	A	C08P2	5	1	CIS-1,2-DICHLOROETHENE	N	4	2004	17	UG/L	
AC09P21A04	A	C09P2	6	1	CIS-1,2-DICHLOROETHENE	N	1	2004	0.5	UG/L	U
FD03080401	A	C09P2	6	1	CIS-1,2-DICHLOROETHENE	N	1	2004	0.5	UG/L	U
AC09P22A04	A	C09P2	6	1	CIS-1,2-DICHLOROETHENE	N	2	2004	0.5	UG/L	U

Table 7.29. Raw Data for cis-1,2-Dichloroethene. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC09P23A04	A	C09P2	6	1	CIS-1,2-DICHLOROETHENE	N	3	2004	0.5	UG/L	U
AC09P24A04	A	C09P2	6	1	CIS-1,2-DICHLOROETHENE	N	4	2004	0.5	UG/L	U
FD12280402	A	C09P2	6	1	CIS-1,2-DICHLOROETHENE	N	4	2004	0.5	UG/L	U
AC151A04	A	C15	7	1	CIS-1,2-DICHLOROETHENE	N	1	2004	0.5	UG/L	U
AC152A04	A	C15	7	1	CIS-1,2-DICHLOROETHENE	N	2	2004	0.5	UG/L	U
FD06210401	A	C15	7	1	CIS-1,2-DICHLOROETHENE	N	2	2004	0.5	UG/L	U
AC153A04	A	C15	7	1	CIS-1,2-DICHLOROETHENE	N	3	2004	0.5	UG/L	U
FD09200402	A	C15	7	1	CIS-1,2-DICHLOROETHENE	N	3	2004	0.5	UG/L	U
AC154A04	A	C15	7	1	CIS-1,2-DICHLOROETHENE	N	4	2004	0.5	UG/L	U
FD12160401	A	C15	7	1	CIS-1,2-DICHLOROETHENE	N	4	2004	0.5	UG/L	U
AC171A04	A	C17	8	1	CIS-1,2-DICHLOROETHENE	N	1	2004	0.5	UG/L	U
AC172A04	A	C17	8	1	CIS-1,2-DICHLOROETHENE	N	2	2004	0.5	UG/L	U
AC173A04	A	C17	8	1	CIS-1,2-DICHLOROETHENE	N	3	2004	0.5	UG/L	U
FD09200401	A	C17	8	1	CIS-1,2-DICHLOROETHENE	N	3	2004	0.5	UG/L	U
AC201A04	A	C20	9	1	CIS-1,2-DICHLOROETHENE	N	1	2004	85	UG/L	
AC202B04	A	C20	9	1	CIS-1,2-DICHLOROETHENE	N	2	2004	86	UG/L	
AC203A04	A	C20	9	1	CIS-1,2-DICHLOROETHENE	N	3	2004	100	UG/L	
AC204A04	A	C20	9	1	CIS-1,2-DICHLOROETHENE	N	4	2004	85	UG/L	
AC251A04	A	C25	10	1	CIS-1,2-DICHLOROETHENE	N	1	2004	0.5	UG/L	U
AC252A04	A	C25	10	1	CIS-1,2-DICHLOROETHENE	N	2	2004	0.5	UG/L	U
AC253A04	A	C25	10	1	CIS-1,2-DICHLOROETHENE	N	3	2004	0.5	UG/L	U
AC254A04	A	C25	10	1	CIS-1,2-DICHLOROETHENE	N	4	2004	0.5	UG/L	U
AC261A04	A	C26	11	1	CIS-1,2-DICHLOROETHENE	N	1	2004	0.5	UG/L	U
AC262A04	A	C26	11	1	CIS-1,2-DICHLOROETHENE	N	2	2004	0.5	UG/L	U
AC263A04	A	C26	11	1	CIS-1,2-DICHLOROETHENE	N	3	2004	0.5	UG/L	U
AC264A04	A	C26	11	1	CIS-1,2-DICHLOROETHENE	N	4	2004	0.5	UG/L	U
AC271A04	A	C27	12	1	CIS-1,2-DICHLOROETHENE	N	1	2004	0.5	UG/L	U
AC272A04	A	C27	12	1	CIS-1,2-DICHLOROETHENE	N	2	2004	0.5	UG/L	U
AC273A04	A	C27	12	1	CIS-1,2-DICHLOROETHENE	N	3	2004	0.5	UG/L	U
AC301A04	A	C30	13	1	CIS-1,2-DICHLOROETHENE	N	1	2004	0.5	UG/L	U
AC302A04	A	C30	13	1	CIS-1,2-DICHLOROETHENE	N	2	2004	0.5	UG/L	U
AC303A04	A	C30	13	1	CIS-1,2-DICHLOROETHENE	N	3	2004	0.5	UG/L	U
AC304A04	A	C30	13	1	CIS-1,2-DICHLOROETHENE	N	4	2004	0.5	UG/L	U
ASPA1A04	A	SPA	14	1	CIS-1,2-DICHLOROETHENE	N	1	2004	0.5	UG/L	U
ASPA2A04	A	SPA	14	1	CIS-1,2-DICHLOROETHENE	N	2	2004	0.5	UG/L	U
ASPA3A04	A	SPA	14	1	CIS-1,2-DICHLOROETHENE	N	3	2004	0.5	UG/L	U
ASPA4A04	A	SPA	14	1	CIS-1,2-DICHLOROETHENE	N	4	2004	0.5	UG/L	U
ASPC1A04	A	SPC	15	1	CIS-1,2-DICHLOROETHENE	N	1	2004	0.5	UG/L	U
FD03030401	A	SPC	15	1	CIS-1,2-DICHLOROETHENE	N	1	2004	0.5	UG/L	U
ASPC2A04	A	SPC	15	1	CIS-1,2-DICHLOROETHENE	N	2	2004	0.5	UG/L	U
FD06290401	A	SPC	15	1	CIS-1,2-DICHLOROETHENE	N	2	2004	0.5	UG/L	U
ASPC3A04	A	SPC	15	1	CIS-1,2-DICHLOROETHENE	N	3	2004	0.5	UG/L	U
ASPC4A04	A	SPC	15	1	CIS-1,2-DICHLOROETHENE	N	4	2004	0.5	UG/L	U
OC084A04	O	C08	1	1	CIS-1,2-DICHLOROETHENE	N	4	2004	0.5	UG/L	U

Table 7.29. Raw Data for cis-1,2-Dichloroethene. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
OC114A04	O	C11	2	1	CIS-1,2-DICHLOROETHENE	N	4	2004	0.5	UG/L	U
OC124A04	O	C12	3	1	CIS-1,2-DICHLOROETHENE	N	4	2004	0.5	UG/L	U
OC134A04	O	C13	4	1	CIS-1,2-DICHLOROETHENE	N	4	2004	0.5	UG/L	U
OC144A04	O	C14	5	1	CIS-1,2-DICHLOROETHENE	N	4	2004	0.5	UG/L	U
OC154A04	O	C15	6	1	CIS-1,2-DICHLOROETHENE	N	4	2004	0.5	UG/L	U
FD11160401	O	C15	6	1	CIS-1,2-DICHLOROETHENE	N	4	2004	0.5	UG/L	U
OC164A04	O	C16	7	1	CIS-1,2-DICHLOROETHENE	N	4	2004	0.5	UG/L	U
FD11230402	O	C16	7	1	CIS-1,2-DICHLOROETHENE	N	4	2004	0.5	UG/L	U
OC184A04	O	C18	8	1	CIS-1,2-DICHLOROETHENE	N	4	2004	0.5	UG/L	U
OC194A04	O	C19	9	1	CIS-1,2-DICHLOROETHENE	N	4	2004	0.5	UG/L	U
OC11P24A04	O	C11P2	1	2	CIS-1,2-DICHLOROETHENE	N	4	2004	0.5	UG/L	U
OC13P24A04	O	C13P2	2	2	CIS-1,2-DICHLOROETHENE	N	4	2004	0.5	UG/L	U
OC14P24A04	O	C14P2	3	2	CIS-1,2-DICHLOROETHENE	N	4	2004	0.5	UG/L	U
OC18P24A04	O	C18P2	4	2	CIS-1,2-DICHLOROETHENE	N	4	2004	0.5	UG/L	U
OC19P24A04	O	C19P2	5	2	CIS-1,2-DICHLOROETHENE	N	4	2004	0.5	UG/L	U

Table 7.30. Raw Data for Tetrachloroethene.

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC02P24A04	A	C02P2	1	1	TETRACHLOROETHENE	N	4	2004	0.5	UG/L	U
AC034A04	A	C03	2	1	TETRACHLOROETHENE	N	4	2004	0.5	UG/L	U
AC044A04	A	C04	3	1	TETRACHLOROETHENE	N	4	2004	0.5	UG/L	U
AC074A04	A	C07	4	1	TETRACHLOROETHENE	N	4	2004	0.5	UG/L	U
AC08P24A04	A	C08P2	5	1	TETRACHLOROETHENE	N	4	2004	0.5	UG/L	U
AC09P24A04	A	C09P2	6	1	TETRACHLOROETHENE	N	4	2004	0.5	UG/L	U
FD12280402	A	C09P2	6	1	TETRACHLOROETHENE	N	4	2004	0.5	UG/L	U
AC154A04	A	C15	7	1	TETRACHLOROETHENE	N	4	2004	0.5	UG/L	U
FD12160401	A	C15	7	1	TETRACHLOROETHENE	N	4	2004	0.5	UG/L	U
AC204A04	A	C20	9	1	TETRACHLOROETHENE	N	4	2004	0.8	UG/L	
AC254A04	A	C25	10	1	TETRACHLOROETHENE	N	4	2004	0.5	UG/L	U
AC264A04	A	C26	11	1	TETRACHLOROETHENE	N	4	2004	0.5	UG/L	U
AC304A04	A	C30	13	1	TETRACHLOROETHENE	N	4	2004	0.5	UG/L	U
ASPA4A04	A	SPA	14	1	TETRACHLOROETHENE	N	4	2004	0.5	UG/L	U
ASPC4A04	A	SPC	15	1	TETRACHLOROETHENE	N	4	2004	0.5	UG/L	U
OC084A04	O	C08	1	1	TETRACHLOROETHENE	N	4	2004	0.5	UG/L	U
OC114A04	O	C11	2	1	TETRACHLOROETHENE	N	4	2004	0.5	UG/L	U
OC124A04	O	C12	3	1	TETRACHLOROETHENE	N	4	2004	0.5	UG/L	U
OC134A04	O	C13	4	1	TETRACHLOROETHENE	N	4	2004	0.5	UG/L	U
OC144A04	O	C14	5	1	TETRACHLOROETHENE	N	4	2004	0.5	UG/L	U
OC154A04	O	C15	6	1	TETRACHLOROETHENE	N	4	2004	0.5	UG/L	U
FD11160401	O	C15	6	1	TETRACHLOROETHENE	N	4	2004	0.5	UG/L	U
OC164A04	O	C16	7	1	TETRACHLOROETHENE	N	4	2004	0.5	UG/L	U
FD11230402	O	C16	7	1	TETRACHLOROETHENE	N	4	2004	0.5	UG/L	U
OC184A04	O	C18	8	1	TETRACHLOROETHENE	N	4	2004	0.5	UG/L	U

Table 7.30. Raw Data for Tetrachloroethene. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
OC194A04	O	C19	9	1	TETRACHLOROETHENE	N	4	2004	0.5	UG/L	U
OC11P24A04	O	C11P2	1	2	TETRACHLOROETHENE	N	4	2004	0.5	UG/L	U
OC13P24A04	O	C13P2	2	2	TETRACHLOROETHENE	N	4	2004	0.5	UG/L	U
OC14P24A04	O	C14P2	3	2	TETRACHLOROETHENE	N	4	2004	0.5	UG/L	U
OC18P24A04	O	C18P2	4	2	TETRACHLOROETHENE	N	4	2004	0.5	UG/L	U
OC19P24A04	O	C19P2	5	2	TETRACHLOROETHENE	N	4	2004	0.5	UG/L	U

Table 7.31. Raw Data for trans-1,2-Dichloroethene.

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC02P21A04	A	C02P2	1	1	TRANS-1,2-DICHLOROETHENE	N	1	2004	0.5	UG/L	U
AC02P22A04	A	C02P2	1	1	TRANS-1,2-DICHLOROETHENE	N	2	2004	0.5	UG/L	U
AC02P23A04	A	C02P2	1	1	TRANS-1,2-DICHLOROETHENE	N	3	2004	0.5	UG/L	U
AC02P24A04	A	C02P2	1	1	TRANS-1,2-DICHLOROETHENE	N	4	2004	0.5	UG/L	U
AC031A04	A	C03	2	1	TRANS-1,2-DICHLOROETHENE	N	1	2004	0.5	UG/L	U
AC032A04	A	C03	2	1	TRANS-1,2-DICHLOROETHENE	N	2	2004	0.5	UG/L	U
AC033A04	A	C03	2	1	TRANS-1,2-DICHLOROETHENE	N	3	2004	0.5	UG/L	U
AC034A04	A	C03	2	1	TRANS-1,2-DICHLOROETHENE	N	4	2004	0.5	UG/L	U
AC041A04	A	C04	3	1	TRANS-1,2-DICHLOROETHENE	N	1	2004	0.5	UG/L	U
AC042A04	A	C04	3	1	TRANS-1,2-DICHLOROETHENE	N	2	2004	0.5	UG/L	U
AC043A04	A	C04	3	1	TRANS-1,2-DICHLOROETHENE	N	3	2004	0.5	UG/L	U
AC044A04	A	C04	3	1	TRANS-1,2-DICHLOROETHENE	N	4	2004	0.5	UG/L	U
AC071A04	A	C07	4	1	TRANS-1,2-DICHLOROETHENE	N	1	2004	0.5	UG/L	U
AC072A04	A	C07	4	1	TRANS-1,2-DICHLOROETHENE	N	2	2004	0.5	UG/L	U
AC073A04	A	C07	4	1	TRANS-1,2-DICHLOROETHENE	N	3	2004	0.5	UG/L	U
AC074A04	A	C07	4	1	TRANS-1,2-DICHLOROETHENE	N	4	2004	0.5	UG/L	U
AC08P21A04	A	C08P2	5	1	TRANS-1,2-DICHLOROETHENE	N	1	2004	0.5	UG/L	U
AC08P22A04	A	C08P2	5	1	TRANS-1,2-DICHLOROETHENE	N	2	2004	0.5	UG/L	U
AC08P23A04	A	C08P2	5	1	TRANS-1,2-DICHLOROETHENE	N	3	2004	0.5	UG/L	U
AC08P24A04	A	C08P2	5	1	TRANS-1,2-DICHLOROETHENE	N	4	2004	0.5	UG/L	U
AC09P21A04	A	C09P2	6	1	TRANS-1,2-DICHLOROETHENE	N	1	2004	0.5	UG/L	U
FD03080401	A	C09P2	6	1	TRANS-1,2-DICHLOROETHENE	N	1	2004	0.5	UG/L	U
AC09P22A04	A	C09P2	6	1	TRANS-1,2-DICHLOROETHENE	N	2	2004	0.5	UG/L	U
AC09P23A04	A	C09P2	6	1	TRANS-1,2-DICHLOROETHENE	N	3	2004	0.5	UG/L	U
AC09P24A04	A	C09P2	6	1	TRANS-1,2-DICHLOROETHENE	N	4	2004	0.5	UG/L	U
FD12280402	A	C09P2	6	1	TRANS-1,2-DICHLOROETHENE	N	4	2004	0.5	UG/L	U
AC151A04	A	C15	7	1	TRANS-1,2-DICHLOROETHENE	N	1	2004	0.5	UG/L	U
AC152A04	A	C15	7	1	TRANS-1,2-DICHLOROETHENE	N	2	2004	0.5	UG/L	U
FD06210401	A	C15	7	1	TRANS-1,2-DICHLOROETHENE	N	2	2004	0.5	UG/L	U
AC153A04	A	C15	7	1	TRANS-1,2-DICHLOROETHENE	N	3	2004	0.5	UG/L	U
FD09200402	A	C15	7	1	TRANS-1,2-DICHLOROETHENE	N	3	2004	0.5	UG/L	U
AC154A04	A	C15	7	1	TRANS-1,2-DICHLOROETHENE	N	4	2004	0.5	UG/L	U
FD12160401	A	C15	7	1	TRANS-1,2-DICHLOROETHENE	N	4	2004	0.5	UG/L	U
AC171A04	A	C17	8	1	TRANS-1,2-DICHLOROETHENE	N	1	2004	0.5	UG/L	U

Table 7.31. Raw Data for trans-1,2-Dichloroethene. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC172A04	A	C17	8	1	TRANS-1,2-DICHLOROETHENE	N	2	2004	0.5	UG/L	U
AC173A04	A	C17	8	1	TRANS-1,2-DICHLOROETHENE	N	3	2004	0.5	UG/L	U
FD09200401	A	C17	8	1	TRANS-1,2-DICHLOROETHENE	N	3	2004	0.5	UG/L	U
AC201A04	A	C20	9	1	TRANS-1,2-DICHLOROETHENE	N	1	2004	6	UG/L	
AC202B04	A	C20	9	1	TRANS-1,2-DICHLOROETHENE	N	2	2004	6	UG/L	
AC203A04	A	C20	9	1	TRANS-1,2-DICHLOROETHENE	N	3	2004	7	UG/L	
AC204A04	A	C20	9	1	TRANS-1,2-DICHLOROETHENE	N	4	2004	5.8	UG/L	
AC251A04	A	C25	10	1	TRANS-1,2-DICHLOROETHENE	N	1	2004	0.5	UG/L	U
AC252A04	A	C25	10	1	TRANS-1,2-DICHLOROETHENE	N	2	2004	0.5	UG/L	U
AC253A04	A	C25	10	1	TRANS-1,2-DICHLOROETHENE	N	3	2004	0.5	UG/L	U
AC254A04	A	C25	10	1	TRANS-1,2-DICHLOROETHENE	N	4	2004	0.5	UG/L	U
AC261A04	A	C26	11	1	TRANS-1,2-DICHLOROETHENE	N	1	2004	0.5	UG/L	U
AC262A04	A	C26	11	1	TRANS-1,2-DICHLOROETHENE	N	2	2004	0.5	UG/L	U
AC263A04	A	C26	11	1	TRANS-1,2-DICHLOROETHENE	N	3	2004	0.5	UG/L	U
AC264A04	A	C26	11	1	TRANS-1,2-DICHLOROETHENE	N	4	2004	0.5	UG/L	U
AC271A04	A	C27	12	1	TRANS-1,2-DICHLOROETHENE	N	1	2004	0.5	UG/L	U
AC272A04	A	C27	12	1	TRANS-1,2-DICHLOROETHENE	N	2	2004	0.5	UG/L	U
AC273A04	A	C27	12	1	TRANS-1,2-DICHLOROETHENE	N	3	2004	0.5	UG/L	U
AC301A04	A	C30	13	1	TRANS-1,2-DICHLOROETHENE	N	1	2004	0.5	UG/L	U
AC302A04	A	C30	13	1	TRANS-1,2-DICHLOROETHENE	N	2	2004	0.5	UG/L	U
AC303A04	A	C30	13	1	TRANS-1,2-DICHLOROETHENE	N	3	2004	0.5	UG/L	U
AC304A04	A	C30	13	1	TRANS-1,2-DICHLOROETHENE	N	4	2004	0.5	UG/L	U
ASPA1A04	A	SPA	14	1	TRANS-1,2-DICHLOROETHENE	N	1	2004	0.5	UG/L	U
ASPA2A04	A	SPA	14	1	TRANS-1,2-DICHLOROETHENE	N	2	2004	0.5	UG/L	U
ASPA3A04	A	SPA	14	1	TRANS-1,2-DICHLOROETHENE	N	3	2004	0.5	UG/L	U
ASPA4A04	A	SPA	14	1	TRANS-1,2-DICHLOROETHENE	N	4	2004	0.5	UG/L	U
ASPC1A04	A	SPC	15	1	TRANS-1,2-DICHLOROETHENE	N	1	2004	0.5	UG/L	U
FD03030401	A	SPC	15	1	TRANS-1,2-DICHLOROETHENE	N	1	2004	0.5	UG/L	U
ASPC2A04	A	SPC	15	1	TRANS-1,2-DICHLOROETHENE	N	2	2004	0.5	UG/L	U
FD06290401	A	SPC	15	1	TRANS-1,2-DICHLOROETHENE	N	2	2004	0.5	UG/L	U
ASPC3A04	A	SPC	15	1	TRANS-1,2-DICHLOROETHENE	N	3	2004	0.5	UG/L	U
ASPC4A04	A	SPC	15	1	TRANS-1,2-DICHLOROETHENE	N	4	2004	0.5	UG/L	U
OC084A04	O	C08	1	1	TRANS-1,2-DICHLOROETHENE	N	4	2004	0.5	UG/L	U
OC114A04	O	C11	2	1	TRANS-1,2-DICHLOROETHENE	N	4	2004	0.5	UG/L	U
OC124A04	O	C12	3	1	TRANS-1,2-DICHLOROETHENE	N	4	2004	0.5	UG/L	U
OC134A04	O	C13	4	1	TRANS-1,2-DICHLOROETHENE	N	4	2004	0.5	UG/L	U
OC144A04	O	C14	5	1	TRANS-1,2-DICHLOROETHENE	N	4	2004	0.5	UG/L	U
OC154A04	O	C15	6	1	TRANS-1,2-DICHLOROETHENE	N	4	2004	0.5	UG/L	U
FD11160401	O	C15	6	1	TRANS-1,2-DICHLOROETHENE	N	4	2004	0.5	UG/L	U
OC164A04	O	C16	7	1	TRANS-1,2-DICHLOROETHENE	N	4	2004	0.5	UG/L	U
FD11230402	O	C16	7	1	TRANS-1,2-DICHLOROETHENE	N	4	2004	0.5	UG/L	U
OC184A04	O	C18	8	1	TRANS-1,2-DICHLOROETHENE	N	4	2004	0.5	UG/L	U
OC194A04	O	C19	9	1	TRANS-1,2-DICHLOROETHENE	N	4	2004	0.5	UG/L	U
OC11P24A04	O	C11P2	1	2	TRANS-1,2-DICHLOROETHENE	N	4	2004	0.5	UG/L	U

Table 7.31. Raw Data for trans-1,2-Dichloroethene. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
OC13P24A04	O	C13P2	2	2	TRANS-1,2-DICHLOROETHENE	N	4	2004	0.5	UG/L	U
OC14P24A04	O	C14P2	3	2	TRANS-1,2-DICHLOROETHENE	N	4	2004	0.5	UG/L	U
OC18P24A04	O	C18P2	4	2	TRANS-1,2-DICHLOROETHENE	N	4	2004	0.5	UG/L	U
OC19P24A04	O	C19P2	5	2	TRANS-1,2-DICHLOROETHENE	N	4	2004	0.5	UG/L	U

Table 7.32. Raw Data for Trichloroethene.

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC02P21A04	A	C02P2	1	1	TRICHLOROETHENE	N	1	2004	15	UG/L	
AC02P22A04	A	C02P2	1	1	TRICHLOROETHENE	N	2	2004	4.2	UG/L	
AC02P23A04	A	C02P2	1	1	TRICHLOROETHENE	N	3	2004	9.1	UG/L	J
AC02P24A04	A	C02P2	1	1	TRICHLOROETHENE	N	4	2004	3.8	UG/L	
AC031A04	A	C03	2	1	TRICHLOROETHENE	N	1	2004	0.5	UG/L	U
AC032A04	A	C03	2	1	TRICHLOROETHENE	N	2	2004	0.5	UG/L	U
AC033A04	A	C03	2	1	TRICHLOROETHENE	N	3	2004	0.5	UG/L	UJ
AC034A04	A	C03	2	1	TRICHLOROETHENE	N	4	2004	0.5	UG/L	U
AC041A04	A	C04	3	1	TRICHLOROETHENE	N	1	2004	0.5	UG/L	U
AC042A04	A	C04	3	1	TRICHLOROETHENE	N	2	2004	0.5	UG/L	
AC043A04	A	C04	3	1	TRICHLOROETHENE	N	3	2004	0.5	UG/L	UJ
AC044A04	A	C04	3	1	TRICHLOROETHENE	N	4	2004	0.9	UG/L	
AC071A04	A	C07	4	1	TRICHLOROETHENE	N	1	2004	5.2	UG/L	
AC072A04	A	C07	4	1	TRICHLOROETHENE	N	2	2004	4.4	UG/L	
AC073A04	A	C07	4	1	TRICHLOROETHENE	N	3	2004	6.1	UG/L	J
AC074A04	A	C07	4	1	TRICHLOROETHENE	N	4	2004	6.2	UG/L	
AC08P21A04	A	C08P2	5	1	TRICHLOROETHENE	N	1	2004	54	UG/L	
AC08P22A04	A	C08P2	5	1	TRICHLOROETHENE	N	2	2004	53	UG/L	
AC08P23A04	A	C08P2	5	1	TRICHLOROETHENE	N	3	2004	47	UG/L	J
AC08P24A04	A	C08P2	5	1	TRICHLOROETHENE	N	4	2004	54	UG/L	
AC09P21A04DL	A	C09P2	6	1	TRICHLOROETHENE	N	1	2004	110	UG/L	D
FD03080401DL	A	C09P2	6	1	TRICHLOROETHENE	N	1	2004	110	UG/L	D
AC09P22A04	A	C09P2	6	1	TRICHLOROETHENE	N	2	2004	160	UG/L	
AC09P23A04	A	C09P2	6	1	TRICHLOROETHENE	N	3	2004	180	UG/L	J
AC09P24A04	A	C09P2	6	1	TRICHLOROETHENE	N	4	2004	180	UG/L	
FD12280402	A	C09P2	6	1	TRICHLOROETHENE	N	4	2004	170	UG/L	
AC151A04	A	C15	7	1	TRICHLOROETHENE	N	1	2004	0.5	UG/L	U
AC152A04	A	C15	7	1	TRICHLOROETHENE	N	2	2004	0.5	UG/L	U
FD06210401	A	C15	7	1	TRICHLOROETHENE	N	2	2004	0.5	UG/L	U
AC153A04	A	C15	7	1	TRICHLOROETHENE	N	3	2004	0.5	UG/L	UJ
FD09200402	A	C15	7	1	TRICHLOROETHENE	N	3	2004	0.5	UG/L	UJ
AC154A04	A	C15	7	1	TRICHLOROETHENE	N	4	2004	0.8	UG/L	
FD12160401	A	C15	7	1	TRICHLOROETHENE	N	4	2004	0.5	UG/L	U
AC171A04	A	C17	8	1	TRICHLOROETHENE	N	1	2004	0.5	UG/L	U
AC172A04	A	C17	8	1	TRICHLOROETHENE	N	2	2004	0.5	UG/L	U
AC173A04	A	C17	8	1	TRICHLOROETHENE	N	3	2004	0.5	UG/L	UJ

Table 7.32. Raw Data for Trichloroethene. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
FD09200401	A	C17	8	1	TRICHLOROETHENE	N	3	2004	0.5	UG/L	UJ
AC201A04DL	A	C20	9	1	TRICHLOROETHENE	N	1	2004	1400	UG/L	D
AC202B04DL	A	C20	9	1	TRICHLOROETHENE	N	2	2004	2000	UG/L	D
AC203A04DL	A	C20	9	1	TRICHLOROETHENE	N	3	2004	2400	UG/L	D
AC204A04DL	A	C20	9	1	TRICHLOROETHENE	N	4	2004	2100	UG/L	D
AC251A04	A	C25	10	1	TRICHLOROETHENE	N	1	2004	0.5	UG/L	U
AC252A04	A	C25	10	1	TRICHLOROETHENE	N	2	2004	0.5	UG/L	U
AC253A04	A	C25	10	1	TRICHLOROETHENE	N	3	2004	0.5	UG/L	UJ
AC254A04	A	C25	10	1	TRICHLOROETHENE	N	4	2004	0.5	UG/L	U
AC261A04	A	C26	11	1	TRICHLOROETHENE	N	1	2004	3.4	UG/L	
AC262A04	A	C26	11	1	TRICHLOROETHENE	N	2	2004	15	UG/L	
AC263A04	A	C26	11	1	TRICHLOROETHENE	N	3	2004	13	UG/L	J
AC264A04	A	C26	11	1	TRICHLOROETHENE	N	4	2004	13	UG/L	
AC271A04	A	C27	12	1	TRICHLOROETHENE	N	1	2004	3.5	UG/L	
AC272A04	A	C27	12	1	TRICHLOROETHENE	N	2	2004	2.8	UG/L	
AC273A04	A	C27	12	1	TRICHLOROETHENE	N	3	2004	2.8	UG/L	J
AC301A04	A	C30	13	1	TRICHLOROETHENE	N	1	2004	0.5	UG/L	U
AC302A04	A	C30	13	1	TRICHLOROETHENE	N	2	2004	0.5	UG/L	U
AC303A04	A	C30	13	1	TRICHLOROETHENE	N	3	2004	0.5	UG/L	UJ
AC304A04	A	C30	13	1	TRICHLOROETHENE	N	4	2004	0.5	UG/L	U
ASPA1A04	A	SPA	14	1	TRICHLOROETHENE	N	1	2004	0.5	UG/L	U
ASPA2A04	A	SPA	14	1	TRICHLOROETHENE	N	2	2004	0.5	UG/L	U
ASPA3A04	A	SPA	14	1	TRICHLOROETHENE	N	3	2004	0.5	UG/L	UJ
ASPA4A04	A	SPA	14	1	TRICHLOROETHENE	N	4	2004	0.5	UG/L	U
ASPC1A04	A	SPC	15	1	TRICHLOROETHENE	N	1	2004	0.5	UG/L	U
FD03030401	A	SPC	15	1	TRICHLOROETHENE	N	1	2004	0.5	UG/L	U
ASPC2A04	A	SPC	15	1	TRICHLOROETHENE	N	2	2004	0.5	UG/L	U
FD06290401	A	SPC	15	1	TRICHLOROETHENE	N	2	2004	0.5	UG/L	U
ASPC3A04	A	SPC	15	1	TRICHLOROETHENE	N	3	2004	0.5	UG/L	UJ
ASPC4A04	A	SPC	15	1	TRICHLOROETHENE	N	4	2004	0.5	UG/L	U
OC084A04	O	C08	1	1	TRICHLOROETHENE	N	4	2004	0.5	UG/L	U
OC114A04	O	C11	2	1	TRICHLOROETHENE	N	4	2004	0.5	UG/L	U
OC124A04	O	C12	3	1	TRICHLOROETHENE	N	4	2004	0.5	UG/L	U
OC134A04	O	C13	4	1	TRICHLOROETHENE	N	4	2004	0.5	UG/L	U
OC144A04	O	C14	5	1	TRICHLOROETHENE	N	4	2004	0.5	UG/L	U
OC154A04	O	C15	6	1	TRICHLOROETHENE	N	4	2004	0.5	UG/L	U
FD11160401	O	C15	6	1	TRICHLOROETHENE	N	4	2004	0.5	UG/L	U
OC164A04	O	C16	7	1	TRICHLOROETHENE	N	4	2004	0.5	UG/L	U
FD11230402	O	C16	7	1	TRICHLOROETHENE	N	4	2004	0.5	UG/L	U
OC184A04	O	C18	8	1	TRICHLOROETHENE	N	4	2004	0.5	UG/L	U
OC194A04	O	C19	9	1	TRICHLOROETHENE	N	4	2004	0.5	UG/L	U
OC11P24A04	O	C11P2	1	2	TRICHLOROETHENE	N	4	2004	0.5	UG/L	U
OC13P24A04	O	C13P2	2	2	TRICHLOROETHENE	N	4	2004	0.5	UG/L	U
OC14P24A04	O	C14P2	3	2	TRICHLOROETHENE	N	4	2004	0.5	UG/L	U

Table 7.32. Raw Data for Trichloroethene. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
OC18P24A04	O	C18P2	4	2	TRICHLOROETHENE	N	4	2004	0.5	UG/L	U
OC19P24A04	O	C19P2	5	2	TRICHLOROETHENE	N	4	2004	0.5	UG/L	U

Table 7.33. Raw Data for Ammonia.

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
OC081A04	O	C08	1	1	AMMONIA	N	1	2004	0.02	MG/L	J
OC082A04	O	C08	1	1	AMMONIA	N	2	2004	0.01	MG/L	UJ
OC083A04	O	C08	1	1	AMMONIA	N	3	2004	0.06	MG/L	
OC084A04	O	C08	1	1	AMMONIA	N	4	2004	0.26	MG/L	
OC111A04	O	C11	2	1	AMMONIA	N	1	2004	0.15	MG/L	J
OC112A04	O	C11	2	1	AMMONIA	N	2	2004	0.13	MG/L	J
OC113A04	O	C11	2	1	AMMONIA	N	3	2004	0.17	MG/L	J
OC114A04	O	C11	2	1	AMMONIA	N	4	2004	0.33	MG/L	
OC121A04	O	C12	3	1	AMMONIA	N	1	2004	0.22	MG/L	J
OC122A04	O	C12	3	1	AMMONIA	N	2	2004	0.05	MG/L	J
OC123A04	O	C12	3	1	AMMONIA	N	3	2004	0.13	MG/L	J
OC124A04	O	C12	3	1	AMMONIA	N	4	2004	0.18	MG/L	
OC131A04	O	C13	4	1	AMMONIA	N	1	2004	0.39	MG/L	J
OC132A04	O	C13	4	1	AMMONIA	N	2	2004	0.31	MG/L	
OC133A04	O	C13	4	1	AMMONIA	N	3	2004	0.3	MG/L	J
OC134A04	O	C13	4	1	AMMONIA	N	4	2004	0.4	MG/L	
OC141A04	O	C14	5	1	AMMONIA	N	1	2004	0.02	MG/L	J
OC142A04	O	C14	5	1	AMMONIA	N	2	2004	0.01	MG/L	UJ
OC143A04	O	C14	5	1	AMMONIA	N	3	2004	0.01	MG/L	U
OC144A04	O	C14	5	1	AMMONIA	N	4	2004	0.08	MG/L	
OC151A04	O	C15	6	1	AMMONIA	N	1	2004	0.01	MG/L	UJ
FD02100401	O	C15	6	1	AMMONIA	N	1	2004	0.01	MG/L	UJ
OC152A04	O	C15	6	1	AMMONIA	N	2	2004	0.01	MG/L	UJ
FD05170401	O	C15	6	1	AMMONIA	N	2	2004	0.01	MG/L	UJ
OC153A04	O	C15	6	1	AMMONIA	N	3	2004	0.01	MG/L	U
FD08170401	O	C15	6	1	AMMONIA	N	3	2004	0.07	MG/L	
OC154A04	O	C15	6	1	AMMONIA	N	4	2004	0.02	MG/L	U
FD11160401	O	C15	6	1	AMMONIA	N	4	2004	0.02	MG/L	U
OC161A04	O	C16	7	1	AMMONIA	N	1	2004	0.3	MG/L	J
FD02110401	O	C16	7	1	AMMONIA	N	1	2004	0.3	MG/L	J
OC162A04	O	C16	7	1	AMMONIA	N	2	2004	0.27	MG/L	J
FD05030401	O	C16	7	1	AMMONIA	N	2	2004	0.21	MG/L	J
OC163A04	O	C16	7	1	AMMONIA	N	3	2004	0.32	MG/L	
OC164A04	O	C16	7	1	AMMONIA	N	4	2004	0.4	MG/L	
FD11230402	O	C16	7	1	AMMONIA	N	4	2004	0.79	MG/L	
OC181A04	O	C18	8	1	AMMONIA	N	1	2004	0.23	MG/L	J
OC182A04	O	C18	8	1	AMMONIA	N	2	2004	0.09	MG/L	J
OC183A04	O	C18	8	1	AMMONIA	N	3	2004	0.15	MG/L	J
OC184A04	O	C18	8	1	AMMONIA	N	4	2004	0.23	MG/L	
OC191A04	O	C19	9	1	AMMONIA	N	1	2004	0.04	MG/L	J
OC192A04	O	C19	9	1	AMMONIA	N	2	2004	0.01	MG/L	UJ
OC193A04	O	C19	9	1	AMMONIA	N	3	2004	0.05	MG/L	

Table 7.33. Raw Data for Ammonia. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
FD09010401	O	C19	9	1	AMMONIA	N	3	2004	0.05	MG/L	
OC194A04	O	C19	9	1	AMMONIA	N	4	2004	0.1	MG/L	
OC11P21A04	O	C11P2	1	2	AMMONIA	N	1	2004	0.02	MG/L	J
OC11P22A04	O	C11P2	1	2	AMMONIA	N	2	2004	0.07	MG/L	
OC11P23A04	O	C11P2	1	2	AMMONIA	N	3	2004	1.8	MG/L	J
OC11P24A04	O	C11P2	1	2	AMMONIA	N	4	2004	0.02	MG/L	U
OC13P21A04	O	C13P2	2	2	AMMONIA	N	1	2004	0.38	MG/L	J
OC13P22A04	O	C13P2	2	2	AMMONIA	N	2	2004	0.32	MG/L	
OC13P23A04	O	C13P2	2	2	AMMONIA	N	3	2004	0.29	MG/L	J
OC13P24A04	O	C13P2	2	2	AMMONIA	N	4	2004	0.34	MG/L	
OC14P21A04	O	C14P2	3	2	AMMONIA	N	1	2004	0.01	MG/L	UJ
OC14P22A04	O	C14P2	3	2	AMMONIA	N	2	2004	0.03	MG/L	
OC14P23A04	O	C14P2	3	2	AMMONIA	N	3	2004	0.01	MG/L	U
OC14P24A04	O	C14P2	3	2	AMMONIA	N	4	2004	0.02	MG/L	U
OC18P21A04	O	C18P2	4	2	AMMONIA	N	1	2004	1.1	MG/L	J
OC18P22A04	O	C18P2	4	2	AMMONIA	N	2	2004	0.86	MG/L	J
OC18P23A04	O	C18P2	4	2	AMMONIA	N	3	2004	0.98	MG/L	
OC18P24A04	O	C18P2	4	2	AMMONIA	N	4	2004	1.1	MG/L	
OC19P21A04	O	C19P2	5	2	AMMONIA	N	1	2004	0.12	MG/L	J
OC19P22A04	O	C19P2	5	2	AMMONIA	N	2	2004	0.02	MG/L	J
OC19P23A04	O	C19P2	5	2	AMMONIA	N	3	2004	0.08	MG/L	
OC19P24A04	O	C19P2	5	2	AMMONIA	N	4	2004	0.1	MG/L	

Table 7.34. Raw Data for Chloride.

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC02P21A04	A	C02P2	1	1	CHLORIDE	N	1	2004	27	MG/L	
AC02P22A04	A	C02P2	1	1	CHLORIDE	N	2	2004	90	MG/L	
AC02P23A04	A	C02P2	1	1	CHLORIDE	N	3	2004	95	MG/L	J
AC02P24A04	A	C02P2	1	1	CHLORIDE	N	4	2004	30	MG/L	
AC031A04	A	C03	2	1	CHLORIDE	N	1	2004	1	MG/L	
AC032A04	A	C03	2	1	CHLORIDE	N	2	2004	1	MG/L	
AC033A04	A	C03	2	1	CHLORIDE	N	3	2004	1	MG/L	J
AC034A04	A	C03	2	1	CHLORIDE	N	4	2004	1	MG/L	
AC041A04	A	C04	3	1	CHLORIDE	N	1	2004	8	MG/L	
AC042A04	A	C04	3	1	CHLORIDE	N	2	2004	7	MG/L	
AC043A04	A	C04	3	1	CHLORIDE	N	3	2004	7	MG/L	
AC044A04	A	C04	3	1	CHLORIDE	N	4	2004	7	MG/L	
AC071A04	A	C07	4	1	CHLORIDE	N	1	2004	9	MG/L	
AC072A04	A	C07	4	1	CHLORIDE	N	2	2004	8	MG/L	
AC073A04	A	C07	4	1	CHLORIDE	N	3	2004	8	MG/L	
AC074A04	A	C07	4	1	CHLORIDE	N	4	2004	8	MG/L	
AC08P21A04	A	C08P2	5	1	CHLORIDE	N	1	2004	11	MG/L	
AC08P22A04	A	C08P2	5	1	CHLORIDE	N	2	2004	12	MG/L	

Table 7.34. Raw Data for Chloride. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC08P23A04	A	C08P2	5	1	CHLORIDE	N	3	2004	10	MG/L	
AC08P24A04	A	C08P2	5	1	CHLORIDE	N	4	2004	10	MG/L	J
AC09P21A04	A	C09P2	6	1	CHLORIDE	N	1	2004	5	MG/L	
FD03080401	A	C09P2	6	1	CHLORIDE	N	1	2004	5	MG/L	
AC09P22A04	A	C09P2	6	1	CHLORIDE	N	2	2004	5	MG/L	
AC09P23A04	A	C09P2	6	1	CHLORIDE	N	3	2004	5	MG/L	J
AC09P24A04	A	C09P2	6	1	CHLORIDE	N	4	2004	5	MG/L	
FD12290402	A	C09P2	6	1	CHLORIDE	N	4	2004	5	MG/L	
AC151A04	A	C15	7	1	CHLORIDE	N	1	2004	6	MG/L	
AC152A04	A	C15	7	1	CHLORIDE	N	2	2004	6	MG/L	
FD06210401	A	C15	7	1	CHLORIDE	N	2	2004	6	MG/L	
AC153A04	A	C15	7	1	CHLORIDE	N	3	2004	6	MG/L	
FD09200402	A	C15	7	1	CHLORIDE	N	3	2004	6	MG/L	
AC154A04	A	C15	7	1	CHLORIDE	N	4	2004	6	MG/L	
FD12160401	A	C15	7	1	CHLORIDE	N	4	2004	6	MG/L	
AC171A04	A	C17	8	1	CHLORIDE	N	1	2004	4	MG/L	
AC172A04	A	C17	8	1	CHLORIDE	N	2	2004	3	MG/L	
AC173A04	A	C17	8	1	CHLORIDE	N	3	2004	3	MG/L	
FD09200401	A	C17	8	1	CHLORIDE	N	3	2004	3	MG/L	
AC201A04	A	C20	9	17	CHLORIDE	N	1	2004	6	MG/L	
AC202B04	A	C20	9	1	CHLORIDE	N	2	2004	6	MG/L	
AC203A04	A	C20	9	1	CHLORIDE	N	3	2004	6	MG/L	J
AC204A04	A	C20	9	1	CHLORIDE	N	4	2004	6	MG/L	J
AC251A04	A	C25	10	1	CHLORIDE	N	1	2004	2	MG/L	
AC252A04	A	C25	10	1	CHLORIDE	N	2	2004	2	MG/L	
AC253A04	A	C25	10	1	CHLORIDE	N	3	2004	2	MG/L	J
AC254A04	A	C25	10	1	CHLORIDE	N	4	2004	2	MG/L	J
AC261A04	A	C26	11	1	CHLORIDE	N	1	2004	4	MG/L	
AC262A04	A	C26	11	1	CHLORIDE	N	2	2004	4	MG/L	
AC263A04	A	C26	11	1	CHLORIDE	N	3	2004	3	MG/L	
AC264A04	A	C26	11	1	CHLORIDE	N	4	2004	4	MG/L	J
AC271A04	A	C27	12	1	CHLORIDE	N	1	2004	3	MG/L	
AC272A04	A	C27	12	1	CHLORIDE	N	2	2004	3	MG/L	
AC273A04	A	C27	12	1	CHLORIDE	N	3	2004	3	MG/L	
AC301A04	A	C30	13	1	CHLORIDE	N	1	2004	2	MG/L	
AC302A04	A	C30	13	1	CHLORIDE	N	2	2004	2	MG/L	
AC303A04	A	C30	13	1	CHLORIDE	N	3	2004	1	MG/L	
AC304A04	A	C30	13	1	CHLORIDE	N	4	2004	2	MG/L	
ASPA1A04	A	SPA	14	1	CHLORIDE	N	1	2004	4	MG/L	
ASPA2A04	A	SPA	14	1	CHLORIDE	N	2	2004	6	MG/L	
ASPA3A04	A	SPA	14	1	CHLORIDE	N	3	2004	12	MG/L	
ASPA4A04	A	SPA	14	1	CHLORIDE	N	4	2004	4	MG/L	
ASPC1A04	A	SPC	15	1	CHLORIDE	N	1	2004	4	MG/L	
FD03030401	A	SPC	15	1	CHLORIDE	N	1	2004	4	MG/L	

Table 7.34. Raw Data for Chloride. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
ASPC2A04	A	SPC	15	1	CHLORIDE	N	2	2004	4	MG/L	
FD06290401	A	SPC	15	1	CHLORIDE	N	2	2004	4	MG/L	
ASPC3A04	A	SPC	15	1	CHLORIDE	N	3	2004	5	MG/L	
ASPC4A04	A	SPC	15	1	CHLORIDE	N	4	2004	3	MG/L	

Table 7.35. Raw Data for Sulfate.

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC02P21A04	A	C02P2	1	1	SULFATE	N	1	2004	36	MG/L	J
AC02P22A04	A	C02P2	1	1	SULFATE	N	2	2004	66	MG/L	
AC02P23A04	A	C02P2	1	1	SULFATE	N	3	2004	67	MG/L	
AC02P24A04	A	C02P2	1	1	SULFATE	N	4	2004	43	MG/L	
AC031A04	A	C03	2	1	SULFATE	N	1	2004	87	MG/L	J
AC032A04	A	C03	2	1	SULFATE	N	2	2004	85	MG/L	
AC033A04	A	C03	2	1	SULFATE	N	3	2004	84	MG/L	J
AC034A04	A	C03	2	1	SULFATE	N	4	2004	84	MG/L	
AC041A04	A	C04	3	1	SULFATE	N	1	2004	980	MG/L	J
AC042A04	A	C04	3	1	SULFATE	N	2	2004	780	MG/L	
AC043A04	A	C04	3	1	SULFATE	N	3	2004	710	MG/L	J
AC044A04	A	C04	3	1	SULFATE	N	4	2004	710	MG/L	
AC071A04	A	C07	4	1	SULFATE	N	1	2004	96	MG/L	
AC072A04	A	C07	4	1	SULFATE	N	2	2004	93	MG/L	
AC073A04	A	C07	4	1	SULFATE	N	3	2004	75	MG/L	J
AC074A04	A	C07	4	1	SULFATE	N	4	2004	99	MG/L	
AC08P21A04	A	C08P2	5	1	SULFATE	N	1	2004	140	MG/L	
AC08P22A04	A	C08P2	5	1	SULFATE	N	2	2004	130	MG/L	
AC08P23A04	A	C08P2	5	1	SULFATE	N	3	2004	140	MG/L	J
AC08P24A04	A	C08P2	5	1	SULFATE	N	4	2004	130	MG/L	J
AC09P21A04	A	C09P2	6	1	SULFATE	N	1	2004	50	MG/L	J
FD03080401	A	C09P2	6	1	SULFATE	N	1	2004	52	MG/L	J
AC09P22A04	A	C09P2	6	1	SULFATE	N	2	2004	53	MG/L	
AC09P23A04	A	C09P2	6	1	SULFATE	N	3	2004	40	MG/L	J
AC09P24A04	A	C09P2	6	1	SULFATE	N	4	2004	45	MG/L	
FD12290402	A	C09P2	6	1	SULFATE	N	4	2004	46	MG/L	
AC151A04	A	C15	7	1	SULFATE	N	1	2004	90	MG/L	J
AC152A04	A	C15	7	1	SULFATE	N	2	2004	84	MG/L	
FD06210401	A	C15	7	1	SULFATE	N	2	2004	84	MG/L	
AC153A04	A	C15	7	1	SULFATE	N	3	2004	84	MG/L	J
FD09200402	A	C15	7	1	SULFATE	N	3	2004	89	MG/L	J
AC154A04	A	C15	7	1	SULFATE	N	4	2004	78	MG/L	J
FD12160401	A	C15	7	1	SULFATE	N	4	2004	88	MG/L	J
AC171A04	A	C17	8	1	SULFATE	N	1	2004	1000	MG/L	
AC172A04	A	C17	8	1	SULFATE	N	2	2004	960	MG/L	
AC173A04	A	C17	8	1	SULFATE	N	3	2004	620	MG/L	J

Table 7.35. Raw Data for Sulfate. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
FD09200401	A	C17	8	1	SULFATE	N	3	2004	930	MG/L	J
AC201A04	A	C20	9	1	SULFATE	N	1	2004	130	MG/L	J
AC202B04	A	C20	9	1	SULFATE	N	2	2004	120	MG/L	
AC203A04	A	C20	9	1	SULFATE	N	3	2004	130	MG/L	
AC204A04	A	C20	9	1	SULFATE	N	4	2004	120	MG/L	J
AC251A04	A	C25	10	1	SULFATE	N	1	2004	240	MG/L	J
AC252A04	A	C25	10	1	SULFATE	N	2	2004	250	MG/L	
AC253A04	A	C25	10	1	SULFATE	N	3	2004	250	MG/L	J
AC254A04	A	C25	10	1	SULFATE	N	4	2004	230	MG/L	
AC261A04	A	C26	11	1	SULFATE	N	1	2004	110	MG/L	J
AC262A04	A	C26	11	1	SULFATE	N	2	2004	110	MG/L	
AC263A04	A	C26	11	1	SULFATE	N	3	2004	93	MG/L	J
AC264A04	A	C26	11	1	SULFATE	N	4	2004	94	MG/L	J
AC271A04	A	C27	12	1	SULFATE	N	1	2004	9	MG/L	J
AC272A04	A	C27	12	1	SULFATE	N	2	2004	9	MG/L	
AC273A04	A	C27	12	1	SULFATE	N	3	2004	9	MG/L	J
AC301A04	A	C30	13	1	SULFATE	N	1	2004	120	MG/L	
AC302A04	A	C30	13	1	SULFATE	N	2	2004	110	MG/L	
AC303A04	A	C30	13	1	SULFATE	N	3	2004	100	MG/L	J
AC304A04	A	C30	13	1	SULFATE	N	4	2004	120	MG/L	
ASPA1A04	A	SPA	14	1	SULFATE	N	1	2004	42	MG/L	
ASPA2A04	A	SPA	14	1	SULFATE	N	2	2004	40	MG/L	
ASPA3A04	A	SPA	14	1	SULFATE	N	3	2004	55	MG/L	J
ASPA4A04	A	SPA	14	1	SULFATE	N	4	2004	36	MG/L	
ASPC1A04	A	SPC	15	1	SULFATE	N	1	2004	28	MG/L	J
FD03030401	A	SPC	15	1	SULFATE	N	1	2004	24	MG/L	J
ASPC2A04	A	SPC	15	1	SULFATE	N	2	2004	33	MG/L	
FD06290401	A	SPC	15	1	SULFATE	N	2	2004	33	MG/L	
ASPC3A04	A	SPC	15	1	SULFATE	N	3	2004	45	MG/L	J
ASPC4A04	A	SPC	15	1	SULFATE	N	4	2004	28	MG/L	

Table 7.36. Raw Data for Total Phosphorus (Filtered).

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC02P21A04F	A	C02P2	1	1	TOTAL PHOSPHORUS AS P	Y	1	2004	0.1	MG/L	UJ
AC02P22A04F	A	C02P2	1	1	TOTAL PHOSPHORUS AS P	Y	2	2004	0.1	MG/L	U
AC02P23A04F	A	C02P2	1	1	TOTAL PHOSPHORUS AS P	Y	3	2004	0.02	MG/L	
AC02P24A04F	A	C02P2	1	1	TOTAL PHOSPHORUS AS P	Y	4	2004	0.02	MG/L	
AC031A04F	A	C03	2	1	TOTAL PHOSPHORUS AS P	Y	1	2004	0.1	MG/L	UJ
AC032A04F	A	C03	2	1	TOTAL PHOSPHORUS AS P	Y	2	2004	0.1	MG/L	U
AC033A04F	A	C03	2	1	TOTAL PHOSPHORUS AS P	Y	3	2004	0.02	MG/L	
AC034A04F	A	C03	2	1	TOTAL PHOSPHORUS AS P	Y	4	2004	0.02	MG/L	U
AC041A04F	A	C04	3	1	TOTAL PHOSPHORUS AS P	Y	1	2004	0.1	MG/L	UJ
AC042A04F	A	C04	3	1	TOTAL PHOSPHORUS AS P	Y	2	2004	0.1	MG/L	U

Table 7.36. Raw Data for Total Phosphorus (Filtered). (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC043A04F	A	C04	3	1	TOTAL PHOSPHORUS AS P	Y	3	2004	0.02	MG/L	U
AC044A04F	A	C04	3	1	TOTAL PHOSPHORUS AS P	Y	4	2004	0.02	MG/L	U
AC071A04F	A	C07	4	1	TOTAL PHOSPHORUS AS P	Y	1	2004	0.1	MG/L	UJ
AC072A04F	A	C07	4	1	TOTAL PHOSPHORUS AS P	Y	2	2004	0.1	MG/L	U
AC073A04F	A	C07	4	1	TOTAL PHOSPHORUS AS P	Y	3	2004	0.02	MG/L	U
AC074A04F	A	C07	1	1	TOTAL PHOSPHORUS AS P	Y	4	2004	0.04	MG/L	
AC08P21A04F	A	C08P2	5	1	TOTAL PHOSPHORUS AS P	Y	1	2004	0.1	MG/L	UJ
AC08P22A04F	A	C08P2	5	1	TOTAL PHOSPHORUS AS P	Y	2	2004	0.1	MG/L	U
AC08P23A04F	A	C08P2	5	1	TOTAL PHOSPHORUS AS P	Y	3	2004	0.03	MG/L	
AC08P24A04F	A	C08P2	5	1	TOTAL PHOSPHORUS AS P	Y	4	2004	0.02	MG/L	U
AC09P21A04F	A	C09P2	6	1	TOTAL PHOSPHORUS AS P	Y	1	2004	0.1	MG/L	UJ
FD03080401F	A	C09P2	6	1	TOTAL PHOSPHORUS AS P	Y	1	2004	0.1	MG/L	UJ
AC09P22A04F	A	C09P2	6	1	TOTAL PHOSPHORUS AS P	Y	2	2004	0.2	MG/L	
AC09P23A04F	A	C09P2	6	1	TOTAL PHOSPHORUS AS P	Y	3	2004	0.03	MG/L	
AC09P24A04F	A	C09P2	6	1	TOTAL PHOSPHORUS AS P	Y	4	2004	0.04	MG/L	
FD12290402F	A	C09P2	6	1	TOTAL PHOSPHORUS AS P	Y	4	2004	0.04	MG/L	
AC151A04F	A	C15	7	1	TOTAL PHOSPHORUS AS P	Y	1	2004	0.1	MG/L	U
AC152A04F	A	C15	7	1	TOTAL PHOSPHORUS AS P	Y	2	2004	0.1	MG/L	U
FD06210401F	A	C15	7	1	TOTAL PHOSPHORUS AS P	Y	2	2004	0.1	MG/L	U
AC153A04F	A	C15	7	1	TOTAL PHOSPHORUS AS P	Y	3	2004	0.02	MG/L	U
FD09200402F	A	C15	7	1	TOTAL PHOSPHORUS AS P	Y	3	2004	0.02	MG/L	U
AC154A04F	A	C15	7	1	TOTAL PHOSPHORUS AS P	Y	4	2004	0.02	MG/L	U
FD12160401F	A	C15	7	1	TOTAL PHOSPHORUS AS P	Y	4	2004	0.02	MG/L	U
AC171A04F	A	C17	8	1	TOTAL PHOSPHORUS AS P	Y	1	2004	0.1	MG/L	UJ
AC172A04F	A	C17	8	1	TOTAL PHOSPHORUS AS P	Y	2	2004	0.1	MG/L	U
AC173A04F	A	C17	8	1	TOTAL PHOSPHORUS AS P	Y	3	2004	0.02	MG/L	U
FD09200401F	A	C17	8	1	TOTAL PHOSPHORUS AS P	Y	3	2004	0.02	MG/L	U
AC201A04F	A	C20	9	1	TOTAL PHOSPHORUS AS P	Y	1	2004	0.1	MG/L	UJ
AC202B04F	A	C20	9	1	TOTAL PHOSPHORUS AS P	Y	2	2004	0.1	MG/L	U
AC203A04F	A	C20	9	1	TOTAL PHOSPHORUS AS P	Y	3	2004	0.02	MG/L	U
AC204A04F	A	C20	9	1	TOTAL PHOSPHORUS AS P	Y	4	2004	0.02	MG/L	U
AC251A04F	A	C25	10	1	TOTAL PHOSPHORUS AS P	Y	1	2004	0.1	MG/L	UJ
AC252A04F	A	C25	10	1	TOTAL PHOSPHORUS AS P	Y	2	2004	0.1	MG/L	U
AC253A04F	A	C25	10	1	TOTAL PHOSPHORUS AS P	Y	3	2004	0.02	MG/L	U
AC254A04F	A	C25	10	1	TOTAL PHOSPHORUS AS P	Y	4	2004	0.02	MG/L	U
AC261A04F	A	C26	11	1	TOTAL PHOSPHORUS AS P	Y	1	2004	0.1	MG/L	UJ
AC262A04F	A	C26	11	1	TOTAL PHOSPHORUS AS P	Y	2	2004	0.1	MG/L	U
AC263A04F	A	C26	11	1	TOTAL PHOSPHORUS AS P	Y	3	2004	0.02	MG/L	U
AC264A04F	A	C26	11	1	TOTAL PHOSPHORUS AS P	Y	4	2004	0.02	MG/L	U
AC271A04F	A	C27	12	1	TOTAL PHOSPHORUS AS P	Y	1	2004	0.1	MG/L	UJ
AC272A04F	A	C27	12	1	TOTAL PHOSPHORUS AS P	Y	2	2004	0.1	MG/L	U
AC273A04F	A	C27	12	1	TOTAL PHOSPHORUS AS P	Y	3	2004	0.04	MG/L	
AC301A04F	A	C30	13	1	TOTAL PHOSPHORUS AS P	Y	1	2004	0.1	MG/L	UJ
AC302A04F	A	C30	13	1	TOTAL PHOSPHORUS AS P	Y	2	2004	0.1	MG/L	U

Table 7.36. Raw Data for Total Phosphorus (Filtered). (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC303A04F	A	C30	13	1	TOTAL PHOSPHORUS AS P	Y	3	2004	0.06	MG/L	
AC304A04F	A	C30	13	1	TOTAL PHOSPHORUS AS P	Y	4	2004	0.02	MG/L	U
ASPA1A04F	A	SPA	14	1	TOTAL PHOSPHORUS AS P	Y	1	2004	0.1	MG/L	U
ASPA2A04F	A	SPA	14	1	TOTAL PHOSPHORUS AS P	Y	2	2004	0.1	MG/L	U
ASPA3A04F	A	SPA	14	1	TOTAL PHOSPHORUS AS P	Y	3	2004	0.03	MG/L	
ASPA4A04F	A	SPA	14	1	TOTAL PHOSPHORUS AS P	Y	4	2004	0.02	MG/L	
ASPC1A04F	A	SPC	15	1	TOTAL PHOSPHORUS AS P	Y	1	2004	0.1	MG/L	UJ
FD03030401F	A	SPC	15	1	TOTAL PHOSPHORUS AS P	Y	1	2004	0.1	MG/L	UJ
ASPC2A04F	A	SPC	15	1	TOTAL PHOSPHORUS AS P	Y	2	2004	0.1	MG/L	U
FD06290401F	A	SPC	15	1	TOTAL PHOSPHORUS AS P	Y	2	2004	0.1	MG/L	U
ASPC3A04F	A	SPC	15	1	TOTAL PHOSPHORUS AS P	Y	3	2004	0.02	MG/L	U
ASPC4A04F	A	SPC	15	1	TOTAL PHOSPHORUS AS P	Y	4	2004	0.02	MG/L	

Table 7.37. Raw Data for Total Phosphorus.

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC02P21A04	A	C02P2	1	1	TOTAL PHOSPHORUS AS P	N	1	2004	0.1	MG/L	UJ
AC02P22A04	A	C02P2	1	1	TOTAL PHOSPHORUS AS P	N	2	2004	0.1	MG/L	U
AC02P23A04	A	C02P2	1	1	TOTAL PHOSPHORUS AS P	N	3	2004	0.02	MG/L	
AC02P24A04	A	C02P2	1	1	TOTAL PHOSPHORUS AS P	N	4	2004	0.02	MG/L	U
AC031A04	A	C03	2	1	TOTAL PHOSPHORUS AS P	N	1	2004	0.1	MG/L	UJ
AC032A04	A	C03	2	1	TOTAL PHOSPHORUS AS P	N	2	2004	0.1	MG/L	U
AC033A04	A	C03	2	1	TOTAL PHOSPHORUS AS P	N	3	2004	0.02	MG/L	
AC034A04	A	C03	2	1	TOTAL PHOSPHORUS AS P	N	4	2004	0.02	MG/L	
AC041A04	A	C04	3	1	TOTAL PHOSPHORUS AS P	N	1	2004	0.1	MG/L	UJ
AC042A04	A	C04	3	1	TOTAL PHOSPHORUS AS P	N	2	2004	0.1	MG/L	U
AC043A04	A	C04	3	1	TOTAL PHOSPHORUS AS P	N	3	2004	0.02	MG/L	U
AC044A04	A	C04	3	1	TOTAL PHOSPHORUS AS P	N	4	2004	0.02	MG/L	U
AC071A04	A	C07	4	1	TOTAL PHOSPHORUS AS P	N	1	2004	0.1	MG/L	UJ
AC072A04	A	C07	4	1	TOTAL PHOSPHORUS AS P	N	2	2004	0.1	MG/L	U
AC073A04	A	C07	4	1	TOTAL PHOSPHORUS AS P	N	3	2004	0.02	MG/L	U
AC074A04	A	C07	4	1	TOTAL PHOSPHORUS AS P	N	4	2004	0.02	MG/L	U
AC08P21A04	A	C08P2	5	1	TOTAL PHOSPHORUS AS P	N	1	2004	0.1	MG/L	UJ
AC08P22A04	A	C08P2	5	1	TOTAL PHOSPHORUS AS P	N	2	2004	0.1	MG/L	U
AC08P23A04	A	C08P2	5	1	TOTAL PHOSPHORUS AS P	N	3	2004	0.02	MG/L	U
AC08P24A04	A	C08P2	5	1	TOTAL PHOSPHORUS AS P	N	4	2004	0.02	MG/L	U
AC09P21A04	A	C09P2	6	1	TOTAL PHOSPHORUS AS P	N	1	2004	0.1	MG/L	J
FD03080401	A	C09P2	6	1	TOTAL PHOSPHORUS AS P	N	1	2004	0.1	MG/L	J
AC09P22A04	A	C09P2	6	1	TOTAL PHOSPHORUS AS P	N	2	2004	0.1	MG/L	U
AC09P23A04	A	C09P2	6	1	TOTAL PHOSPHORUS AS P	N	3	2004	0.12	MG/L	
AC09P24A04	A	C09P2	6	1	TOTAL PHOSPHORUS AS P	N	4	2004	0.1	MG/L	
FD12290402	A	C09P2	6	1	TOTAL PHOSPHORUS AS P	N	4	2004	0.06	MG/L	
AC151A04	A	C15	7	1	TOTAL PHOSPHORUS AS P	N	1	2004	0.1	MG/L	U
AC152A04	A	C15	7	1	TOTAL PHOSPHORUS AS P	N	2	2004	0.1	MG/L	U

Table 7.37. Raw Data for Total Phosphorus. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
FD06210401	A	C15	7	1	TOTAL PHOSPHORUS AS P	N	2	2004	0.1	MG/L	U
AC153A04	A	C15	7	1	TOTAL PHOSPHORUS AS P	N	3	2004	0.02	MG/L	U
FD09200402	A	C15	7	1	TOTAL PHOSPHORUS AS P	N	3	2004	0.02	MG/L	U
AC154A04	A	C15	7	1	TOTAL PHOSPHORUS AS P	N	4	2004	0.02	MG/L	U
FD12160401	A	C15	7	1	TOTAL PHOSPHORUS AS P	N	4	2004	0.02	MG/L	U
AC171A04	A	C17	8	1	TOTAL PHOSPHORUS AS P	N	1	2004	0.1	MG/L	UJ
AC172A04	A	C17	8	1	TOTAL PHOSPHORUS AS P	N	2	2004	0.1	MG/L	U
AC173A04	A	C17	8	1	TOTAL PHOSPHORUS AS P	N	3	2004	0.02	MG/L	U
FD09200401	A	C17	8	1	TOTAL PHOSPHORUS AS P	N	3	2004	0.02	MG/L	U
AC201A04	A	C20	9	1	TOTAL PHOSPHORUS AS P	N	1	2004	0.1	MG/L	UJ
AC202B04	A	C20	9	1	TOTAL PHOSPHORUS AS P	N	2	2004	0.1	MG/L	U
AC203A04	A	C20	9	1	TOTAL PHOSPHORUS AS P	N	3	2004	0.02	MG/L	U
AC204A04	A	C20	9	1	TOTAL PHOSPHORUS AS P	N	4	2004	0.02	MG/L	U
AC251A04	A	C25	10	1	TOTAL PHOSPHORUS AS P	N	1	2004	0.1	MG/L	UJ
AC252A04	A	C25	10	1	TOTAL PHOSPHORUS AS P	N	2	2004	0.1	MG/L	U
AC253A04	A	C25	10	1	TOTAL PHOSPHORUS AS P	N	3	2004	0.02	MG/L	U
AC254A04	A	C25	10	1	TOTAL PHOSPHORUS AS P	N	4	2004	0.02	MG/L	U
AC261A04	A	C26	11	1	TOTAL PHOSPHORUS AS P	N	1	2004	0.1	MG/L	UJ
AC262A04	A	C26	11	1	TOTAL PHOSPHORUS AS P	N	2	2004	0.1	MG/L	U
AC263A04	A	C26	11	1	TOTAL PHOSPHORUS AS P	N	3	2004	0.02	MG/L	
AC264A04	A	C26	11	1	TOTAL PHOSPHORUS AS P	N	4	2004	0.02	MG/L	U
AC271A04	A	C27	12	1	TOTAL PHOSPHORUS AS P	N	1	2004	0.1	MG/L	UJ
AC272A04	A	C27	12	1	TOTAL PHOSPHORUS AS P	N	2	2004	0.1	MG/L	U
AC273A04	A	C27	12	1	TOTAL PHOSPHORUS AS P	N	3	2004	0.04	MG/L	
AC301A04	A	C30	13	1	TOTAL PHOSPHORUS AS P	N	1	2004	0.3	MG/L	J
AC302A04	A	C30	13	1	TOTAL PHOSPHORUS AS P	N	2	2004	0.1	MG/L	U
AC303A04	A	C30	13	1	TOTAL PHOSPHORUS AS P	N	3	2004	0.03	MG/L	
AC304A04	A	C30	13	1	TOTAL PHOSPHORUS AS P	N	4	2004	0.02	MG/L	U
ASPA1A04	A	SPA	14	1	TOTAL PHOSPHORUS AS P	N	1	2004	0.1	MG/L	U
ASPA2A04	A	SPA	14	1	TOTAL PHOSPHORUS AS P	N	2	2004	0.1	MG/L	U
ASPA3A04	A	SPA	14	1	TOTAL PHOSPHORUS AS P	N	3	2004	0.02	MG/L	
ASPA4A04	A	SPA	14	1	TOTAL PHOSPHORUS AS P	N	4	2004	0.03	MG/L	
ASPC1A04	A	SPC	15	1	TOTAL PHOSPHORUS AS P	N	1	2004	0.1	MG/L	UJ
FD03030401	A	SPC	15	1	TOTAL PHOSPHORUS AS P	N	1	2004	0.1	MG/L	UJ
ASPC2A04	A	SPC	15	1	TOTAL PHOSPHORUS AS P	N	2	2004	0.1	MG/L	U
FD06290401	A	SPC	15	1	TOTAL PHOSPHORUS AS P	N	2	2004	0.1	MG/L	U
ASPC3A04	A	SPC	15	1	TOTAL PHOSPHORUS AS P	N	3	2004	0.02	MG/L	U
ASPC4A04	A	SPC	15	1	TOTAL PHOSPHORUS AS P	N	4	2004	0.02	MG/L	U

Table 7.38. Raw Data for Total Organic Carbon.

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC02P21A04	A	C02P2	1	1	TOTAL ORGANIC CARBON	N	1	2004	1	MG/L	U
AC02P22A04	A	C02P2	1	1	TOTAL ORGANIC CARBON	N	2	2004	1	MG/L	U
AC02P23A04	A	C02P2	1	1	TOTAL ORGANIC CARBON	N	3	2004	1	MG/L	U
AC02P24A04	A	C02P2	1	1	TOTAL ORGANIC CARBON	N	4	2004	1	MG/L	U
AC031A04	A	C03	2	1	TOTAL ORGANIC CARBON	N	1	2004	1	MG/L	U
AC032A04	A	C03	2	1	TOTAL ORGANIC CARBON	N	2	2004	1	MG/L	U
AC033A04	A	C03	2	1	TOTAL ORGANIC CARBON	N	3	2004	1	MG/L	U
AC034A04	A	C03	2	1	TOTAL ORGANIC CARBON	N	4	2004	1	MG/L	U
AC041A04	A	C04	3	1	TOTAL ORGANIC CARBON	N	1	2004	1	MG/L	U
AC042A04	A	C04	3	1	TOTAL ORGANIC CARBON	N	2	2004	1	MG/L	U
AC043A04	A	C04	3	1	TOTAL ORGANIC CARBON	N	3	2004	1	MG/L	U
AC044A04	A	C04	3	1	TOTAL ORGANIC CARBON	N	4	2004	1	MG/L	U
AC071A04	A	C07	4	1	TOTAL ORGANIC CARBON	N	1	2004	1	MG/L	U
AC072A04	A	C07	4	1	TOTAL ORGANIC CARBON	N	2	2004	1	MG/L	U
AC073A04	A	C07	4	1	TOTAL ORGANIC CARBON	N	3	2004	1	MG/L	U
AC074A04	A	C07	4	1	TOTAL ORGANIC CARBON	N	4	2004	1	MG/L	U
AC08P21A04	A	C08P2	5	1	TOTAL ORGANIC CARBON	N	1	2004	1	MG/L	U
AC08P22A04	A	C08P2	5	1	TOTAL ORGANIC CARBON	N	2	2004	1	MG/L	U
AC08P23A04	A	C08P2	5	1	TOTAL ORGANIC CARBON	N	3	2004	1	MG/L	U
AC08P24A04	A	C08P2	5	1	TOTAL ORGANIC CARBON	N	4	2004	1	MG/L	U
AC09P21A04	A	C09P2	6	1	TOTAL ORGANIC CARBON	N	1	2004	1	MG/L	U
FD03080401	A	C09P2	6	1	TOTAL ORGANIC CARBON	N	1	2004	1	MG/L	U
AC09P22A04	A	C09P2	6	1	TOTAL ORGANIC CARBON	N	2	2004	1	MG/L	U
AC09P23A04	A	C09P2	6	1	TOTAL ORGANIC CARBON	N	3	2004	1	MG/L	U
AC09P24A04	A	C09P2	6	1	TOTAL ORGANIC CARBON	N	4	2004	1.3	MG/L	
FD12290402	A	C09P2	6	1	TOTAL ORGANIC CARBON	N	4	2004	1	MG/L	U
AC151A04	A	C15	7	1	TOTAL ORGANIC CARBON	N	1	2004	1	MG/L	U
AC152A04	A	C15	7	1	TOTAL ORGANIC CARBON	N	2	2004	1	MG/L	U
FD06210401	A	C15	7	1	TOTAL ORGANIC CARBON	N	2	2004	1	MG/L	U
AC153A04	A	C15	7	1	TOTAL ORGANIC CARBON	N	3	2004	1	MG/L	U
FD09200402	A	C15	7	1	TOTAL ORGANIC CARBON	N	3	2004	1	MG/L	U
AC154A04	A	C15	7	1	TOTAL ORGANIC CARBON	N	4	2004	1	MG/L	U
FD12160401	A	C15	7	1	TOTAL ORGANIC CARBON	N	4	2004	1	MG/L	U
AC171A04	A	C17	8	1	TOTAL ORGANIC CARBON	N	1	2004	1	MG/L	U
AC172A04	A	C17	8	1	TOTAL ORGANIC CARBON	N	2	2004	1	MG/L	U
AC173A04	A	C17	8	1	TOTAL ORGANIC CARBON	N	3	2004	1	MG/L	U
FD09200401	A	C17	8	1	TOTAL ORGANIC CARBON	N	3	2004	1	MG/L	U
AC201A04	A	C20	9	1	TOTAL ORGANIC CARBON	N	1	2004	1	MG/L	U
AC202B04	A	C20	9	1	TOTAL ORGANIC CARBON	N	2	2004	1	MG/L	U
AC203A04	A	C20	9	1	TOTAL ORGANIC CARBON	N	3	2004	1	MG/L	U
AC204A04	A	C20	9	1	TOTAL ORGANIC CARBON	N	4	2004	1	MG/L	U
AC251A04	A	C25	10	1	TOTAL ORGANIC CARBON	N	1	2004	1	MG/L	U
AC252A04	A	C25	10	1	TOTAL ORGANIC CARBON	N	2	2004	1	MG/L	U
AC253A04	A	C25	10	1	TOTAL ORGANIC CARBON	N	3	2004	1	MG/L	U

Table 7.38. Raw Data for Total Organic Carbon. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC254A04	A	C25	10	1	TOTAL ORGANIC CARBON	N	4	2004	1	MG/L	U
AC261A04	A	C26	11	1	TOTAL ORGANIC CARBON	N	1	2004	1	MG/L	U
AC262A04	A	C26	11	1	TOTAL ORGANIC CARBON	N	2	2004	1	MG/L	U
AC263A04	A	C26	11	1	TOTAL ORGANIC CARBON	N	3	2004	1	MG/L	U
AC264A04	A	C26	11	1	TOTAL ORGANIC CARBON	N	4	2004	1	MG/L	U
AC271A04	A	C27	12	1	TOTAL ORGANIC CARBON	N	1	2004	1	MG/L	U
AC272A04	A	C27	12	1	TOTAL ORGANIC CARBON	N	2	2004	1	MG/L	U
AC273A04	A	C27	12	1	TOTAL ORGANIC CARBON	N	3	2004	1	MG/L	U
AC301A04	A	C30	13	1	TOTAL ORGANIC CARBON	N	1	2004	1	MG/L	U
AC302A04	A	C30	13	1	TOTAL ORGANIC CARBON	N	2	2004	1	MG/L	U
AC303A04	A	C30	13	1	TOTAL ORGANIC CARBON	N	3	2004	1	MG/L	U
AC304A04	A	C30	13	1	TOTAL ORGANIC CARBON	N	4	2004	1	MG/L	U
ASPA1A04	A	SPA	14	1	TOTAL ORGANIC CARBON	N	1	2004	1	MG/L	U
ASPA2A04	A	SPA	14	1	TOTAL ORGANIC CARBON	N	2	2004	1	MG/L	U
ASPA3A04	A	SPA	14	1	TOTAL ORGANIC CARBON	N	3	2004	1	MG/L	U
ASPA4A04	A	SPA	14	1	TOTAL ORGANIC CARBON	N	4	2004	1	MG/L	
ASPC1A04	A	SPC	15	1	TOTAL ORGANIC CARBON	N	1	2004	1	MG/L	
FD03030401	A	SPC	15	1	TOTAL ORGANIC CARBON	N	1	2004	1.1	MG/L	
ASPC2A04	A	SPC	15	1	TOTAL ORGANIC CARBON	N	2	2004	1	MG/L	U
FD06290401	A	SPC	15	1	TOTAL ORGANIC CARBON	N	2	2004	1	MG/L	U
ASPC3A04	A	SPC	15	1	TOTAL ORGANIC CARBON	N	3	2004	1	MG/L	U
ASPC4A04	A	SPC	15	1	TOTAL ORGANIC CARBON	N	4	2004	1	MG/L	U
DC021A04	D	C02	1	1	TOTAL ORGANIC CARBON	N	1	2004	1	MG/L	U
DC023A04	D	C02	1	1	TOTAL ORGANIC CARBON	N	3	2004	1	MG/L	U
DC031A04	D	C03	2	1	TOTAL ORGANIC CARBON	N	1	2004	2.2	MG/L	
DC033A04	D	C03	2	1	TOTAL ORGANIC CARBON	N	3	2004	2.2	MG/L	
FD07210401	D	C03	2	1	TOTAL ORGANIC CARBON	N	3	2004	2.3	MG/L	
DC041A04	D	C04	3	1	TOTAL ORGANIC CARBON	N	1	2004	1.3	MG/L	
FD01140401	D	C04	3	1	TOTAL ORGANIC CARBON	N	1	2004	1.4	MG/L	
DC043A04	D	C04	3	1	TOTAL ORGANIC CARBON	N	3	2004	1	MG/L	U
FD07150401	D	C04	3	1	TOTAL ORGANIC CARBON	N	3	2004	1.5	MG/L	
DC051A04	D	C05	4	1	TOTAL ORGANIC CARBON	N	1	2004	1	MG/L	U
DC053A04	D	C05	4	1	TOTAL ORGANIC CARBON	N	3	2004	1	MG/L	U
DC061A04	D	C06	5	1	TOTAL ORGANIC CARBON	N	1	2004	1	MG/L	U
FD01080401	D	C06	5	1	TOTAL ORGANIC CARBON	N	1	2004	1	MG/L	U
DC063A04	D	C06	5	1	TOTAL ORGANIC CARBON	N	3	2004	1	MG/L	U
DC071A04	D	C07	6	1	TOTAL ORGANIC CARBON	N	1	2004	1	MG/L	U
DC073A04	D	C07	6	1	TOTAL ORGANIC CARBON	N	3	2004	1	MG/L	U
DC081A04	D	C08	7	1	TOTAL ORGANIC CARBON	N	1	2004	1	MG/L	U
DC083A04	D	C08	7	1	TOTAL ORGANIC CARBON	N	3	2004	1	MG/L	U
DC03P21A04	D	C03P2	1	2	TOTAL ORGANIC CARBON	N	1	2004	1	MG/L	U
DC03P23A04	D	C03P2	1	2	TOTAL ORGANIC CARBON	N	3	2004	1	MG/L	U
DC04P21A04	D	C04P2	2	2	TOTAL ORGANIC CARBON	N	1	2004	1	MG/L	U
DC04P23A04	D	C04P2	2	2	TOTAL ORGANIC CARBON	N	3	2004	1	MG/L	U

Table 7.38. Raw Data for Total Organic Carbon. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
DC06P21A04	D	C06P2	3	2	TOTAL ORGANIC CARBON	N	1	2004	1	MG/L	U
DC06P23A04	D	C06P2	3	2	TOTAL ORGANIC CARBON	N	3	2004	1	MG/L	U
DC08P21A04	D	C08P2	4	2	TOTAL ORGANIC CARBON	N	1	2004	1	MG/L	U
DC08P23A04	D	C08P2	4	2	TOTAL ORGANIC CARBON	N	3	2004	1	MG/L	U
OC081A04	O	C08	1	1	TOTAL ORGANIC CARBON	N	1	2004	1	MG/L	U
OC082A04	O	C08	1	1	TOTAL ORGANIC CARBON	N	2	2004	1	MG/L	U
OC083A04	O	C08	1	1	TOTAL ORGANIC CARBON	N	3	2004	1	MG/L	U
OC084A04	O	C08	1	1	TOTAL ORGANIC CARBON	N	4	2004	1	MG/L	U
OC111A04	O	C11	2	1	TOTAL ORGANIC CARBON	N	1	2004	1	MG/L	U
OC112A04	O	C11	2	1	TOTAL ORGANIC CARBON	N	2	2004	1	MG/L	U
OC113A04	O	C11	2	1	TOTAL ORGANIC CARBON	N	3	2004	1	MG/L	U
OC114A04	O	C11	2	1	TOTAL ORGANIC CARBON	N	4	2004	1	MG/L	U
OC121A04	O	C12	3	1	TOTAL ORGANIC CARBON	N	1	2004	1	MG/L	U
OC122A04	O	C12	3	1	TOTAL ORGANIC CARBON	N	2	2004	1	MG/L	U
OC123A04	O	C12	3	1	TOTAL ORGANIC CARBON	N	3	2004	1	MG/L	U
OC124A04	O	C12	3	1	TOTAL ORGANIC CARBON	N	4	2004	1	MG/L	U
OC131A04	O	C13	4	1	TOTAL ORGANIC CARBON	N	1	2004	1.2	MG/L	
OC132A04	O	C13	4	1	TOTAL ORGANIC CARBON	N	2	2004	1.2	MG/L	
OC133A04	O	C13	4	1	TOTAL ORGANIC CARBON	N	3	2004	1.2	MG/L	
OC134A04	O	C13	4	1	TOTAL ORGANIC CARBON	N	4	2004	1.2	MG/L	
OC141A04	O	C14	5	1	TOTAL ORGANIC CARBON	N	1	2004	1	MG/L	U
OC142A04	O	C14	5	1	TOTAL ORGANIC CARBON	N	2	2004	1	MG/L	U
OC143A04	O	C14	5	1	TOTAL ORGANIC CARBON	N	3	2004	1	MG/L	U
OC144A04	O	C14	5	1	TOTAL ORGANIC CARBON	N	4	2004	1	MG/L	U
OC151A04	O	C15	6	1	TOTAL ORGANIC CARBON	N	1	2004	1	MG/L	U
FD02100401	O	C15	6	1	TOTAL ORGANIC CARBON	N	1	2004	1	MG/L	U
OC152A04	O	C15	6	1	TOTAL ORGANIC CARBON	N	2	2004	1	MG/L	U
FD05170401	O	C15	6	1	TOTAL ORGANIC CARBON	N	2	2004	1	MG/L	U
OC153A04	O	C15	6	1	TOTAL ORGANIC CARBON	N	3	2004	1	MG/L	U
FD08170401	O	C15	6	1	TOTAL ORGANIC CARBON	N	3	2004	1	MG/L	U
OC154A04	O	C15	6	1	TOTAL ORGANIC CARBON	N	4	2004	1	MG/L	U
FD11160401	O	C15	6	1	TOTAL ORGANIC CARBON	N	4	2004	1	MG/L	U
OC161A04	O	C16	7	1	TOTAL ORGANIC CARBON	N	1	2004	1	MG/L	U
FD02110401	O	C16	7	1	TOTAL ORGANIC CARBON	N	1	2004	1	MG/L	U
OC162A04	O	C16	7	1	TOTAL ORGANIC CARBON	N	2	2004	2.1	MG/L	
FD05030401	O	C16	7	1	TOTAL ORGANIC CARBON	N	2	2004	1.1	MG/L	
OC163A04	O	C16	7	1	TOTAL ORGANIC CARBON	N	3	2004	1	MG/L	U
OC164A04	O	C16	7	1	TOTAL ORGANIC CARBON	N	4	2004	1	MG/L	U
FD11230402	O	C16	7	1	TOTAL ORGANIC CARBON	N	4	2004	1	MG/L	U
OC181A04	O	C18	8	1	TOTAL ORGANIC CARBON	N	1	2004	1	MG/L	U
OC182A04	O	C18	8	1	TOTAL ORGANIC CARBON	N	2	2004	1	MG/L	U
OC183A04	O	C18	8	1	TOTAL ORGANIC CARBON	N	3	2004	1	MG/L	U
OC184A04	O	C18	8	1	TOTAL ORGANIC CARBON	N	4	2004	1	MG/L	U
OC191A04	O	C19	9	1	TOTAL ORGANIC CARBON	N	1	2004	1	MG/L	U

Table 7.38. Raw Data for Total Organic Carbon. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
OC192A04	O	C19	9	1	TOTAL ORGANIC CARBON	N	2	2004	1	MG/L	UJ
OC193A04	O	C19	9	1	TOTAL ORGANIC CARBON	N	3	2004	1	MG/L	U
FD09010401	O	C19	9	1	TOTAL ORGANIC CARBON	N	3	2004	1	MG/L	U
OC194A04	O	C19	9	1	TOTAL ORGANIC CARBON	N	4	2004	1	MG/L	U
OC11P21A04	O	C11P2	1	2	TOTAL ORGANIC CARBON	N	1	2004	1	MG/L	U
OC11P22A04	O	C11P2	1	2	TOTAL ORGANIC CARBON	N	2	2004	1	MG/L	U
OC11P23A04	O	C11P2	1	2	TOTAL ORGANIC CARBON	N	3	2004	1	MG/L	U
OC11P24A04	O	C11P2	1	2	TOTAL ORGANIC CARBON	N	4	2004	1	MG/L	U
OC13P21A04	O	C13P2	2	2	TOTAL ORGANIC CARBON	N	1	2004	1	MG/L	
OC13P22A04	O	C13P2	2	2	TOTAL ORGANIC CARBON	N	2	2004	1.1	MG/L	
OC13P23A04	O	C13P2	2	2	TOTAL ORGANIC CARBON	N	3	2004	1.2	MG/L	
OC13P24A04	O	C13P2	2	2	TOTAL ORGANIC CARBON	N	4	2004	1.1	MG/L	
OC14P21A04	O	C14P2	3	2	TOTAL ORGANIC CARBON	N	1	2004	1	MG/L	U
OC14P22A04	O	C14P2	3	2	TOTAL ORGANIC CARBON	N	2	2004	1	MG/L	U
OC14P23A04	O	C14P2	3	2	TOTAL ORGANIC CARBON	N	3	2004	1	MG/L	U
OC14P24A04	O	C14P2	3	2	TOTAL ORGANIC CARBON	N	4	2004	1	MG/L	U
OC18P21A04	O	C18P2	4	2	TOTAL ORGANIC CARBON	N	1	2004	1	MG/L	U
OC18P22A04	O	C18P2	4	2	TOTAL ORGANIC CARBON	N	2	2004	2.5	MG/L	
OC18P23A04	O	C18P2	4	2	TOTAL ORGANIC CARBON	N	3	2004	1.9	MG/L	
OC18P24A04	O	C18P2	4	2	TOTAL ORGANIC CARBON	N	4	2004	2.6	MG/L	
OC19P21A04	O	C19P2	5	2	TOTAL ORGANIC CARBON	N	1	2004	1	MG/L	U
OC19P22A04	O	C19P2	5	2	TOTAL ORGANIC CARBON	N	2	2004	1	MG/L	UJ
OC19P23A04	O	C19P2	5	2	TOTAL ORGANIC CARBON	N	3	2004	1	MG/L	U
OC19P24A04	O	C19P2	5	2	TOTAL ORGANIC CARBON	N	4	2004	1	MG/L	U

Table 7.39. Raw Data for Total Organic Halogens.

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC02P21A04	A	C02P2	1	1	TOTAL ORGANIC HALOGENS	N	1	2004	0.05	MG/L	U
AC02P22A04	A	C02P2	1	1	TOTAL ORGANIC HALOGENS	N	2	2004	0.05	MG/L	U
AC02P23A04	A	C02P2	1	1	TOTAL ORGANIC HALOGENS	N	3	2004	0.05	MG/L	U
AC02P24A04	A	C02P2	1	1	TOTAL ORGANIC HALOGENS	N	4	2004	0.05	MG/L	UJ
AC031A04	A	C03	2	1	TOTAL ORGANIC HALOGENS	N	1	2004	0.05	MG/L	U
AC032A04	A	C03	2	1	TOTAL ORGANIC HALOGENS	N	2	2004	0.05	MG/L	U
AC033A04	A	C03	2	1	TOTAL ORGANIC HALOGENS	N	3	2004	0.05	MG/L	U
AC034A04	A	C03	2	1	TOTAL ORGANIC HALOGENS	N	4	2004	0.05	MG/L	UJ
AC041A04	A	C04	3	1	TOTAL ORGANIC HALOGENS	N	1	2004	0.05	MG/L	U
AC042A04	A	C04	3	1	TOTAL ORGANIC HALOGENS	N	2	2004	0.05	MG/L	U
AC043A04	A	C04	3	1	TOTAL ORGANIC HALOGENS	N	3	2004	0.05	MG/L	U
AC044A04	A	C04	3	1	TOTAL ORGANIC HALOGENS	N	4	2004	0.05	MG/L	U
AC071A04	A	C07	4	1	TOTAL ORGANIC HALOGENS	N	1	2004	0.05	MG/L	U
AC072A04	A	C07	4	1	TOTAL ORGANIC HALOGENS	N	2	2004	0.05	MG/L	U
AC073A04	A	C07	4	1	TOTAL ORGANIC HALOGENS	N	3	2004	0.05	MG/L	U
AC074A04	A	C07	4	1	TOTAL ORGANIC HALOGENS	N	4	2004	0.05	MG/L	U

Table 7.39. Raw Data for Total Organic Halogens. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
AC08P21A04	A	C08P2	5	1	TOTAL ORGANIC HALOGENS	N	1	2004	0.05	MG/L	U
AC08P22A04	A	C08P2	5	1	TOTAL ORGANIC HALOGENS	N	2	2004	0.05	MG/L	U
AC08P23A04	A	C08P2	5	1	TOTAL ORGANIC HALOGENS	N	3	2004	0.06	MG/L	
AC08P24A04	A	C08P2	5	1	TOTAL ORGANIC HALOGENS	N	4	2004	0.06	MG/L	J
AC09P21A04	A	C09P2	6	1	TOTAL ORGANIC HALOGENS	N	1	2004	0.11	MG/L	
FD03080401	A	C09P2	6	1	TOTAL ORGANIC HALOGENS	N	1	2004	0.11	MG/L	
AC09P22A04	A	C09P2	6	1	TOTAL ORGANIC HALOGENS	N	2	2004	0.13	MG/L	
AC09P23A04	A	C09P2	6	1	TOTAL ORGANIC HALOGENS	N	3	2004	0.13	MG/L	
AC09P24A04	A	C09P2	6	1	TOTAL ORGANIC HALOGENS	N	4	2004	0.1	MG/L	
FD12290402	A	C09P2	6	1	TOTAL ORGANIC HALOGENS	N	4	2004	0.12	MG/L	
AC151A04	A	C15	7	1	TOTAL ORGANIC HALOGENS	N	1	2004	0.05	MG/L	U
AC152A04	A	C15	7	1	TOTAL ORGANIC HALOGENS	N	2	2004	0.05	MG/L	U
FD06210401	A	C15	7	1	TOTAL ORGANIC HALOGENS	N	2	2004	0.05	MG/L	U
AC153A04	A	C15	7	1	TOTAL ORGANIC HALOGENS	N	3	2004	0.05	MG/L	U
FD09200402	A	C15	7	1	TOTAL ORGANIC HALOGENS	N	3	2004	0.05	MG/L	U
AC154A04	A	C15	7	1	TOTAL ORGANIC HALOGENS	N	4	2004	0.05	MG/L	UJ
FD12160401	A	C15	7	1	TOTAL ORGANIC HALOGENS	N	4	2004	0.05	MG/L	UJ
AC171A04	A	C17	8	1	TOTAL ORGANIC HALOGENS	N	1	2004	0.05	MG/L	U
AC172A04	A	C17	8	1	TOTAL ORGANIC HALOGENS	N	2	2004	0.05	MG/L	U
AC173A04	A	C17	8	1	TOTAL ORGANIC HALOGENS	N	3	2004	0.05	MG/L	U
FD09200401	A	C17	8	1	TOTAL ORGANIC HALOGENS	N	3	2004	0.05	MG/L	U
AC201A04	A	C20	9	1	TOTAL ORGANIC HALOGENS	N	1	2004	1.1	MG/L	
AC202B04	A	C20	9	1	TOTAL ORGANIC HALOGENS	N	2	2004	0.62	MG/L	
AC203A04	A	C20	9	1	TOTAL ORGANIC HALOGENS	N	3	2004	1	MG/L	
AC204A04	A	C20	9	1	TOTAL ORGANIC HALOGENS	N	4	2004	1.2	MG/L	
AC251A04	A	C25	10	1	TOTAL ORGANIC HALOGENS	N	1	2004	0.05	MG/L	U
AC252A04	A	C25	10	1	TOTAL ORGANIC HALOGENS	N	2	2004	0.05	MG/L	U
AC253A04	A	C25	10	1	TOTAL ORGANIC HALOGENS	N	3	2004	0.05	MG/L	U
AC254A04	A	C25	10	1	TOTAL ORGANIC HALOGENS	N	4	2004	0.05	MG/L	U
AC261A04	A	C26	11	1	TOTAL ORGANIC HALOGENS	N	1	2004	0.05	MG/L	U
AC262A04	A	C26	11	1	TOTAL ORGANIC HALOGENS	N	2	2004	0.05	MG/L	U
AC263A04	A	C26	11	1	TOTAL ORGANIC HALOGENS	N	3	2004	0.05	MG/L	U
AC264A04	A	C26	11	1	TOTAL ORGANIC HALOGENS	N	4	2004	0.05	MG/L	U
AC271A04	A	C27	12	1	TOTAL ORGANIC HALOGENS	N	1	2004	0.05	MG/L	U
AC272A04	A	C27	12	1	TOTAL ORGANIC HALOGENS	N	2	2004	0.05	MG/L	U
AC273A04	A	C27	12	1	TOTAL ORGANIC HALOGENS	N	3	2004	0.05	MG/L	U
AC301A04	A	C30	13	1	TOTAL ORGANIC HALOGENS	N	1	2004	0.05	MG/L	U
AC302A04	A	C30	13	1	TOTAL ORGANIC HALOGENS	N	2	2004	0.05	MG/L	U
AC303A04	A	C30	13	1	TOTAL ORGANIC HALOGENS	N	3	2004	0.05	MG/L	U
AC304A04	A	C30	13	1	TOTAL ORGANIC HALOGENS	N	4	2004	0.05	MG/L	U
ASPA1A04	A	SPA	14	1	TOTAL ORGANIC HALOGENS	N	1	2004	0.05	MG/L	U
ASPA2A04	A	SPA	14	1	TOTAL ORGANIC HALOGENS	N	2	2004	0.05	MG/L	U
ASPA3A04	A	SPA	14	1	TOTAL ORGANIC HALOGENS	N	3	2004	0.05	MG/L	U
ASPA4A04	A	SPA	14	1	TOTAL ORGANIC HALOGENS	N	4	2004	0.05	MG/L	U

Table 7.39. Raw Data for Total Organic Halogens. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
ASPC1A04	A	SPC	15	1	TOTAL ORGANIC HALOGENS	N	1	2004	0.05	MG/L	U
FD03030401	A	SPC	15	1	TOTAL ORGANIC HALOGENS	N	1	2004	0.05	MG/L	U
ASPC2A04	A	SPC	15	1	TOTAL ORGANIC HALOGENS	N	2	2004	0.05	MG/L	U
FD06290401	A	SPC	15	1	TOTAL ORGANIC HALOGENS	N	2	2004	0.05	MG/L	U
ASPC3A04	A	SPC	15	1	TOTAL ORGANIC HALOGENS	N	3	2004	0.05	MG/L	U
ASPC4A04	A	SPC	15	1	TOTAL ORGANIC HALOGENS	N	4	2004	0.05	MG/L	U
DC021A04	D	C02	1	1	TOTAL ORGANIC HALOGENS	N	1	2004	0.05	MG/L	UJ
DC023A04	D	C02	1	1	TOTAL ORGANIC HALOGENS	N	3	2004	0.05	MG/L	U
DC031A04	D	C03	2	1	TOTAL ORGANIC HALOGENS	N	1	2004	0.05	MG/L	UJ
DC033A04	D	C03	2	1	TOTAL ORGANIC HALOGENS	N	3	2004	0.05	MG/L	UJ
FD07210401	D	C03	2	1	TOTAL ORGANIC HALOGENS	N	3	2004	0.05	MG/L	UJ
DC041A04	D	C04	3	1	TOTAL ORGANIC HALOGENS	N	1	2004	0.05	MG/L	UJ
FD01140401	D	C04	3	1	TOTAL ORGANIC HALOGENS	N	1	2004	0.05	MG/L	UJ
DC043A04	D	C04	3	1	TOTAL ORGANIC HALOGENS	N	3	2004	0.05	MG/L	UJ
FD07150401	D	C04	3	1	TOTAL ORGANIC HALOGENS	N	3	2004	0.05	MG/L	UJ
DC051A04	D	C05	4	1	TOTAL ORGANIC HALOGENS	N	1	2004	0.05	MG/L	UJ
DC053A04	D	C05	4	1	TOTAL ORGANIC HALOGENS	N	3	2004	0.05	MG/L	UJ
DC061A04	D	C06	5	1	TOTAL ORGANIC HALOGENS	N	1	2004	0.05	MG/L	UJ
FD01080401	D	C06	5	1	TOTAL ORGANIC HALOGENS	N	1	2004	0.05	MG/L	UJ
DC063A04	D	C06	5	1	TOTAL ORGANIC HALOGENS	N	3	2004	0.05	MG/L	U
DC071A04	D	C07	6	1	TOTAL ORGANIC HALOGENS	N	1	2004	0.05	MG/L	UJ
DC073A04	D	C07	6	1	TOTAL ORGANIC HALOGENS	N	3	2004	0.05	MG/L	UJ
DC081A04	D	C08	7	1	TOTAL ORGANIC HALOGENS	N	1	2004	0.05	MG/L	UJ
DC083A04	D	C08	7	1	TOTAL ORGANIC HALOGENS	N	3	2004	0.05	MG/L	U
DC03P21A04	D	C03P2	1	2	TOTAL ORGANIC HALOGENS	N	1	2004	0.05	MG/L	UJ
DC03P23A04	D	C03P2	1	2	TOTAL ORGANIC HALOGENS	N	3	2004	0.05	MG/L	U
DC04P21A04	D	C04P2	2	2	TOTAL ORGANIC HALOGENS	N	1	2004	0.05	MG/L	UJ
DC04P23A04	D	C04P2	2	2	TOTAL ORGANIC HALOGENS	N	3	2004	0.05	MG/L	UJ
DC06P21A04	D	C06P2	3	2	TOTAL ORGANIC HALOGENS	N	1	2004	0.05	MG/L	UJ
DC06P23A04	D	C06P2	3	2	TOTAL ORGANIC HALOGENS	N	3	2004	0.05	MG/L	UJ
DC08P21A04	D	C08P2	4	2	TOTAL ORGANIC HALOGENS	N	1	2004	0.05	MG/L	UJ
DC08P23A04	D	C08P2	4	2	TOTAL ORGANIC HALOGENS	N	3	2004	0.05	MG/L	UJ
OC081A04	O	C08	1	1	TOTAL ORGANIC HALOGENS	N	1	2004	0.05	MG/L	U
OC082A04	O	C08	1	1	TOTAL ORGANIC HALOGENS	N	2	2004	0.05	MG/L	U
OC083A04	O	C08	1	1	TOTAL ORGANIC HALOGENS	N	3	2004	0.05	MG/L	U
OC084A04	O	C08	1	1	TOTAL ORGANIC HALOGENS	N	4	2004	0.05	MG/L	U
OC111A04	O	C11	2	1	TOTAL ORGANIC HALOGENS	N	1	2004	0.05	MG/L	U
OC112A04	O	C11	2	1	TOTAL ORGANIC HALOGENS	N	2	2004	0.05	MG/L	U
OC113A04	O	C11	2	1	TOTAL ORGANIC HALOGENS	N	3	2004	0.05	MG/L	U
OC114A04	O	C11	2	1	TOTAL ORGANIC HALOGENS	N	4	2004	0.05	MG/L	UJ
OC121A04	O	C12	3	1	TOTAL ORGANIC HALOGENS	N	1	2004	0.05	MG/L	U
OC122A04	O	C12	3	1	TOTAL ORGANIC HALOGENS	N	2	2004	0.05	MG/L	U
OC123A04	O	C12	3	1	TOTAL ORGANIC HALOGENS	N	3	2004	0.05	MG/L	UJ
OC124A04	O	C12	3	1	TOTAL ORGANIC HALOGENS	N	4	2004	0.05	MG/L	U

Table 7.39. Raw Data for Total Organic Halogens. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
OC131A04	O	C13	4	1	TOTAL ORGANIC HALOGENS	N	1	2004	0.05	MG/L	U
OC132A04	O	C13	4	1	TOTAL ORGANIC HALOGENS	N	2	2004	0.05	MG/L	U
OC133A04	O	C13	4	1	TOTAL ORGANIC HALOGENS	N	3	2004	0.05	MG/L	U
OC134A04	O	C13	4	1	TOTAL ORGANIC HALOGENS	N	4	2004	0.05	MG/L	U
OC141A04	O	C14	5	1	TOTAL ORGANIC HALOGENS	N	1	2004	0.05	MG/L	U
OC142A04	O	C14	5	1	TOTAL ORGANIC HALOGENS	N	2	2004	0.05	MG/L	U
OC143A04	O	C14	5	1	TOTAL ORGANIC HALOGENS	N	3	2004	0.05	MG/L	U
OC144A04	O	C14	5	1	TOTAL ORGANIC HALOGENS	N	4	2004	0.05	MG/L	U
OC151A04	O	C15	6	1	TOTAL ORGANIC HALOGENS	N	1	2004	0.05	MG/L	U
FD02100401	O	C15	6	1	TOTAL ORGANIC HALOGENS	N	1	2004	0.05	MG/L	U
OC152A04	O	C15	6	1	TOTAL ORGANIC HALOGENS	N	2	2004	0.05	MG/L	U
FD05170401	O	C15	6	1	TOTAL ORGANIC HALOGENS	N	2	2004	0.05	MG/L	U
OC153A04	O	C15	6	1	TOTAL ORGANIC HALOGENS	N	3	2004	0.05	MG/L	U
FD08170401	O	C15	6	1	TOTAL ORGANIC HALOGENS	N	3	2004	0.05	MG/L	U
OC154A04	O	C15	6	1	TOTAL ORGANIC HALOGENS	N	4	2004	0.05	MG/L	UJ
FD11160401	O	C15	6	1	TOTAL ORGANIC HALOGENS	N	4	2004	0.05	MG/L	UJ
OC161A04	O	C16	7	1	TOTAL ORGANIC HALOGENS	N	1	2004	0.05	MG/L	U
FD02110401	O	C16	7	1	TOTAL ORGANIC HALOGENS	N	1	2004	0.05	MG/L	U
OC162A04	O	C16	7	1	TOTAL ORGANIC HALOGENS	N	2	2004	0.05	MG/L	U
FD05030401	O	C16	7	1	TOTAL ORGANIC HALOGENS	N	2	2004	0.05	MG/L	U
OC163A04	O	C16	7	1	TOTAL ORGANIC HALOGENS	N	3	2004	0.05	MG/L	U
OC164A04	O	C16	7	1	TOTAL ORGANIC HALOGENS	N	4	2004	0.05	MG/L	UJ
FD11230402	O	C16	7	1	TOTAL ORGANIC HALOGENS	N	4	2004	0.05	MG/L	UJ
OC181A04	O	C18	8	1	TOTAL ORGANIC HALOGENS	N	1	2004	0.05	MG/L	U
OC182A04	O	C18	8	1	TOTAL ORGANIC HALOGENS	N	2	2004	0.05	MG/L	U
OC183A04	O	C18	8	1	TOTAL ORGANIC HALOGENS	N	3	2004	0.05	MG/L	U
OC184A04	O	C18	8	1	TOTAL ORGANIC HALOGENS	N	4	2004	0.05	MG/L	U
OC191A04	O	C19	9	1	TOTAL ORGANIC HALOGENS	N	1	2004	0.05	MG/L	U
OC192A04	O	C19	9	1	TOTAL ORGANIC HALOGENS	N	2	2004	0.05	MG/L	U
OC193A04	O	C19	9	1	TOTAL ORGANIC HALOGENS	N	3	2004	0.05	MG/L	U
FD09010401	O	C19	9	1	TOTAL ORGANIC HALOGENS	N	3	2004	0.05	MG/L	U
OC194A04	O	C19	9	1	TOTAL ORGANIC HALOGENS	N	4	2004	0.05	MG/L	U
OC11P21A04	O	C11P2	1	2	TOTAL ORGANIC HALOGENS	N	1	2004	0.05	MG/L	U
OC11P22A04	O	C11P2	1	2	TOTAL ORGANIC HALOGENS	N	2	2004	0.05	MG/L	U
OC11P23A04	O	C11P2	1	2	TOTAL ORGANIC HALOGENS	N	3	2004	0.05	MG/L	U
OC11P24A04	O	C11P2	1	2	TOTAL ORGANIC HALOGENS	N	4	2004	0.05	MG/L	U
OC13P21A04	O	C13P2	2	2	TOTAL ORGANIC HALOGENS	N	1	2004	0.05	MG/L	U
OC13P22A04	O	C13P2	2	2	TOTAL ORGANIC HALOGENS	N	2	2004	0.05	MG/L	U
OC13P23A04	O	C13P2	2	2	TOTAL ORGANIC HALOGENS	N	3	2004	0.05	MG/L	UJ
OC13P24A04	O	C13P2	2	2	TOTAL ORGANIC HALOGENS	N	4	2004	0.05	MG/L	U
OC14P21A04	O	C14P2	3	2	TOTAL ORGANIC HALOGENS	N	1	2004	0.05	MG/L	U
OC14P22A04	O	C14P2	3	2	TOTAL ORGANIC HALOGENS	N	2	2004	0.05	MG/L	U
OC14P23A04	O	C14P2	3	2	TOTAL ORGANIC HALOGENS	N	3	2004	0.05	MG/L	U
OC14P24A04	O	C14P2	3	2	TOTAL ORGANIC HALOGENS	N	4	2004	0.05	MG/L	U

Table 7.39. Raw Data for Total Organic Halogens. (Continued)

sample_no	location	well	well_no	aquifer	parameter	filtered	quarter	year	lab_result	units	lab_qual
OC18P21A04	O	C18P2	4	2	TOTAL ORGANIC HALOGENS	N	1	2004	0.05	MG/L	U
OC18P22A04	O	C18P2	4	2	TOTAL ORGANIC HALOGENS	N	2	2004	0.08	MG/L	
OC18P23A04	O	C18P2	4	2	TOTAL ORGANIC HALOGENS	N	3	2004	0.05	MG/L	U
OC18P24A04	O	C18P2	4	2	TOTAL ORGANIC HALOGENS	N	4	2004	0.1	MG/L	
OC19P21A04	O	C19P2	5	2	TOTAL ORGANIC HALOGENS	N	1	2004	0.05	MG/L	U
OC19P22A04	O	C19P2	5	2	TOTAL ORGANIC HALOGENS	N	2	2004	0.05	MG/L	U
OC19P23A04	O	C19P2	5	2	TOTAL ORGANIC HALOGENS	N	3	2004	0.05	MG/L	U
OC19P24A04	O	C19P2	5	2	TOTAL ORGANIC HALOGENS	N	4	2004	0.05	MG/L	UJ

OUTLIERS

In previous annual reports, outliers were tested and removed if they passed a regression analysis test and fell outside of our 99% confidence interval. Since only four quarters of data are being used, no outliers could be shown to be significant. Four data points are not enough to show a value to be an outlier However, most of the outliers previously reported were from older data.

DATA ANALYSIS

The data analysis is for five sets of data from five aquifers, the Ammunition Burning Grounds Beech Creek Aquifer, the Old Rifle Range Beech Creek Aquifer, the Old Rifle Range Big Clifty Aquifer, the Demo Range Big Clifty/Beech Creek Aquifer, and the Demo Range Pennsylvanian Aquifer. There are cases where a parameter had detections but not in all five sets of data.

On the following pages are tables showing the number of samples, the mean, the standard deviation, the minimum value, and the maximum value for each well for the parameters that had measurements taken in more than two quarters for at least some of the wells. In cases where the parameter was not detected, one-half of the detection limit was used as the value. There are cases where the lab recorded detection values that were less than the detection limit. In these cases, one-half of the detection limit was also used. A standard deviation of zero indicates all of the readings were the same. This usually implies that there were no detections. For cases where duplicate samples were taken, the average of the two values was used in the analysis. If for one of the samples the parameter was undetected, one-half of the detection limit was used to find the average. For the parameters that are sampled only once a year, the last four years of data were used. Also, note that even though SPA and SPC are not wells, they are shown as wells in the analysis. Below each table is a graph showing the mean value for each well. The wells are numbered on the graphs. These numbers correspond to the wells in the order they are shown in the table. Tables 7.40 thru 7.72 are for the Ammunition Burning Grounds, Tables 7.73 thru 7.90 are for the Old Rifle Range Beech Creek Aquifer, Tables 7.91 thru 7.100 are for the Old Rifle Range Big Clifty Aquifer, Tables 7.101 thru 7.114 are for the Demo Range Big Clifty/Beech Creek Aquifer, and Tables 7.115 thru 7.131 are for the Demo Range Pennsylvanian Aquifer.

EXPLOSIVES

AMMUNITION BURNING GROUNDS

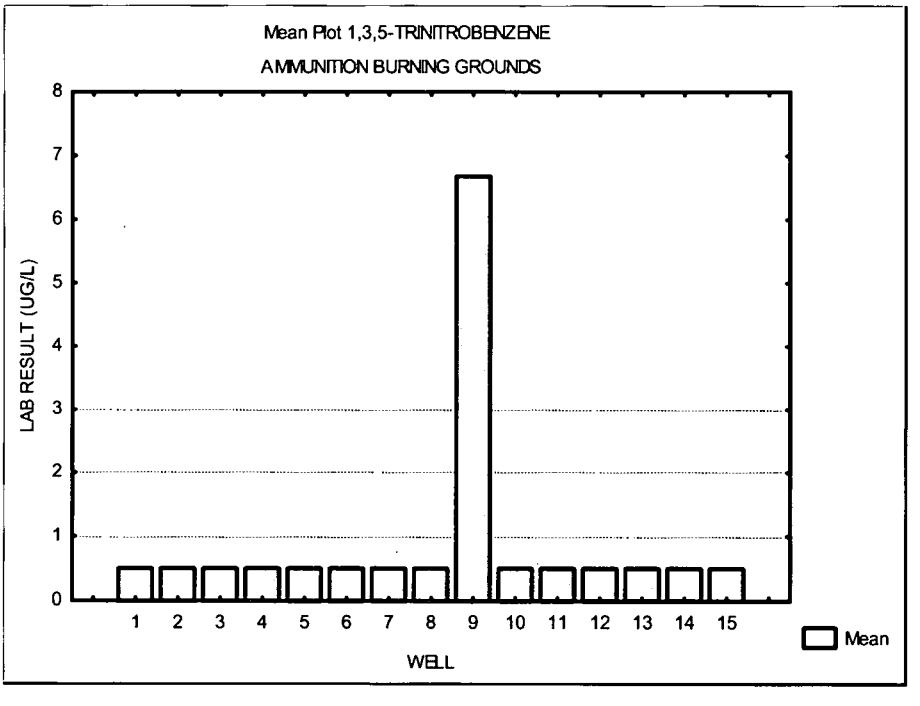
Tables 7.40 through 7.44

1,3,5-TRINITROBENZENE (UG/L)
AMMUNITION BURNING GROUNDS

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C02P2	0.500000	4	0.000000	0.500000	0.500000
2	C03	0.500000	4	0.000000	0.500000	0.500000
3	C04	0.500000	4	0.000000	0.500000	0.500000
4	C07	0.500000	4	0.000000	0.500000	0.500000
5	C08P2	0.500000	4	0.000000	0.500000	0.500000
6	C09P2	0.500000	4	0.000000	0.500000	0.500000
7	C15	0.500000	4	0.000000	0.500000	0.500000
8*	C17*	0.500000	3	0.000000	0.500000	0.500000
9	C20	6.675000	4	0.665207	5.900000	7.500000
10	C25	0.500000	4	0.000000	0.500000	0.500000
11	C26	0.500000	4	0.000000	0.500000	0.500000
12	C27	0.500000	3	0.000000	0.500000	0.500000
13	C30	0.500000	4	0.000000	0.500000	0.500000
14	SPA	0.500000	4	0.000000	0.500000	0.500000
15	SPC	0.500000	4	0.000000	0.500000	0.500000
	All Grps	0.925862	58	1.585744	0.500000	7.500000

Table 7.40.

* Denotes Upgradient Well

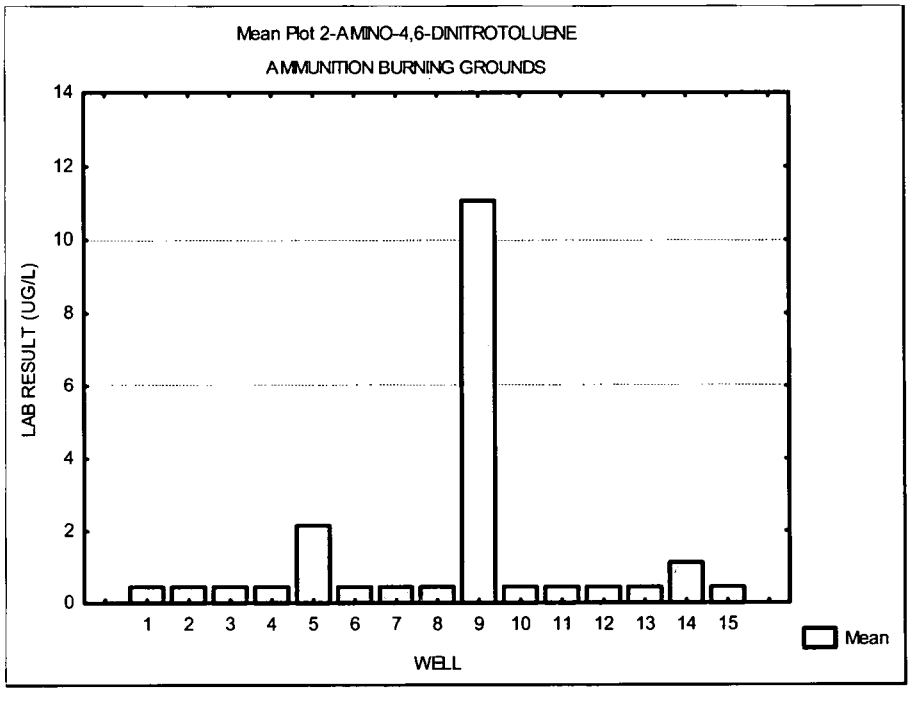


2-AMINO-4,6-DINITROTOLUENE (UG/L)
AMMUNITION BURNING GROUNDS

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C02P2	0.45000	4	0.000000	0.450000	0.45000
2	C03	0.45000	4	0.000000	0.450000	0.45000
3	C04	0.45000	4	0.000000	0.450000	0.45000
4	C07	0.45000	4	0.000000	0.450000	0.45000
5	C08P2	2.15000	4	0.251661	1.800000	2.40000
6	C09P2	0.45000	4	0.000000	0.450000	0.45000
7	C15	0.45000	4	0.000000	0.450000	0.45000
8*	C17*	0.45000	3	0.000000	0.450000	0.45000
9	C20	11.07500	4	1.512999	9.300000	13.00000
10	C25	0.45000	4	0.000000	0.450000	0.45000
11	C26	0.45000	4	0.000000	0.450000	0.45000
12	C27	0.45000	3	0.000000	0.450000	0.45000
13	C30	0.45000	4	0.000000	0.450000	0.45000
14	SPA	1.12500	4	0.920598	0.450000	2.40000
15	SPC	0.45000	4	0.000000	0.450000	0.45000
	All Grps	1.34655	58	2.739972	0.450000	13.00000

Table 7.41.

* Denotes Upgradient Well

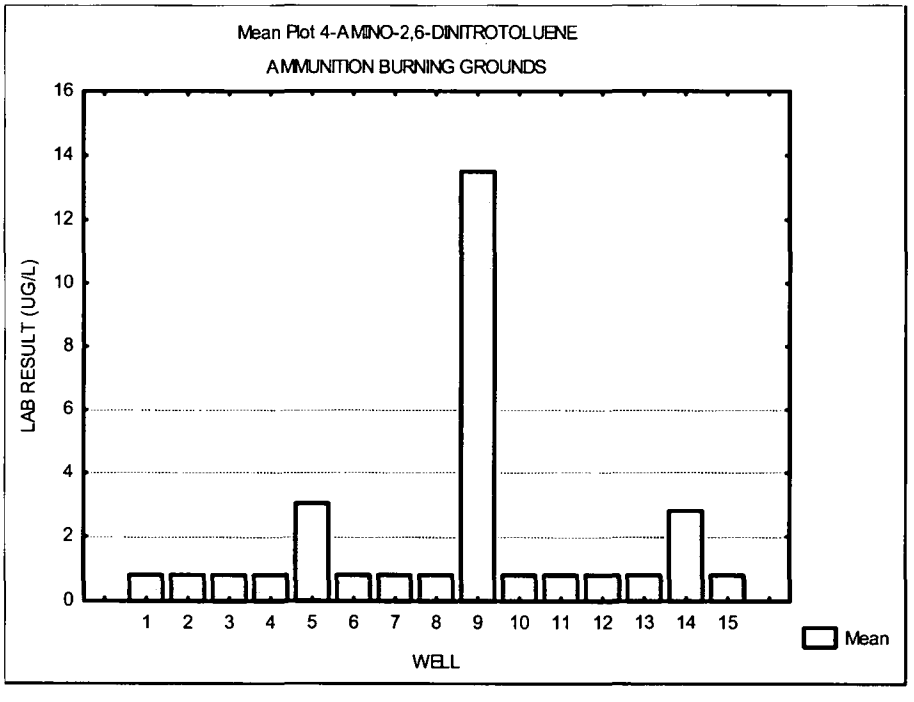


4-AMINO-2,6-DINITROTOLUENE (UG/L)
AMMUNITION BURNING GROUNDS

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C02P2	0.80000	4	0.000000	0.80000	0.80000
2	C03	0.80000	4	0.000000	0.80000	0.80000
3	C04	0.80000	4	0.000000	0.80000	0.80000
4	C07	0.80000	4	0.000000	0.80000	0.80000
5	C08P2	3.02500	4	0.359398	2.50000	3.30000
6	C09P2	0.80000	4	0.000000	0.80000	0.80000
7	C15	0.80000	4	0.000000	0.80000	0.80000
8*	C17*	0.80000	3	0.000000	0.80000	0.80000
9	C20	13.50000	4	2.081666	11.00000	16.00000
10	C25	0.80000	4	0.000000	0.80000	0.80000
11	C26	0.80000	4	0.000000	0.80000	0.80000
12	C27	0.80000	3	0.000000	0.80000	0.80000
13	C30	0.80000	4	0.000000	0.80000	0.80000
14	SPA	2.80000	4	2.737395	0.80000	6.60000
15	SPC	0.80000	4	0.000000	0.80000	0.80000
	All Grps	1.96724	58	3.345087	0.80000	16.00000

Table 7.42.

* Denotes Upgradient Well

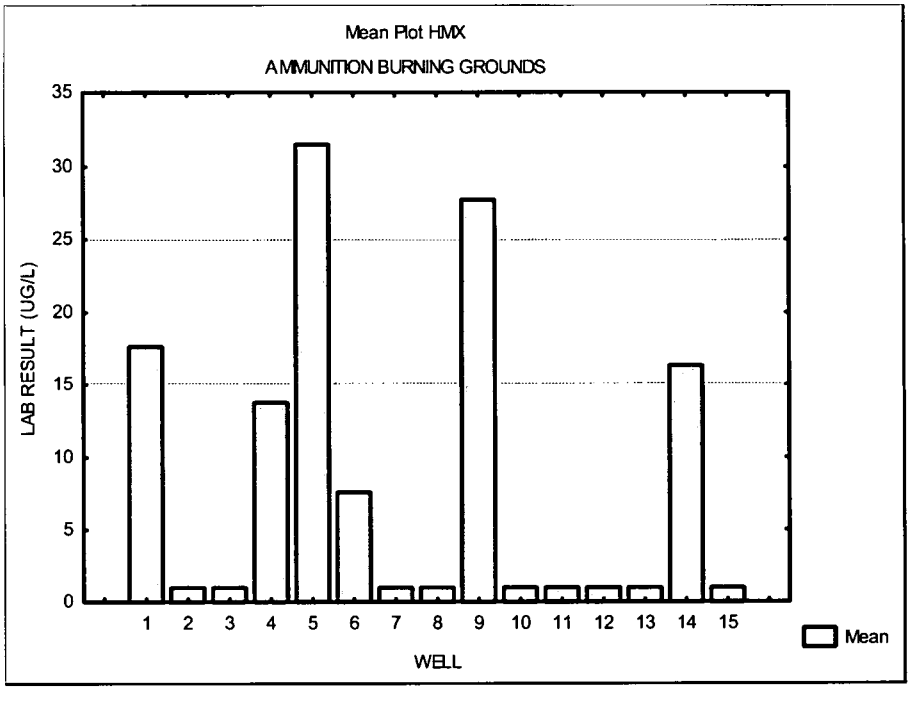


HMX (UG/L)
AMMUNITION BURNING GROUNDS

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C02P2	17.67500	4	15.45992	2.80000	32.00000
2	C03	1.00000	4	0.00000	1.00000	1.00000
3	C04	1.00000	4	0.00000	1.00000	1.00000
4	C07	13.75000	4	0.95743	13.00000	15.00000
5	C08P2	31.50000	4	2.64575	28.00000	34.00000
6	C09P2	7.60000	4	1.73973	5.90000	9.90000
7	C15	1.00000	4	0.00000	1.00000	1.00000
8*	C17*	1.00000	3	0.00000	1.00000	1.00000
9	C20	27.75000	4	4.27200	25.00000	34.00000
10	C25	1.00000	4	0.00000	1.00000	1.00000
11	C26	1.00000	4	0.00000	1.00000	1.00000
12	C27	1.00000	3	0.00000	1.00000	1.00000
13	C30	1.00000	4	0.00000	1.00000	1.00000
14	SPA	16.30000	4	13.29511	5.20000	33.00000
15	SPC	1.00000	4	0.00000	1.00000	1.00000
	All Grps	8.48793	58	11.50073	1.00000	34.00000

Table 7.43.

* Denotes Upgradient Well

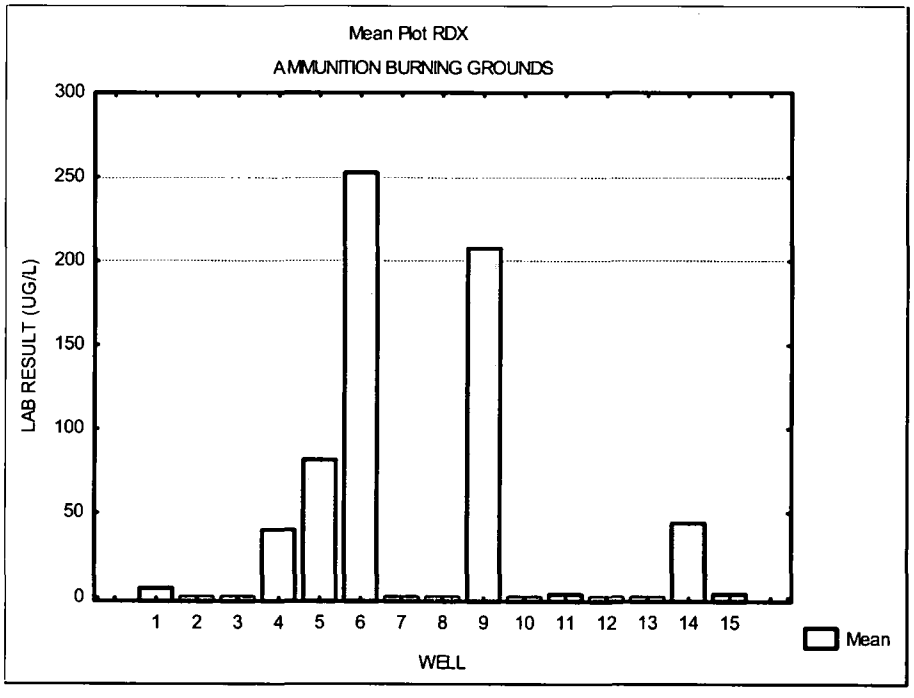


RDX (UG/L)
AMMUNITION BURNING GROUNDS

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C02P2	5.6250	4	4.72608	1.1000	10.0000
2	C03	0.3050	4	0.00000	0.3050	0.3050
3	C04	0.3050	4	0.00000	0.3050	0.3050
4	C07	39.7500	4	3.77492	36.0000	43.0000
5	C08P2	81.5000	4	7.59386	75.0000	92.0000
6	C09P2	252.5000	4	55.00000	200.0000	330.0000
7	C15	0.3050	4	0.00000	0.3050	0.3050
8*	C17*	0.3050	3	0.00000	0.3050	0.3050
9	C20	207.5000	4	41.93249	180.0000	270.0000
10	C25	0.3050	4	0.00000	0.3050	0.3050
11	C26	2.1000	4	0.72572	1.4000	3.1000
12	C27	0.3050	3	0.00000	0.3050	0.3050
13	C30	0.3050	4	0.00000	0.3050	0.3050
14	SPA	44.0000	4	41.83300	11.0000	100.0000
15	SPC	2.3625	4	1.52828	1.1500	4.6000
.	All Grps	43.9531	58	81.20742	0.3050	330.0000

Table 7.44.

* Denotes Upgradient Well



METALS

AMMUNITION BURNING GROUNDS

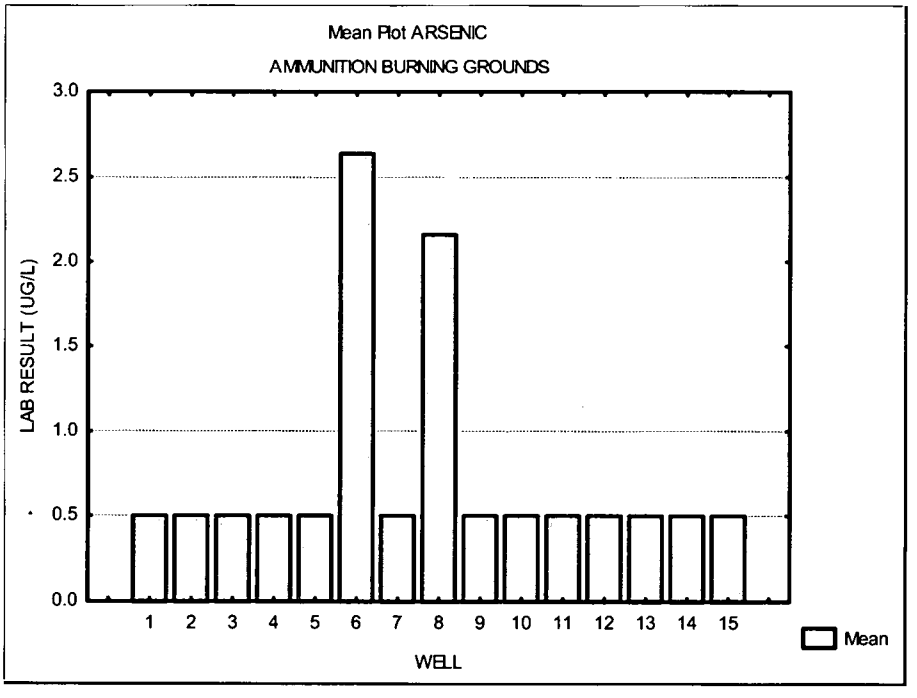
Tables 7.45 through 7.61

ARSENIC (UG/L)
AMMUNITION BURNING GROUNDS

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C02P2	0.500000	4	0.000000	0.500000	0.500000
2	C03	0.500000	4	0.000000	0.500000	0.500000
3	C04	0.500000	4	0.000000	0.500000	0.500000
4	C07	0.500000	4	0.000000	0.500000	0.500000
5	C08P2	0.500000	4	0.000000	0.500000	0.500000
6	C09P2	2.637500	4	0.426956	2.200000	3.200000
7	C15	0.500000	4	0.000000	0.500000	0.500000
8*	C17*	2.166667	3	0.057735	2.100000	2.200000
9	C20	0.500000	4	0.000000	0.500000	0.500000
10	C25	0.500000	4	0.000000	0.500000	0.500000
11	C26	0.500000	4	0.000000	0.500000	0.500000
12	C27	0.500000	3	0.000000	0.500000	0.500000
13	C30	0.500000	4	0.000000	0.500000	0.500000
14	SPA	0.500000	4	0.000000	0.500000	0.500000
15	SPC	0.500000	4	0.000000	0.500000	0.500000
	All Grps	0.733621	58	0.648844	0.500000	3.200000

Table 7.45.

* Denotes Upgradient Well

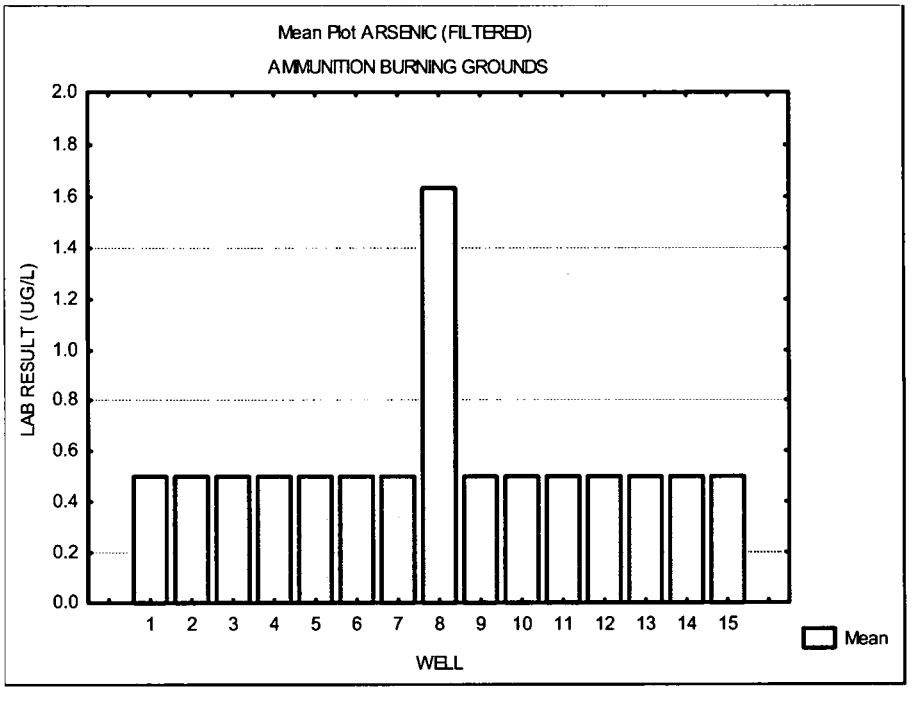


ARSENIC (FILTERED) (UG/L)
AMMUNITION BURNING GROUNDS

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C02P2	0.500000	4	0.000000	0.500000	0.500000
2	C03	0.500000	4	0.000000	0.500000	0.500000
3	C04	0.500000	4	0.000000	0.500000	0.500000
4	C07	0.500000	4	0.000000	0.500000	0.500000
5	C08P2	0.500000	4	0.000000	0.500000	0.500000
6	C09P2	0.500000	4	0.000000	0.500000	0.500000
7	C15	0.500000	4	0.000000	0.500000	0.500000
8*	C17*	1.633333	3	0.351188	1.300000	2.000000
9	C20	0.500000	4	0.000000	0.500000	0.500000
10	C25	0.500000	4	0.000000	0.500000	0.500000
11	C26	0.500000	4	0.000000	0.500000	0.500000
12	C27	0.500000	3	0.000000	0.500000	0.500000
13	C30	0.500000	4	0.000000	0.500000	0.500000
14	SPA	0.500000	4	0.000000	0.500000	0.500000
15	SPC	0.500000	4	0.000000	0.500000	0.500000
	All Grps	0.558621	58	0.261597	0.500000	2.000000

Table 7.46.

* Denotes Upgradient Well

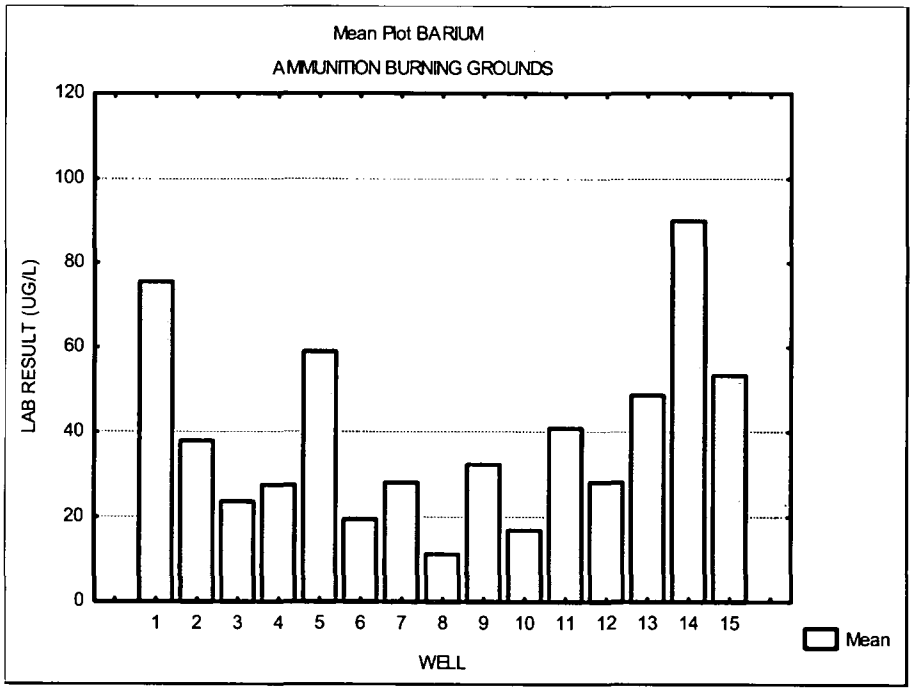


BARIUM (UG/L)
AMMUNITION BURNING GROUNDS

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C02P2	75.45000	4	25.61725	45.40000	97.4000
2	C03	37.87500	4	1.91551	36.10000	40.5000
3	C04	23.57500	4	0.61847	22.80000	24.3000
4	C07	27.50000	4	0.86410	26.70000	28.7000
5	C08P2	59.02500	4	4.31306	55.40000	65.0000
6	C09P2	19.45000	4	1.41539	18.00000	20.9000
7	C15	28.01250	4	0.34731	27.60000	28.4500
8*	C17*	11.26667	3	0.90185	10.40000	12.2000
9	C20	32.32500	4	1.80993	29.80000	34.1000
10	C25	16.90000	4	1.40712	16.00000	19.0000
11	C26	40.87500	4	3.36291	37.70000	45.6000
12	C27	28.13333	3	0.20817	27.90000	28.3000
13	C30	48.67500	4	10.30578	34.20000	56.4000
14	SPA	90.10000	4	35.97647	58.00000	130.0000
15	SPC	53.32500	4	14.03006	35.20000	66.1000
	All Grps	40.18190	58	24.30485	10.40000	130.0000

Table 7.47.

* Denotes Upgradient Well

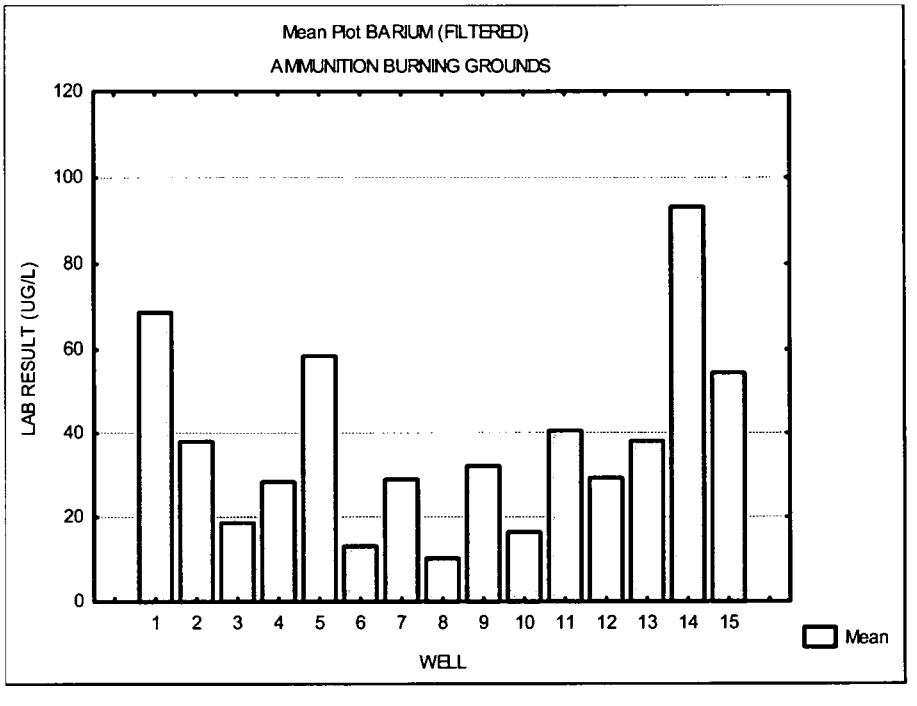


BARIUM (FILTERED) (UG/L)
AMMUNITION BURNING GROUNDS

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C02P2	75.27500	4	25.24406	43.80000	97.2000
2	C03	38.00000	4	2.55604	36.40000	41.8000
3	C04	18.62500	4	0.61305	18.00000	19.4000
4	C07	31.80000	4	6.95366	27.70000	42.2000
5	C08P2	58.50000	4	3.71394	54.70000	62.3000
6	C09P2	13.12500	4	1.39374	12.20000	15.2000
7	C15	28.95000	4	1.48380	27.40000	30.9000
8*	C17*	10.26667	3	0.64291	9.80000	11.0000
9	C20	32.12500	4	0.99121	31.20000	33.4000
10	C25	16.40000	4	2.29202	14.80000	19.8000
11	C26	40.50000	4	2.36220	38.10000	43.6000
12	C27	29.23333	3	0.85049	28.40000	30.1000
13	C30	38.05000	4	5.52238	33.50000	45.3000
14	SPA	93.15000	4	34.98624	57.20000	133.0000
15	SPC	54.20000	4	15.55490	33.95000	67.5000
	All Grps	39.19483	58	25.15064	9.80000	133.0000

Table 7.48.

* Denotes Upgradient Well

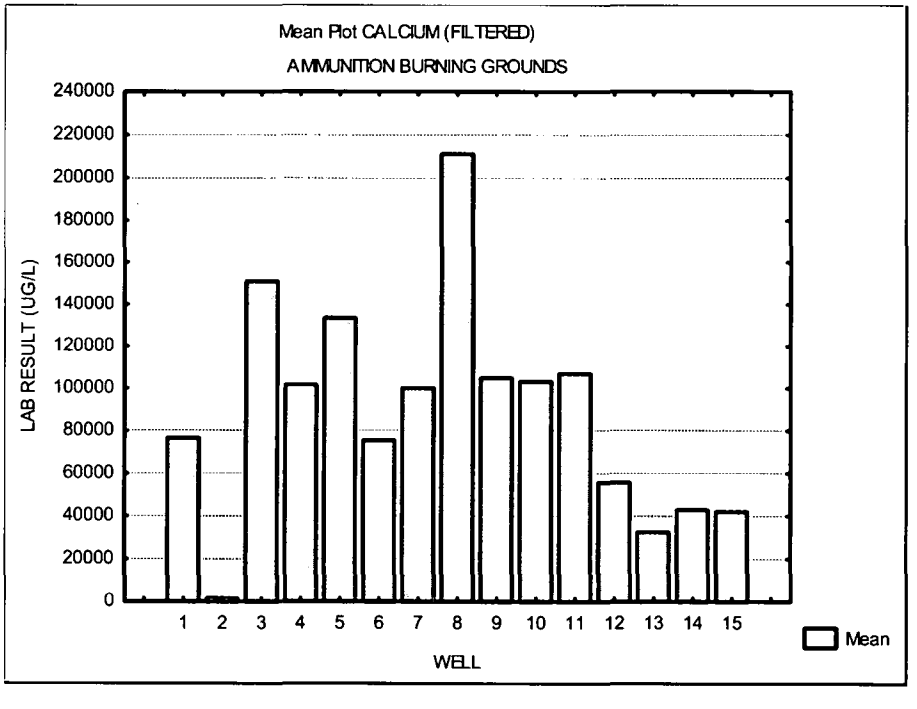


CALCIUM (FILTERED) (UG/L)
AMMUNITION BURNING GROUNDS

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C02P2	68950.0	4	38914.48	27800.0	112000.0
2	C03	1370.0	4	208.49	1150.0	1610.0
3	C04	151000.0	4	4966.55	147000.0	158000.0
4	C07	102950.0	4	3616.17	99800.0	107000.0
5	C08P2	133500.0	4	5446.71	129000.0	141000.0
6	C09P2	75412.5	4	3682.48	71400.0	80050.0
7	C15	100062.5	4	13730.34	91650.0	120500.0
8*	C17*	211166.7	3	21250.49	190000.0	232500.0
9	C20	104900.0	4	4401.51	99600.0	109000.0
10	C25	103250.0	4	4573.47	98000.0	109000.0
11	C26	107025.0	4	8610.22	99100.0	119000.0
12	C27	55700.0	3	854.40	54800.0	56500.0
13	C30	32575.0	4	7275.24	26900.0	42300.0
14	SPA	42800.0	4	18376.25	25400.0	66300.0
15	SPC	41912.5	4	18291.73	18150.0	61000.0
	All Grps	87300.5	58	50887.00	1150.0	232500.0

Table 7.49.

* Denotes Upgradient Well

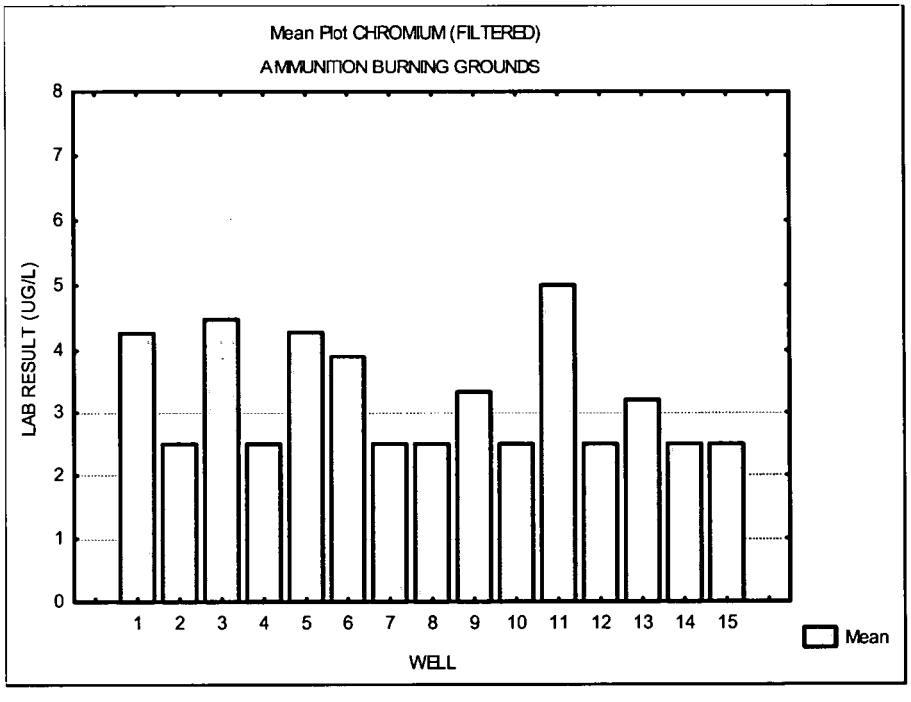


CHROMIUM (FILTERED) (UG/L)
AMMUNITION BURNING GROUNDS

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C02P2	2.500000	4	0.000000	2.500000	2.50000
2	C03	2.500000	4	0.000000	2.500000	2.50000
3	C04	4.475000	4	3.950000	2.500000	10.40000
4	C07	4.700000	4	4.400000	2.500000	11.30000
5	C08P2	4.275000	4	3.550000	2.500000	9.60000
6	C09P2	3.900000	4	2.800000	2.500000	8.10000
7	C15	2.500000	4	0.000000	2.500000	2.50000
8*	C17*	2.500000	3	0.000000	2.500000	2.50000
9	C20	3.325000	4	1.650000	2.500000	5.80000
10	C25	2.500000	4	0.000000	2.500000	2.50000
11	C26	5.000000	4	5.000000	2.500000	12.50000
12	C27	2.500000	3	0.000000	2.500000	2.50000
13	C30	3.200000	4	1.400000	2.500000	5.30000
14	SPA	2.500000	4	0.000000	2.500000	2.50000
15	SPC	2.500000	4	0.000000	2.500000	2.50000
	All Grps	3.284483	58	2.311892	2.500000	12.50000

Table 7.50.

* Denotes Upgradient Well

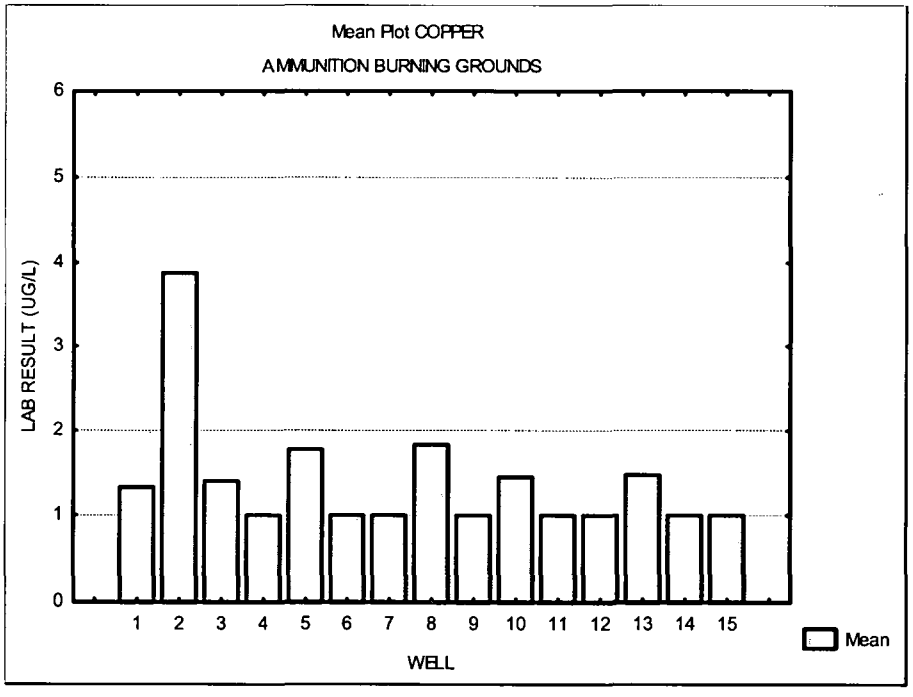


COPPER (UG/L)
AMMUNITION BURNING GROUNDS

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C02P2	1.325000	4	0.650000	1.000000	2.300000
2	C03	3.875000	4	2.922756	1.000000	7.900000
3	C04	1.400000	4	0.800000	1.000000	2.600000
4	C07	1.000000	4	0.000000	1.000000	1.000000
5	C08P2	1.775000	4	1.550000	1.000000	4.100000
6	C09P2	1.000000	4	0.000000	1.000000	1.000000
7	C15	1.000000	4	0.000000	1.000000	1.000000
8*	C17*	1.833333	3	1.443376	1.000000	3.500000
9	C20	1.000000	4	0.000000	1.000000	1.000000
10	C25	1.450000	4	0.900000	1.000000	2.800000
11	C26	1.000000	4	0.000000	1.000000	1.000000
12	C27	1.000000	3	0.000000	1.000000	1.000000
13	C30	1.475000	4	0.950000	1.000000	2.900000
14	SPA	1.000000	4	0.000000	1.000000	1.000000
15	SPC	1.000000	4	0.000000	1.000000	1.000000
	All Grps	1.408621	58	1.154440	1.000000	7.900000

Table 7.51.

* Denotes Upgradient Well

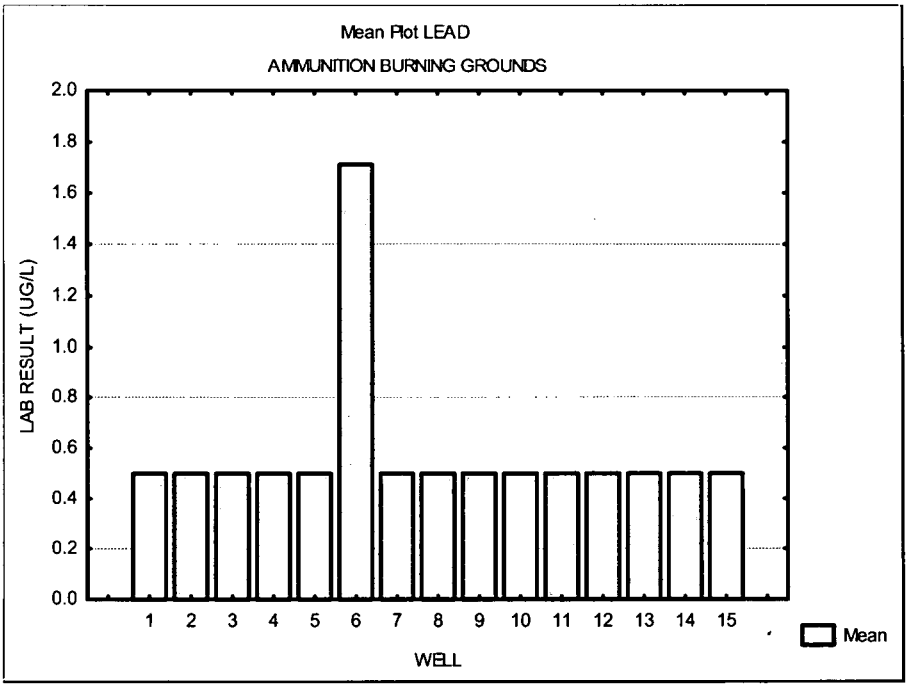


LEAD (UG/L)
AMMUNITION BURNING GROUNDS

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C02P2	0.500000	4	0.000000	0.500000	0.500000
2	C03	0.500000	4	0.000000	0.500000	0.500000
3	C04	0.500000	4	0.000000	0.500000	0.500000
4	C07	0.500000	4	0.000000	0.500000	0.500000
5	C08P2	0.500000	4	0.000000	0.500000	0.500000
6	C09P2	1.712500	4	0.444175	1.300000	2.250000
7	C15	0.500000	4	0.000000	0.500000	0.500000
8*	C17*	0.500000	3	0.000000	0.500000	0.500000
9	C20	0.500000	4	0.000000	0.500000	0.500000
10	C25	0.500000	4	0.000000	0.500000	0.500000
11	C26	0.500000	4	0.000000	0.500000	0.500000
12	C27	0.500000	3	0.000000	0.500000	0.500000
13	C30	0.500000	4	0.000000	0.500000	0.500000
14	SPA	0.500000	4	0.000000	0.500000	0.500000
15	SPC	0.500000	4	0.000000	0.500000	0.500000
	All Grps	0.583621	58	0.326248	0.500000	2.250000

Table 7.52.

* Denotes Upgradient Well

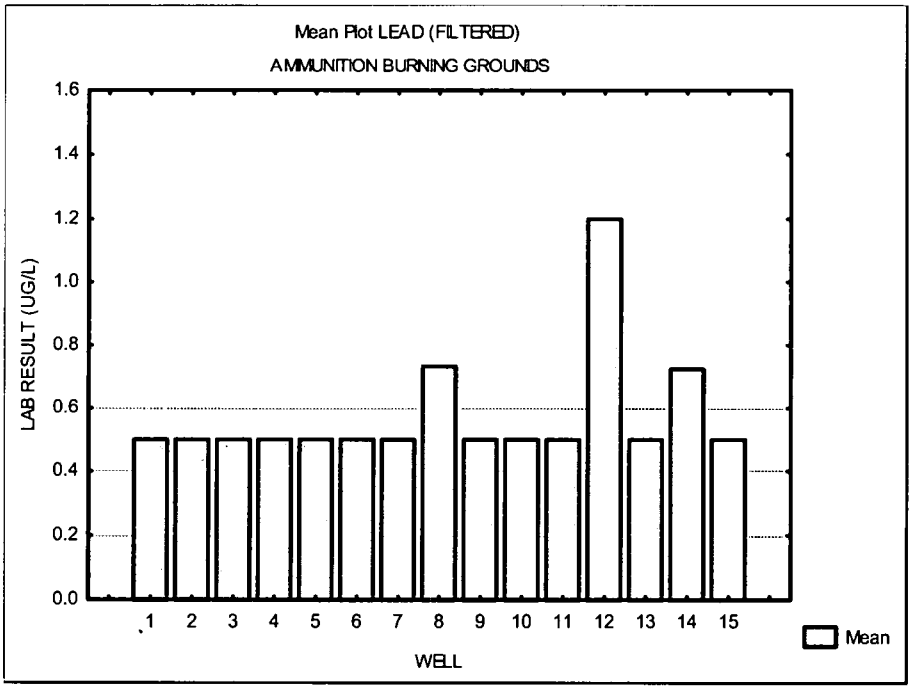


LEAD (FILTERED) (UG/L)
AMMUNITION BURNING GROUNDS

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C02P2	0.500000	4	0.000000	0.500000	0.500000
2	C03	0.500000	4	0.000000	0.500000	0.500000
3	C04	0.500000	4	0.000000	0.500000	0.500000
4	C07	0.500000	4	0.000000	0.500000	0.500000
5	C08P2	0.500000	4	0.000000	0.500000	0.500000
6	C09P2	0.500000	4	0.000000	0.500000	0.500000
7	C15	0.500000	4	0.000000	0.500000	0.500000
8*	C17*	0.733333	3	0.404145	0.500000	1.200000
9	C20	0.500000	4	0.000000	0.500000	0.500000
10	C25	0.500000	4	0.000000	0.500000	0.500000
11	C26	0.500000	4	0.000000	0.500000	0.500000
12	C27	1.200000	3	1.212436	0.500000	2.600000
13	C30	0.500000	4	0.000000	0.500000	0.500000
14	SPA	0.725000	4	0.450000	0.500000	1.400000
15	SPC	0.500000	4	0.000000	0.500000	0.500000
	All Grps	0.563793	58	0.309894	0.500000	2.600000

Table 7.53.

* Denotes Upgradient Well

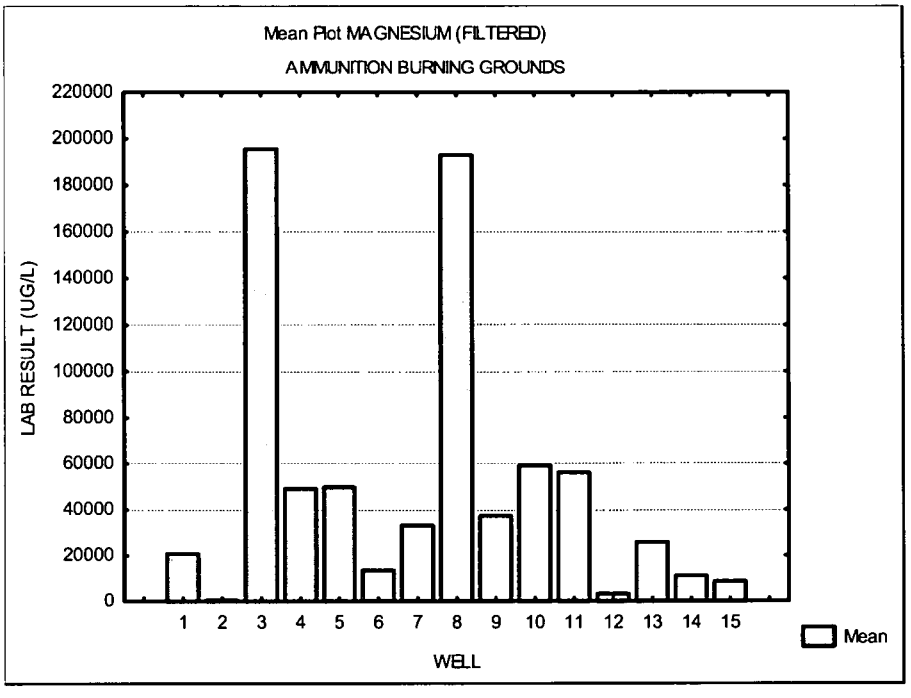


MAGNESIUM (FILTERED) (UG/L)
AMMUNITION BURNING GROUNDS

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C02P2	14097.5	4	5241.31	6390.0	17800.0
2	C03	500.0	4	0.00	500.0	500.0
3	C04	195500.0	4	9814.95	189000.0	210000.0
4	C07	48675.0	4	1860.78	47000.0	51200.0
5	C08P2	49675.0	4	942.96	48600.0	50800.0
6	C09P2	13562.5	4	799.35	12500.0	14400.0
7	C15	33050.0	4	1967.23	31400.0	35800.0
8*	C17*	192833.3	3	7522.19	185000.0	200000.0
9	C20	37250.0	4	2056.70	35300.0	39800.0
10	C25	59125.0	4	1284.20	58200.0	61000.0
11	C26	56125.0	4	2083.87	53400.0	57900.0
12	C27	3200.0	3	672.24	2730.0	3970.0
13	C30	25775.0	4	3765.97	22100.0	30800.0
14	SPA	11250.0	4	3704.50	6400.0	15400.0
15	SPC	8676.3	4	3338.26	4135.0	11600.0
	All Grps	48295.6	58	57839.65	500.0	210000.0

Table 7.54.

* Denotes Upgradient Well

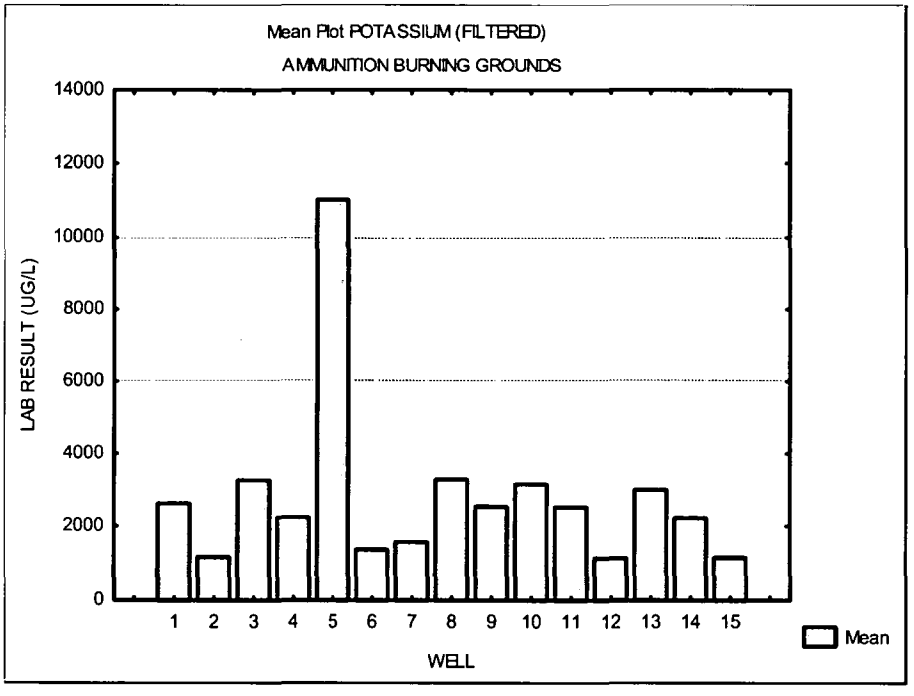


POTASSIUM (FILTERED) (UG/L)
AMMUNITION BURNING GROUNDS

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C02P2	2415.00	4	747.641	1310.000	2950.00
2	C03	1160.00	4	207.686	1030.000	1470.00
3	C04	3250.00	4	543.139	2810.000	4040.00
4	C07	2515.00	4	707.130	1830.000	3380.00
5	C08P2	11002.50	4	3014.856	7660.000	13700.00
6	C09P2	1357.50	4	325.640	1170.000	1845.00
7	C15	1566.25	4	284.176	1385.000	1990.00
8*	C17*	3278.33	3	218.422	3095.000	3520.00
9	C20	2525.00	4	562.643	2100.000	3340.00
10	C25	3140.00	4	1121.101	2510.000	4820.00
11	C26	2510.00	4	515.946	2020.000	2990.00
12	C27	1136.67	3	109.697	1050.000	1260.00
13	C30	2987.50	4	598.463	2340.000	3770.00
14	SPA	2215.00	4	646.142	1270.000	2730.00
15	SPC	1140.00	4	452.843	500.000	1560.00
	All Grps	2834.14	58	2510.240	500.000	13700.00

Table 7.55.

* Denotes Upgradient Well

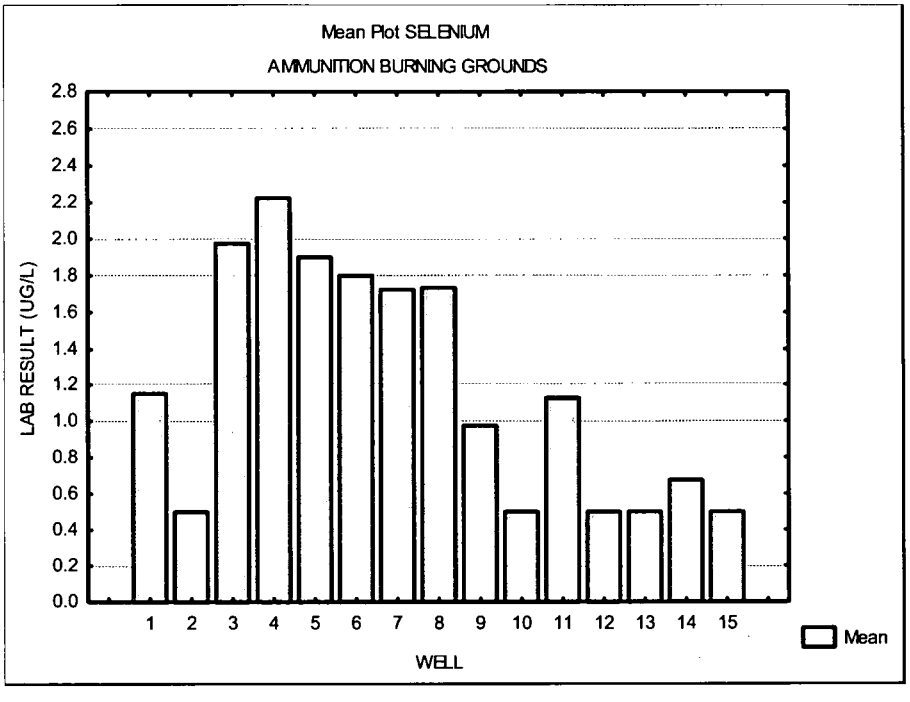


SELENIUM (UG/L)
AMMUNITION BURNING GROUNDS

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C02P2	1.150000	4	0.896289	0.500000	2.400000
2	C03	0.500000	4	0.000000	0.500000	0.500000
3	C04	1.975000	4	1.050000	0.500000	2.900000
4	C07	2.225000	4	0.877021	1.100000	3.100000
5	C08P2	1.900000	4	1.067708	0.500000	3.100000
6	C09P2	1.800000	4	0.989949	0.500000	2.900000
7	C15	1.725000	4	0.822091	0.500000	2.200000
8*	C17*	1.733333	3	0.602771	1.100000	2.300000
9	C20	0.975000	4	0.585235	0.500000	1.700000
10	C25	0.500000	4	0.000000	0.500000	0.500000
11	C26	1.125000	4	0.750000	0.500000	2.000000
12	C27	0.500000	3	0.000000	0.500000	0.500000
13	C30	0.500000	4	0.000000	0.500000	0.500000
14	SPA	0.675000	4	0.350000	0.500000	1.200000
15	SPC	0.500000	4	0.000000	0.500000	0.500000
	All Grps	1.187931	58	0.866750	0.500000	3.100000

Table 7.56.

* Denotes Upgradient Well

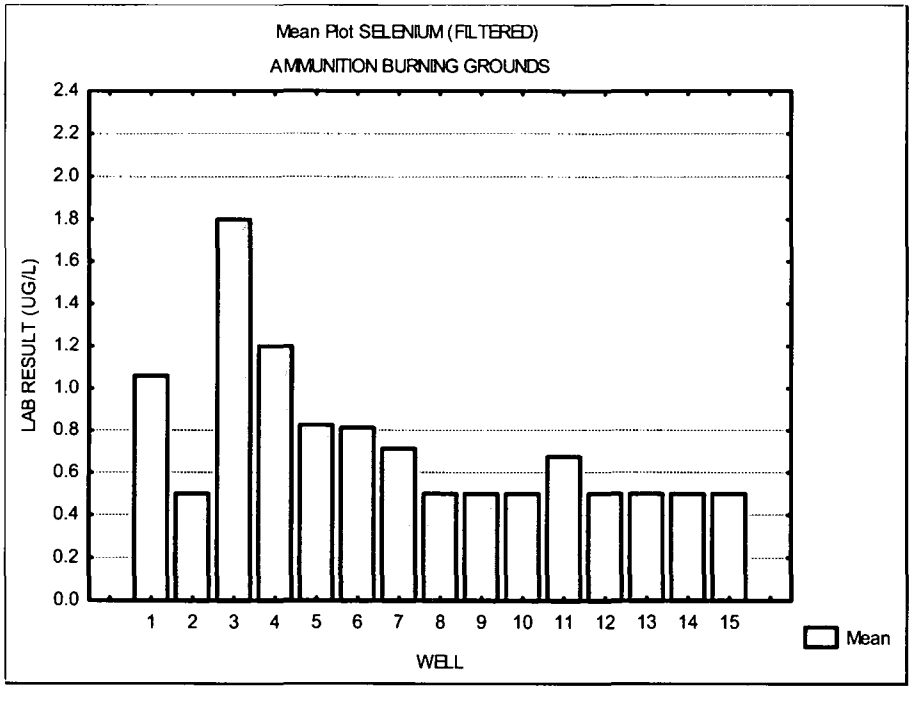


SELENIUM (FILTERED) (UG/L)
AMMUNITION BURNING GROUNDS

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C02P2	0.500000	4	0.000000	0.500000	0.500000
2	C03	0.500000	4	0.000000	0.500000	0.500000
3	C04	1.800000	4	0.711805	1.200000	2.800000
4	C07	1.725000	4	1.059481	1.000000	3.300000
5	C08P2	0.825000	4	0.650000	0.500000	1.800000
6	C09P2	0.812500	4	0.625000	0.500000	1.750000
7	C15	0.712500	4	0.425000	0.500000	1.350000
8*	C17*	0.500000	3	0.000000	0.500000	0.500000
9	C20	0.500000	4	0.000000	0.500000	0.500000
10	C25	0.500000	4	0.000000	0.500000	0.500000
11	C26	0.675000	4	0.350000	0.500000	1.200000
12	C27	0.500000	3	0.000000	0.500000	0.500000
13	C30	0.500000	4	0.000000	0.500000	0.500000
14	SPA	0.500000	4	0.000000	0.500000	0.500000
15	SPC	0.500000	4	0.000000	0.500000	0.500000
	All Grps	0.744828	58	0.571831	0.500000	3.300000

Table 7.57.

* Denotes Upgradient Well

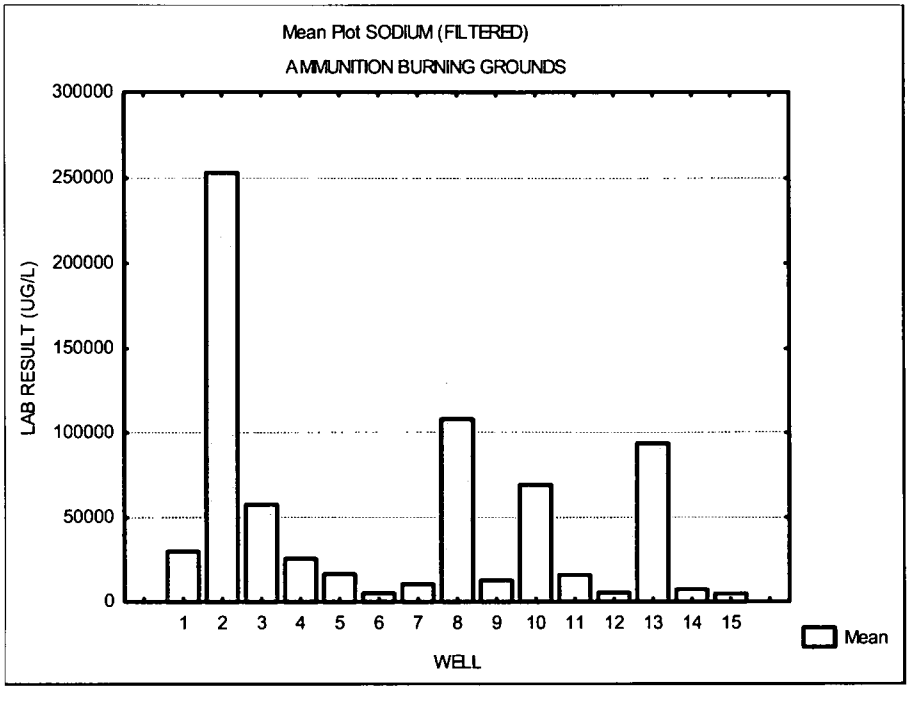


SODIUM (FILTERED) (UG/L)
AMMUNITION BURNING GROUNDS

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C02P2	30575.0	4	13724.76	14900.0	43300.0
2	C03	253250.0	4	35649.92	209000.0	293000.0
3	C04	57675.0	4	5040.75	53100.0	62800.0
4	C07	26125.0	4	1228.48	24700.0	27700.0
5	C08P2	16475.0	4	1668.08	14800.0	18400.0
6	C09P2	5157.5	4	1219.59	4275.0	6955.0
7	C15	10548.8	4	2355.61	8940.0	14050.0
8*	C17*	108000.0	3	2000.00	106000.0	110000.0
9	C20	12775.0	4	2597.92	10800.0	16600.0
10	C25	69325.0	4	1668.08	67000.0	70900.0
11	C26	15875.0	4	1438.46	14000.0	17500.0
12	C27	5410.0	3	292.06	5140.0	5720.0
13	C30	93700.0	4	6907.97	87800.0	101000.0
14	SPA	7312.5	4	2744.51	3950.0	10600.0
15	SPC	4856.3	4	1444.70	2915.0	6380.0
	All Grps	47497.1	58	65320.08	2915.0	293000.0

Table 7.58.

* Denotes Upgradient Well

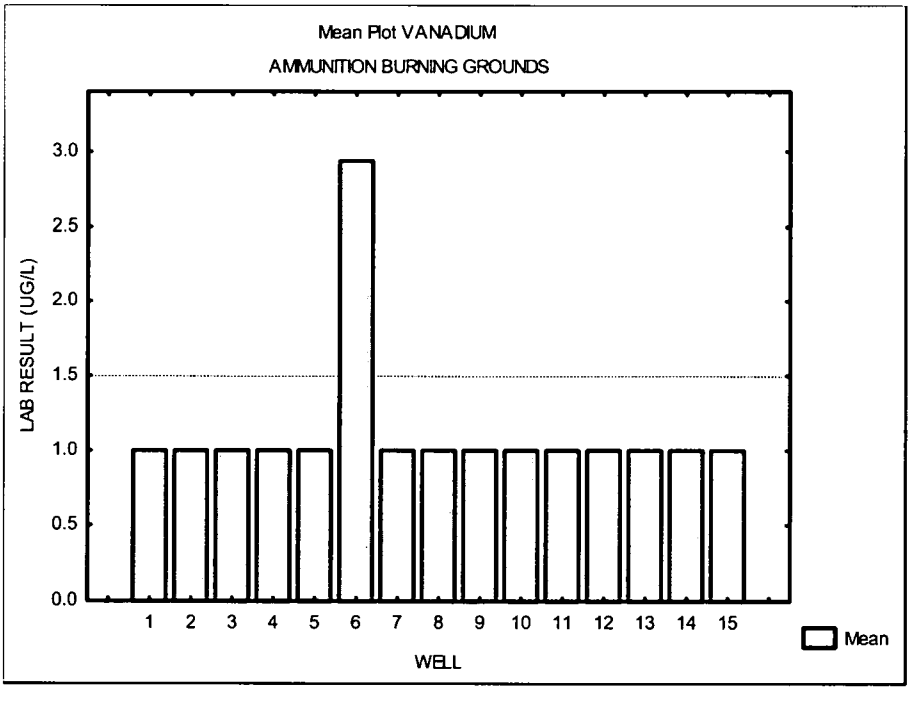


VANADIUM (UG/L)
AMMUNITION BURNING GROUNDS

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C02P2	1.000000	4	0.000000	1.000000	1.000000
2	C03	1.000000	4	0.000000	1.000000	1.000000
3	C04	1.000000	4	0.000000	1.000000	1.000000
4	C07	1.000000	4	0.000000	1.000000	1.000000
5	C08P2	1.000000	4	0.000000	1.000000	1.000000
6	C09P2	2.937500	4	0.601907	2.300000	3.750000
7	C15	1.000000	4	0.000000	1.000000	1.000000
8*	C17*	1.000000	3	0.000000	1.000000	1.000000
9	C20	1.000000	4	0.000000	1.000000	1.000000
10	C25	1.000000	4	0.000000	1.000000	1.000000
11	C26	1.000000	4	0.000000	1.000000	1.000000
12	C27	1.000000	3	0.000000	1.000000	1.000000
13	C30	1.000000	4	0.000000	1.000000	1.000000
14	SPA	1.000000	4	0.000000	1.000000	1.000000
15	SPC	1.000000	4	0.000000	1.000000	1.000000
	All Grps	1.133621	58	0.514133	1.000000	3.750000

Table 7.59.

* Denotes Upgradient Well

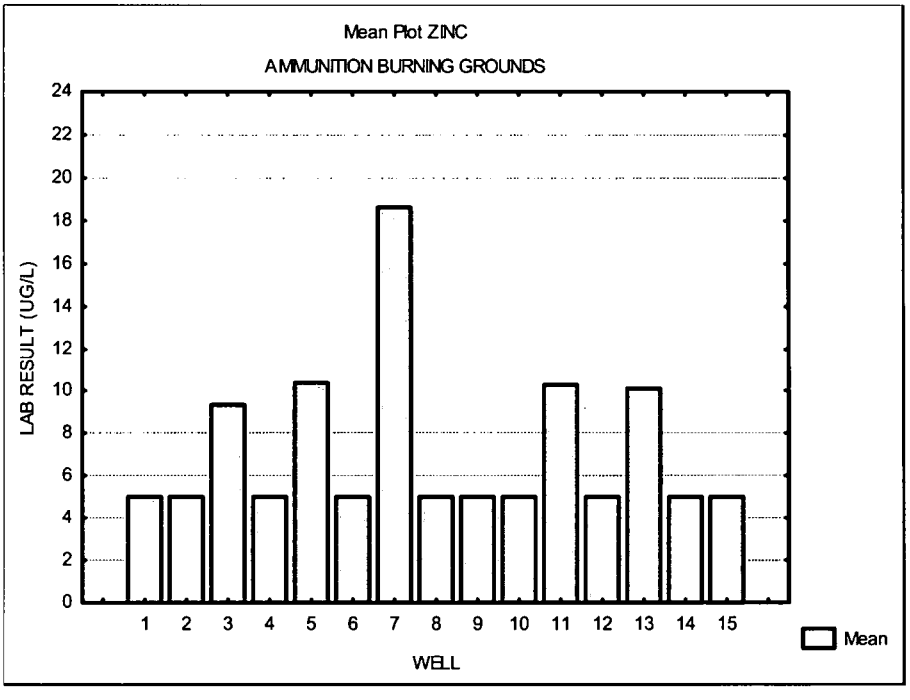


ZINC (UG/L)
AMMUNITION BURNING GROUNDS

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C02P2	5.00000	4	0.00000	5.000000	5.00000
2	C03	5.00000	4	0.00000	5.000000	5.00000
3	C04	9.32500	4	8.65000	5.000000	22.30000
4	C07	5.00000	4	0.00000	5.000000	5.00000
5	C08P2	10.37500	4	6.95719	5.000000	19.60000
6	C09P2	5.00000	4	0.00000	5.000000	5.00000
7	C15	18.63750	4	27.27500	5.000000	59.55000
8*	C17*	5.00000	3	0.00000	5.000000	5.00000
9	C20	5.00000	4	0.00000	5.000000	5.00000
10	C25	5.00000	4	0.00000	5.000000	5.00000
11	C26	10.27500	4	10.55000	5.000000	26.10000
12	C27	5.00000	3	0.00000	5.000000	5.00000
13	C30	10.10000	4	10.20000	5.000000	25.40000
14	SPA	5.00000	4	0.00000	5.000000	5.00000
15	SPC	5.00000	4	0.00000	5.000000	5.00000
	All Grps	7.32500	58	8.46417	5.000000	59.55000

Table 7.60.

* Denotes Upgradient Well

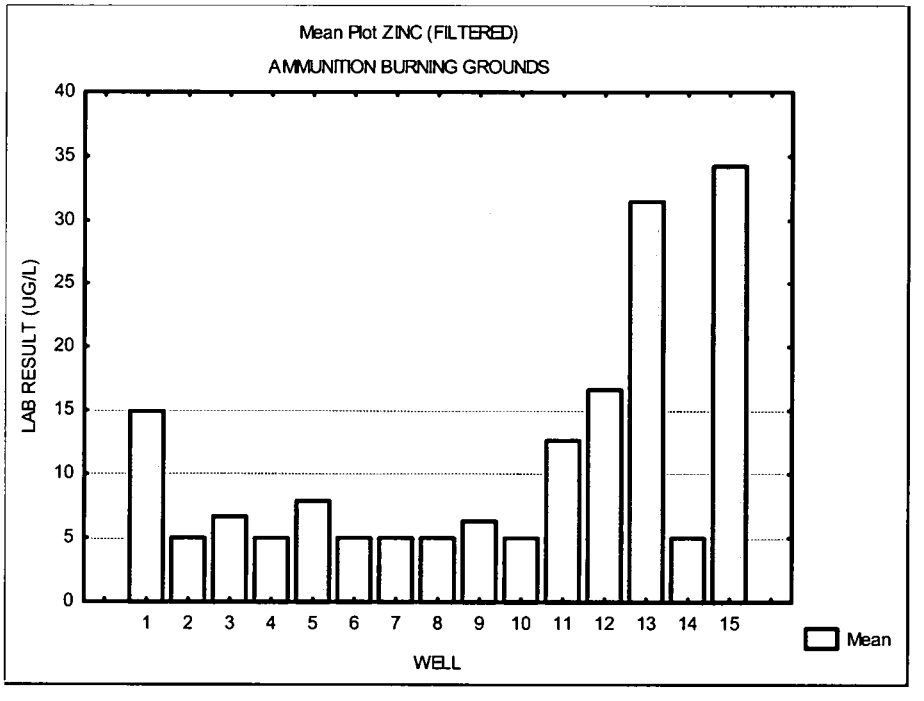


ZINC (FILTERED) (UG/L)
AMMUNITION BURNING GROUNDS

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C02P2	17.40000	4	24.80000	5.000000	54.6000
2	C03	5.00000	4	0.00000	5.000000	5.0000
3	C04	6.65000	4	3.30000	5.000000	11.6000
4	C07	5.00000	4	0.00000	5.000000	5.0000
5	C08P2	7.87500	4	5.75000	5.000000	16.5000
6	C09P2	5.00000	4	0.00000	5.000000	5.0000
7	C15	5.00000	4	0.00000	5.000000	5.0000
8*	C17*	5.00000	3	0.00000	5.000000	5.0000
9	C20	6.30000	4	2.60000	5.000000	10.2000
10	C25	5.00000	4	0.00000	5.000000	5.0000
11	C26	12.65000	4	15.30000	5.000000	35.6000
12	C27	16.63333	3	20.14952	5.000000	39.9000
13	C30	31.50000	4	53.00000	5.000000	111.0000
14	SPA	5.00000	4	0.00000	5.000000	5.0000
15	SPC	34.25000	4	58.50000	5.000000	122.0000
	All Grps	11.23103	58	21.96108	5.000000	122.0000

Table 7.61.

* Denotes Upgradient Well



VOLATILE ORGANIC COMPOUNDS

AMMUNITION BURNING GROUNDS

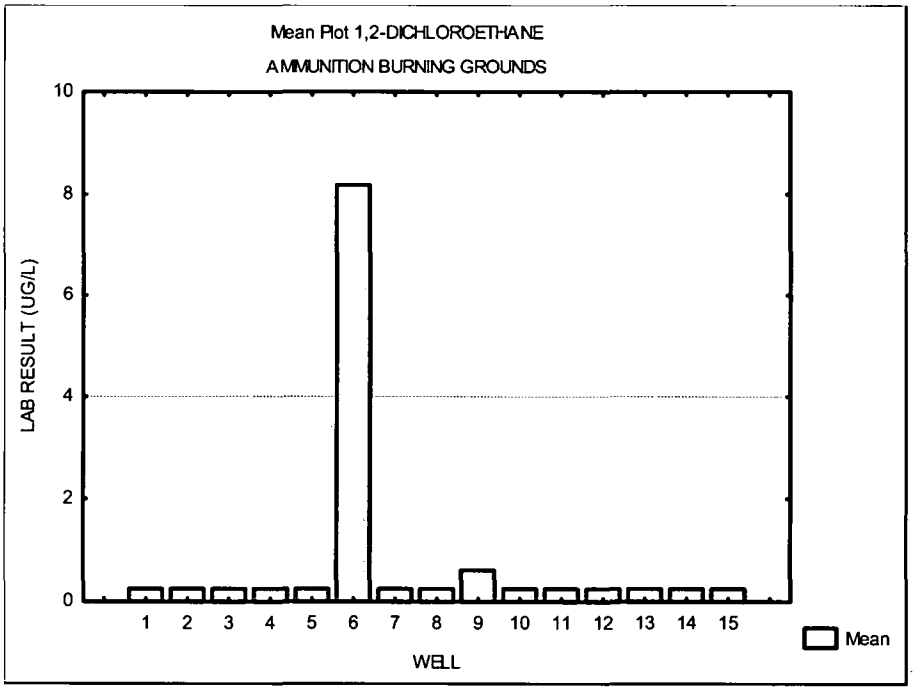
Tables 7.62 through 7.68

1,2-DICHLOROETHANE (UG/L)
AMMUNITION BURNING GROUNDS

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C02P2	0.250000	4	0.000000	0.250000	0.250000
2	C03	0.250000	4	0.000000	0.250000	0.250000
3	C04	0.250000	4	0.000000	0.250000	0.250000
4	C07	0.250000	4	0.000000	0.250000	0.250000
5	C08P2	0.250000	4	0.000000	0.250000	0.250000
6	C09P2	8.187500	4	1.068000	7.200000	9.600000
7	C15	0.250000	4	0.000000	0.250000	0.250000
8*	C17*	0.250000	3	0.000000	0.250000	0.250000
9	C20	0.612495	4	0.271948	0.250000	0.899990
10	C25	0.250000	3	0.000000	0.250000	0.250000
11	C26	0.250000	4	0.000000	0.250000	0.250000
12	C27	0.250000	3	0.000000	0.250000	0.250000
13	C30	0.250000	4	0.000000	0.250000	0.250000
14	SPA	0.250000	4	0.000000	0.250000	0.250000
15	SPC	0.250000	4	0.000000	0.250000	0.250000
	All Grps	0.832456	57	2.056555	0.250000	9.600000

Table 7.62.

* Denotes Upgradient Well

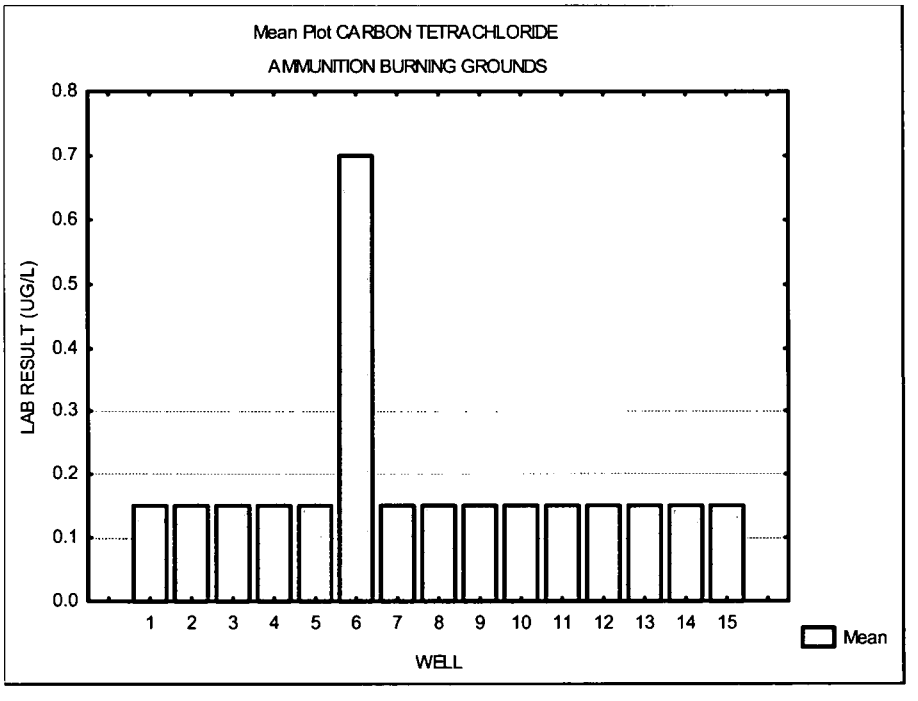


CARBON TETRACHLORIDE (UG/L)
AMMUNITION BURNING GROUNDS

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C02P2	0.150000	4	0.000000	0.150000	0.150000
2	C03	0.150000	4	0.000000	0.150000	0.150000
3	C04	0.150000	4	0.000000	0.150000	0.150000
4	C07	0.150000	4	0.000000	0.150000	0.150000
5	C08P2	0.150000	4	0.000000	0.150000	0.150000
6	C09P2	0.699998	4	0.081650	0.600000	0.800000
7	C15	0.150000	4	0.000000	0.150000	0.150000
8*	C17*	0.150000	3	0.000000	0.150000	0.150000
9	C20	0.150000	4	0.000000	0.150000	0.150000
10	C25	0.150000	3	0.000000	0.150000	0.150000
11	C26	0.150000	4	0.000000	0.150000	0.150000
12	C27	0.150000	3	0.000000	0.150000	0.150000
13	C30	0.150000	4	0.000000	0.150000	0.150000
14	SPA	0.150000	4	0.000000	0.150000	0.150000
15	SPC	0.150000	4	0.000000	0.150000	0.150000
	All Grps	0.188596	57	0.142996	0.150000	0.800000

Table 7.63.

* Denotes Upgradient Well

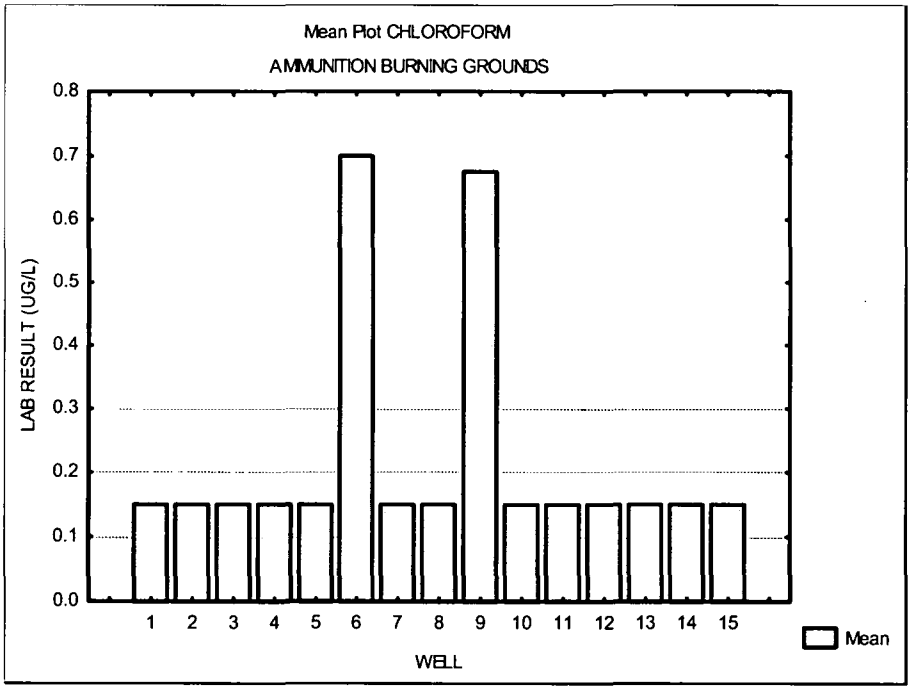


CHLOROFORM (UG/L)
AMMUNITION BURNING GROUNDS

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C02P2	0.150000	4	0.000000	0.150000	0.150000
2	C03	0.150000	4	0.000000	0.150000	0.150000
3	C04	0.150000	4	0.000000	0.150000	0.150000
4	C07	0.150000	4	0.000000	0.150000	0.150000
5	C08P2	0.150000	4	0.000000	0.150000	0.150000
6	C09P2	0.699998	4	0.081650	0.600000	0.800000
7	C15	0.150000	4	0.000000	0.150000	0.150000
8*	C17*	0.150000	3	0.000000	0.150000	0.150000
9	C20	0.675000	4	0.095743	0.600000	0.800000
10	C25	0.150000	3	0.000000	0.150000	0.150000
11	C26	0.150000	4	0.000000	0.150000	0.150000
12	C27	0.150000	3	0.000000	0.150000	0.150000
13	C30	0.150000	4	0.000000	0.150000	0.150000
14	SPA	0.150000	4	0.000000	0.150000	0.150000
15	SPC	0.150000	4	0.000000	0.150000	0.150000
	All Grps	0.225438	57	0.190657	0.150000	0.800000

Table 7.64.

* Denotes Upgradient Well

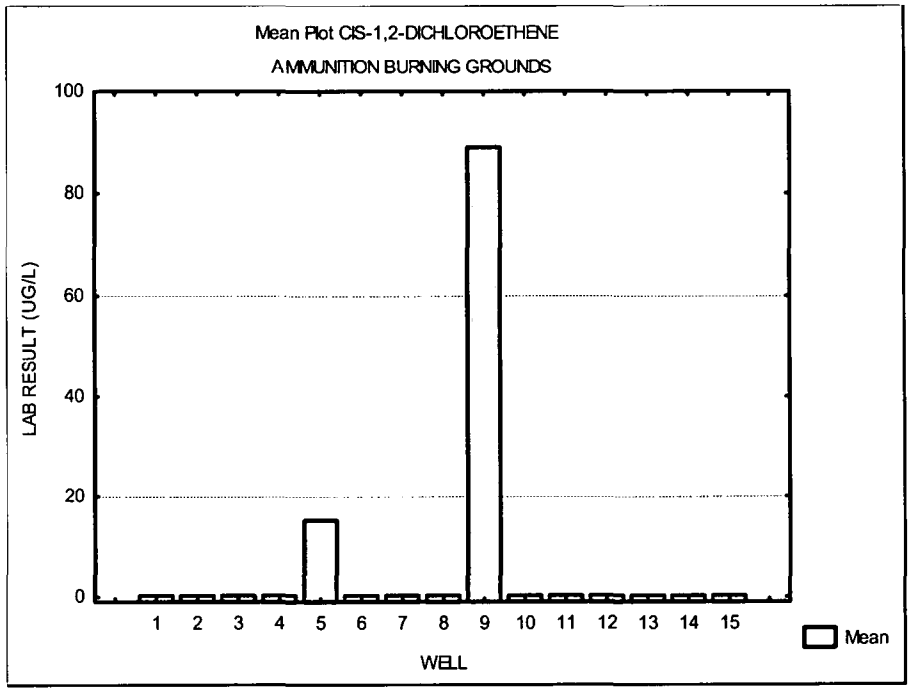


CIS-1,2-DICHLOROETHENE (UG/L)
AMMUNITION BURNING GROUNDS

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C02P2	0.25000	4	0.00000	0.25000	0.2500
2	C03	0.25000	4	0.00000	0.25000	0.2500
3	C04	0.25000	4	0.00000	0.25000	0.2500
4	C07	0.25000	4	0.00000	0.25000	0.2500
5	C08P2	15.25000	4	1.70783	13.00000	17.0000
6	C09P2	0.25000	4	0.00000	0.25000	0.2500
7	C15	0.25000	4	0.00000	0.25000	0.2500
8*	C17*	0.25000	3	0.00000	0.25000	0.2500
9	C20	89.00000	4	7.34847	85.00000	100.0000
10	C25	0.25000	4	0.00000	0.25000	0.2500
11	C26	0.25000	4	0.00000	0.25000	0.2500
12	C27	0.25000	3	0.00000	0.25000	0.2500
13	C30	0.25000	4	0.00000	0.25000	0.2500
14	SPA	0.25000	4	0.00000	0.25000	0.2500
15	SPC	0.25000	4	0.00000	0.25000	0.2500
	All Grps	7.40517	58	22.79104	0.25000	100.0000

Table 7.65.

* Denotes Upgradient Well

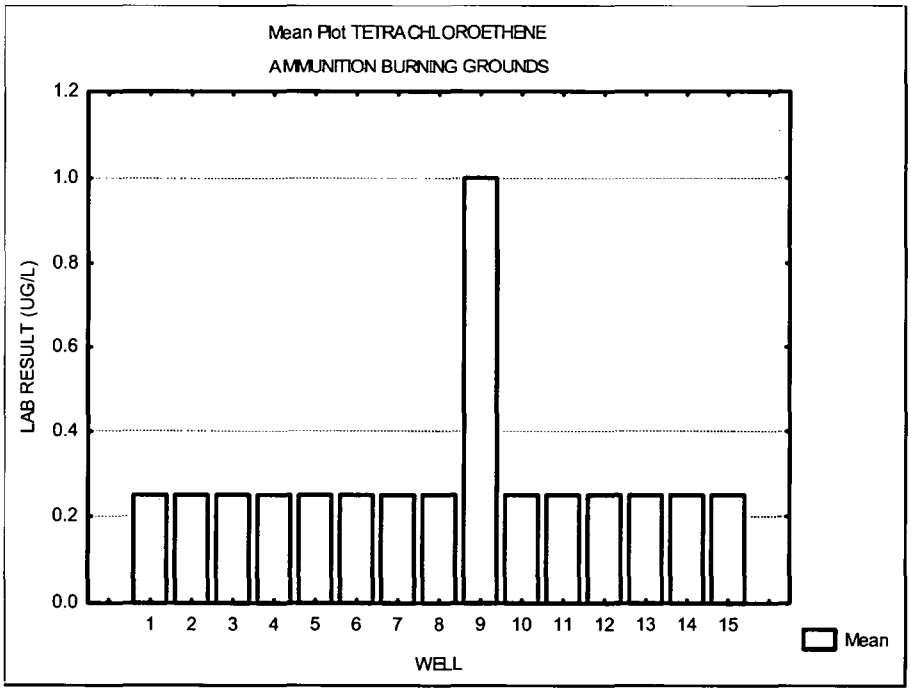


TETRACHLOROETHENE (UG/L)
AMMUNITION BURNING GROUNDS

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C02P2	0.250000	4	0.000000	0.250000	0.250000
2	C03	0.250000	4	0.000000	0.250000	0.250000
3	C04	0.250000	4	0.000000	0.250000	0.250000
4	C07	0.250000	4	0.000000	0.250000	0.250000
5	C08P2	0.250000	4	0.000000	0.250000	0.250000
6	C09P2	0.250000	4	0.000000	0.250000	0.250000
7	C15	0.250000	4	0.000000	0.250000	0.250000
8*	C17*	0.250000	3	0.000000	0.250000	0.250000
9	C20	1.000000	4	0.141421	0.800000	1.100000
10	C25	0.250000	3	0.000000	0.250000	0.250000
11	C26	0.250000	4	0.000000	0.250000	0.250000
12	C27	0.250000	3	0.000000	0.250000	0.250000
13	C30	0.250000	4	0.000000	0.250000	0.250000
14	SPA	0.250000	4	0.000000	0.250000	0.250000
15	SPC	0.250000	4	0.000000	0.250000	0.250000
	All Grps	0.302632	57	0.196037	0.250000	1.100000

Table 7.66.

* Denotes Upgradient Well

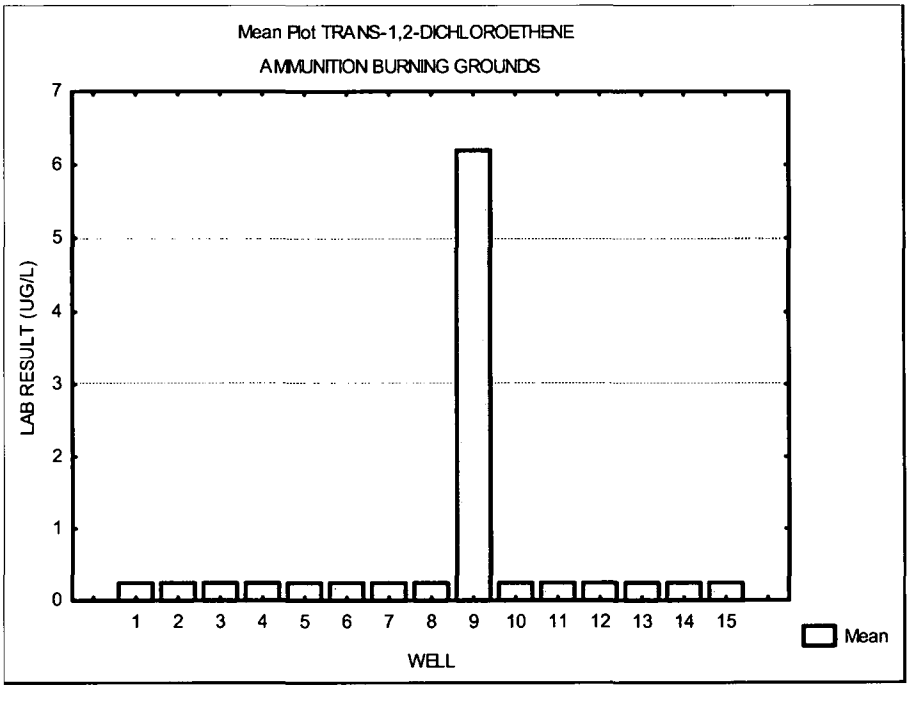


TRANS-1,2-DICHLOROETHENE (UG/L)
AMMUNITION BURNING GROUNDS

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C02P2	0.250000	4	0.000000	0.250000	0.250000
2	C03	0.250000	4	0.000000	0.250000	0.250000
3	C04	0.250000	4	0.000000	0.250000	0.250000
4	C07	0.250000	4	0.000000	0.250000	0.250000
5	C08P2	0.250000	4	0.000000	0.250000	0.250000
6	C09P2	0.250000	4	0.000000	0.250000	0.250000
7	C15	0.250000	4	0.000000	0.250000	0.250000
8*	C17*	0.250000	3	0.000000	0.250000	0.250000
9	C20	6.200000	4	0.541603	5.800000	7.000000
10	C25	0.250000	4	0.000000	0.250000	0.250000
11	C26	0.250000	4	0.000000	0.250000	0.250000
12	C27	0.250000	3	0.000000	0.250000	0.250000
13	C30	0.250000	4	0.000000	0.250000	0.250000
14	SPA	0.250000	4	0.000000	0.250000	0.250000
15	SPC	0.250000	4	0.000000	0.250000	0.250000
	All Grps	0.660345	58	1.525938	0.250000	7.000000

Table 7.67.

* Denotes Upgradient Well

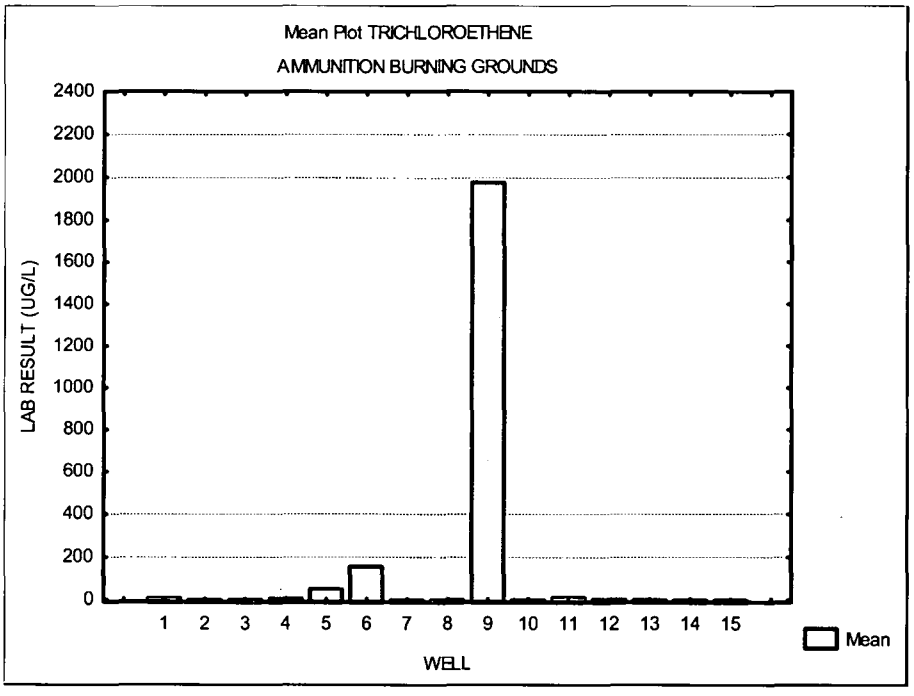


TRICHLOROETHENE (UG/L)
AMMUNITION BURNING GROUNDS

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C02P2	8.025	4	5.2373	3.800	15.000
2	C03	0.250	4	0.0000	0.250	0.250
3	C04	0.475	4	0.3069	0.250	0.900
4	C07	5.475	4	0.8461	4.400	6.200
5	C08P2	52.000	4	3.3665	47.000	54.000
6	C09P2	156.250	4	31.9831	110.000	180.000
7	C15	0.319	4	0.1375	0.250	0.525
8*	C17*	0.250	3	0.0000	0.250	0.250
9	C20	1975.000	4	419.3249	1400.000	2400.000
10	C25	0.250	4	0.0000	0.250	0.250
11	C26	11.100	4	5.2192	3.400	15.000
12	C27	3.033	3	0.4041	2.800	3.500
13	C30	0.250	4	0.0000	0.250	0.250
14	SPA	0.250	4	0.0000	0.250	0.250
15	SPC	0.250	4	0.0000	0.250	0.250
	All Grps	152.576	58	511.1465	0.250	2400.000

Table 7.68.

* Denotes Upgradient Well



MISCELLANEOUS PARAMETERS

AMMUNITION BURNING GROUNDS

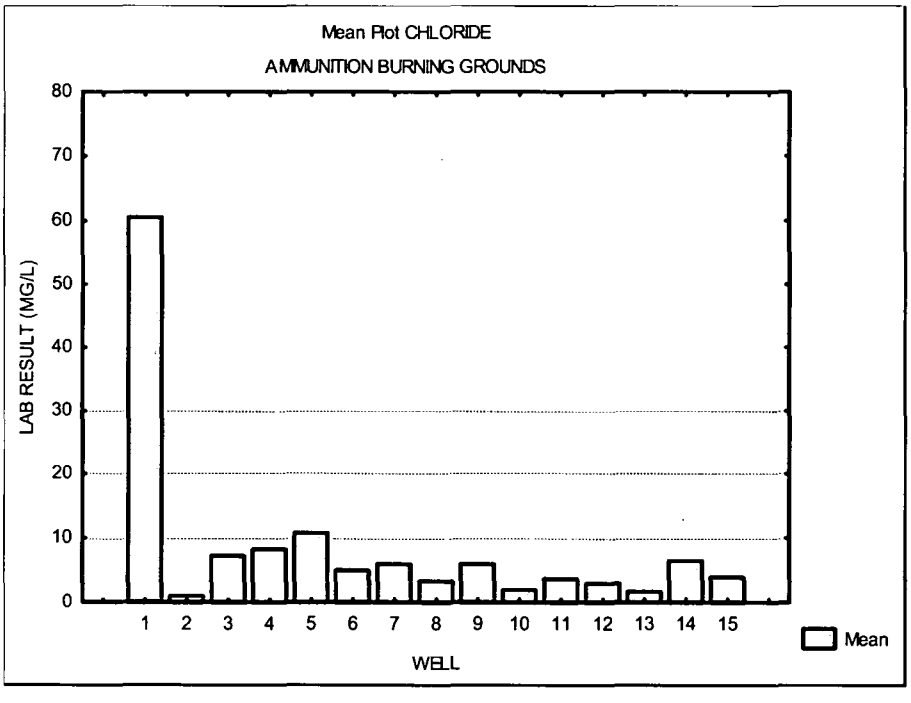
Tables 7.69 through 7.72

CHLORIDE (MG/L)
AMMUNITION BURNING GROUNDS

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C02P2	60.50000	4	37.02702	27.00000	95.00000
2	C03	1.00000	4	0.00000	1.00000	1.00000
3	C04	7.25000	4	0.50000	7.00000	8.00000
4	C07	8.25000	4	0.50000	8.00000	9.00000
5	C08P2	10.75000	4	0.95743	10.00000	12.00000
6	C09P2	5.00000	4	0.00000	5.00000	5.00000
7	C15	6.00000	4	0.00000	6.00000	6.00000
8*	C17*	3.33333	3	0.57735	3.00000	4.00000
9	C20	6.00000	4	0.00000	6.00000	6.00000
10	C25	2.00000	4	0.00000	2.00000	2.00000
11	C26	3.75000	4	0.50000	3.00000	4.00000
12	C27	3.00000	3	0.00000	3.00000	3.00000
13	C30	1.75000	4	0.50000	1.00000	2.00000
14	SPA	6.50000	4	3.78594	4.00000	12.00000
15	SPC	4.00000	4	0.81650	3.00000	5.00000
	All Grps	8.79310	58	16.77274	1.00000	95.00000

Table 7.69.

* Denotes Upgradient Well

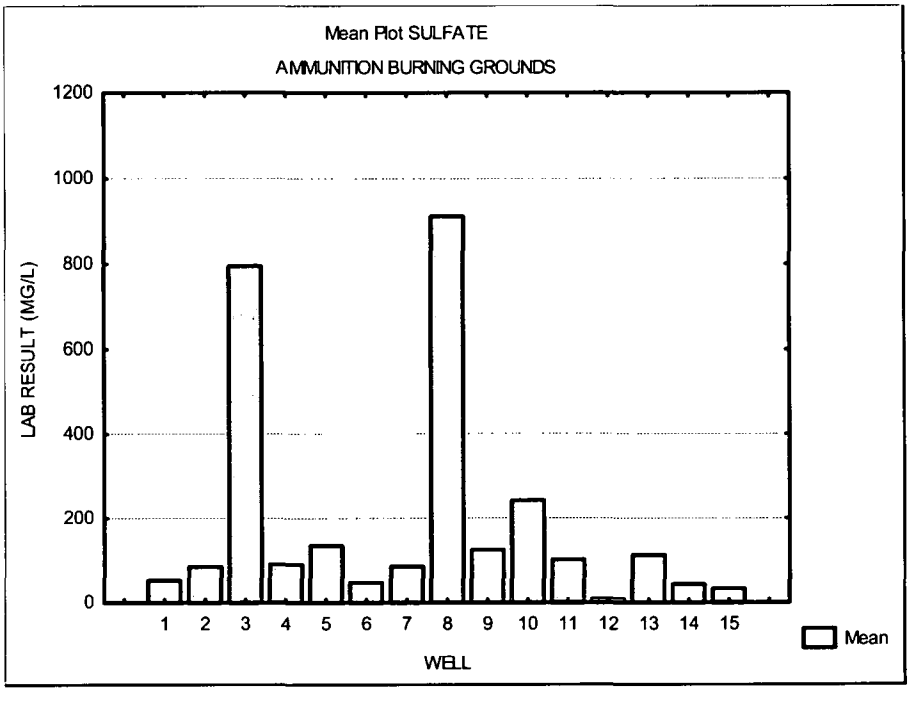


SULFATE (MG/L)
AMMUNITION BURNING GROUNDS

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C02P2	53.0000	4	15.8535	36.0000	67.000
2	C03	85.0000	4	1.4142	84.0000	87.000
3	C04	795.0000	4	127.6715	710.0000	980.000
4	C07	90.7500	4	10.7819	75.0000	99.000
5	C08P2	135.0000	4	5.7735	130.0000	140.000
6	C09P2	47.3750	4	5.8506	40.0000	53.000
7	C15	85.8750	4	3.1192	83.0000	90.000
8*	C17*	911.6667	3	120.0347	775.0000	1000.000
9	C20	125.0000	4	5.7735	120.0000	130.000
10	C25	242.5000	4	9.5743	230.0000	250.000
11	C26	101.7500	4	9.5350	93.0000	110.000
12	C27	9.0000	3	0.0000	9.0000	9.000
13	C30	112.5000	4	9.5743	100.0000	120.000
14	SPA	43.2500	4	8.2209	36.0000	55.000
15	SPC	33.0000	4	8.5245	26.0000	45.000
	All Grps	182.1034	58	257.0013	9.0000	1000.000

Table 7.70.

* Denotes Upgradient Well

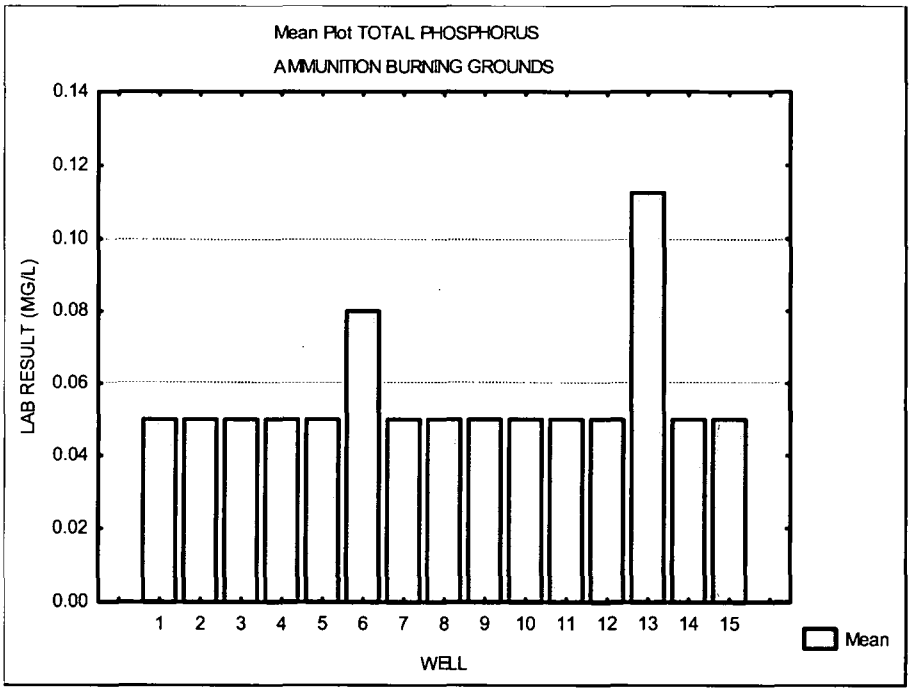


TOTAL PHOSPHORUS (MG/L)
AMMUNITION BURNING GROUNDS

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C02P2	0.050000	4	0.000000	0.050000	0.050000
2	C03	0.050000	4	0.000000	0.050000	0.050000
3	C04	0.050000	4	0.000000	0.050000	0.050000
4	C07	0.050000	4	0.000000	0.050000	0.050000
5	C08P2	0.050000	4	0.000000	0.050000	0.050000
6	C09P2	0.080000	4	0.035590	0.050000	0.120000
7	C15	0.050000	4	0.000000	0.050000	0.050000
8*	C17*	0.050000	3	0.000000	0.050000	0.050000
9	C20	0.050000	4	0.000000	0.050000	0.050000
10	C25	0.050000	4	0.000000	0.050000	0.050000
11	C26	0.050000	4	0.000000	0.050000	0.050000
12	C27	0.050000	3	0.000000	0.050000	0.050000
13	C30	0.112500	4	0.125000	0.050000	0.300000
14	SPA	0.050000	4	0.000000	0.050000	0.050000
15	SPC	0.050000	4	0.000000	0.050000	0.050000
	All Grps	0.056379	58	0.034422	0.050000	0.300000

Table 7.71.

* Denotes Upgradient Well

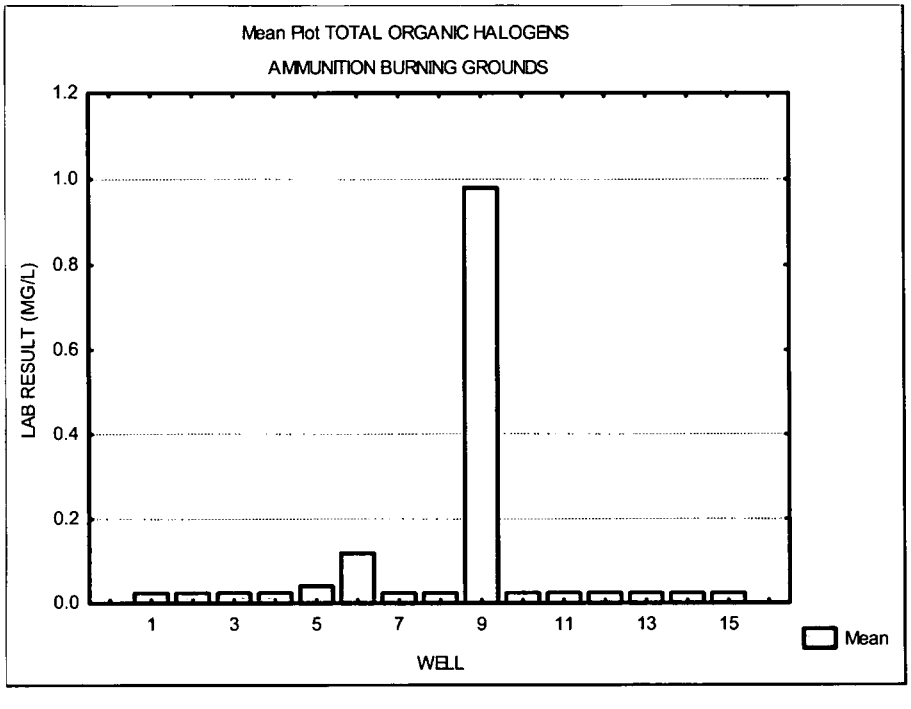


TOTAL ORGANIC HALOGENS (MG/L)
AMMUNITION BURNING GROUNDS

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C02P2	0.025000	4	0.000000	0.025000	0.025000
2	C03	0.025000	4	0.000000	0.025000	0.025000
3	C04	0.025000	4	0.000000	0.025000	0.025000
4	C07	0.025000	4	0.000000	0.025000	0.025000
5	C08P2	0.042500	4	0.020207	0.025000	0.060000
6	C09P2	0.120000	4	0.011547	0.110000	0.130000
7	C15	0.025000	4	0.000000	0.025000	0.025000
8*	C17*	0.025000	3	0.000000	0.025000	0.025000
9	C20	0.980000	4	0.253509	0.620000	1.200000
10	C25	0.025000	4	0.000000	0.025000	0.025000
11	C26	0.025000	4	0.000000	0.025000	0.025000
12	C27	0.025000	3	0.000000	0.025000	0.025000
13	C30	0.025000	4	0.000000	0.025000	0.025000
14	SPA	0.025000	4	0.000000	0.025000	0.025000
15	SPC	0.025000	4	0.000000	0.025000	0.025000
	All Grps	0.098621	58	0.250105	0.025000	1.200000

Table 7.72.

* Denotes Upgradient Well



EXPLOSIVES

OLD RIFLE RANGE
BEECH CREEK AQUIFER

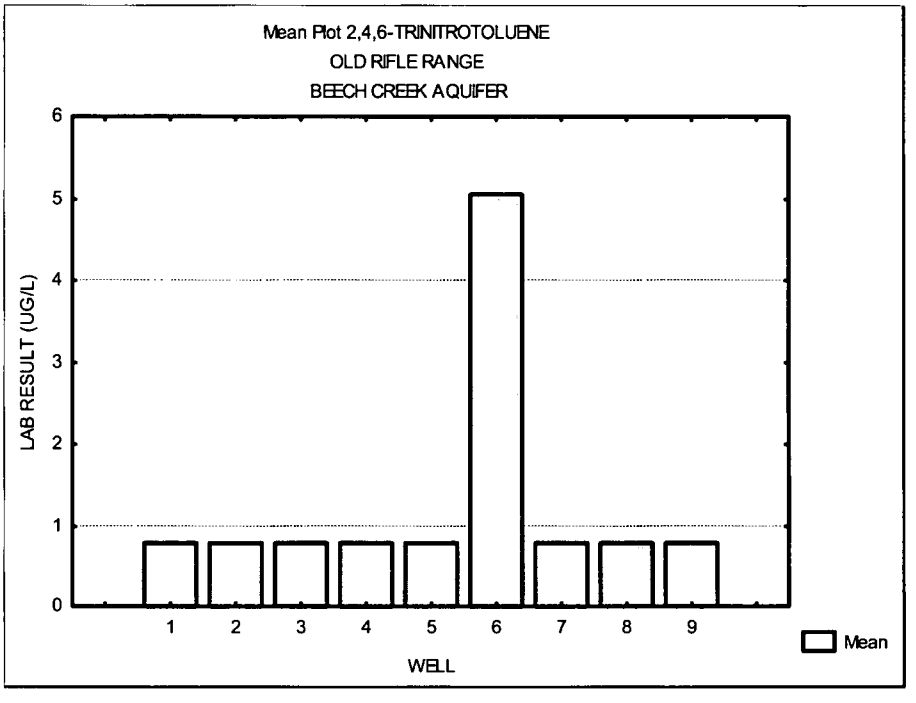
Tables 7.73 through 7.75

2,4,6-TRINITROTOLUENE (UG/L)
OLD RIFLE RANGE
BEECH CREEK AQUIFER

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1*	C08*	0.800000	4	0.000000	0.800000	0.800000
2	C11	0.800000	4	0.000000	0.800000	0.800000
3	C12	0.800000	4	0.000000	0.800000	0.800000
4	C13	0.800000	4	0.000000	0.800000	0.800000
5	C14	0.800000	4	0.000000	0.800000	0.800000
6	C15	5.062500	4	0.901272	4.000000	6.200000
7	C16	0.800000	4	0.000000	0.800000	0.800000
8	C18	0.800000	4	0.000000	0.800000	0.800000
9	C19	0.800000	4	0.000000	0.800000	0.800000
	All Grps	1.273611	36	1.383964	0.800000	6.200000

Table 7.73.

* Denotes Upgradient Well

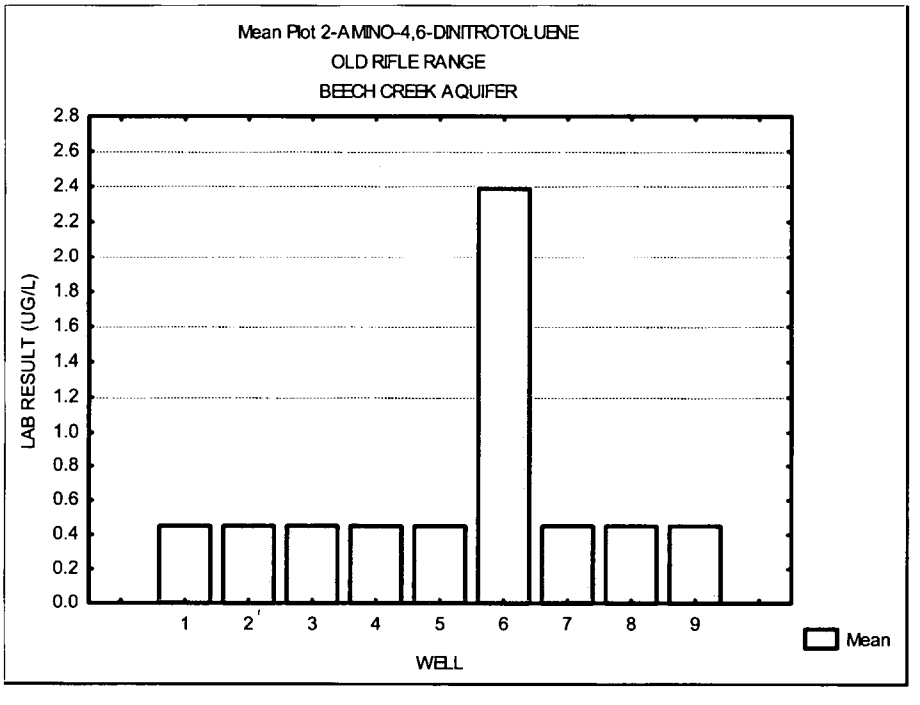


2-AMINO-4,6-DINITROTOLUENE (UG/L)
OLD RIFLE RANGE
BEECH CREEK AQUIFER

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1*	C08*	0.450000	4	0.000000	0.450000	0.450000
2	C11	0.450000	4	0.000000	0.450000	0.450000
3	C12	0.450000	4	0.000000	0.450000	0.450000
4	C13	0.450000	4	0.000000	0.450000	0.450000
5	C14	0.450000	4	0.000000	0.450000	0.450000
6	C15	2.387500	4	0.392375	1.950000	2.900000
7	C16	0.450000	4	0.000000	0.450000	0.450000
8	C18	0.450000	4	0.000000	0.450000	0.450000
9	C19	0.450000	4	0.000000	0.450000	0.450000
	All Grps	0.665278	36	0.628129	0.450000	2.900000

Table 7.74.

* Denotes Upgradient Well

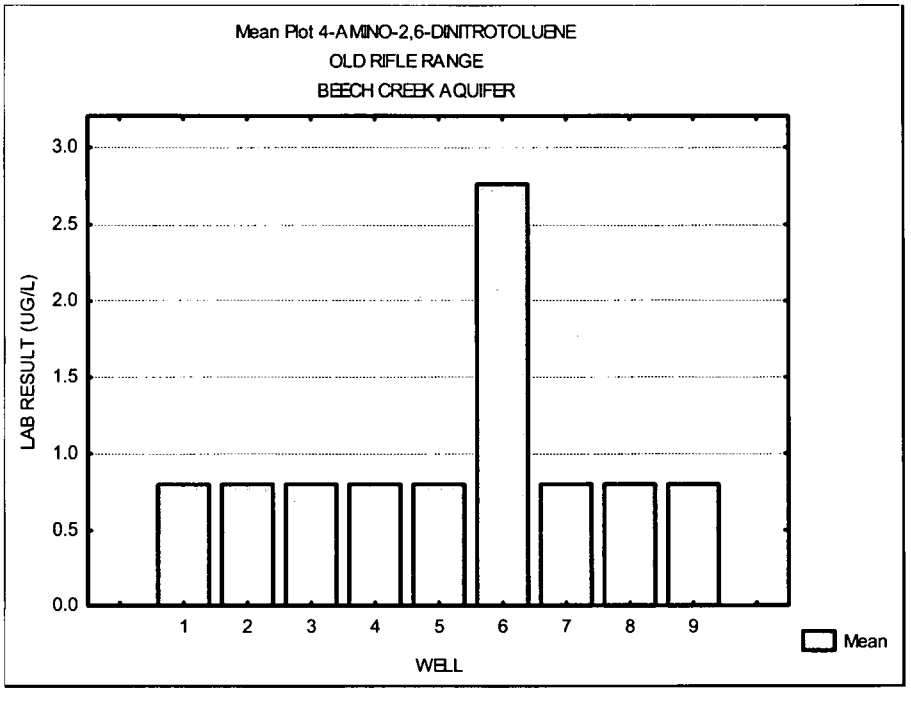


4-AMINO-2,6-DINITROTOLUENE (UG/L)
OLD RIFLE RANGE
BEECH CREEK AQUIFER

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1*	C08*	0.800000	4	0.000000	0.800000	0.800000
2	C11	0.800000	4	0.000000	0.800000	0.800000
3	C12	0.800000	4	0.000000	0.800000	0.800000
4	C13	0.800000	4	0.000000	0.800000	0.800000
5	C14	0.800000	4	0.000000	0.800000	0.800000
6	C15	2.762500	4	0.475000	2.250000	3.400000
7	C16	0.800000	4	0.000000	0.800000	0.800000
8	C18	0.800000	4	0.000000	0.800000	0.800000
9	C19	0.800000	4	0.000000	0.800000	0.800000
	All Grps	1.018056	36	0.640776	0.800000	3.400000

Table 7.75.

* Denotes Upgradient Well



METALS

OLD RIFLE RANGE
BEECH CREEK AQUIFER

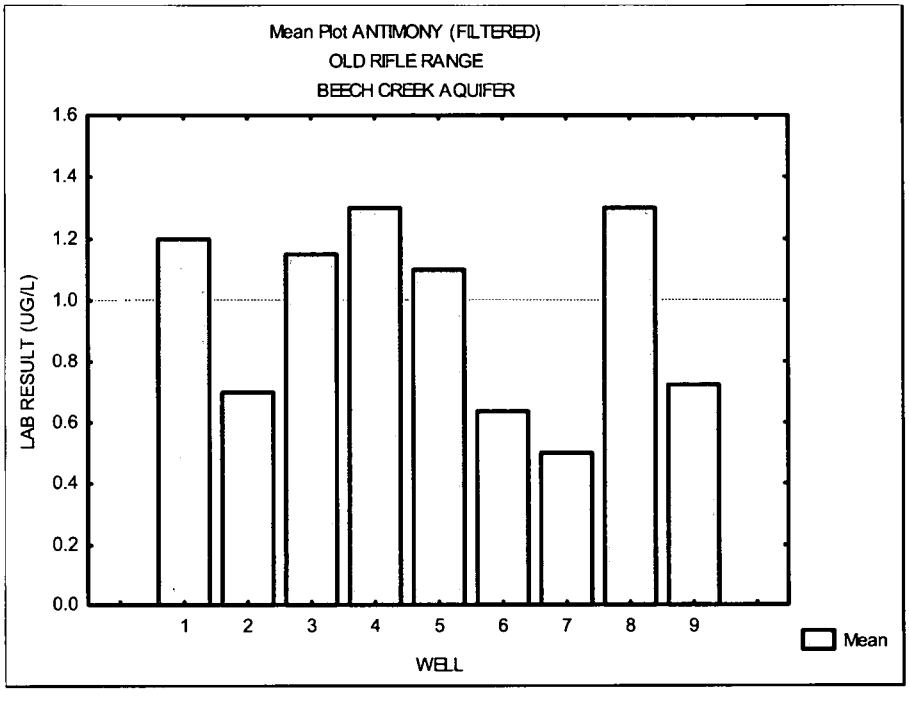
Tables 7.76 through 7.88

ANTIMONY (FILTERED) (UG/L)
OLD RIFLE RANGE
BEECH CREEK AQUIFER

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1*	C08*	1.200000	4	0.989949	0.500000	2.600000
2	C11	0.700000	4	0.400000	0.500000	1.300000
3	C12	1.150000	4	0.450925	0.500000	1.500000
4	C13	1.300000	4	0.955685	0.500000	2.400000
5	C14	1.100000	4	0.454606	0.500000	1.500000
6	C15	0.637500	4	0.275000	0.500000	1.050000
7	C16	0.500000	4	0.000000	0.500000	0.500000
8	C18	1.300000	4	1.009950	0.500000	2.600000
9	C19	0.725000	4	0.450000	0.500000	1.400000
	All Grps	0.956944	36	0.641778	0.500000	2.600000

Table 7.76.

* Denotes Upgradient Well

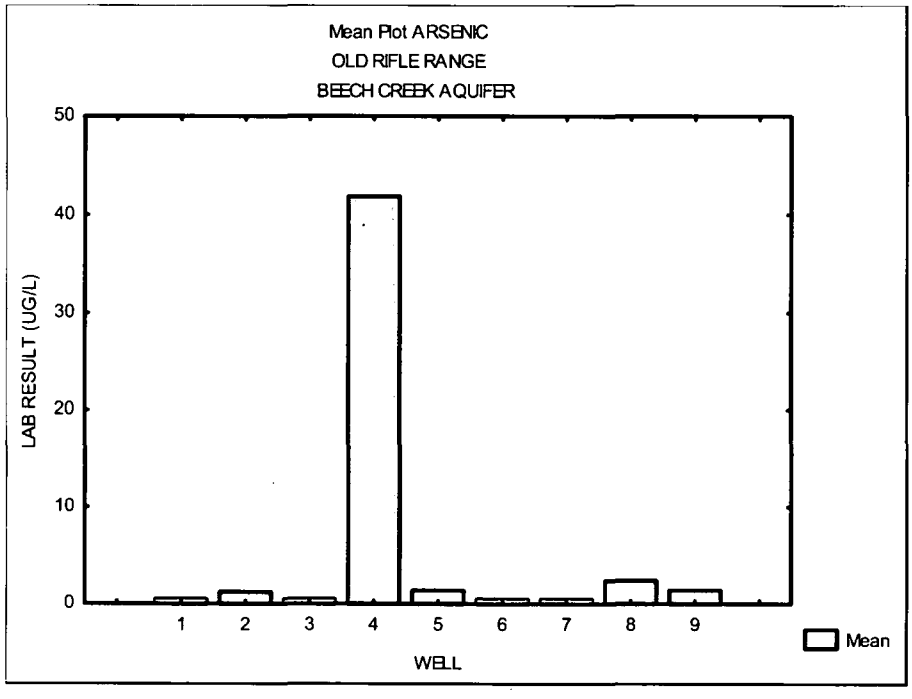


ARSENIC (UG/L)
OLD RIFLE RANGE
BEECH CREEK AQUIFER

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1*	C08*	0.50000	4	0.00000	0.50000	0.50000
2	C11	1.22500	4	0.09574	1.10000	1.30000
3	C12	0.50000	4	0.00000	0.50000	0.50000
4	C13	41.87500	4	4.00614	36.40000	45.20000
5	C14	1.37500	4	0.78475	0.50000	2.40000
6	C15	0.50000	4	0.00000	0.50000	0.50000
7	C16	0.50000	4	0.00000	0.50000	0.50000
8	C18	2.42500	4	0.15000	2.20000	2.50000
9	C19	1.41250	4	0.21747	1.20000	1.70000
	All Grps	5.59028	36	13.08032	0.50000	45.20000

Table 7.77.

* Denotes Upgradient Well

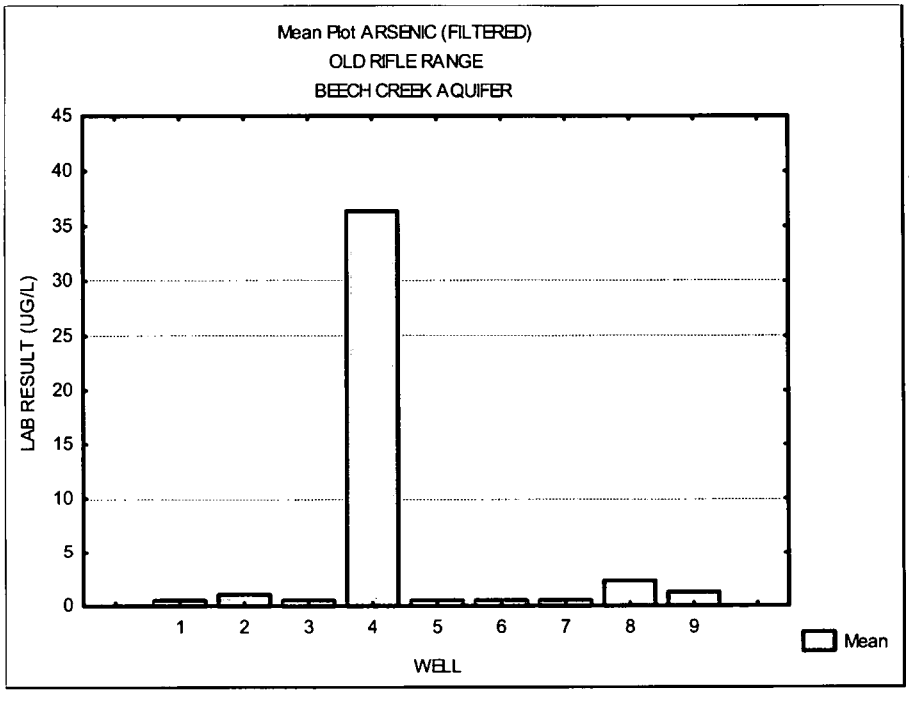


ARSENIC (FILTERED) (UG/L)
OLD RIFLE RANGE
BEECH CREEK AQUIFER

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1*	C08*	0.50000	4	0.00000	0.50000	0.50000
2	C11	1.07500	4	0.05000	1.00000	1.10000
3	C12	0.50000	4	0.00000	0.50000	0.50000
4	C13	36.37500	4	13.22986	26.40000	55.30000
5	C14	0.50000	4	0.00000	0.50000	0.50000
6	C15	0.50000	4	0.00000	0.50000	0.50000
7	C16	0.50000	4	0.00000	0.50000	0.50000
8	C18	2.32500	4	0.26300	2.10000	2.60000
9	C19	1.26250	4	0.07500	1.20000	1.35000
	All Grps	4.83750	36	11.96788	0.50000	55.30000

Table 7.78.

* Denotes Upgradient Well

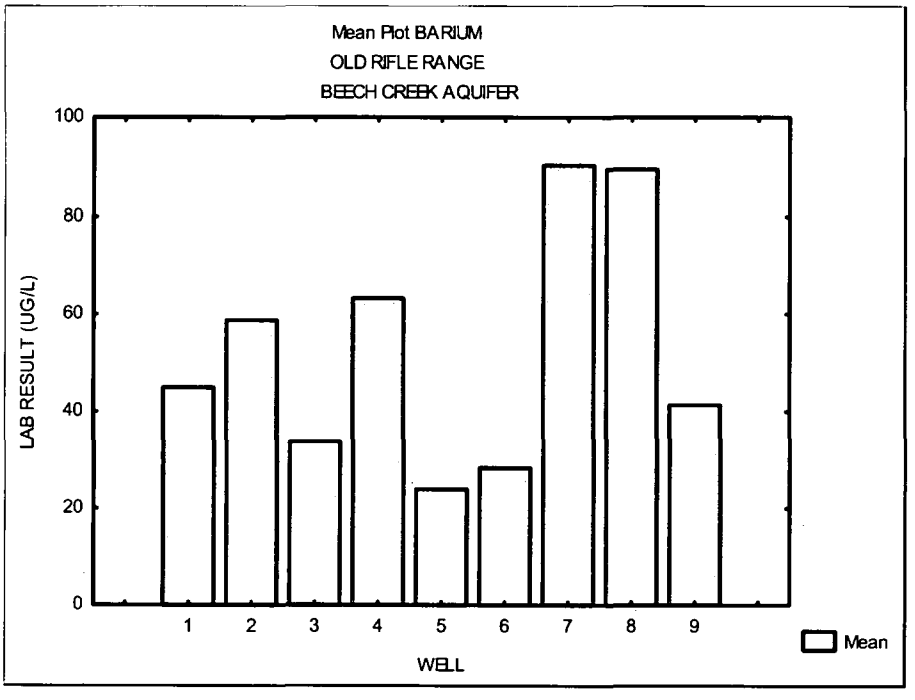


BARIUM (UG/L)
OLD RIFLE RANGE
BEECH CREEK AQUIFER

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1*	C08*	44.95000	4	18.33185	34.80000	72.40000
2	C11	58.70000	4	4.47586	53.40000	64.00000
3	C12	33.80000	4	1.44453	32.50000	35.10000
4	C13	63.25000	4	2.10159	61.30000	65.40000
5	C14	23.97500	4	1.90504	21.90000	26.20000
6	C15	28.36250	4	0.60329	27.55000	28.95000
7	C16	90.37500	4	2.95677	86.10000	92.50000
8	C18	89.55000	4	4.25637	86.50000	95.70000
9	C19	41.38750	4	5.38708	34.70000	47.75000
	All Grps	52.70556	36	24.38774	21.90000	95.70000

Table 7.79.

* Denotes Upgradient Well

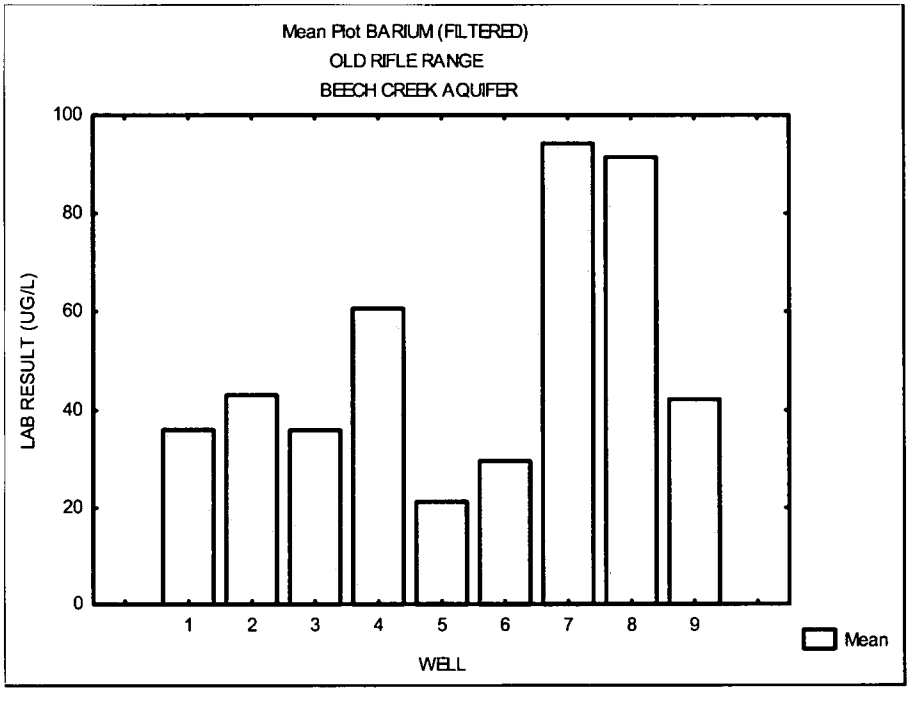


BARIUM (FILTERED) (UG/L)
OLD RIFLE RANGE
BEECH CREEK AQUIFER

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1*	C08*	36.02500	4	1.65605	33.90000	37.80000
2	C11	43.12500	4	14.90847	21.60000	55.30000
3	C12	35.92500	4	1.68795	34.20000	37.70000
4	C13	60.60000	4	4.83391	56.20000	67.50000
5	C14	21.25000	4	1.28712	19.50000	22.40000
6	C15	29.56250	4	0.81790	28.75000	30.60000
7	C16	94.17500	4	3.06173	92.35000	98.75000
8	C18	91.37500	4	1.94487	88.50000	92.80000
9	C19	42.26250	4	4.01277	36.90000	45.65000
	All Grps	50.47778	36	25.59135	19.50000	98.75000

Table 7.80.

* Denotes Upgradient Well

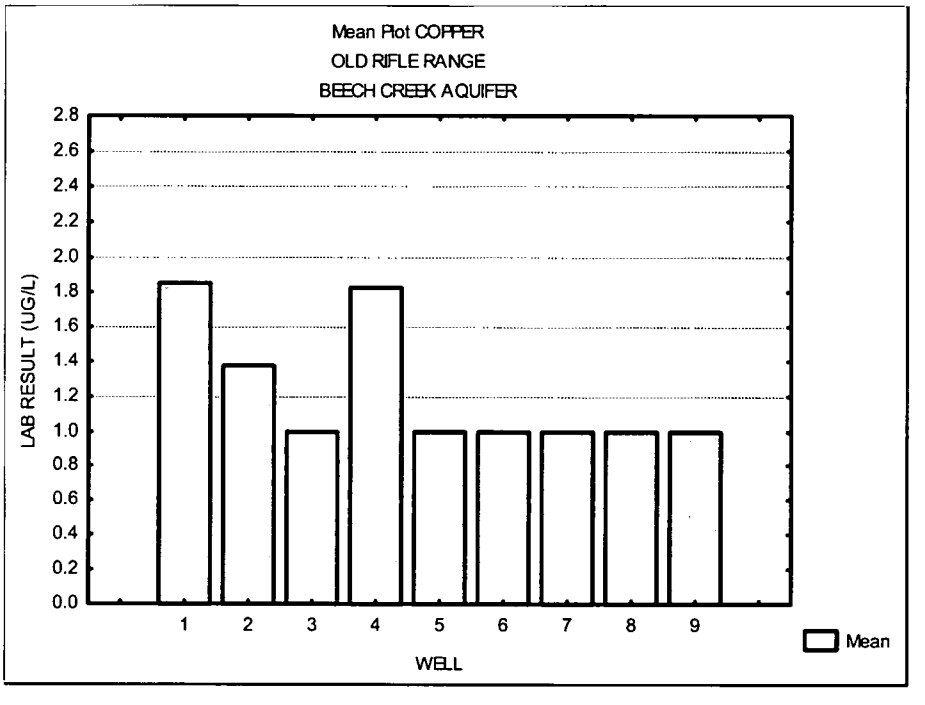


COPPER (UG/L)
OLD RIFLE RANGE
BEECH CREEK AQUIFER

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1*	C08*	1.850000	4	0.994987	1.000000	2.900000
2	C11	1.375000	4	0.750000	1.000000	2.500000
3	C12	1.000000	4	0.000000	1.000000	1.000000
4	C13	1.825000	4	1.650000	1.000000	4.300000
5	C14	1.000000	4	0.000000	1.000000	1.000000
6	C15	1.000000	4	0.000000	1.000000	1.000000
7	C16	1.000000	4	0.000000	1.000000	1.000000
8	C18	1.000000	4	0.000000	1.000000	1.000000
9	C19	1.000000	4	0.000000	1.000000	1.000000
	All Grps	1.227778	36	0.699637	1.000000	4.300000

Table 7.81.

* Denotes Upgradient Well

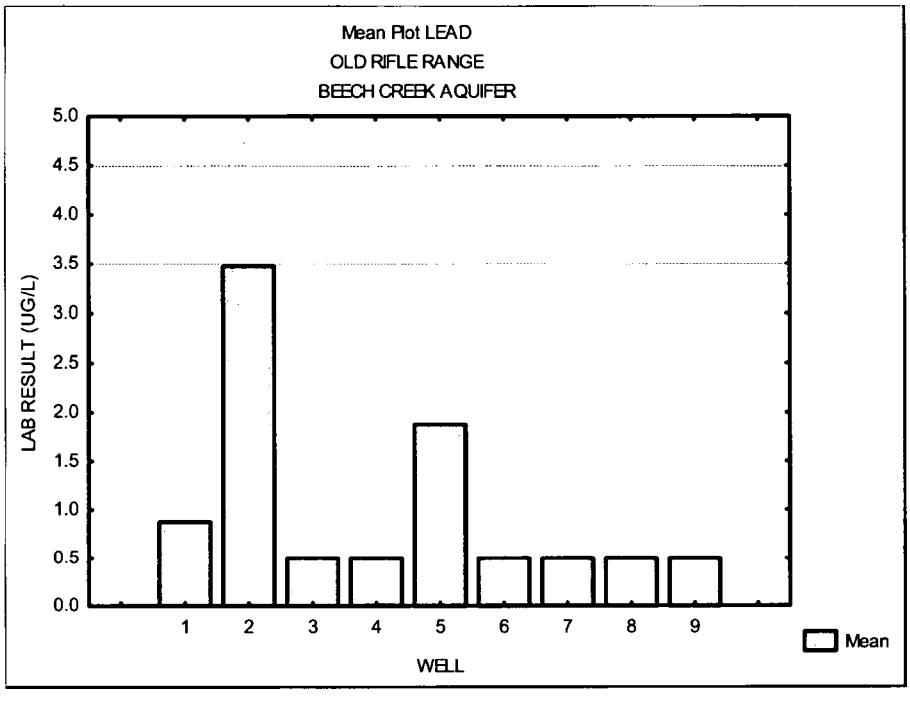


LEAD (UG/L)
OLD RIFLE RANGE
BEECH CREEK AQUIFER

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1*	C08*	0.875000	4	0.750000	0.500000	2.000000
2	C11	3.475000	4	2.430878	1.300000	6.300000
3	C12	0.500000	4	0.000000	0.500000	0.500000
4	C13	0.500000	4	0.000000	0.500000	0.500000
5	C14	1.875000	4	0.788987	1.200000	2.700000
6	C15	0.500000	4	0.000000	0.500000	0.500000
7	C16	0.500000	4	0.000000	0.500000	0.500000
8	C18	0.500000	4	0.000000	0.500000	0.500000
9	C19	0.500000	4	0.000000	0.500000	0.500000
	All Grps	1.025000	36	1.252284	0.500000	6.300000

Table 7.82.

* Denotes Upgradient Well

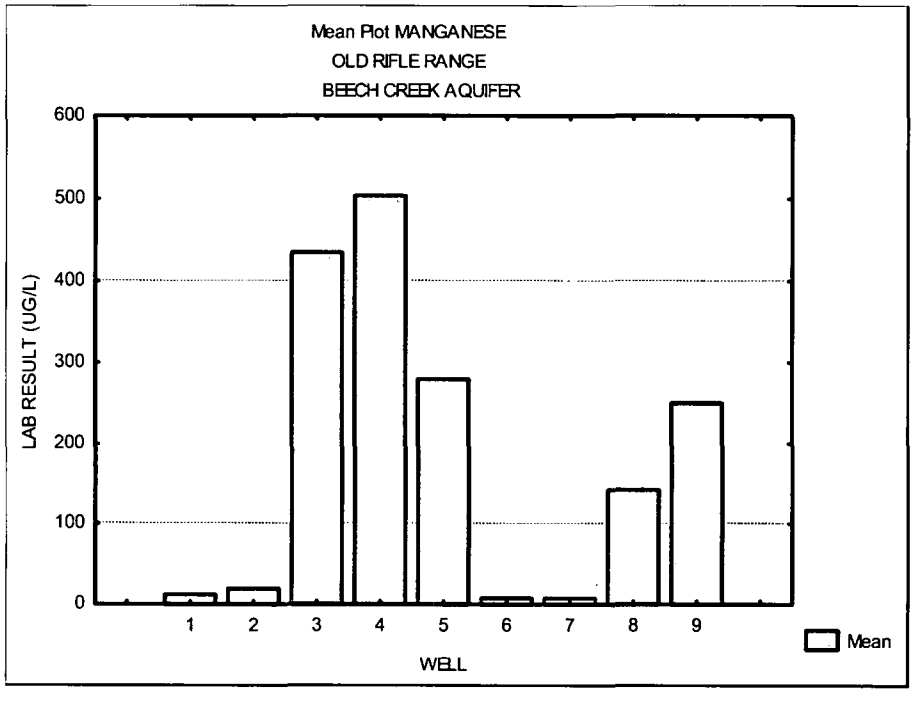


MANGANESE (UG/L)
OLD RIFLE RANGE
BEECH CREEK AQUIFER

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1*	C08*	12.0000	4	9.0000	7.5000	25.5000
2	C11	19.3500	4	8.0384	7.5000	24.4000
3	C12	435.2500	4	14.7507	417.0000	453.0000
4	C13	503.5000	4	31.7753	466.0000	535.0000
5	C14	279.5000	4	70.2068	176.0000	332.0000
6	C15	7.5000	4	0.0000	7.5000	7.5000
7	C16	7.5000	4	0.0000	7.5000	7.5000
8	C18	141.7500	4	12.1209	128.0000	157.0000
9	C19	250.0000	4	25.4689	221.0000	283.0000
	All Grps	184.0389	36	186.6362	7.5000	535.0000

Table 7.83.

* Denotes Upgradient Well

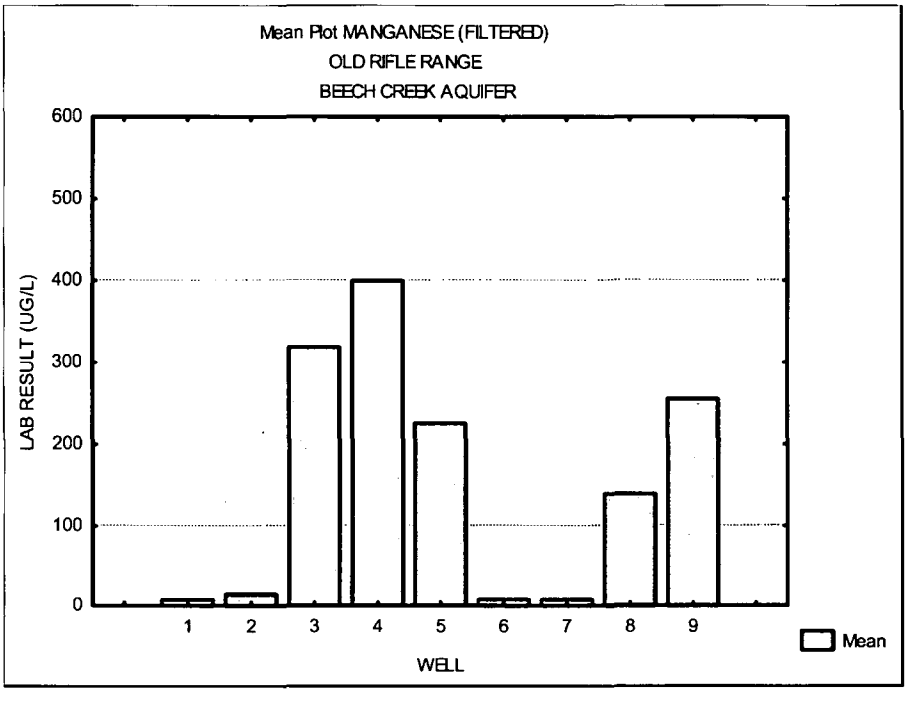


MANGANESE (FILTERED) (UG/L)
OLD RIFLE RANGE
BEECH CREEK AQUIFER

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1*	C08*	7.5000	4	0.0000	7.5000	7.5000
2	C11	13.9750	4	7.5460	7.5000	21.7000
3	C12	318.3750	4	207.9356	7.5000	444.0000
4	C13	399.6250	4	261.4375	7.5000	534.0000
5	C14	225.3750	4	149.7672	7.5000	340.0000
6	C15	7.5000	4	0.0000	7.5000	7.5000
7	C16	7.5000	4	0.0000	7.5000	7.5000
8	C18	139.2500	4	7.2744	130.0000	146.0000
9	C19	255.2500	4	16.1116	240.0000	278.0000
	All Grps	152.7056	36	181.3230	7.5000	534.0000

Table 7.84.

* Denotes Upgradient Well

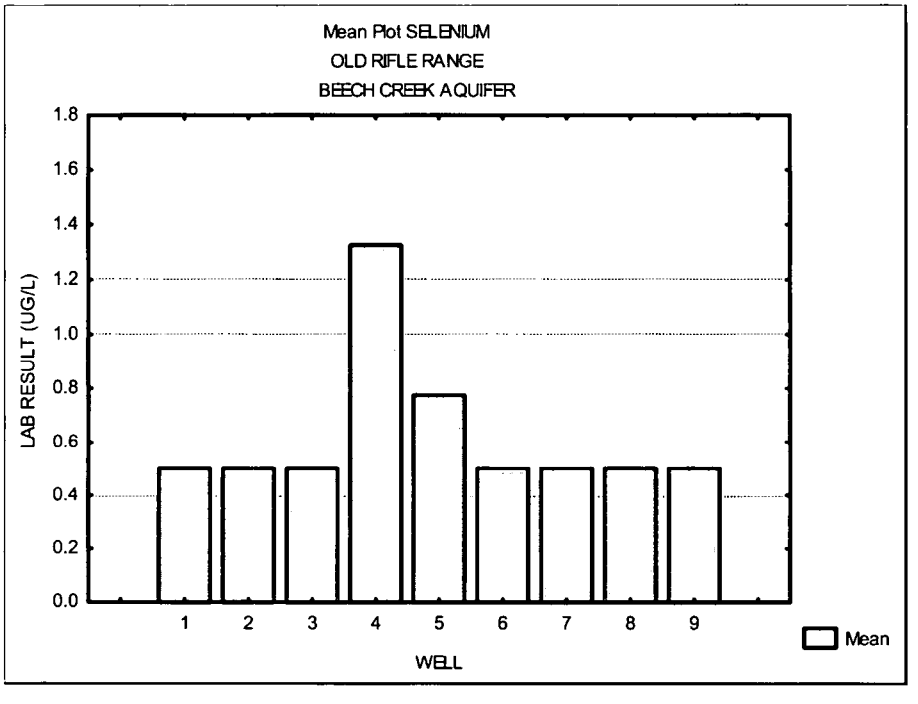


SELENIUM (UG/L)
OLD RIFLE RANGE
BEECH CREEK AQUIFER

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1*	C08*	0.500000	4	0.000000	0.500000	0.500000
2	C11	0.500000	4	0.000000	0.500000	0.500000
3	C12	0.500000	4	0.000000	0.500000	0.500000
4	C13	1.325000	4	1.178629	0.500000	3.000000
5	C14	0.775000	4	0.550000	0.500000	1.600000
6	C15	0.500000	4	0.000000	0.500000	0.500000
7	C16	0.500000	4	0.000000	0.500000	0.500000
8	C18	0.500000	4	0.000000	0.500000	0.500000
9	C19	0.500000	4	0.000000	0.500000	0.500000
	All Grps	0.622222	36	0.464826	0.500000	3.000000

Table 7.85.

* Denotes Upgradient Well

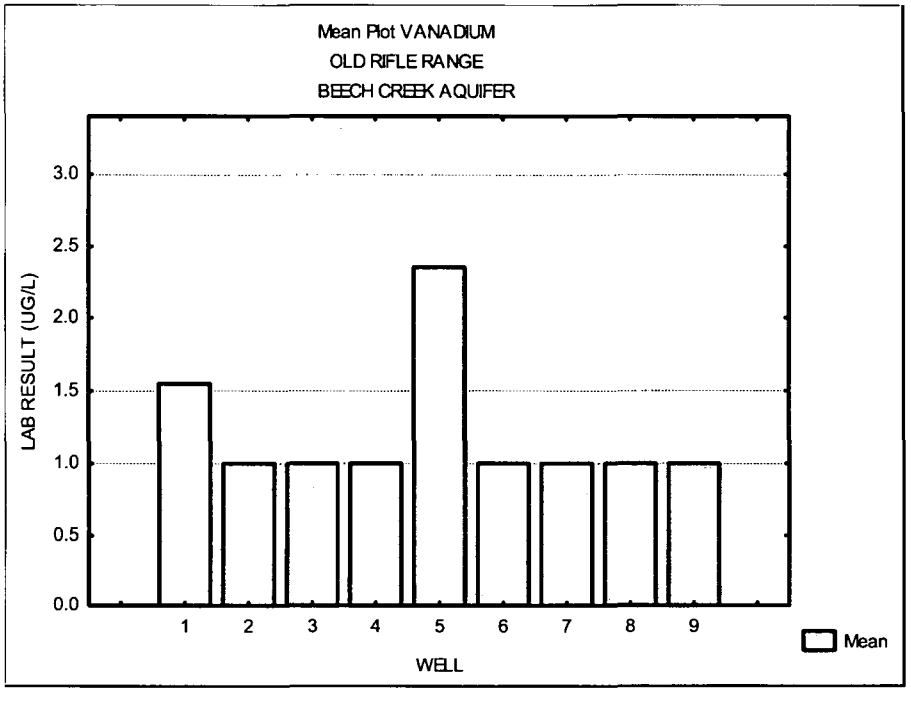


VANADIUM (UG/L)
OLD RIFLE RANGE
BEECH CREEK AQUIFER

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1*	C08*	1.550000	4	1.100000	1.000000	3.200000
2	C11	1.000000	4	0.000000	1.000000	1.000000
3	C12	1.000000	4	0.000000	1.000000	1.000000
4	C13	1.000000	4	0.000000	1.000000	1.000000
5	C14	2.350000	4	1.592692	1.000000	4.100000
6	C15	1.000000	4	0.000000	1.000000	1.000000
7	C16	1.000000	4	0.000000	1.000000	1.000000
8	C18	1.000000	4	0.000000	1.000000	1.000000
9	C19	1.000000	4	0.000000	1.000000	1.000000
	All Grps	1.211111	36	0.719832	1.000000	4.100000

Table 7.86.

* Denotes Upgradient Well

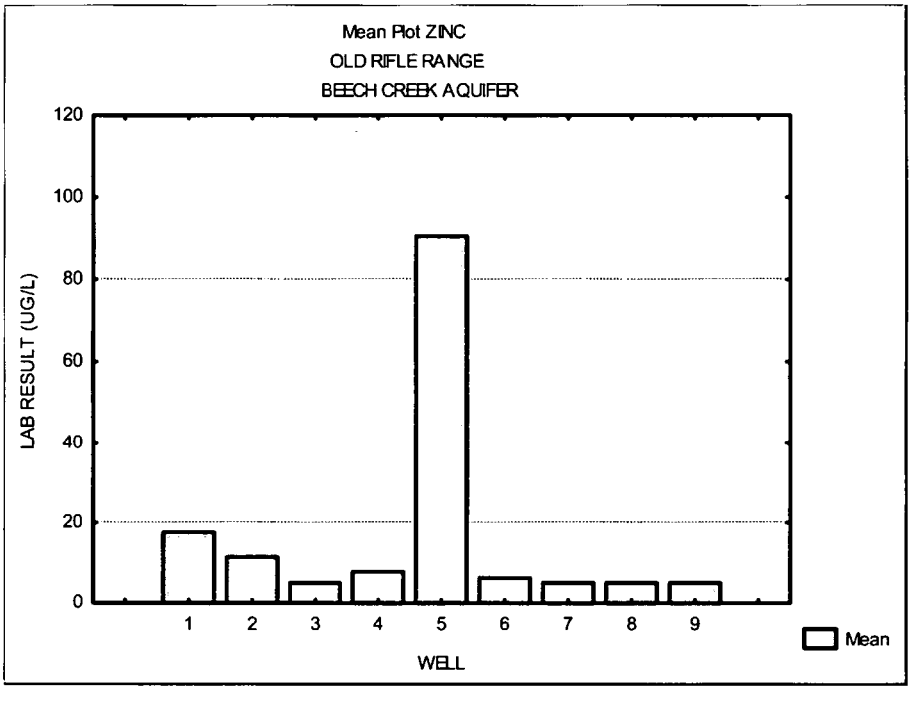


ZINC (UG/L)
OLD RIFLE RANGE
BEECH CREEK AQUIFER

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1*	C08*	17.62500	4	25.2500	5.00000	55.5000
2	C11	11.40000	4	4.7589	5.00000	16.5000
3	C12	5.00000	4	0.0000	5.00000	5.0000
4	C13	7.75000	4	5.5000	5.00000	16.0000
5	C14	90.62500	4	106.3166	23.00000	249.0000
6	C15	6.25000	4	2.5000	5.00000	10.0000
7	C16	5.00000	4	0.0000	5.00000	5.0000
8	C18	5.00000	4	0.0000	5.00000	5.0000
9	C19	5.00000	4	0.0000	5.00000	5.0000
	All Grps	17.07222	36	41.7194	5.00000	249.0000

Table 7.87.

* Denotes Upgradient Well

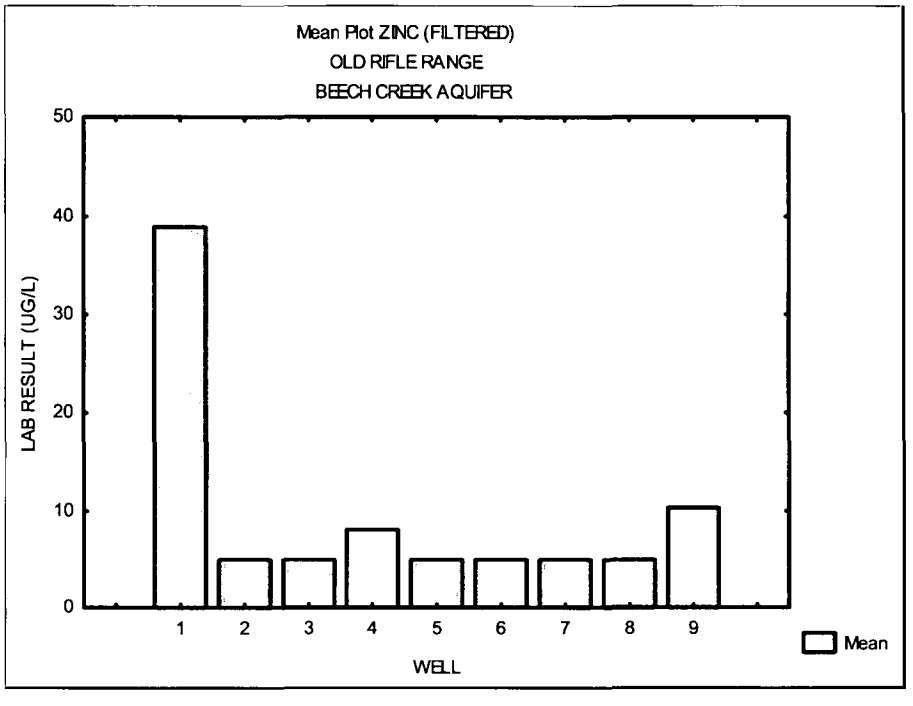


ZINC (FILTERED) (UG/L)
OLD RIFLE RANGE
BEECH CREEK AQUIFER

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1*	C08*	38.95000	4	53.78485	5.000000	118.0000
2	C11	5.00000	4	0.00000	5.000000	5.0000
3	C12	5.00000	4	0.00000	5.000000	5.0000
4	C13	8.12500	4	6.25000	5.000000	17.5000
5	C14	5.00000	4	0.00000	5.000000	5.0000
6	C15	5.00000	4	0.00000	5.000000	5.0000
7	C16	5.00000	4	0.00000	5.000000	5.0000
8	C18	5.00000	4	0.00000	5.000000	5.0000
9	C19	10.32500	4	10.65000	5.000000	26.3000
	All Grps	9.71111	36	19.34630	5.000000	118.0000

Table 7.88.

* Denotes Upgradient Well



MISCELLANEOUS PARAMETERS

OLD RIFLE RANGE
BEECH CREEK AQUIFER

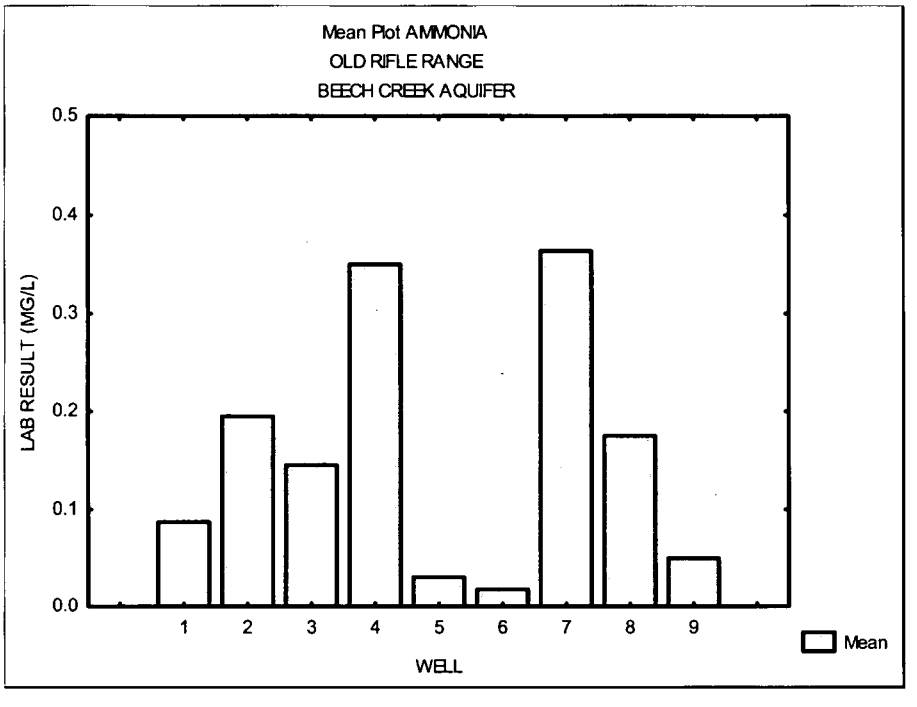
Tables 7.89 through 7.90

AMMONIA (MG/L)
OLD RIFLE RANGE
BEECH CREEK AQUIFER

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1*	C08*	0.087500	4	0.117011	0.010000	0.260000
2	C11	0.195000	4	0.091469	0.130000	0.330000
3	C12	0.145000	4	0.073258	0.050000	0.220000
4	C13	0.350000	4	0.052281	0.300000	0.400000
5	C14	0.030000	4	0.033665	0.010000	0.080000
6	C15	0.017500	4	0.015000	0.010000	0.040000
7	C16	0.363750	4	0.157870	0.240000	0.595000
8	C18	0.175000	4	0.068069	0.090000	0.230000
9	C19	0.050000	4	0.037417	0.010000	0.100000
	All Grps	0.157083	36	0.143678	0.010000	0.595000

Table 7.89.

* Denotes Upgradient Well

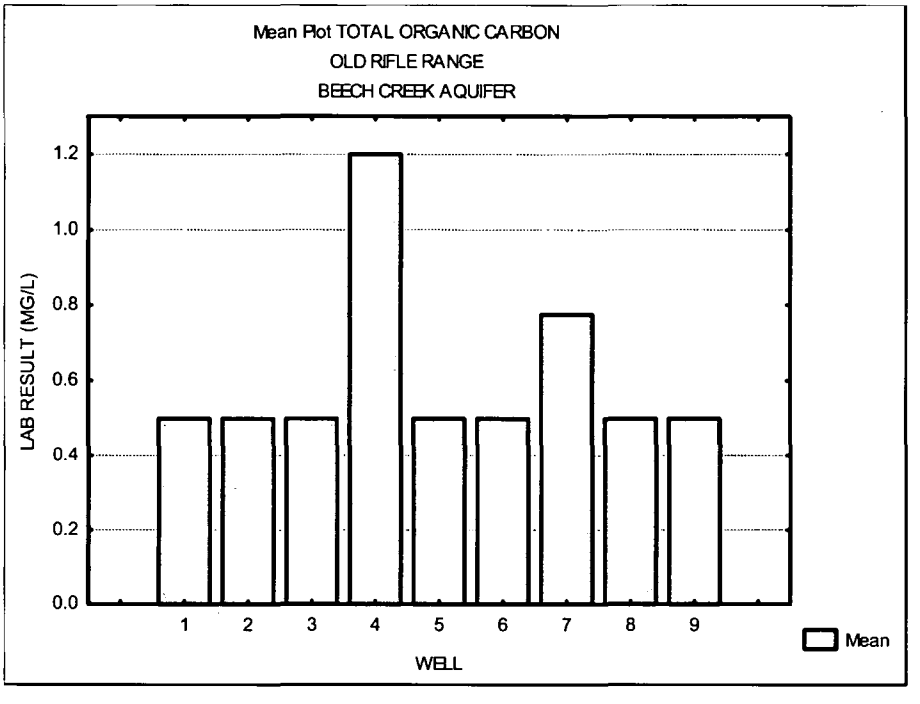


TOTAL ORGANIC CARBON (MG/L)
OLD RIFLE RANGE
BEECH CREEK AQUIFER

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1*	C08*	0.500000	4	0.000000	0.500000	0.500000
2	C11	0.500000	4	0.000000	0.500000	0.500000
3	C12	0.500000	4	0.000000	0.500000	0.500000
4	C13	1.200000	4	0.000000	1.200000	1.200000
5	C14	0.500000	4	0.000000	0.500000	0.500000
6	C15	0.500000	4	0.000000	0.500000	0.500000
7	C16	0.775000	4	0.550000	0.500000	1.600000
8	C18	0.500000	4	0.000000	0.500000	0.500000
9	C19	0.500000	4	0.000000	0.500000	0.500000
	All Grps	0.608333	36	0.280179	0.500000	1.600000

Table 7.90.

* Denotes Upgradient Well



METALS

OLD RIFLE RANGE
BIG CLIFTY AQUIFER

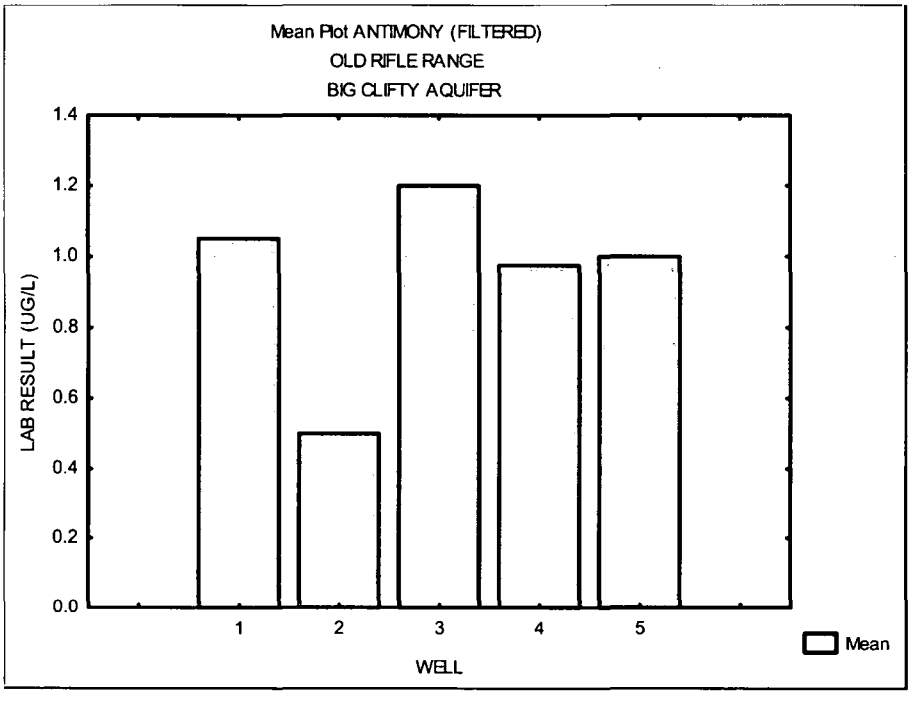
Tables 7.91 through 7.98

ANTIMONY (FILTERED) (UG/L)
OLD RIFLE RANGE
BIG CLIFTY AQUIFER

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C11P2	1.050000	4	0.640312	0.500000	1.700000
2	C13P2	0.500000	4	0.000000	0.500000	0.500000
3*	C14P2*	1.200000	4	0.535413	0.500000	1.800000
4	C18P2	0.975000	4	0.561991	0.500000	1.600000
5	C19P2	1.000000	4	0.600000	0.500000	1.700000
	All Grps	0.945000	20	0.524630	0.500000	1.800000

Table 7.91.

* Denotes Upgradient Well

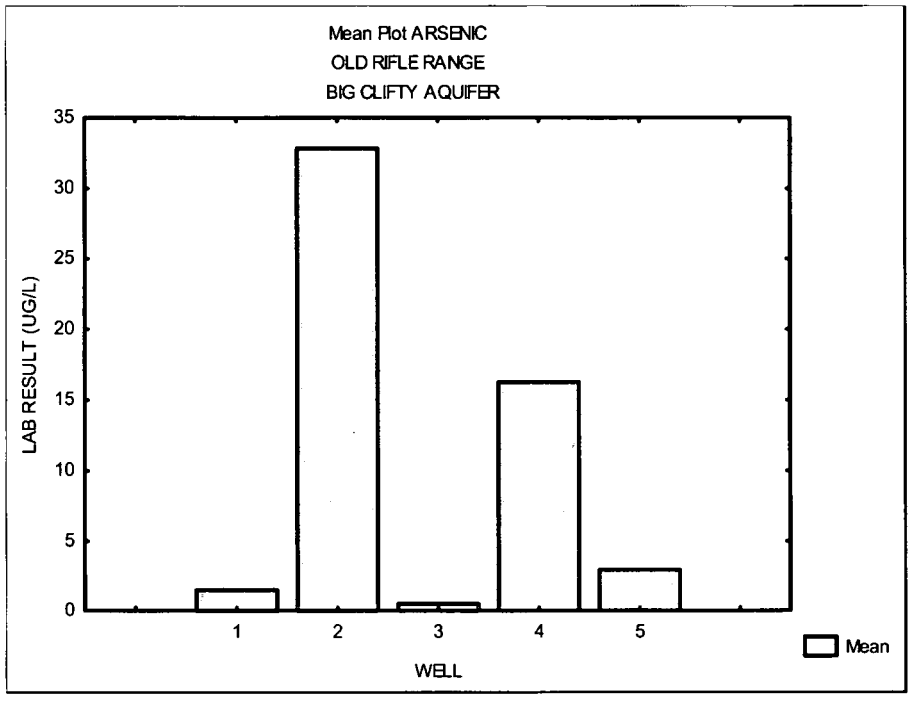


ARSENIC (UG/L)
OLD RIFLE RANGE
BIG CLIFTY AQUIFER

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C11P2	1.50000	4	0.67823	0.50000	2.00000
2	C13P2	32.85000	4	1.27148	31.30000	34.40000
3*	C14P2*	0.50000	4	0.00000	0.50000	0.50000
4	C18P2	16.27500	4	1.90153	13.90000	18.50000
5	C19P2	2.92500	4	0.45000	2.40000	3.50000
	All Grps	10.81000	20	12.77493	0.50000	34.40000

Table 7.92.

* Denotes Upgradient Well

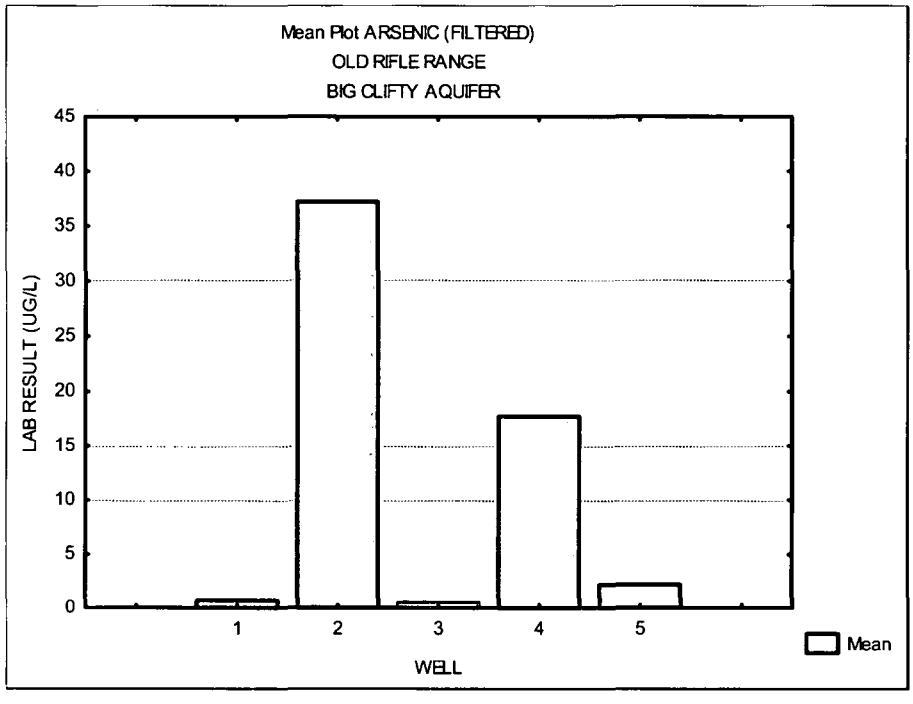


ARSENIC (FILTERED) (UG/L)
OLD RIFLE RANGE
BIG CLIFTY AQUIFER

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C11P2	0.70000	4	0.40000	0.50000	1.30000
2	C13P2	37.20000	4	4.43246	32.70000	42.30000
3*	C14P2*	0.50000	4	0.00000	0.50000	0.50000
4	C18P2	17.72500	4	2.64874	14.60000	20.70000
5	C19P2	2.22500	4	0.33040	2.00000	2.70000
	All Grps	11.67000	20	14.81792	0.50000	42.30000

Table 7.93.

* Denotes Upgradient Well

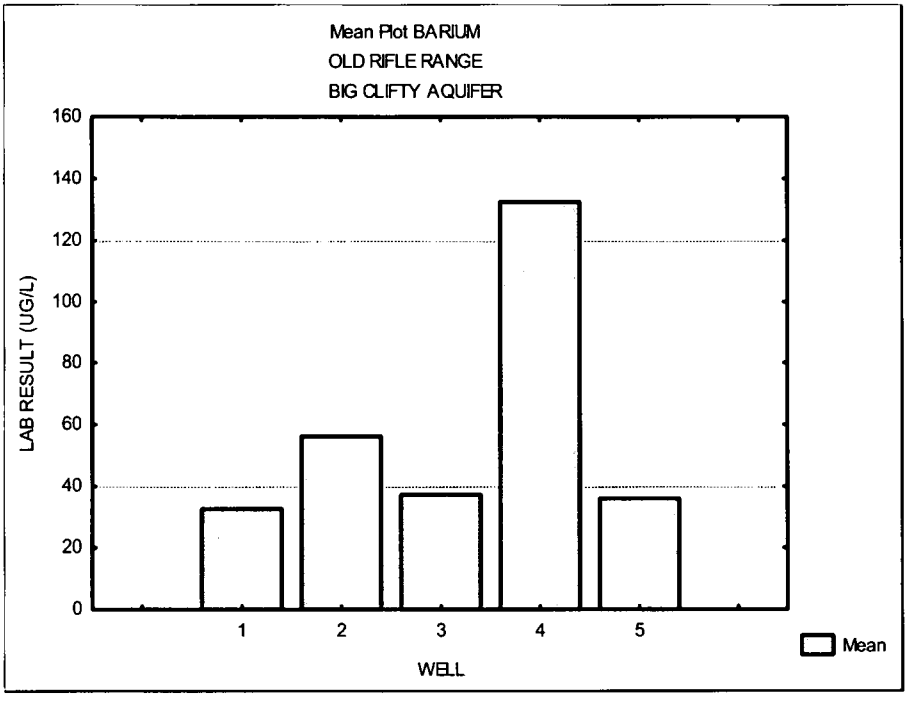


BARIUM (UG/L)
OLD RIFLE RANGE
BIG CLIFTY AQUIFER

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C11P2	32.6500	4	1.97737	29.9000	34.4000
2	C13P2	56.2250	4	1.07199	54.7000	57.2000
3*	C14P2*	37.2500	4	2.06801	34.5000	39.5000
4	C18P2	132.5000	4	14.15392	114.0000	145.0000
5	C19P2	36.0250	4	0.57373	35.2000	36.5000
	All Grps	58.9300	20	39.10219	29.9000	145.0000

Table 7.94.

* Denotes Upgradient Well

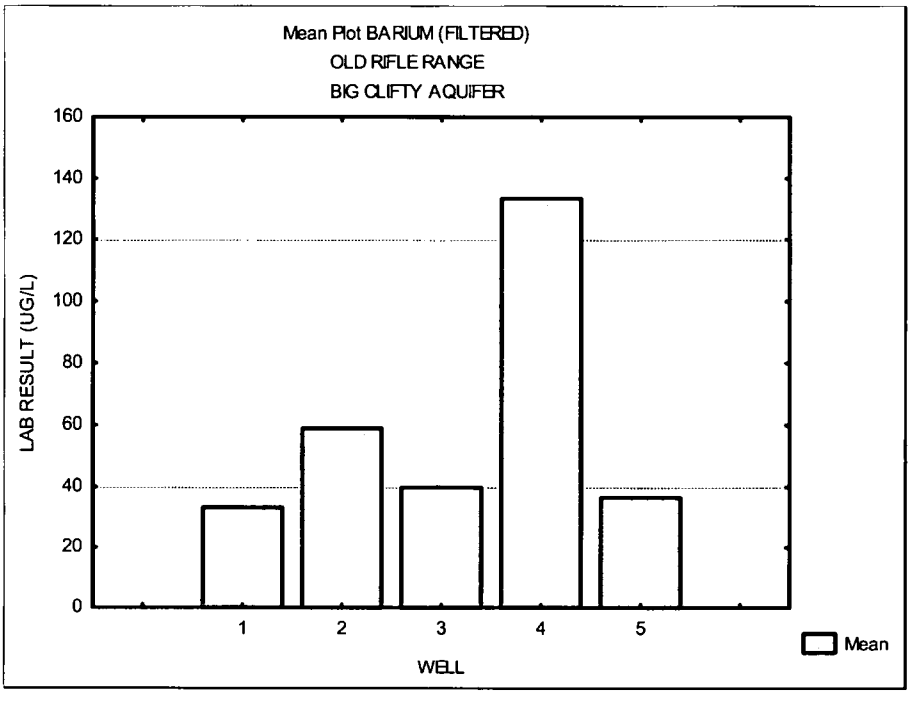


BARIUM (FILTERED) (UG/L)
OLD RIFLE RANGE
BIG CLIFTY AQUIFER

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C11P2	33.3250	4	1.67407	31.3000	35.1000
2	C13P2	58.9250	4	2.16852	57.2000	62.1000
3*	C14P2*	39.8250	4	3.05764	35.6000	42.9000
4	C18P2	133.5000	4	11.12055	118.0000	144.0000
5	C19P2	36.5250	4	1.30735	35.3000	38.2000
	All Grps	60.4200	20	38.87594	31.3000	144.0000

Table 7.95.

* Denotes Upgradient Well

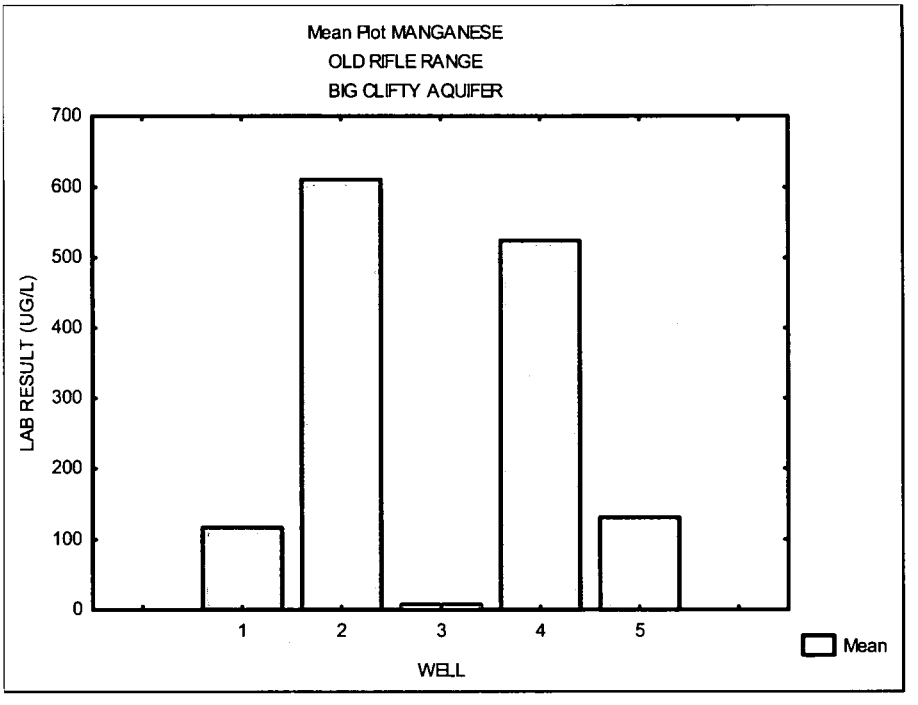


MANGANESE (UG/L)
OLD RIFLE RANGE
BIG CLIFTY AQUIFER

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C11P2	117.0000	4	16.6933	102.0000	136.0000
2	C13P2	611.0000	4	31.4431	580.0000	653.0000
3*	C14P2*	7.5000	4	0.0000	7.5000	7.5000
4	C18P2	524.5000	4	66.8057	462.0000	600.0000
5	C19P2	131.2500	4	13.2256	117.0000	143.0000
	All Grps	278.2500	20	249.9291	7.5000	653.0000

Table 7.96.

* Denotes Upgradient Well

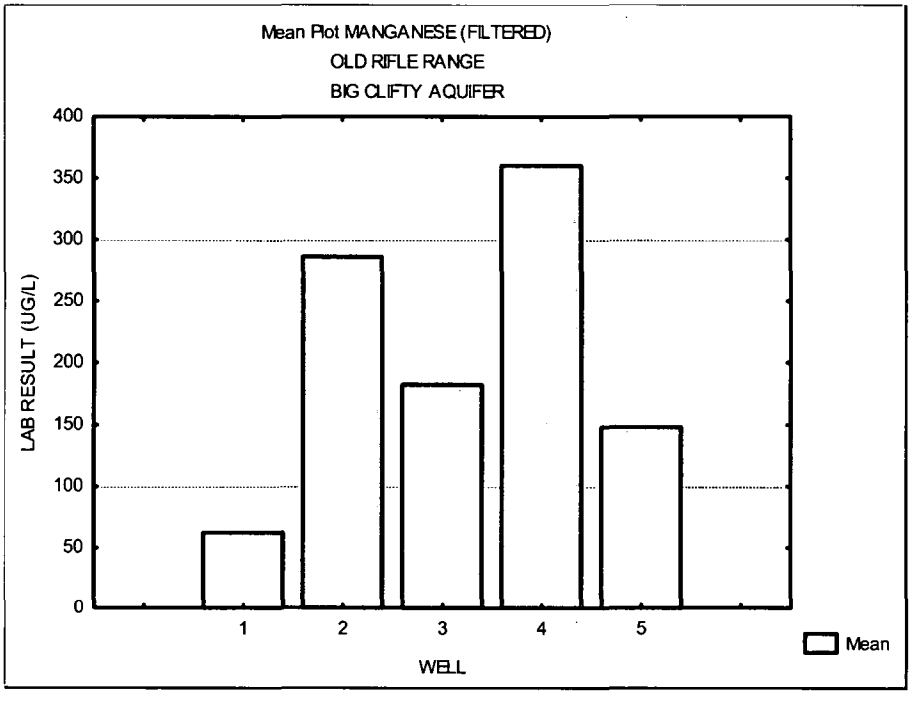


MANGANESE (FILTERED) (UG/L)
OLD RIFLE RANGE
BIG CLIFTY AQUIFER

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C11P2	102.9250	4	10.2786	93.1000	116.0000
2	C13P2	478.1250	4	315.4485	7.5000	681.0000
3*	C14P2*	13.6250	4	4.1048	7.5000	16.1000
4	C18P2	407.1250	4	271.3535	7.5000	592.0000
5	C19P2	127.2500	4	6.8496	121.0000	137.0000
	All Grps	225.8100	20	249.7821	7.5000	681.0000

Table 7.97.

* Denotes Upgradient Well

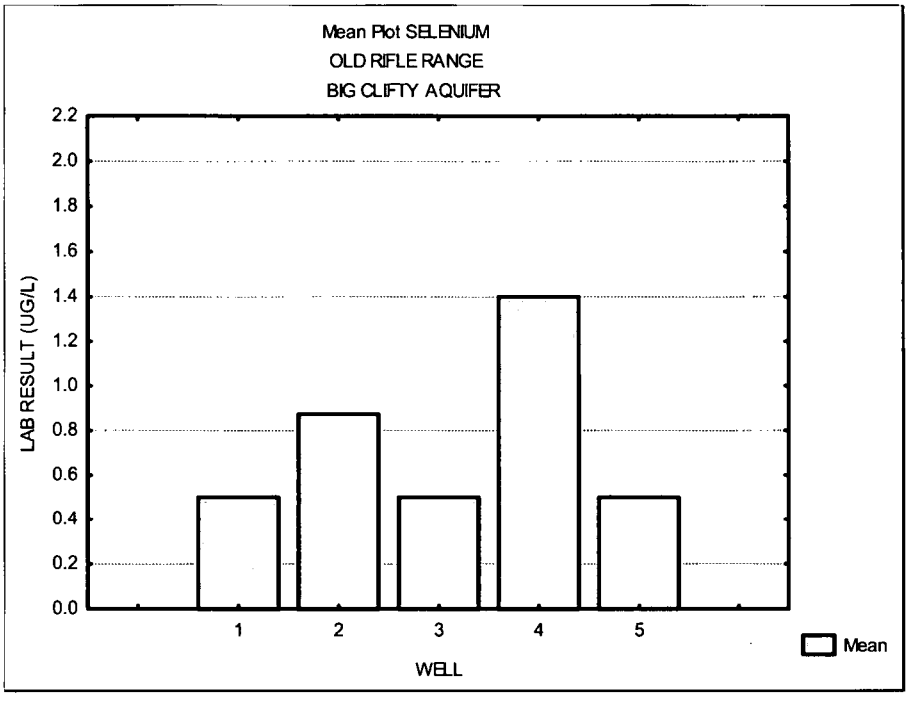


SELENIUM (UG/L)
OLD RIFLE RANGE
BIG CLIFTY AQUIFER

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C11P2	0.500000	4	0.000000	0.500000	0.500000
2	C13P2	0.875000	4	0.750000	0.500000	2.000000
3*	C14P2*	0.500000	4	0.000000	0.500000	0.500000
4	C18P2	1.400000	4	1.321615	0.500000	3.300000
5	C19P2	0.500000	4	0.000000	0.500000	0.500000
	All Grps	0.755000	20	0.704478	0.500000	3.300000

Table 7.98.

* Denotes Upgradient Well



MISCELLANEOUS PARAMETERS

OLD RIFLE RANGE
BIG CLIFTY AQUIFER

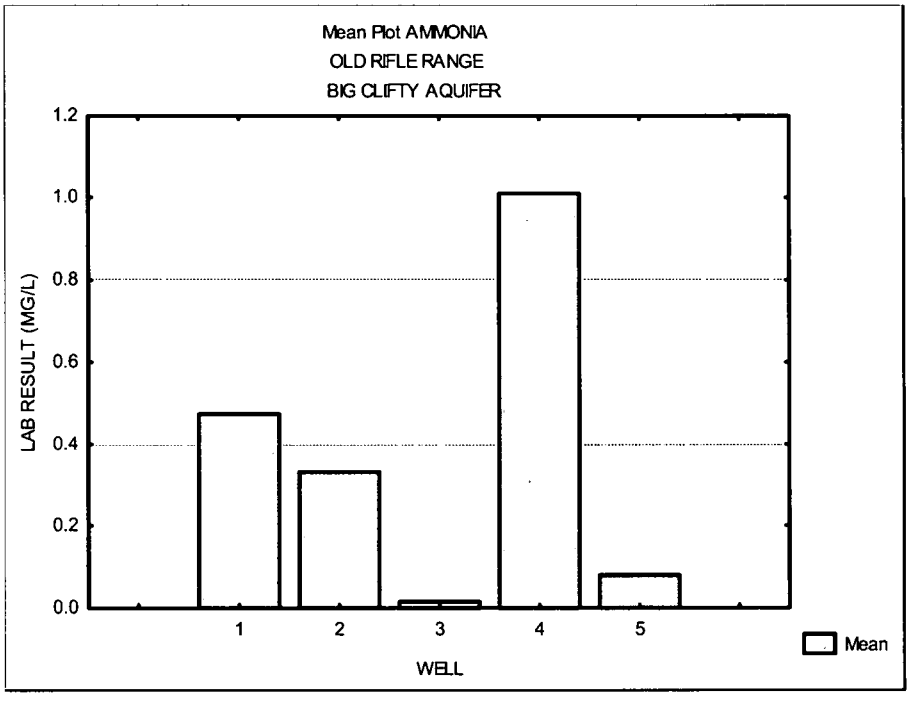
Tables 7.99 through 7.100

AMMONIA (MG/L)
OLD RIFLE RANGE
BIG CLIFTY AQUIFER

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C11P2	0.475000	4	0.883723	0.010000	1.800000
2	C13P2	0.332500	4	0.037749	0.290000	0.380000
3*	C14P2*	0.015000	4	0.010000	0.010000	0.030000
4	C18P2	1.010000	4	0.114891	0.860000	1.100000
5	C19P2	0.080000	4	0.043205	0.020000	0.120000
	All Grps	0.382500	20	0.508774	0.010000	1.800000

Table 7.99.

* Denotes Upgradient Well

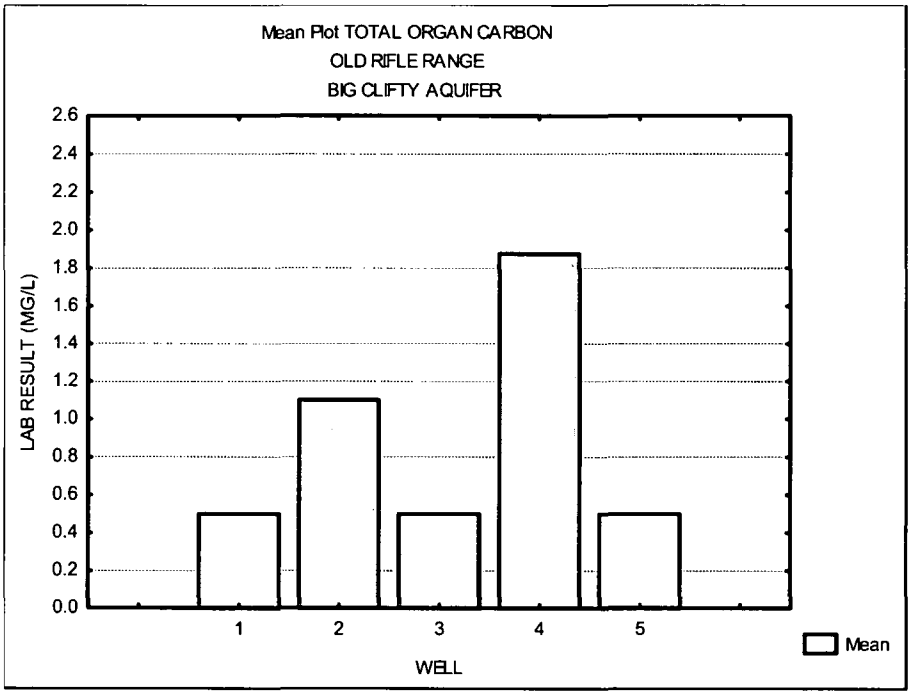


TOTAL ORGANIC CARBON (MG/L)
OLD RIFLE RANGE
BIG CLIFTY AQUIFER

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C11P2	0.500000	4	0.000000	0.500000	0.500000
2	C13P2	1.100000	4	0.081650	1.000000	1.200000
3*	C14P2*	0.500000	4	0.000000	0.500000	0.500000
4	C18P2	1.875000	4	0.967385	0.500000	2.600000
5	C19P2	0.500000	4	0.000000	0.500000	0.500000
	All Grps	0.895000	20	0.677049	0.500000	2.600000

Table 7.100.

* Denotes Upgradient Well



METALS

DEMO RANGE
BIG CLIFTY/BEECH CREEK AQUIFER

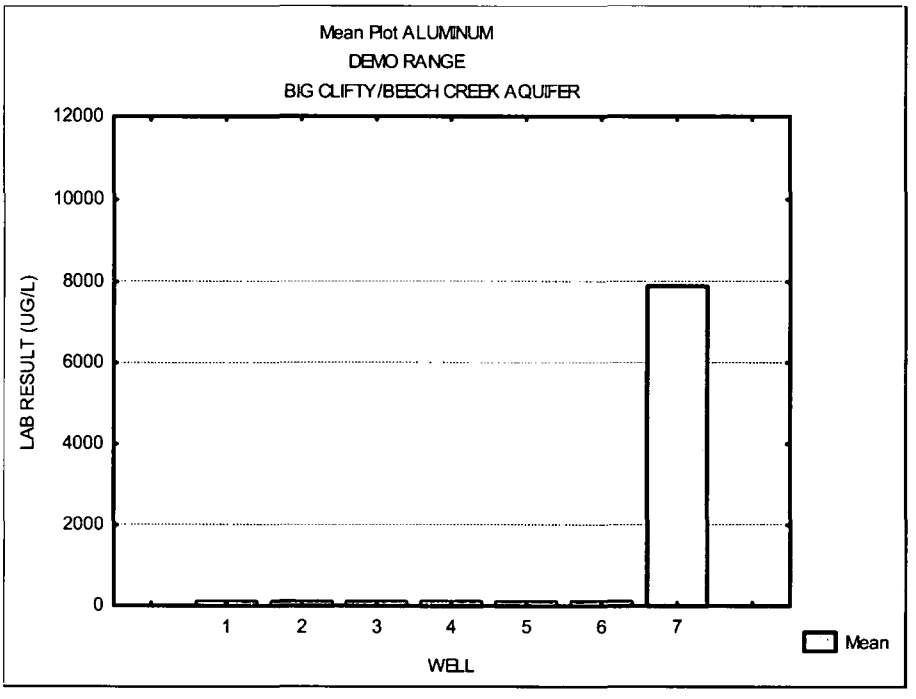
Tables 7.101 through 7.113

ALUMINUM (UG/L)
DEMO RANGE
BIG CLIFTY/BEECH CREEK AQUIFER

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C02	100.000	4	0.000	100.0000	100.00
2	C03	100.000	4	0.000	100.0000	100.00
3	C04	100.000	4	0.000	100.0000	100.00
4	C05	100.000	4	0.000	100.0000	100.00
5	C06	100.000	4	0.000	100.0000	100.00
6	C07	100.000	4	0.000	100.0000	100.00
7*	C08*	7887.000	4	8679.239	258.0000	15700.00
	All Grps	1212.429	28	4008.727	100.0000	15700.00

Table 7.101.

* Denotes Upgradient Well

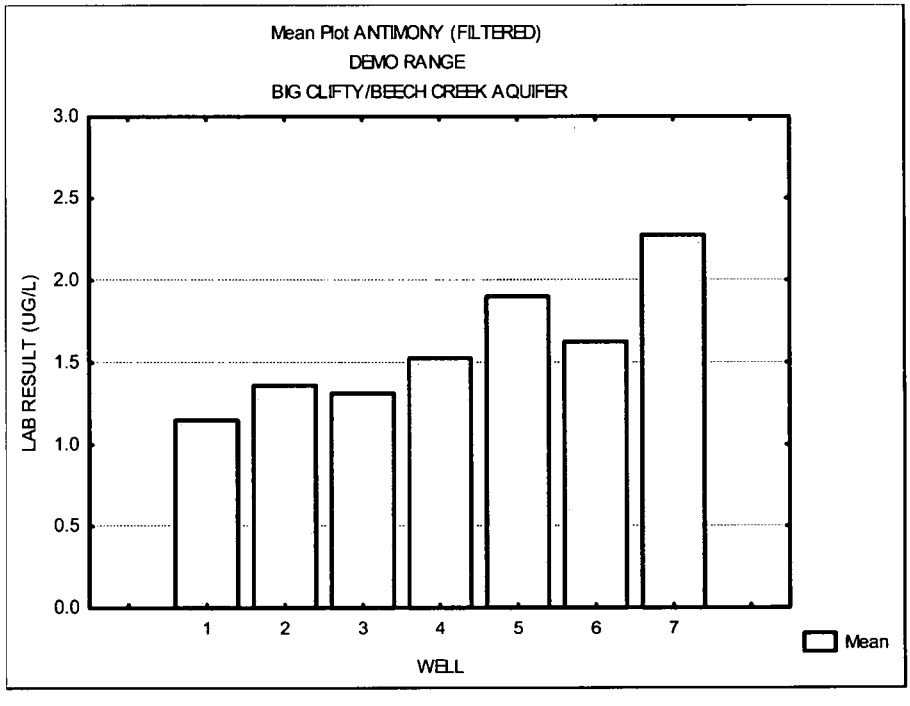


ANTIMONY (FILTERED) (UG/L)
DEMO RANGE
BIG CLIFTY/BEECH CREEK AQUIFER

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C02	1.150000	4	1.300000	0.500000	3.100000
2	C03	1.362500	4	1.138255	0.500000	2.900000
3	C04	1.312500	4	1.179248	0.500000	3.000000
4	C05	1.525000	4	0.842120	0.500000	2.500000
5	C06	1.900000	4	1.045626	0.500000	2.700000
6	C07	1.625000	4	1.299679	0.500000	2.800000
7*	C08*	2.275000	4	1.255322	0.500000	3.300000
	All Grps	1.592857	28	1.087021	0.500000	3.300000

Table 7.102.

* Denotes Upgradient Well

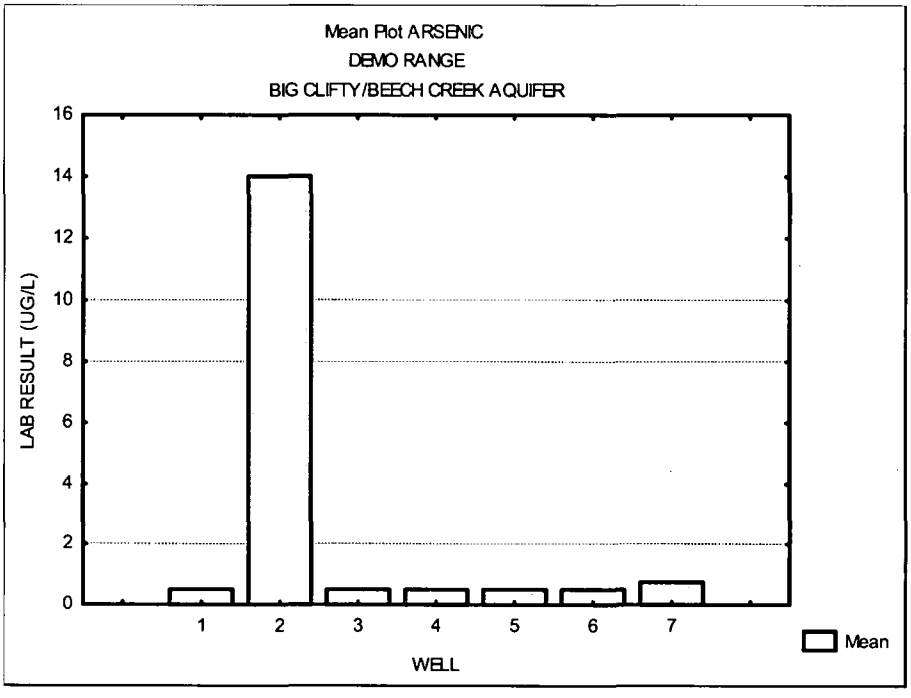


ARSENIC (UG/L)
DEMO RANGE
BIG CLIFTY/BEECH CREEK AQUIFER

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C02	0.50000	4	0.000000	0.50000	0.50000
2	C03	14.01250	4	2.089807	11.20000	16.20000
3	C04	0.50000	4	0.000000	0.50000	0.50000
4	C05	0.50000	4	0.000000	0.50000	0.50000
5	C06	0.50000	4	0.000000	0.50000	0.50000
6	C07	0.50000	4	0.000000	0.50000	0.50000
7*	C08*	0.75000	4	0.500000	0.50000	1.50000
	All Grps	2.46607	28	4.854247	0.50000	16.20000

Table 7.103.

* Denotes Upgradient Well

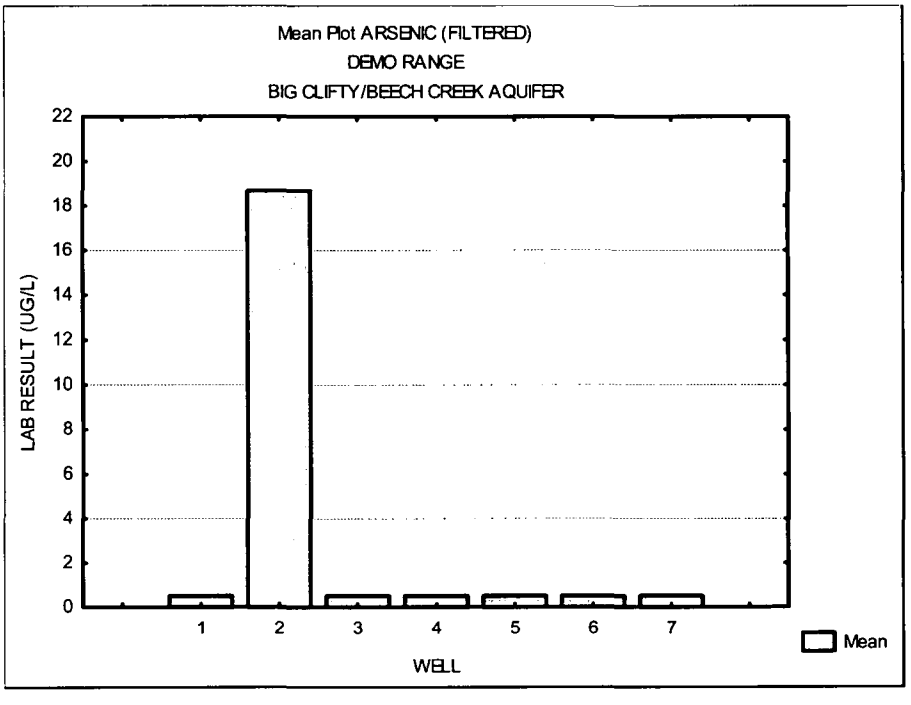


ARSENIC (FILTERED) (UG/L)
DEMO RANGE
BIG CLIFTY/BEECH CREEK AQUIFER

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C02	0.50000	4	0.000000	0.50000	0.50000
2	C03	18.68750	4	1.351774	17.90000	20.70000
3	C04	0.50000	4	0.000000	0.50000	0.50000
4	C05	0.50000	4	0.000000	0.50000	0.50000
5	C06	0.50000	4	0.000000	0.50000	0.50000
6	C07	0.50000	4	0.000000	0.50000	0.50000
7*	C08*	0.50000	4	0.000000	0.50000	0.50000
	All Grps	3.09821	28	6.496730	0.50000	20.70000

Table 7.104.

* Denotes Upgradient Well

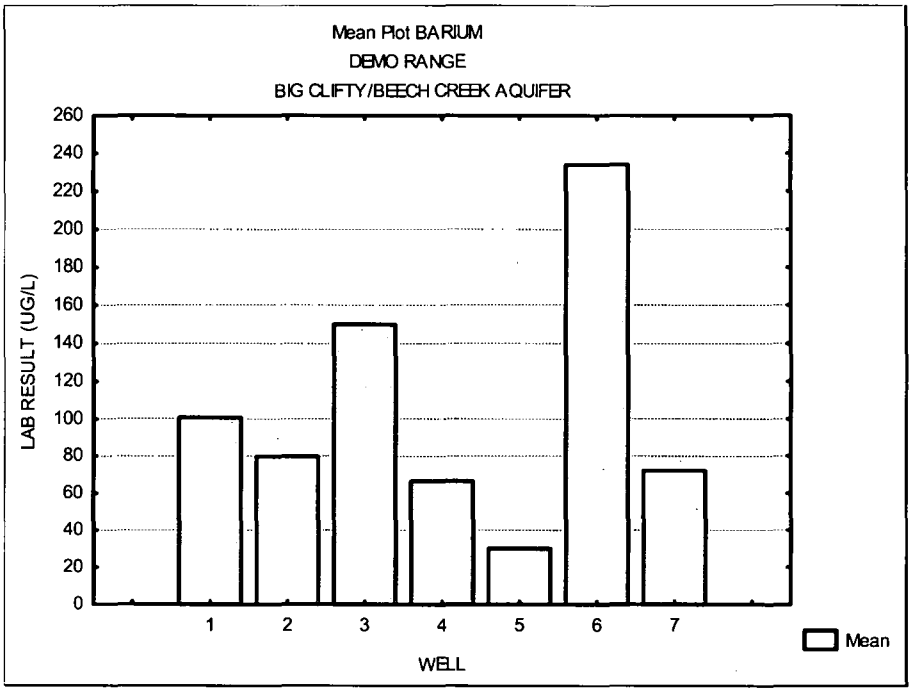


BARIUM (UG/L)
DEMO RANGE
BIG CLIFTY/BEECH CREEK AQUIFER

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C02	100.7000	4	6.23912	94.3000	107.0000
2	C03	79.6750	4	2.58634	77.5000	83.2000
3	C04	149.8750	4	8.91978	141.5000	162.5000
4	C05	66.5625	4	3.33051	63.0000	69.5000
5	C06	30.0625	4	4.16481	26.6000	36.1000
6	C07	234.0000	4	19.44222	207.0000	252.0000
7*	C08*	72.1250	4	45.65489	36.0000	134.0000
	All Grps	104.7143	28	66.05258	26.6000	252.0000

Table 7.105.

* Denotes Upgradient Well

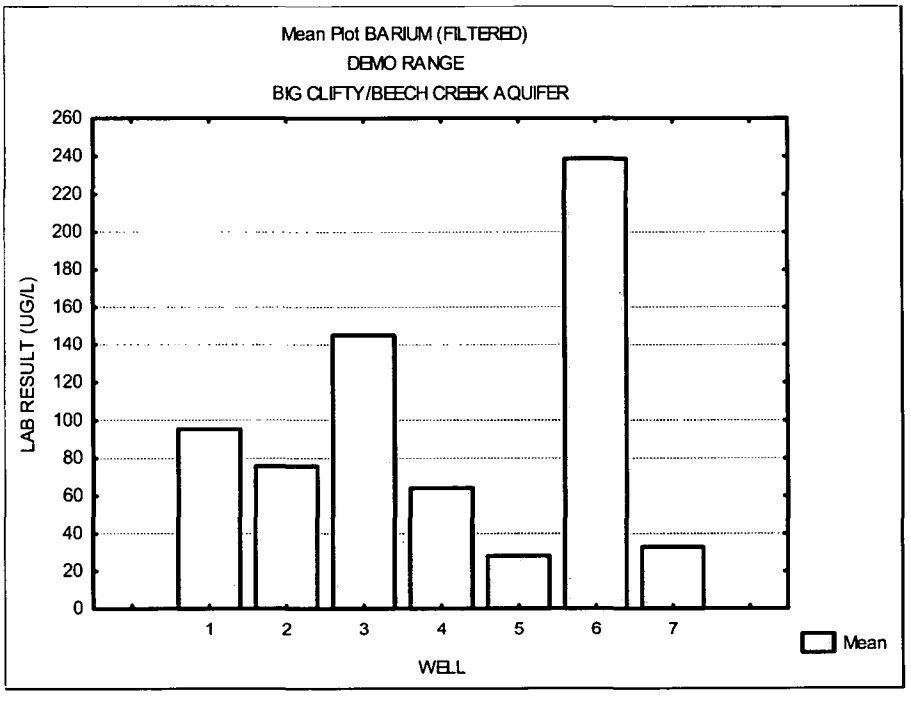


BARIUM (FILTERED) (UG/L)
DEMO RANGE
BIG CLIFTY/BEECH CREEK AQUIFER

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C02	95.4500	4	5.97802	87.5000	102.0000
2	C03	75.8000	4	5.53579	71.8500	84.0000
3	C04	145.2500	4	9.61336	134.0000	155.5000
4	C05	64.2250	4	2.83945	60.9000	67.8000
5	C06	28.1125	4	3.76660	24.7000	32.1000
6	C07	238.7500	4	7.13559	229.0000	246.0000
7*	C08*	32.9000	4	3.04740	30.6000	37.1000
	All Grps	97.2125	28	69.90161	24.7000	246.0000

Table 7.106.

* Denotes Upgradient Well

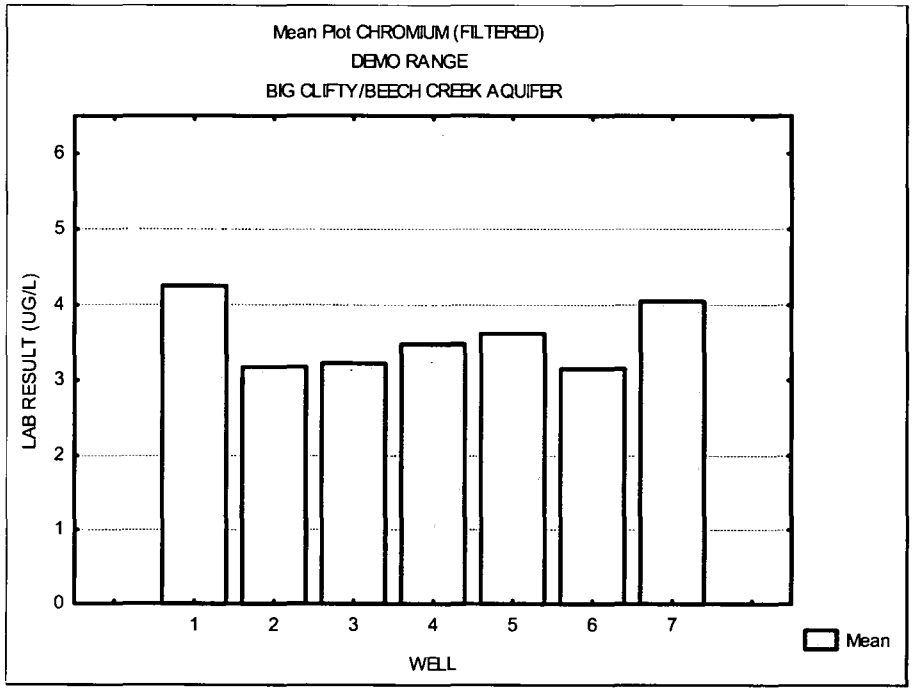


CHROMIUM (FILTERED) (UG/L)
DEMO RANGE
BIG CLIFTY/BEECH CREEK AQUIFER

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C02	4.250000	4	3.500000	2.500000	9.500000
2	C03	3.175000	4	1.350000	2.500000	5.200000
3	C04	3.225000	4	1.450000	2.500000	5.400000
4	C05	3.475000	4	1.950000	2.500000	6.400000
5	C06	3.625000	4	2.250000	2.500000	7.000000
6	C07	3.150000	4	1.300000	2.500000	5.100000
7*	C08*	4.050000	4	3.100000	2.500000	8.700000
	All Grps	3.564286	28	2.051596	2.500000	9.500000

Table 7.107.

* Denotes Upgradient Well

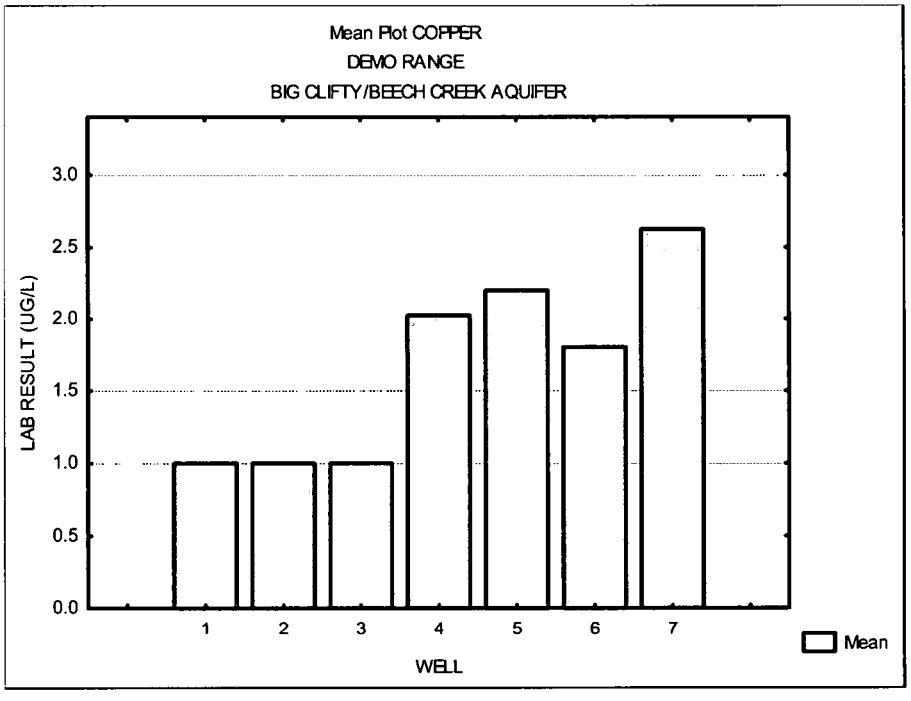


COPPER (UG/L)
DEMO RANGE
BIG CLIFTY/BEECH CREEK AQUIFER

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C02	1.000000	4	0.000000	1.000000	1.000000
2	C03	1.000000	4	0.000000	1.000000	1.000000
3	C04	1.000000	4	0.000000	1.000000	1.000000
4	C05	2.025000	4	1.201041	1.000000	3.300000
5	C06	2.200000	4	1.385641	1.000000	3.400000
6	C07	1.800000	4	0.927362	1.000000	2.700000
7*	C08*	2.625000	4	1.281601	1.000000	3.700000
	All Grps	1.664286	28	1.024230	1.000000	3.700000

Table 7.108.

* Denotes Upgradient Well

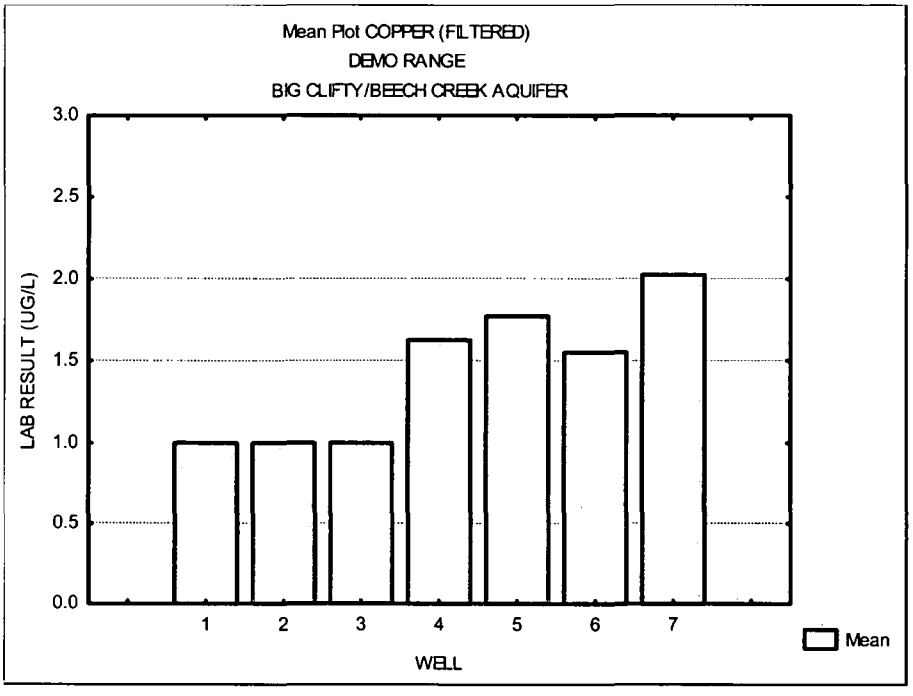


COPPER (FILTERED) (UG/L)
DEMO RANGE
BIG CLIFTY/BEECH CREEK AQUIFER

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C02	1.000000	4	0.000000	1.000000	1.000000
2	C03	1.000000	4	0.000000	1.000000	1.000000
3	C04	1.000000	4	0.000000	1.000000	1.000000
4	C05	1.625000	4	1.250000	1.000000	3.500000
5	C06	1.775000	4	1.550000	1.000000	4.100000
6	C07	1.550000	4	1.100000	1.000000	3.200000
7*	C08*	2.025000	4	2.050000	1.000000	5.100000
	All Grps	1.425000	28	1.096332	1.000000	5.100000

Table 7.109.

* Denotes Upgradient Well

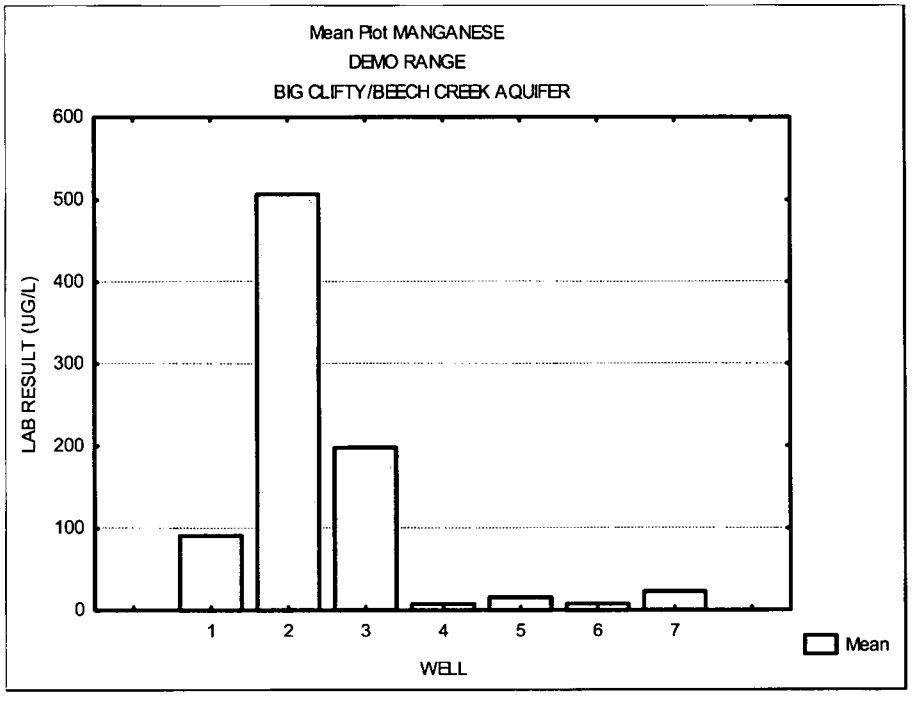


MANGANESE (UG/L)
DEMO RANGE
BIG CLIFTY/BEECH CREEK AQUIFER

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C02	91.2250	4	5.2086	86.7000	98.3000
2	C03	507.0000	4	42.4028	454.0000	549.0000
3	C04	197.8750	4	5.8790	189.5000	203.0000
4	C05	7.5000	4	0.0000	7.5000	7.5000
5	C06	15.8250	4	9.7185	7.5000	25.9000
6	C07	7.5000	4	0.0000	7.5000	7.5000
7*	C08*	22.9500	4	19.2634	7.5000	47.3000
	All Grps	121.4107	28	173.8348	7.5000	549.0000

Table 7.110.

* Denotes Upgradient Well

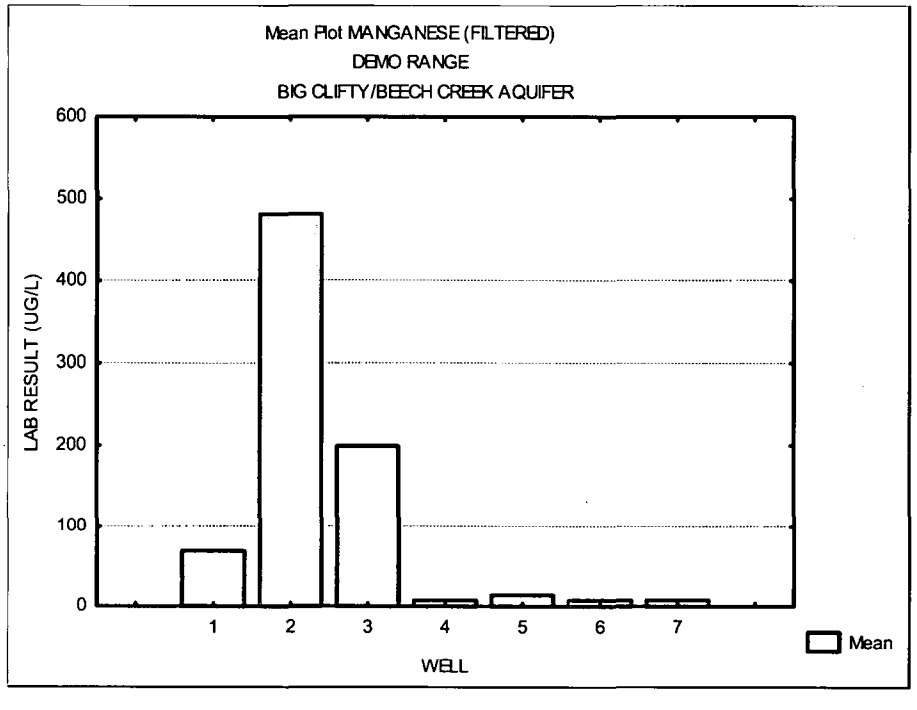


MANGANESE (FILTERED) (UG/L)
DEMO RANGE
BIG CLIFTY/BEECH CREEK AQUIFER

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C02	69.3250	4	41.4145	7.5000	93.6000
2	C03	481.0000	4	37.2894	446.5000	514.0000
3	C04	199.2500	4	12.4130	184.5000	213.0000
4	C05	7.5000	4	0.0000	7.5000	7.5000
5	C06	14.1125	4	7.6361	7.5000	20.8500
6	C07	7.5000	4	0.0000	7.5000	7.5000
7*	C08*	7.5000	4	0.0000	7.5000	7.5000
	All Grps	112.3125	28	167.9618	7.5000	514.0000

Table 7.111.

* Denotes Upgradient Well

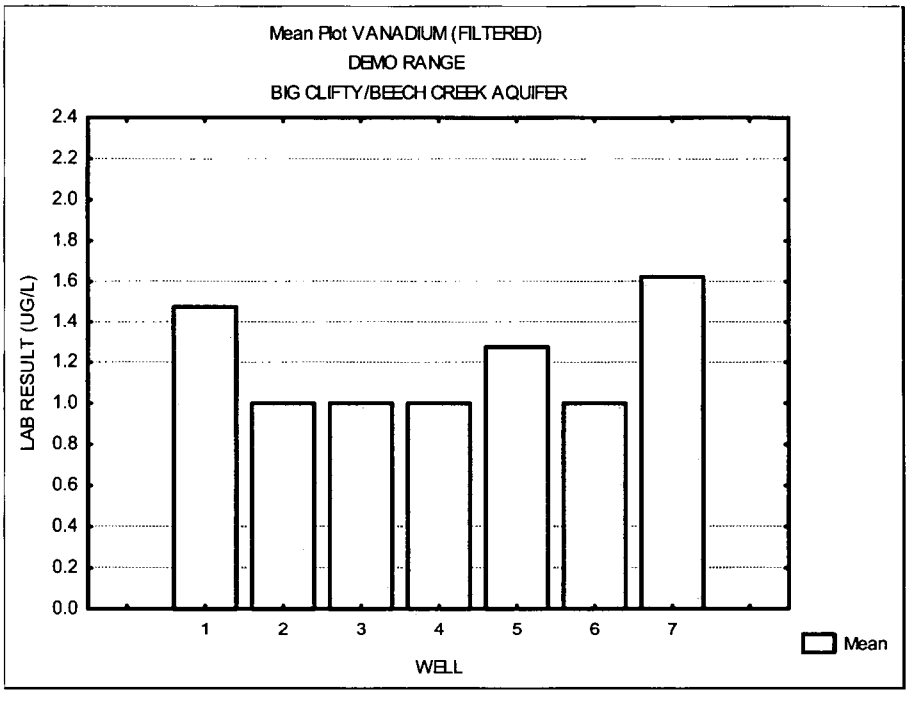


VANADIUM (FILTERED) (UG/L)
DEMO RANGE
BIG CLIFTY/BEECH CREEK AQUIFER

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C02	1.475000	4	0.950000	1.000000	2.900000
2	C03	1.000000	4	0.000000	1.000000	1.000000
3	C04	1.000000	4	0.000000	1.000000	1.000000
4	C05	1.000000	4	0.000000	1.000000	1.000000
5	C06	1.275000	4	0.550000	1.000000	2.100000
6	C07	1.000000	4	0.000000	1.000000	1.000000
7*	C08*	1.625000	4	1.250000	1.000000	3.500000
	All Grps	1.196429	28	0.608265	1.000000	3.500000

Table 7.112.

* Denotes Upgradient Well

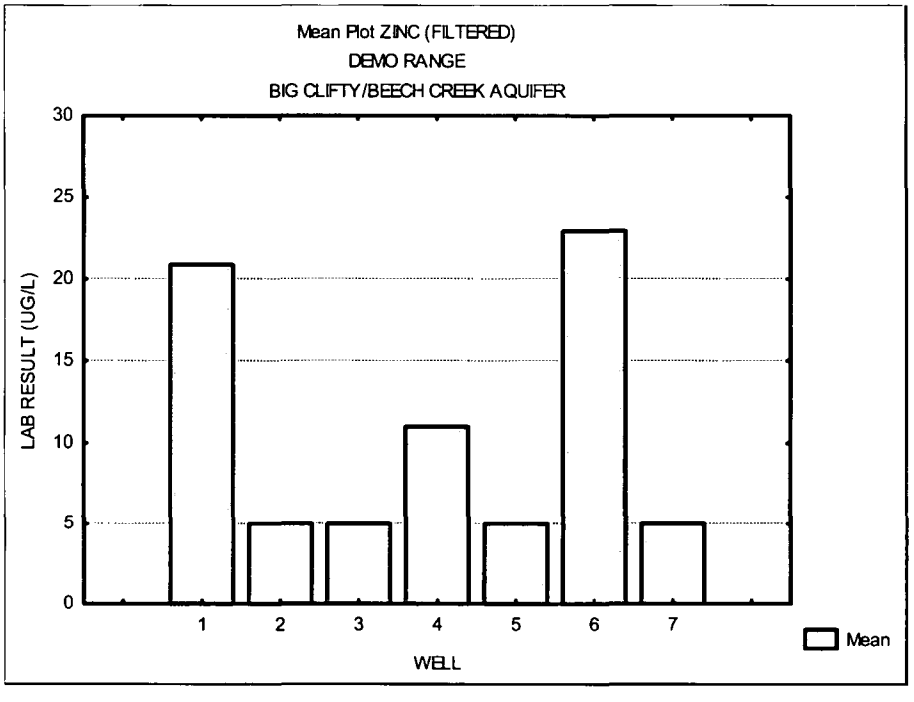


ZINC (FILTERED) (UG/L)
DEMO RANGE
BIG CLIFTY/BEECH CREEK AQUIFER

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C02	20.87500	4	31.75000	5.000000	68.50000
2	C03	5.00000	4	0.00000	5.000000	5.00000
3	C04	5.00000	4	0.00000	5.000000	5.00000
4	C05	11.00000	4	12.00000	5.000000	29.00000
5	C06	5.00000	4	0.00000	5.000000	5.00000
6	C07	22.92500	4	35.85000	5.000000	76.70000
7*	C08*	5.00000	4	0.00000	5.000000	5.00000
	All Grps	10.68571	28	18.09847	5.000000	76.70000

Table 7.113.

* Denotes Upgradient Well



MISCELLANEOUS PARAMETERS

DEMO RANGE
BIG CLIFTY/BEECH CREEK AQUIFER

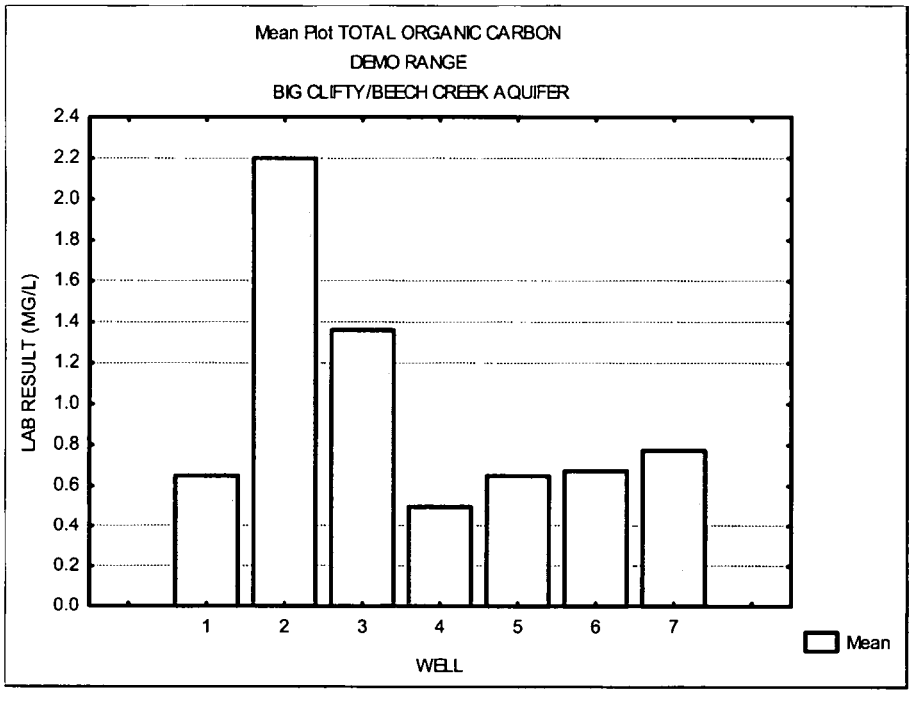
Table 7.114

TOTAL ORGANIC CARBON (MG/L)
DEMO RANGE
BIG CLIFTY/BEECH CREEK AQUIFER

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C02	0.650000	4	0.300000	0.500000	1.100000
2	C03	2.200000	4	0.187083	1.950000	2.400000
3	C04	1.362500	4	0.330088	1.000000	1.800000
4	C05	0.500000	4	0.000000	0.500000	0.500000
5	C06	0.650000	4	0.300000	0.500000	1.100000
6	C07	0.675000	4	0.350000	0.500000	1.200000
7*	C08*	0.775000	4	0.550000	0.500000	1.600000
	All Grps	0.973214	28	0.641682	0.500000	2.400000

Table 7.114.

* Denotes Upgradient Well



METALS

DEMO RANGE
PENNSYLVANIAN AQUIFER

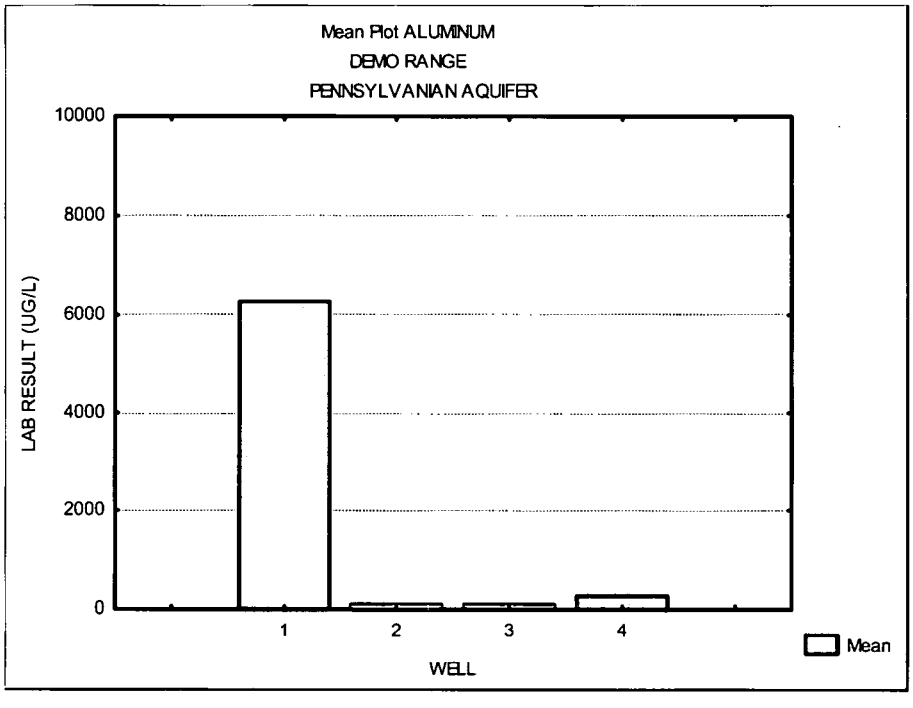
Tables 7.115 through 7.131

ALUMINUM (UG/L)
DEMO RANGE
PENNSYLVANIAN AQUIFER

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C03P2	6275.000	4	12350.00	100.0000	24800.00
2	C04P2	100.000	4	0.00	100.0000	100.00
3	C06P2	100.000	4	0.00	100.0000	100.00
4*	C08P2*	272.000	3	55.51	237.0000	336.00
	All Grps	1781.067	15	6368.42	100.0000	24800.00

Table 7.115.

* Denotes Upgradient Well

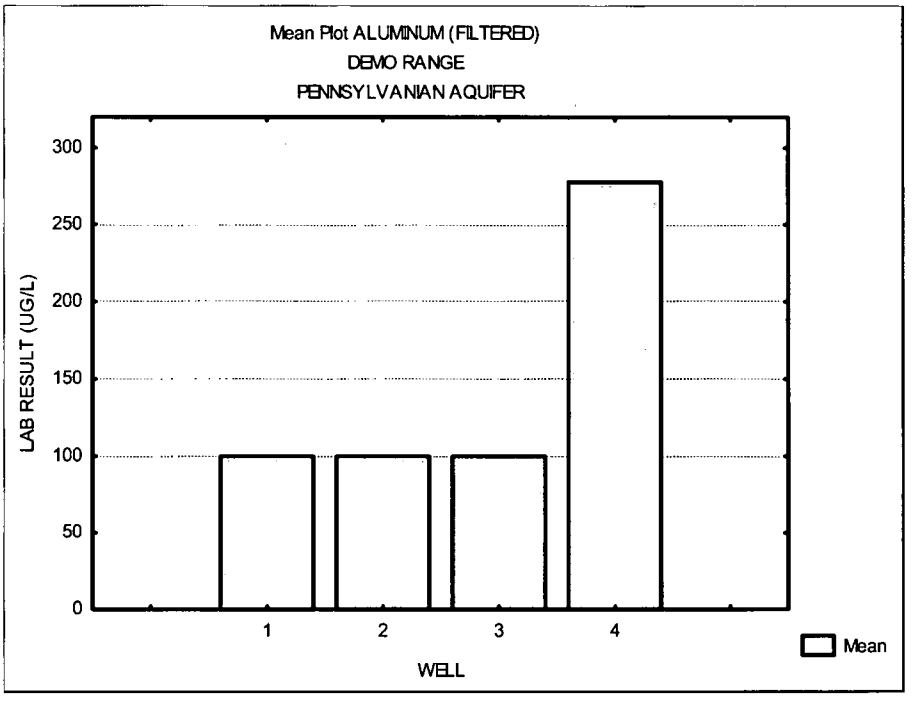


ALUMINUM (FILTERED) (UG/L)
DEMO RANGE
PENNSYLVANIAN AQUIFER

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C03P2	100.0000	4	0.00000	100.0000	100.0000
2	C04P2	100.0000	4	0.00000	100.0000	100.0000
3	C06P2	100.0000	4	0.00000	100.0000	100.0000
4*	C08P2*	278.0000	3	47.08503	241.0000	331.0000
	All Grps	135.6000	15	75.81726	100.0000	331.0000

Table 7.116.

* Denotes Upgradient Well

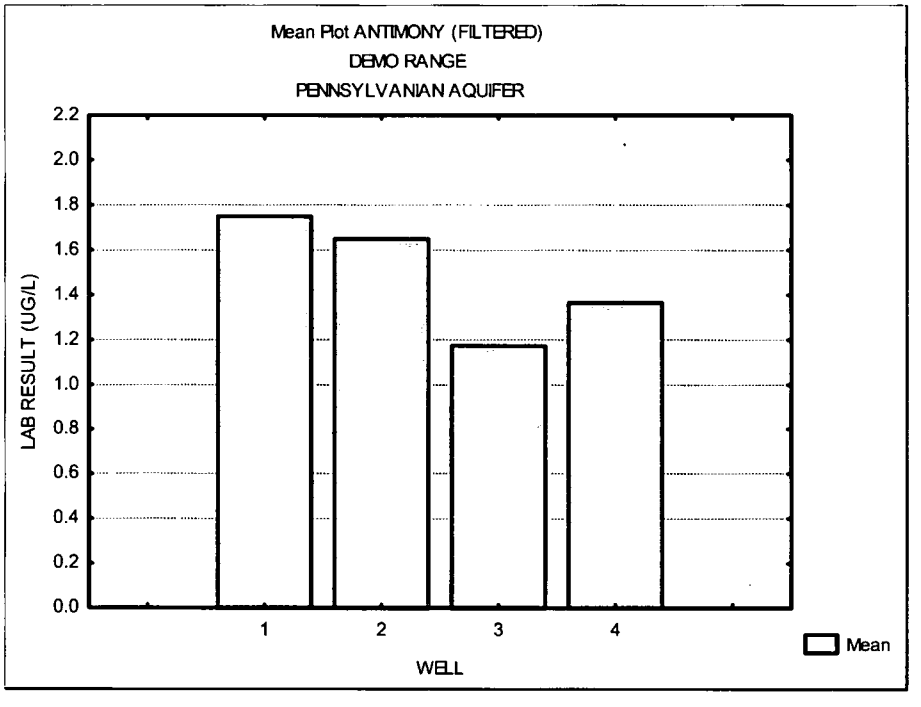


ANTIMONY (FILTERED) (UG/L)
DEMO RANGE
PENNSYLVANIAN AQUIFER

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C03P2	1.750000	4	0.331662	1.400000	2.200000
2	C04P2	1.650000	4	1.337909	0.500000	3.000000
3	C06P2	1.175000	4	0.805709	0.500000	2.100000
4*	C08P2*	1.366667	3	1.501111	0.500000	3.100000
	All Grps	1.493333	15	0.962487	0.500000	3.100000

Table 7.117.

* Denotes Upgradient Well

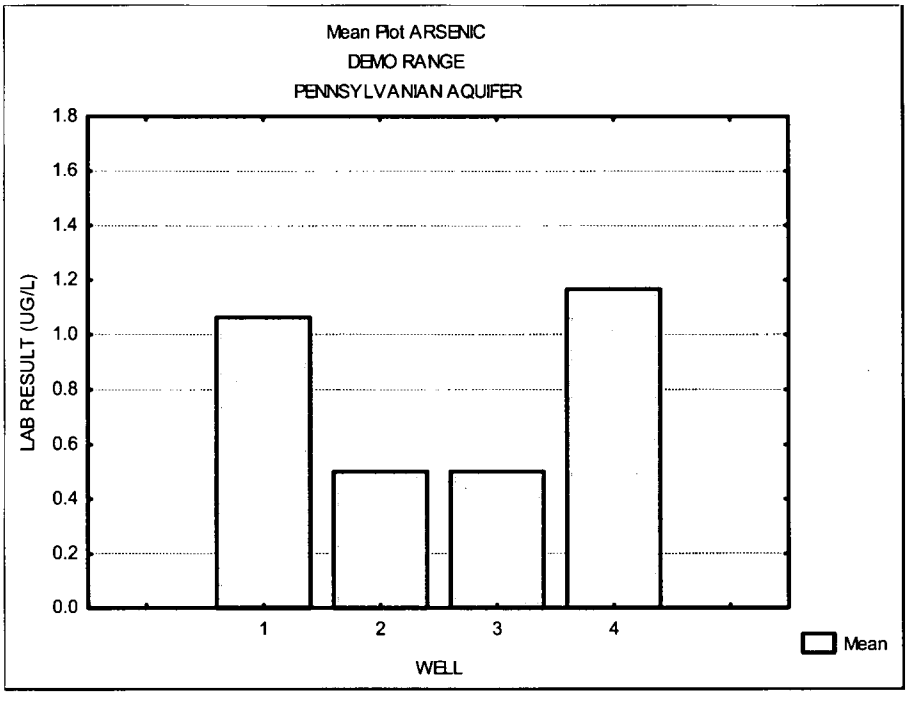


ARSENIC (UG/L)
DEMO RANGE
PENNSYLVANIAN AQUIFER

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C03P2	1.062500	4	1.125000	0.500000	2.750000
2	C04P2	0.500000	4	0.000000	0.500000	0.500000
3	C06P2	0.500000	4	0.000000	0.500000	0.500000
4*	C08P2*	1.166667	3	0.057735	1.100000	1.200000
	All Grps	0.783333	15	0.609352	0.500000	2.750000

Table 7.118.

* Denotes Upgradient Well

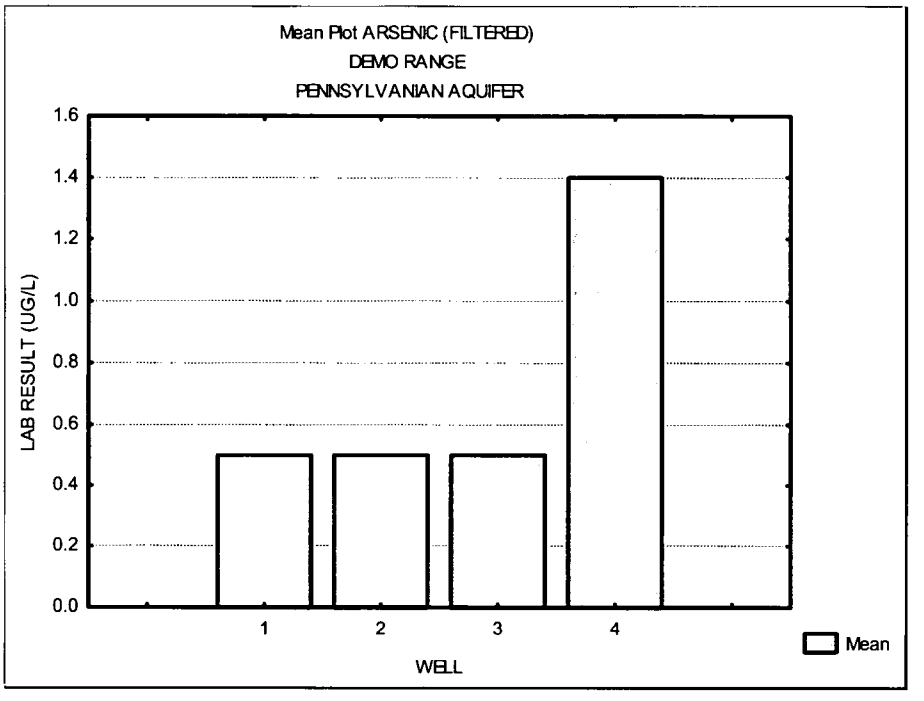


ARSENIC (FILTERED) (UG/L)
DEMO RANGE
PENNSYLVANIAN AQUIFER

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C03P2	0.500000	4	0.000000	0.500000	0.500000
2	C04P2	0.500000	4	0.000000	0.500000	0.500000
3	C06P2	0.500000	4	0.000000	0.500000	0.500000
4*	C08P2*	1.400000	3	0.200000	1.200000	1.600000
	All Grps	0.680000	15	0.380225	0.500000	1.600000

Table 7.119.

* Denotes Upgradient Well

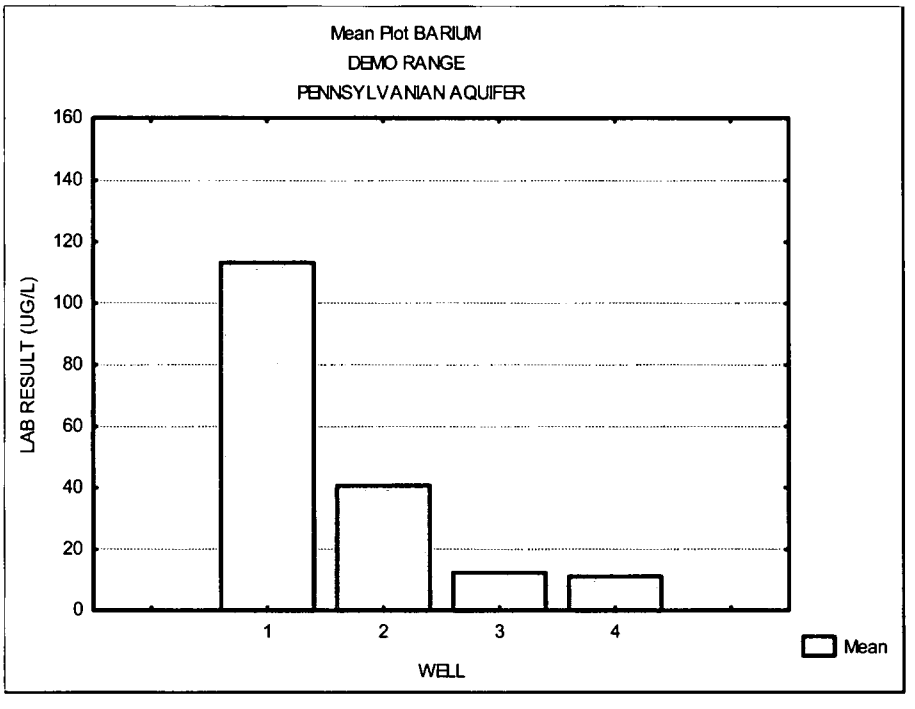


BARIUM (UG/L)
DEMO RANGE
PENNSYLVANIAN AQUIFER

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C03P2	113.2250	4	44.85364	85.10000	180.0000
2	C04P2	40.6500	4	5.73905	33.30000	46.6000
3	C06P2	12.3750	4	0.48563	11.90000	13.0000
4*	C08P2*	11.1333	3	0.85049	10.50000	12.1000
	All Grps	46.5600	15	48.17581	10.50000	180.0000

Table 7.120.

* Denotes Upgradient Well

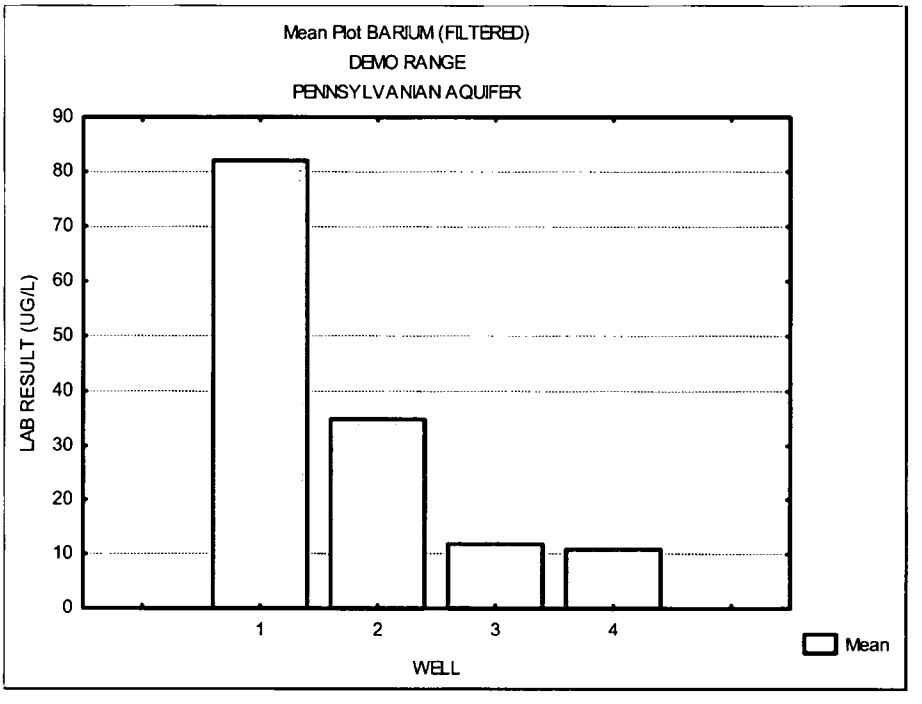


BARIUM (FILTERED) (UG/L)
DEMO RANGE
PENNSYLVANIAN AQUIFER

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C03P2	82.02500	4	4.48655	77.10000	87.80000
2	C04P2	34.87500	4	4.66503	27.90000	37.60000
3	C06P2	11.87500	4	0.76322	11.20000	12.80000
4*	C08P2*	10.90000	3	0.26458	10.70000	11.20000
	All Grps	36.52000	15	30.26061	10.70000	87.80000

Table 7.121.

* Denotes Upgradient Well

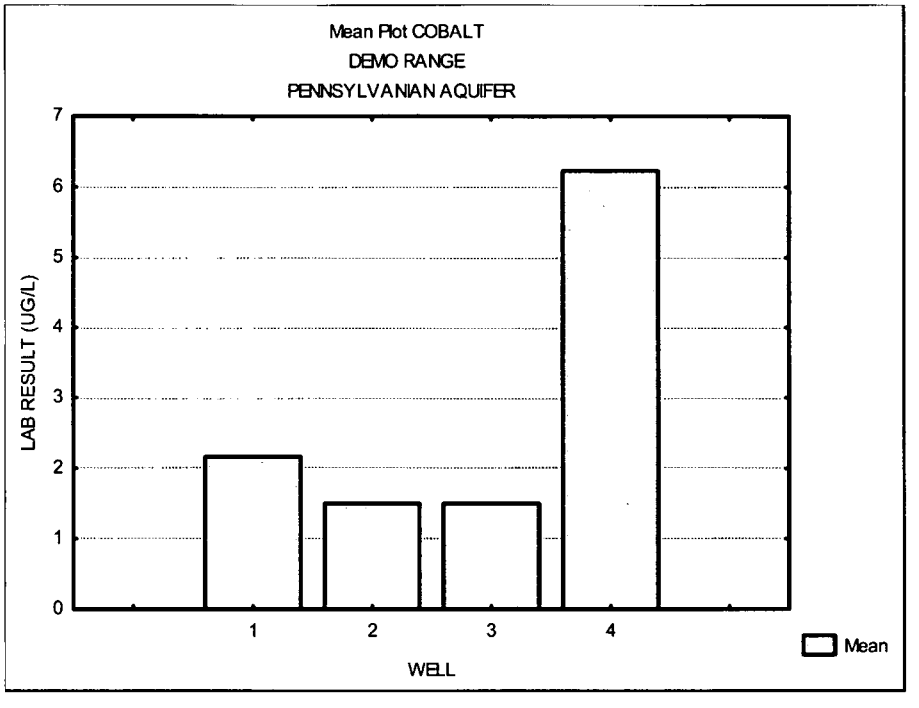


COBALT (UG/L)
DEMO RANGE
PENNSYLVANIAN AQUIFER

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C03P2	2.162500	4	1.325000	1.500000	4.150000
2	C04P2	1.500000	4	0.000000	1.500000	1.500000
3	C06P2	1.500000	4	0.000000	1.500000	1.500000
4*	C08P2*	6.233333	3	0.288675	5.900000	6.400000
	All Grps	2.623333	15	1.990591	1.500000	6.400000

Table 7.122.

* Denotes Upgradient Well

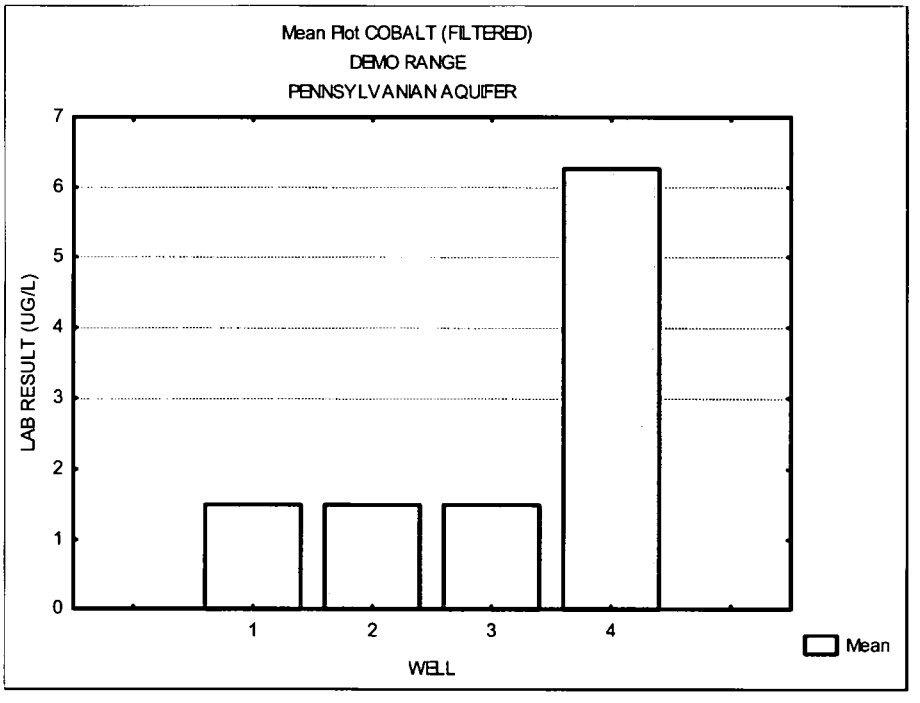


COBALT (FILTERED) (UG/L)
DEMO RANGE
PENNSYLVANIAN AQUIFER

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C03P2	1.500000	4	0.000000	1.500000	1.500000
2	C04P2	1.500000	4	0.000000	1.500000	1.500000
3	C06P2	1.500000	4	0.000000	1.500000	1.500000
4*	C08P2*	6.266667	3	0.115470	6.200000	6.400000
	All Grps	2.453333	15	1.974070	1.500000	6.400000

Table 7.123.

* Denotes Upgradient Well

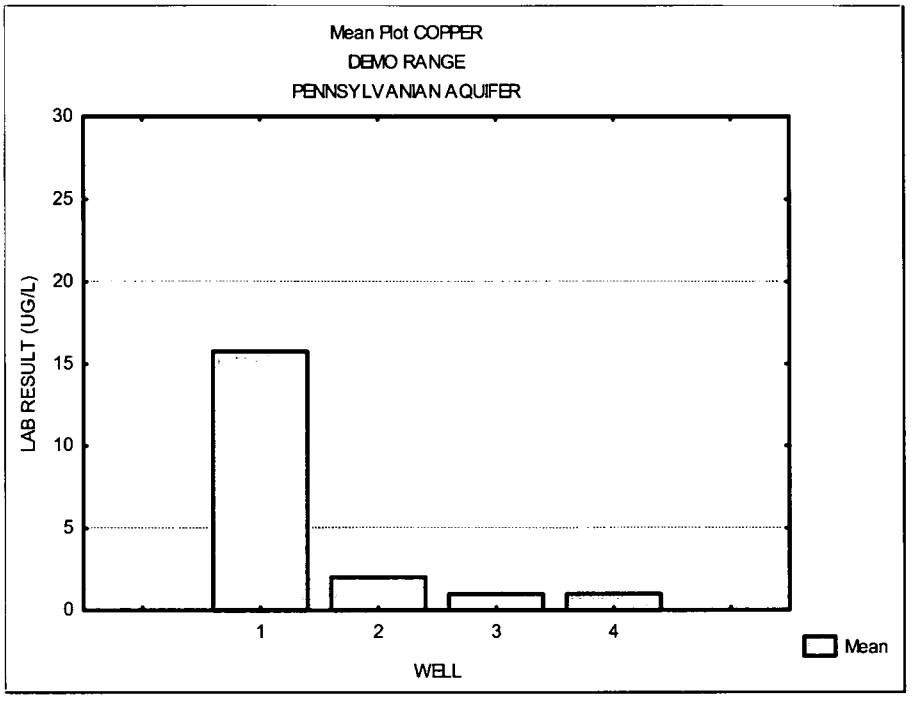


COPPER (UG/L)
DEMO RANGE
PENNSYLVANIAN AQUIFER

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C03P2	15.78750	4	27.00594	1.000000	56.20000
2	C04P2	2.02500	4	2.05000	1.000000	5.10000
3	C06P2	1.00000	4	0.00000	1.000000	1.00000
4*	C08P2*	1.00000	3	0.00000	1.000000	1.00000
	All Grps	5.21667	15	14.17429	1.000000	56.20000

Table 7.124.

* Denotes Upgradient Well

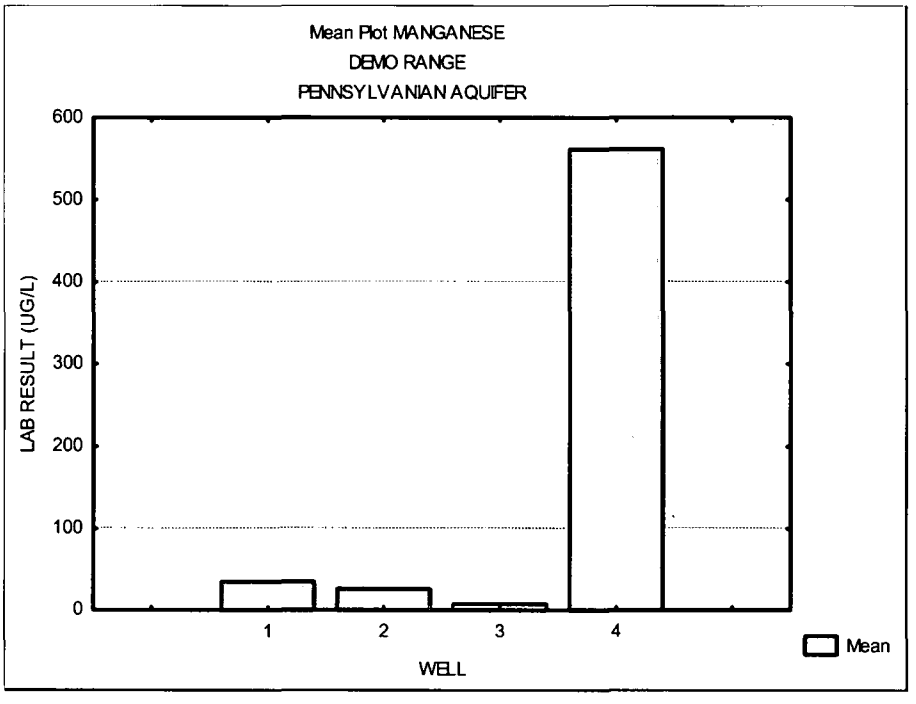


MANGANESE (UG/L)
DEMO RANGE
PENNSYLVANIAN AQUIFER

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C03P2	35.1500	4	42.4853	7.5000	98.5000
2	C04P2	26.0750	4	3.0071	22.8000	29.9000
3	C06P2	7.5000	4	0.0000	7.5000	7.5000
4*	C08P2*	561.6667	3	19.5021	548.0000	584.0000
	All Grps	130.6600	15	224.3112	7.5000	584.0000

Table 7.125.

* Denotes Upgradient Well

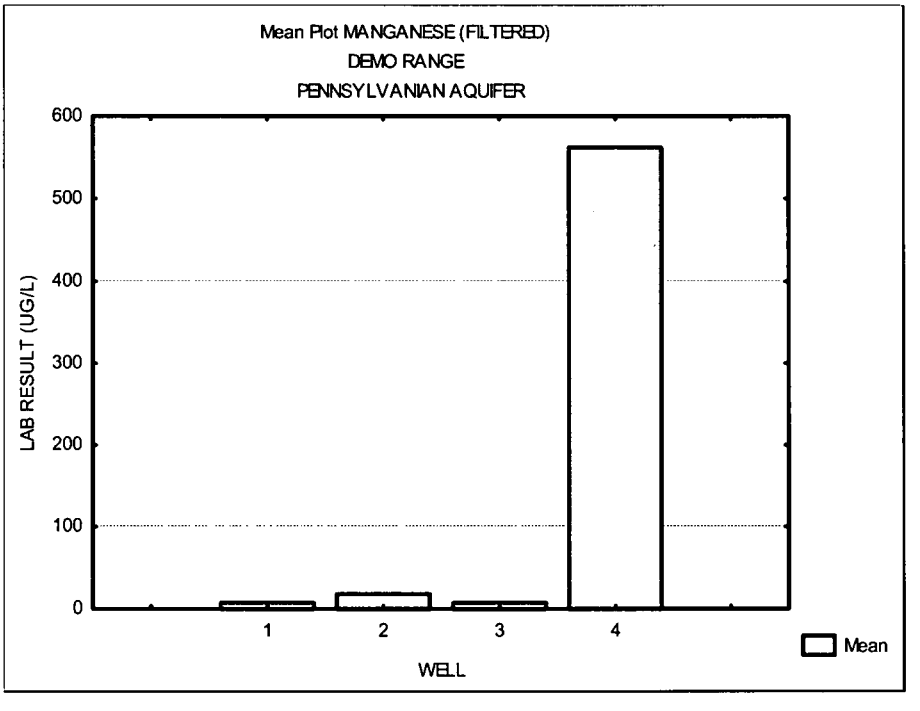


MANGANESE (FILTERED) (UG/L)
DEMO RANGE
PENNSYLVANIAN AQUIFER

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C03P2	7.5000	4	0.0000	7.5000	7.5000
2	C04P2	18.1750	4	7.1844	7.5000	23.0000
3	C06P2	7.5000	4	0.0000	7.5000	7.5000
4*	C08P2*	562.3333	3	19.5021	540.0000	576.0000
	All Grps	121.3133	15	228.4403	7.5000	576.0000

Table 7.126.

* Denotes Upgradient Well

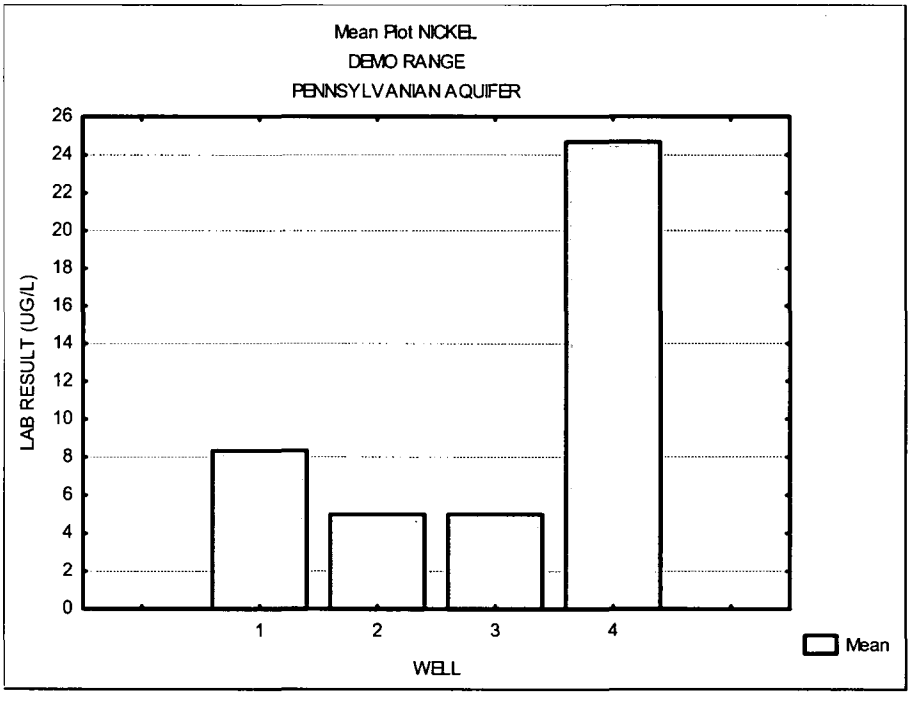


NICKEL (UG/L)
DEMO RANGE
PENNSYLVANIAN AQUIFER

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C03P2	8.33750	4	6.675000	5.00000	18.35000
2	C04P2	5.00000	4	0.000000	5.00000	5.00000
3	C06P2	5.00000	4	0.000000	5.00000	5.00000
4*	C08P2*	24.66667	3	0.665833	23.90000	25.10000
	All Grps	9.82333	15	8.411193	5.00000	25.10000

Table 7.127.

* Denotes Upgradient Well

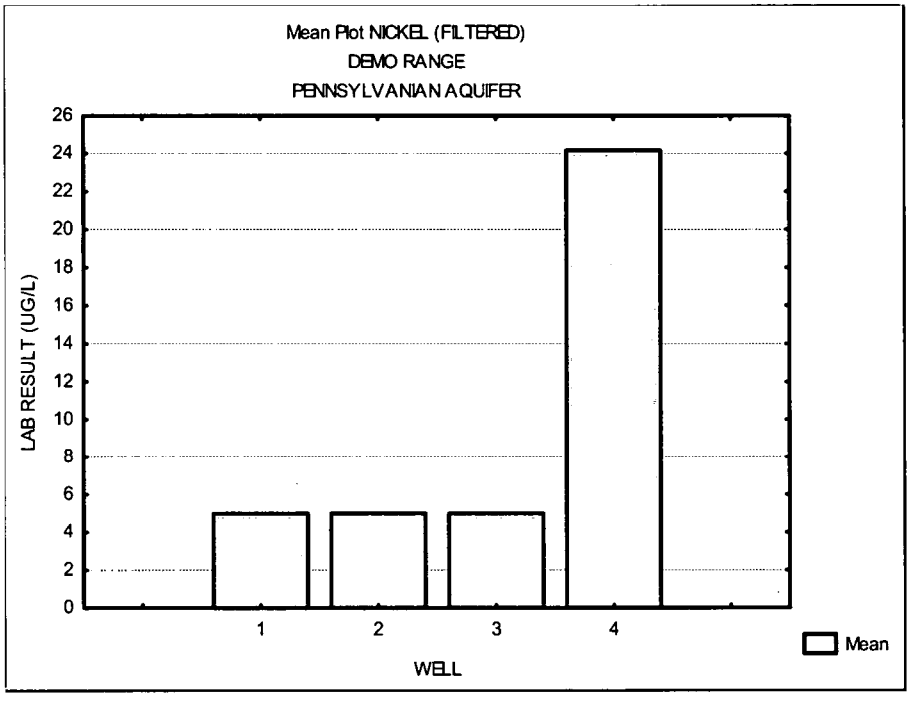


NICKEL (FILTERED) (UG/L)
DEMO RANGE
PENNSYLVANIAN AQUIFER

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C03P2	5.00000	6	0.000000	5.00000	5.00000
2	C04P2	5.00000	4	0.000000	5.00000	5.00000
3	C06P2	5.00000	4	0.000000	5.00000	5.00000
4*	C08P2*	24.16667	3	0.351188	23.80000	24.50000
	All Grps	8.38235	17	7.532615	5.00000	24.50000

Table 7.128.

* Denotes Upgradient Well

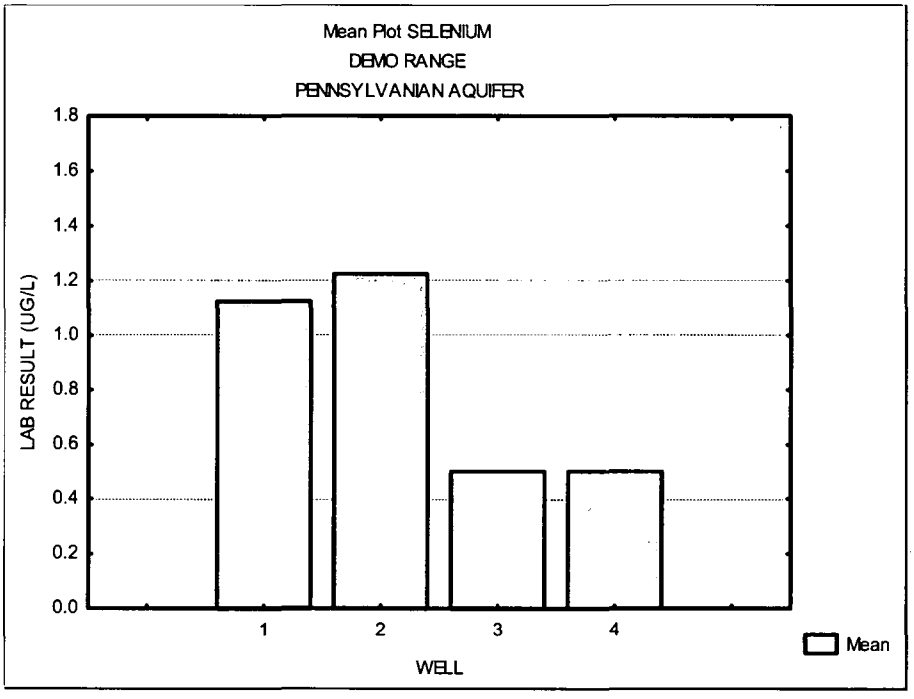


SELENIUM (UG/L)
DEMO RANGE
PENNSYLVANIAN AQUIFER

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C03P2	1.125000	4	0.732006	0.500000	1.900000
2	C04P2	1.225000	4	0.838153	0.500000	2.000000
3	C06P2	0.500000	4	0.000000	0.500000	0.500000
4*	C08P2*	0.500000	3	0.000000	0.500000	0.500000
	All Grps	0.860000	15	0.623126	0.500000	2.000000

Table 7.129.

* Denotes Upgradient Well

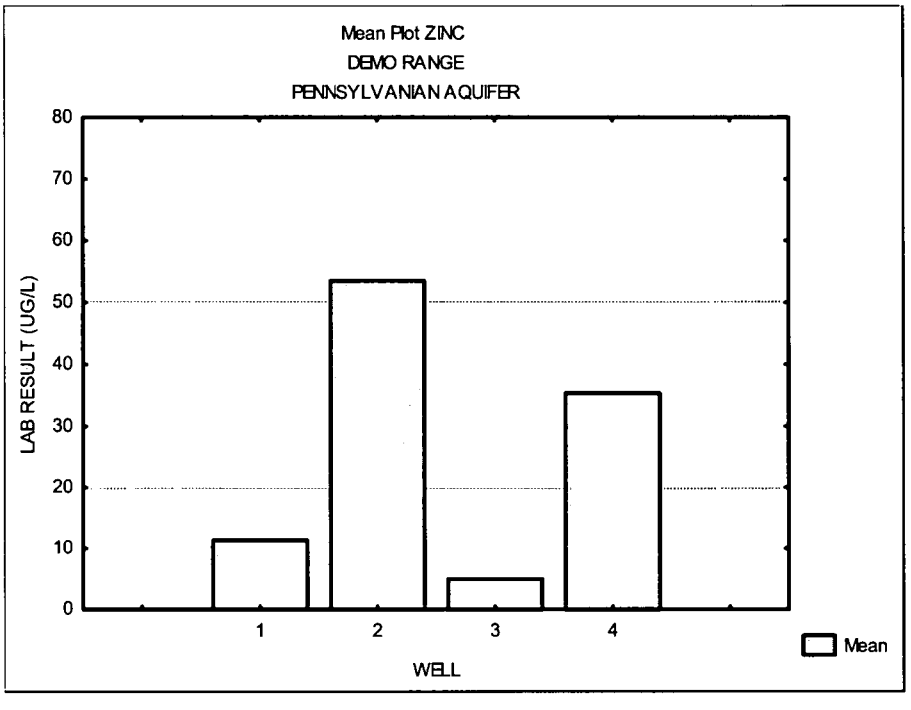


ZINC (UG/L)
DEMO RANGE
PENNSYLVANIAN AQUIFER

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C03P2	11.33750	4	12.67500	5.00000	30.3500
2	C04P2	53.50000	4	97.00000	5.00000	199.0000
3	C06P2	5.00000	4	0.00000	5.00000	5.0000
4*	C08P2*	35.36667	3	8.01519	30.20000	44.6000
	All Grps	25.69667	15	49.81984	5.00000	199.0000

Table 7.130.

* Denotes Upgradient Well

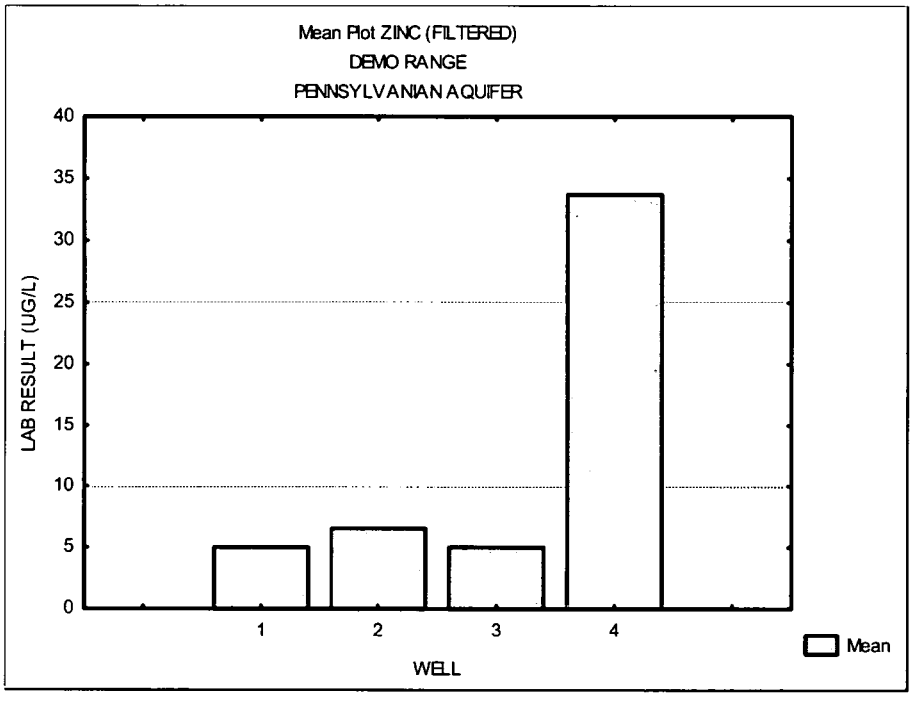


ZINC (FILTERED) (UG/L)
DEMO RANGE
PENNSYLVANIAN AQUIFER

WELL NO	WELL	MEANS	N	STD.DEV.	MINIMUM	MAXIMUM
1	C03P2	5.00000	4	0.00000	5.00000	5.00000
2	C04P2	6.52500	4	3.05000	5.00000	11.10000
3	C06P2	5.00000	4	0.00000	5.00000	5.00000
4*	C08P2*	33.70000	3	3.19531	31.20000	37.30000
	All Grps	11.14667	15	11.83813	5.00000	37.30000

Table 7.131.

* Denotes Upgradient Well



DOWNGRADIENT VS. UPGRADIENT WELLS

The following tables show which downgradient wells are significantly different from the upgradient wells for each parameter. The well number and the mean amount detected are listed. If the upgradient well had no detections, it is listed, but indicated by ** that there were no detections. Downgradient wells that had no detections are not listed. Tables include the last four quarters of data. Table 7.132 shows the Ammunition Burning Grounds, Table 7.133 shows the Old Rifle Range, Beech Creek Aquifer, Table 7.134 shows the Old Rifle Range, Big Clifty Aquifer, Table 7.135 shows the Demo Range, Big Clifty/Beech Creek Aquifer, and Table 7.136 shows the Demo Range, Pennsylvanian Aquifer. Well C17 is the upgradient well for the Ammunition Burning Grounds, well C08 is the upgradient well for the Old Rifle Range, Beech Creek Aquifer, well C14P2 is the upgradient well for the Old Rifle Range, Big Clifty Aquifer, well C08 is the upgradient well for the Demo Range, Big Clifty/Beech Creek Aquifer, and well C08P2 is the upgradient well for the Demo Range, Pennsylvanian Aquifer. The main interest is the wells that are significantly higher than the upgradient wells, but for added information the wells that are significantly lower, or not significantly different, are included. These differences are at the .05 level of significance based on all of the tests that were run.

Ammunition Burning Grounds.

	SIGNIFICANTLY HIGHER		NO SIGNIFICANT DIFFERENCE		SIGNIFICANTLY LOWER	
PARAMETER	WELL	AMOUNT	WELL	AMOUNT	WELL	AMOUNT
EXPLOSIVES						
1,3,5-Trinitrobenzene (UG/L)	C20	6.68	C17*	.50**		
2-Amino-4,6-Dinitrotoluene (UG/L)	C20	11.08	C17*	.45**		
	C08P2	2.15	SPA	1.12		
4-Amino-2,6-Dinitrotoluene (UG/L)	C20	13.50	C17*	.80**		
	C08P2	3.02				
	SPA	2.80				
HMX (UG/L)	C08P2	31.50	C17*	1.00**		
	C20	27.75				
	C02P2	17.68				
	SPA	16.30				
	C07	13.75				
	C09P2	8.49				
RDX (UG/L)	C09P2	252.5	C17*	.305**		
	C20	207.5	C02P2	5.62		
	C08P2	81.5	SPC	2.36		
	SPA	44.0	C26	2.10		
	C07	39..8				
METALS						
Arsenic (UG/L)	C09P2	2.64	C17*	2.17		
Arsenic (Filtered) (UG/L)			C17*	1.63		
Barium (UG/L)	SPA	90.1	C17*	11.3		
	C02P2	75.4	C04	23.6		
	C08P2	59.0	C09P2	19.4		
	SPC	53.3	C25	16.9		
	C30	48.7				
	C26	40.9				
	C03	37.9				
	C20	32.3				
	C27	28.1				
	C15	28.0				
	C07	27.5				
Barium (Filtered) (UG/L)	SPA	93.2	C17*	10.3		
	C02P2	75.3	C04	18.6		
	C08P2	58.5	C25	16.4		
	SPC	54.2	C09P2	13.1		
	C26	40.5				
	C30	38.0				
	C03	38.0				
	C20	32.1				
	C07	31.8				
	C27	29.2				
	C15	29.0				

Table 7.132.

Ammunition Burning Grounds. (Continued)

	SIGNIFICANTLY HIGHER		NO SIGNIFICANT DIFFERENCE		SIGNIFICANTLY LOWER	
PARAMETER	WELL	AMOUNT	WELL	AMOUNT	WELL	AMOUNT
Calcium (Filtered) (UG/L)			C17*	211167	C04	151000
					C08P2	133500
					C26	107025
					C20	104900
					C25	103250
					C07	102950
					C15	100062
					C09P2	75412
					C02P2	68950
					C27	55700
					SPA	42800
					SPC	41912
					C30	32575
					C03	1370
Chromium (Filtered) (UG/L)			C17*	2.50**		
			C26	5.00		
			C07	4.70		
			C04	4.48		
			C08P2	4.28		
			C09P2	3.90		
			C20	3.32		
			C30	3.20		
Copper (UG/L)	C03	3.88	C17*	1.83		
			C08P2	1.78		
			C30	1.48		
			C25	1.45		
			C04	1.40		
			C02P2	1.32		
Lead (UG/L)	C09P2	1.712	C17*	.500**		
Lead (Filtered) (UG/L)	C27	1.200	C17*	.733		
			SPA	.725		
Magnesium (Filtered) (UG/L)			C17*	192833	C25	59125
			C04	195500	C26	56125
					C08P2	49675
					C07	48675
					C20	37250
					C15	33050
					C30	25775
					C02P2	14097
					C09P2	13562
					SPA	11250
					SPC	8676
					C27	3200

Table 7.132.

Ammunition Burning Grounds. (Continued)

	SIGNIFICANTLY HIGHER		NO SIGNIFICANT DIFFERENCE		SIGNIFICANTLY LOWER	
PARAMETER	WELL	AMOUNT	WELL	AMOUNT	WELL	AMOUNT
Potassium (Filtered) (UG/L)	C08P2	11002	C17*	3278	C15	1566
			C04	3250	C09P2	1358
			C25	3140	C03	1160
			C30	2988	SPC	1140
			C20	2525	C27	1137
			C07	2515		
			C26	2510		
			C02P2	2415		
			SPA	2215		
Selenium (UG/L)			C17*	1.333		
			C07	2.225		
			C04	1.975		
			C08P2	1.900		
			C09P2	1.800		
			C15	1.725		
			C02P2	1.150		
			C26	1.125		
			C20	.975		
			SPA	.675		
Selenium (Filtered) (UG/L)	C04	1.800	C17*	.500**		
	C07	1.725	C08P2	.825		
			C09P2	.812		
			C15	.712		
			C26	.675		
Sodium (Filtered) (UG/L)	C03	253250	C17*	108000	C25	69325
			C30	93700	C04	57675
					C02P2	30575
					C07	26125
					C08P2	16475
					C26	15875
					C20	12775
					C15	10549
					SPA	7312
					C27	5410
					C09P2	5158
					SPC	4856
Vanadium (UG/L)	C09P2	2.938	C17*	1.00**		
Zinc (UG/L)	C15	18.64	C17*	5.00**		
			C08P2	10.38		
			C26	10.28		
			C30	10.10		
			C04	9.32		

Table 7.132.

Ammunition Burning Grounds. (Continued)

	SIGNIFICANTLY HIGHER		NO SIGNIFICANT DIFFERENCE		SIGNIFICANTLY LOWER	
PARAMETER	WELL	AMOUNT	WELL	AMOUNT	WELL	AMOUNT
Zinc (Filtered) (UG/L)	SPC	34.25	C17*	5.00**		
	C30	31.50	C02P2	17.40		
			C27	16.63		
			C26	12.65		
			C08P2	7.88		
			C04	6.65		
			C20	6.30		
VOLATILE ORGANIC COMPOUNDS						
1,2-Dichloroethane (UG/L)	C09P2	8.19	C17*	.25**		
			C20	.61		
Carbon Tetrachloride (UG/L)	C09P2	.70	C17*	.15**		
Chloroform (UG/L)	C09P2	.700	C17*	.150**		
	C20	.675				
cis-1,2-Dichloroethene (UG/L)	C20	89.00	C17*	.25**		
	C08P2	15.25				
Tetrachloroethene (UG/L)	C20	1.00	C17*	.25**		
Trans-1,2-Dichloroethene (UG/L)	C20	6.20	C17*	.25**		
Trichloroethene (UG/L)	C20	1975	C17*	.25**		
	C09P2	156	C26	11.10		
	C08P2	52	C02P2	8.02		
			C07	5.48		
			C27	3.03		
			C04	.48		
			C15	.32		
MISCELLANEOUS PARAMETERS						
Chloride (MG/L)	C02P2	60.50	C17*	3.33		
	C08P2	10.75	C07	8.25		
			C04	7.25		
			SPA	6.50		
			C15	6.00		
			C20	6.00		
			C09P2	5.00		
			SPC	4.00		
			C26	3.75		
			C27	3.00		
			C25	2.00		
			C30	1.75		

Table 7.132.

Ammunition Burning Grounds. (Continued)

	SIGNIFICANTLY HIGHER		NO SIGNIFICANT DIFFERENCE		SIGNIFICANTLY LOWER	
PARAMETER	WELL	AMOUNT	WELL	AMOUNT	WELL	AMOUNT
Total Phosphorus (MG/L)	C30	.112	C17*	.050**		
			C09P2	.080		
Sulfate (MG/L)			C17*	911.6	C04	795.0
					C25	242.5
					C08P2	135.0
					C20	125.0
					C30	112.5
					C26	101.8
					C07	90.8
					C15	85.9
					C03	85.0
					C02P2	53.0
					C09P2	47.4
					SPA	43.2
					SPC	33.0
					C27	9.0
Total Organic Halogens (MG/L)	C20	.980	C17*	.025**		
	C09P2	.120	C08P2	.042		

Table 7.132.

*C17 is the upgradient well
**No detections

Old Rifle Range
Beech Creek Aquifer

	SIGNIFICANTLY HIGHER		NO SIGNIFICANT DIFFERENCE		SIGNIFICANTLY LOWER	
PARAMETER	WELL	AMOUNT	WELL	AMOUNT	WELL	AMOUNT
EXPLOSIVES						
2,4,6-Trinitrotoluene (UG/L)	C15	5.06	C08*	.80**		
2-Amino-4,6-Dinitrotoluene (UG/L)	C15	2.39	C08*	.45**		
4-Amino-2,6-Dinitrotoluene (UG/L)	C15	2.76	C08*	.80**		
METALS						
Antimony (Filtered) (UG/L)			C08*	1.20		
			C13	1.30		
			C18	1.30		
			C12	1.15		
			C14	1.10		
			C19	.72		
			C11	.70		
			C15	.64		
Arsenic (UG/L)	C13	41.88	C08*	.50**		
			C18	2.42		
			C19	1.41		
			C14	1.38		
			C11	1.22		
Arsenic (Filtered) (UG/L)	C13	36.38	C08*	.50**		
			C18	2.32		
			C19	1.26		
			C11	1.08		
Barium (UG/L)	C16	90.4	C08*	45.0	C15	28.4
	C18	89.6	C19	41.4	C14	24.0
	C13	63.2	C12	33.8		
	C11	58.7				
Barium (Filtered) (UG/L)	C16	94.2	C08*	36.0		
	C18	91.4	C11	43.1		
	C13	60.6	C19	42.3		
			C12	35.9		
			C15	29.6		
			C14	21.2		
Copper (UG/L)			C08*	1.85		
			C13	1.82		
			C11	1.38		
Lead (UG/L)	C11	3.48	C08*	.88		
			C14	1.88		

Table 7.133.

Old Rifle Range
Beech Creek Aquifer (Continued)

	SIGNIFICANTLY HIGHER		NO SIGNIFICANT DIFFERENCE		SIGNIFICANTLY LOWER	
PARAMETER	WELL	AMOUNT	WELL	AMOUNT	WELL	AMOUNT
Manganese (UG/L)	C13	504	C08*	12		
	C12	435	C11	19		
	C14	280				
	C19	250				
	C18	142				
Manganese (Filtered) (UG/L)	C13	400	C08*	7.5**		
	C12	318	C11	14		
	C19	255				
	C14	225				
	C18	139				
Selenium (UG/L)	C13	1.32	C08*	.50**		
			C14	.78		
Vanadium (UG/L)	C14	2.35	C08*	1.55		
Zinc (UG/L)	C14	90.62	C08*	17.62		
			C11	11.40		
			C13	7.75		
			C15	6.25		
Zinc (Filtered) (UG/L)			C08*	38.95	C19	10.32
					C13	8.12
MISCELLANEOUS PARAMETERS						
Ammonia (MG/L)	C16	.364	C08*	.088		
	C13	.350	C11	.195		
			C18	.175		
			C12	.145		
			C19	.050		
			C14	.030		
			C15	.018		
Total Organic Carbon (MG/L)	C13	1.20	C08*	.50**		
			C16	.78		

Table 7.133.

*C08 is the upgradient well
**No detections

Old Rifle Range
Big Clifty Aquifer

	SIGNIFICANTLY HIGHER		NO SIGNIFICANT DIFFERENCE		SIGNIFICANTLY LOWER	
PARAMETER	WELL	AMOUNT	WELL	AMOUNT	WELL	AMOUNT
METALS						
Antimony (Filtered) (UG/L)			C14P2*	1.20		
			C11P2	1.05		
			C19P2	1.00		
			C18P2	.98		
Arsenic (UG/L)	C13P2	32.8	C14P2*	.50**		
	C18P2	16.3	C11P2	1.5		
	C19P2	2.9				
Arsenic (Filtered) (UG/L)	C13P2	37.2	C14P2*	.50**		
	C18P2	17.7	C19P2	2.2		
			C11P2	0.7		
Barium (UG/L)	C18P2	132.5	C14P2*	37.2		
	C13P2	56.2	C19P2	36.0		
			C11P2	32.6		
Barium (Filtered) (UG/L)	C18P2	133.5	C14P2*	39.8		
	C13P2	58.9	C19P2	36.5		
			C11P2	33.3		
Manganese (UG/L)	C13P2	611	C14P2*	7.5**		
	C18P2	524				
	C19P2	131				
	C11P2	117				
Manganese (Filtered) (UG/L)	C13P2	478	C14P2*	13.6		
	C18P2	407				
	C19P2	127				
	C11P2	103				
Selenium (UG/L)	C18P2	1.40	C14P2*	.50**		
			C13P2	.88		
MISCELLANEOUS PARAMETERS						
Ammonia (MG/L)	C18P2	1.010	C14P2*	.015		
			C11P2	.475		
			C13P2	.332		
			C19P2	.080		
Total Organic Carbon (MG/L)	C18P2	1.88	C14P2*	.50**		
	C13P2	1.10				

Table 7.134.

*C14P2 is the upgradient well
**No detections

Demo Range
Big Clifty/Beech Creek Aquifer

	SIGNIFICANTLY HIGHER		NO SIGNIFICANT DIFFERENCE		SIGNIFICANTLY LOWER	
PARAMETER	WELL	AMOUNT	WELL	AMOUNT	WELL	AMOUNT
METALS						
Aluminum (UG/L)			C08*	7887		
Antimony (Filtered) (UG/L)			C08*	2.28		
			C06	1.90		
			C07	1.62		
			C05	1.52		
			C03	1.36		
			C04	1.31		
			C02	1.15		
Arsenic (UG/L)	C03	14.0	C08*	.75		
Arsenic (Filtered) (UG/L)	C03	18.7	C08*	.50**		
Barium (UG/L)	C07	234.0	C08*	72.1	C06	30.1
	C04	149.9	C02	100.7		
			C03	79.7		
			C05	66.6		
Barium (Filtered) (UG/L)	C07	238.8	C08*	32.9		
	C04	145.2	C06	28.1		
	C02	95.4				
	C03	75.8				
	C05	64.2				
Chromium (Filtered) (UG/L)			C08*	4.05		
			C02	4.25		
			C06	3.62		
			C05	3.48		
			C04	3.22		
			C03	3.18		
			C07	3.15		
Copper (UG/L)			C08*	2.62		
			C06	2.20		
			C05	2.02		
			C07	1.80		
Copper (Filtered) (UG/L)			C08*	2.02		
			C06	1.78		
			C05	1.62		
			C07	1.55		
Manganese (UG/L)	C03	507	C08*	23		
	C04	198	C06	16		
	C02	91				

Table 7.135.

Demo Range
Big Clifty/Beech Creek Aquifer (Continued)

	SIGNIFICANTLY HIGHER		NO SIGNIFICANT DIFFERENCE		SIGNIFICANTLY LOWER	
PARAMETER	WELL	AMOUNT	WELL	AMOUNT	WELL	AMOUNT
Manganese (Filtered) (UG/L)	C03	481	C08*	7.5**		
	C04	199	C06	14		
	C02	69				
Vanadium (Filtered) (UG/L)			C08*	1.62		
			C02	1.48		
			C06	1.28		
Zinc (Filtered) (UG/L)			C08*	5.0**		
			C07	22.9		
			C02	20.9		
			C05	11.0		
MISCELLANEOUS PARAMETERS						
Total Organic Carbon (MG/L)	C03	2.20	C08*	.78		
	C04	1.36	C07	.68		
			C02	.65		
			C06	.65		

Table 7.135.

*C08 is the upgradient well
**No detections

Demo Range
Pennsylvanian Aquifer

	SIGNIFICANTLY HIGHER		NO SIGNIFICANT DIFFERENCE		SIGNIFICANTLY LOWER	
PARAMETER	WELL	AMOUNT	WELL	AMOUNT	WELL	AMOUNT
METALS						
Aluminum (UG/L)	C03P2	6275	C08P2*	272		
Aluminum (Filtered) (UG/L)			C08P2*	278		
Antimony (Filtered) (UG/L)			C08P2*	1.37		
			C03P2	1.75		
			C04P2	1.65		
			C06P2	1.18		
Arsenic (UG/L)			C08P2*	1.17		
			C03P2	1.06		
Arsenic (Filtered) (UG/L)			C08P2*	1.40		
Barium (UG/L)	C03P2	113.2	C08P2*	11.1		
	C04P2	40.6	C06P2	12.4		
Barium (Filtered) (UG/L)	C03P2	82.0	C08P2*	10.9		
	C04P2	34.9	C06P2	11.9		
Cobalt (UG/L)			C08P2*	6.23	C03P2	2.16
Cobalt (Filtered) (UG/L)			C08P2*	6.27		
Copper (UG/L)			C08P2*	1.00**		
			C03P2	15.78		
			C04P2	2.02		
Nickel (UG/L)			C08P2*	22.9	C03P2	7.67
Nickel (Filtered) (UG/L)			C08P2*	22.9		
Manganese (UG/L)			C08P2*	561.7	C03P2	35.2
					C04P2	26.1
Manganese (Filtered) (UG/L)			C08P2*	562.3	C04P2	18.2
Nickel (UG/L)			C08P2*	24.7	C03P2	8.3
Nickel (Filtered) (UG/L)			C08P2*	24.2		
Selenium (UG/L)			C08P2*	.50**		
			C04P2	1.22		
			C03P2	1.12		
Zinc (UG/L)			C08P2*	35.4		
			C04P2	53.5		
			C03P2	11.3		

Table 7.136.

Demo Range
Pennsylvanian Aquifer (Continued)

	SIGNIFICANTLY HIGHER		NO SIGNIFICANT DIFFERENCE		SIGNIFICANTLY LOWER	
PARAMETER	WELL	AMOUNT	WELL	AMOUNT	WELL	AMOUNT
Zinc (Filtered) (UG/L)			C08P2*	33.7		
			C04P2	6.5		

Table 7.136.

*C08P2 is the upgradient well
**No detections

NON-DETECTS AND PERCENT NON-DETECTS

Tables 7.137 thru 7.141 show the number of non-detects, total samples, and percent non-detects for upgradient and downgradient wells for all parameters that had any detections. Tables include the last four quarters of data.

Ammunition Burning Grounds

	UPGRADIENT			DOWNGRADIENT		
PARAMETER	NON-DETECTS	TOTAL SAMPLES	PERCENT	NON-DETECTS	TOTAL SAMPLES	PERCENT
EXPLOSIVES						
1,3,5-Trinitrobenzene (UG/L)	3	3	100.0%	51	55	92.7%
2-Amino-4,6-Dinitrotoluene (UG/L)	3	3	100.0%	45	55	81.8%
4-Amino-2,6-Dinitrotoluene (UG/L)	3	3	100.0%	45	55	81.8%
HMX (UG/L)	3	3	100.0%	31	55	56.4%
RDX (UG/L)	3	3	100.0%	23	55	41.8%
METALS						
Arsenic (UG/L)	0	3	0.0%	51	55	92.7%
Arsenic (Filtered) (UG/L)	0	3	0.0%	55	55	100.0%
Barium (UG/L)	0	3	0.0%	0	55	0.0%
Barium (Filtered) (UG/L)	0	3	0.0%	0	55	0.0%
Calcium (Filtered) (UG/L)	0	3	0.0%	0	55	0.0%
Chromium (Filtered) (UG/L)	3	3	100.0%	48	55	87.3%
Copper (UG/L)	2	3	66.7%	47	55	85.5%
Lead (UG/L)	3	3	100.0%	51	55	92.7%
Lead (Filtered) (UG/L)	2	3	66.7%	53	55	96.4%
Magnesium (Filtered) (UG/L)	0	3	0.0%	4	55	7.3%
Potassium (Filtered) (UG/L)	0	3	0.0%	1	55	1.8%
Selenium (UG/L)	0	3	0.0%	22	55	40.0%
Selenium (Filtered) (UG/L)	3	3	100.0%	43	55	78.2%
Sodium (Filtered) (UG/L)	0	3	0.0%	0	55	0.0%
Vanadium (UG/L)	3	3	100.0%	51	55	92.7%
Zinc (UG/L)	3	3	100.0%	49	55	89.1%
Zinc (Filtered) (UG/L)	3	3	100.0%	47	55	85.5%
VOLATILE ORGANIC COMPOUNDS						
1,2-Dichloroethane (UG/L)	3	3	100.0%	47	55	85.5%
Carbon Tetrachloride (UG/L)	3	3	100.0%	50	55	90.9%
Chloroform (UG/L)	3	3	100.0%	46	55	83.6%
cis-1,2-Dichloroethene (UG/L)	3	3	100.0%	47	55	85.5%
Tetrachloroethene (UG/L)	3	3	100.0%	50	55	90.9%
trans-1,2-Dichloroethene (UG/L)	3	3	100.0%	51	55	92.7%
Trichloroethene (UG/L)	3	3	100.0%	25	55	45.5%
MISCELLANEOUS PARAMETERS						
Chloride (MG/L)	0	3	0.0%	0	55	0.0%
Total Phosphorus (MG/L)	3	3	100.0%	52	55	94.5%
Sulfate (MG/L)	0	3	0.0%	0	55	0.0%
Total Organic Halogens (MG/L)	3	3	100.0%	45	55	81.8%

Table 7.137.

Old Rifle Range
Beech Creek Aquifer

PARAMETER	UPGRADIENT			DOWNGRADIENT		
	NON-DETECTS	TOTAL SAMPLES	PERCENT	NON-DETECTS	TOTAL SAMPLES	PERCENT
EXPLOSIVES						
2,4,6-Trinitrotoluene (UG/L)	4	4	100.0%	28	32	87.5%
2-Amino-4,6-Dinitrotoluene (UG/L)	4	4	100.0%	28	32	87.5%
4-Amino-2,6-Dinitrotoluene (UG/L)	4	4	100.0%	28	32	87.5%
METALS						
Antimony (Filtered) (UG/L)	2	4	50.0%	19	32	59.4%
Arsenic (UG/L)	4	4	100.0%	13	32	40.6%
Arsenic (Filtered) (UG/L)	4	4	100.0%	16	32	50.0%
Barium (UG/L)	0	4	0.0%	0	32	0.0%
Barium (Filtered) (UG/L)	0	4	0.0%	0	32	0.0%
Copper (UG/L)	2	4	50.0%	30	32	93.8%
Lead (UG/L)	3	4	75.0%	24	32	75.0%
Manganese (UG/L)	3	4	75.0%	9	32	28.1%
Manganese (Filtered) (UG/L)	4	4	100.0%	13	32	40.6%
Selenium (UG/L)	4	4	100.0%	29	32	90.6%
Vanadium (UG/L)	3	4	75.0%	30	32	93.8%
Zinc (UG/L)	3	4	75.0%	25	32	78.1%
Zinc (Filtered) (UG/L)	2	4	50.0%	30	32	93.8%
MISCELLANEOUS PARAMETERS						
Ammonia (MG/L)	1	4	25.0%	6	32	18.8%
Total Organic Carbon (MG/L)	4	4	100.0%	27	32	84.4%

Table 7.138.

Old Rifle Range
Big Clifty Aquifer

PARAMETER	UPGRADIENT			DOWNGRADIENT		
	NON-DETECTS	TOTAL SAMPLES	PERCENT	NON-DETECTS	TOTAL SAMPLES	PERCENT
METALS						
Antimony (Filtered) (UG/L)	1	4	25.0%	10	16	62.5%
Arsenic (UG/L)	4	4	100.0%	1	16	6.3%
Arsenic (Filtered) (UG/L)	4	4	100.0%	3	16	18.8%
Barium (UG/L)	0	4	0.0%	0	16	0.0%
Barium (Filtered) (UG/L)	0	4	0.0%	0	16	0.0%
Manganese (UG/L)	4	4	100.0%	0	16	0.0%
Manganese (Filtered) (UG/L)	1	4	25.0%	2	16	12.5%
Selenium (UG/L)	4	4	100.0%	13	16	81.3%
MISCELLANEOUS PARAMETERS						
Ammonia (MG/L)	3	4	75.0%	1	16	6.3%
Total Organic Carbon (MG/L)	4	4	100.0%	9	16	56.3%

Table 7.139.

Demo Range
Big Clifty/Beech Creek Aquifer

PARAMETER	UPGRADIENT			DOWNGRADIENT		
	NON-DETECTS	TOTAL SAMPLES	PERCENT	NON-DETECTS	TOTAL SAMPLES	PERCENT
METALS						
Aluminum (UG/L)	0	4	0.0%	24	24	100.0%
Antimony (Filtered) (UG/L)	1	4	25.0%	11	24	45.8%
Arsenic (UG/L)	3	4	75.0%	20	24	83.3%
Arsenic (Filtered) (UG/L)	4	4	100.0%	20	24	83.3%
Barium (UG/L)	0	4	0.0%	0	24	0.0%
Barium (Filtered) (UG/L)	0	4	0.0%	0	24	0.0%
Chromium (Filtered) (UG/L)	3	4	75.0%	18	24	75.0%
Copper (UG/L)	1	4	25.0%	18	24	75.0%
Copper (Filtered) (UG/L)	3	4	75.0%	21	24	87.5%
Manganese (UG/L)	2	4	50.0%	10	24	41.7%
Manganese (Filtered) (UG/L)	4	4	100.0%	11	24	45.8%
Vanadium (Filtered) (UG/L)	3	4	75.0%	22	24	91.7%
Zinc (Filtered) (UG/L)	4	4	100.0%	21	24	87.5%
MISCELLANEOUS PARAMETERS						
Total Organic Carbon (MG/L)	3	9	33.3%	13	24	54.2%

Table 7.140.

Demo Range
Pennsylvanian Aquifer

PARAMETER	UPGRADIENT			DOWNGRADIENT		
	NON-DETECTS	TOTAL SAMPLES	PERCENT	NON-DETECTS	TOTAL SAMPLES	PERCENT
METALS						
Aluminum (UG/L)	0	3	0.0%	11	12	91.7%
Aluminum (Filtered) (UG/L)	0	3	0.0%	12	12	100.0%
Antimony (Filtered) (UG/L)	2	3	66.7%	4	12	33.3%
Arsenic (UG/L)	0	3	0.0%	11	12	91.7%
Arsenic (Filtered) (UG/L)	0	3	0.0%	12	12	100.0%
Barium (UG/L)	0	3	0.0%	0	12	0.0%
Barium (Filtered) (UG/L)	0	3	0.0%	0	12	0.0%
Cobalt (UG/L)	0	3	0.0%	11	12	91.7%
Cobalt (Filtered) (UG/L)	0	3	0.0%	12	12	100.0%
Copper (UG/L)	3	3	100.0%	9	12	75.0%
Nickel (UG/L)	0	3	0.0%	12	12	100.0%
Nickel (Filtered) (UG/L)	0	3	0.0%	12	12	100.0%
Manganese (UG/L)	0	3	0.0%	5	12	41.7%
Manganese (Filtered) (UG/L)	0	3	0.0%	9	12	75.0%
Selenium (UG/L)	3	3	100.0%	8	12	66.7%
Zinc (UG/L)	0	3	0.0%	10	12	83.3%
Zinc (Filtered) (UG/L)	0	3	0.0%	11	12	91.7%

Table 7.141.

MAXIMUM DETECTIONS AND RANGE OF DETECTIONS

Tables 7.142 thru 7.146 show the location of the maximum detection for each parameter. Also shown is the range of detection when detections occurred, and the detection limit. The Maximum Detection Location shows the well where the highest value was found. The Maximum Detection Average shows the well that had the largest average over time. Tables include the last four quarters of data.

Ammunition Burning Grounds

PARAMETER	MAX DETECTION LOCATION	MAX DETECTION AVERAGE	RANGE OF DETECTION MINIMUM	RANGE OF DETECTION MAXIMUM	NON-DETECTION LIMIT
EXPLOSIVES					
1,3,5-Trinitrobenzene (UG/L)	C20	C20	5.9	7.5	1
2-Amino-4,6-Dinitrotoluene (UG/L)	C20	C20	1.2	13	0.9
4-Amino-2,6-Dinitrotoluene (UG/L)	C20	C20	2.5	16	1.6
HMX (UG/L)	C20	C08P2	2.8	34	2
RDX (UG/L)	CO9P2	C09P2	1.1	330	0.61
METALS					
Arsenic (UG/L)	C17	C17	2.1	3.2	1
Arsenic (Filtered) (UG/L)	C17	C17	1.3	2	1
Barium (UG/L)	SPA	C02P2	10.4	130	1
Barium (Filtered) (UG/L)	SPA	C02P2	9.8	139	1
Calcium (Filtered) (UG/L)	C17	C17	1150	232500	1000
Chromium (Filtered) (UG/L)	C26	C26	5.3	12.5	5
Copper (UG/L)	C03	C03	2.3	7.9	2
Lead (UG/L)	C09P2	C09P2	1.3	2.25	1
Lead (Filtered) (UG/L)	SPA	SPA	1.2	2.6	1
Magnesium (Filtered) (UG/L)	C04	C04	2730	210000	1000
Potassium (Filtered) (UG/L)	C08P2	C08P2	1030	13700	1000
Selenium (UG/L)	C08P2 C07	C07	1.1	3.1	1
Selenium (Filtered) (UG/L)	C07	C04	1	3.3	1
Sodium (Filtered) (UG/L)	C03	C03	2915	293000	1000
Vanadium (UG/L)	C09P2	C09P2	2.3	3.75	2
Zinc (UG/L)	C15	C15	11.9	59.55	10
Zinc (Filtered) (UG/L)	SPC	SPC	10.2	122	10
VOLATILE ORGANIC COMPOUNDS					
1,2-Dichloroethane (UG/L)	C09P2	C09P2	0.6	9.6	0.5
Carbon Tetrachloride (UG/L)	C09P2	C09P2	0.6	0.8	0.3
Chloroform (UG/L)	C20	C09P2	0.6	0.8	0.3
cis-1,2-Dichloroethene (UG/L)	C20	C20	1.3	100	0.5
Tetrachloroethene (UG/L)	C20	C20	0.8	1.1	0.5
trans-1,2-Dichloroethene (UG/L)	C20	C20	5.8	7	0.5
Trichloroethene (UG/L)	C20	C20	0.5	2400	0.5
MISCELLANEOUS PARAMETERS					
Chloride (MG/L)	C02P2	C02P2	1	95	1
Total Phosphorus (MG/L)	C30	C30	0.1	0.3	0.1
Sulfate (MG/L)	C17	C17	9	1000	1
Total Organic Halogens (MG/L)	C20	C20	0.06	1.2	0.05

Table 7.142.

Old Rifle Range
Beech Creek Aquifer

PARAMETER	MAX DETECTION LOCATION	MAX DETECTION AVERAGE	RANGE OF DETECTION MINIMUM	RANGE OF DETECTION MAXIMUM	NON-DETECTION LIMIT
EXPLOSIVES					
2,4,6-Trinitrotoluene (UG/L)	C15	C15	4	6.2	1.6
2-Amino-4,6-Dinitrotoluene (UG/L)	C15	C15	1.95	2.9	0.9
4-Amino-2,6-Dinitrotoluene (UG/L)	C15	C15	2.05	3.4	1.6
METALS					
Antimony (Filtered) (UG/L)	C08,C18	C13,C18	1	2.6	1
Arsenic (UG/L)	C13	C13	1.1	45.2	1
Arsenic (Filtered) (UG/L)	C13	C13	1	55.3	1
Barium (UG/L)	C16	C16	21.9	95.7	1
Barium (Filtered) (UG/L)	C16	C16	19.5	98.75	1
Copper (UG/L)	C13	C08	2.5	4.3	2
Lead (UG/L)	C11	C11	1.2	6.3	1
Manganese (UG/L)	C13	C13	21.2	535	15
Manganese (Filtered) (UG/L)	C13	C13	19.2	534	15
Selenium (UG/L)	C13	C13	1.3	3	1
Vanadium (UG/L)	C14	C14	3.2	4.1	2
Zinc (UG/L)	C14	C14	10	249	10
Zinc (Filtered) (UG/L)	C08	C08	17.5	118	10
MISCELLANEOUS PARAMETERS					
Ammonia (MG/L)	C16	C16	0.02	0.595	0.02
Total Organic Carbon (MG/L)	C08	C08	1.2	1.6	1

Table 7.143.

Old Rifle Range
Big Clifty Aquifer

PARAMETER	MAX DETECTION LOCATION	MAX DETECTION AVERAGE	RANGE OF DETECTION MINIMUM	RANGE OF DETECTION MAXIMUM	NON-DETECTION LIMIT
METALS					
Antimony (Filtered) (UG/L)	C14P2	C14P2	1.2	1.8	1
Arsenic (UG/L)	C13P2	C13P2	0.7	34.4	1
Arsenic (Filtered) (UG/L)	C13P2	C13P2	1.3	42.3	1
Barium (UG/L)	C18P2	C18P2	35.2	145	1
Barium (Filtered) (UG/L)	C18P2	C18P2	31.3	144	1
Manganese (UG/L)	C18P2	C13P2	102	653	15
Manganese (Filtered) (UG/L)	C13P2	C13P2	15.1	681	15
Selenium (UG/L)	C18P2	C18P2	1.3	3.3	1
MISCELLANEOUS PARAMETERS					
Ammonia (MG/L)	C11P2	C18P2	0.02	1.8	0.02
Total Organic Carbon (MG/L)	C18P2	C18P2	1	2.6	1

Table 7.144.

Demo Range
Big Clifty/Beech Creek Aquifer

PARAMETER	MAX DETECTION LOCATION	MAX DETECTION AVERAGE	RANGE OF DETECTION MINIMUM	RANGE OF DETECTION MAXIMUM	NON-DETECTION LIMIT
METALS					
Aluminum (UG/L)	C08	C08	258	15700	200
Antimony (Filtered) (UG/L)	C08	C08	1.25	3.3	1
Arsenic (UG/L)	C03	C03	1.5	16.2	1
Arsenic (Filtered) (UG/L)	C03	C03	17.9	20.7	1
Barium (UG/L)	C07	C07	26.6	252	1
Barium (Filtered) (UG/L)	C07	C07	24.7	246	1
Chromium (Filtered) (UG/L)	C02	C02	5.1	9.5	5
Copper (UG/L)	C08	C08	2.2	3.7	2
Copper (Filtered) (UG/L)	C08	C08	3.2	5.1	2
Manganese (UG/L)	C03	C03	22.4	549	15
Manganese (Filtered) (UG/L)	C03	C03	20.6	514	15
Vanadium (Filtered) (UG/L)	C08	C08	2.1	3.5	2
Zinc (Filtered) (UG/L)	C07	C07	29	76.7	10
MISCELLANEOUS PARAMETERS					
Total Organic Carbon (MG/L)	C03	C03	1	2.4	1

Table 7.145.

Demo Range
Pennsylvanian Aquifer

PARAMETER	MAX DETECTION LOCATION	MAX DETECTION AVERAGE	RANGE OF DETECTION MINIMUM	RANGE OF DETECTION MAXIMUM	NON-DETECTION LIMIT
METALS					
Aluminum (UG/L)	C03P2	C03P2	237	24800	200
Aluminum (Filtered) (UG/L)	C08P2	C08P2	241	331	200
Antimony (Filtered) (UG/L)	C08P2	C04P2	1.4	3.1	1
Arsenic (UG/L)	C03P2	C08P2	1.1	2.75	1
Arsenic (Filtered) (UG/L)	C08P2	C08P2	1.2	1.6	1
Barium (UG/L)	C03P2	C03P2	10.5	180	1
Barium (Filtered) (UG/L)	C03P2	C03P2	10.7	87.8	1
Cobalt (UG/L)	C08P2	C08P2	4.15	6.4	3
Cobalt (Filtered) (UG/L)	C08P2	C08P2	6.2	6.4	3
Copper (UG/L)	C03P2	C03P2	4.95	56.2	2
Nickel (UG/L)	C08P2	C08P2	23.9	25.1	10
Nickel (Filtered) (UG/L)	C08P2	C08P2	23.8	24.5	10
Selenium (UG/L)	C04P2	C04P2	1.6	2	1
Manganese (UG/L)	C08P2	C08P2	22.8	584	15
Manganese (Filtered) (UG/L)	C08P2	C08P2	20.6	576	15
Zinc (UG/L)	C04P2	C04P2	30.2	199	10
Zinc (Filtered) (UG/L)	C08P2	C08P2	11.1	37.3	10

Table 7.146.

TREND ANALYSIS

The following graphs were made to analyze any trends over the different time periods. Graphs were made for all parameters and all locations where downgradient wells were significantly higher than the upgradient well. For the trend analysis, the moving average of four quarters of data for all data from 2000 to 2004 was used. This means that the average of the first four quarters of data was found for the first moving average. Then the first quarter of data was dropped and the next quarter of data was added for the next moving average. On the time scale of the graphs, the last quarter of the four quarters is shown. Since there are four quarters of data per year for five years of data, there are a total of 20 quarters of data values. The first moving average data point is the average of quarters 1, 2, 3 and 4. For the x-axis on the graphs, the first data point is 4, i.e. the last quarter of the four quarters. The next moving average is the average of quarters 2, 3, 4 and 5. The value on the x-axis of the graph for this average is 5, i.e. the last quarter of the four quarters. This process is continued until the last moving average is the average of quarters 17, 18, 19 and 20. The value on the x-axis for this moving average is 20. Therefore, on the x-axis for the graphs there will be 17 data points, i.e. 4 through 20. If a data point was missing, the average of the quarter before and the quarter after the missing value was used for the missing value. In some cases, these graphs show that this moving average is erratic, illustrated by Figure 7-109 on page 7-343. For the Appendix IX parameters that are sampled only once a year, a moving average could not be calculated since only four values are available. Therefore, no trend analyses could be produced for these parameters.

A regression line (red) is shown on the graph. This was tested for a significant increase or decrease. If there is a significant increase or decrease, then significant increase or significant decrease is printed under the well name in the title. Also, a bold line (black) is shown on the graphs to reflect the baseline value which is the mean value for the upgradient well. If there were no detections for the upgradient well, the mean value is one-half of the detection limit. A dash line is shown on the graphs to reflect the risk-based target level. If the risk-based target level is larger than the scale value on the graph, no line will appear. Also, some of the parameters do not have a risk-based target level. Figures 7.1 thru 7.62 are for the Ammunition Burning Grounds, Figures 7.63 thru 7.91 are for the Old Rifle Range Beech Creek Aquifer, Figures 7.92 thru 7.112 are for the Old Rifle Range Big Clifty Aquifer, Figures 7.113 thru 7.129 are for the Demo Range Big Clifty/Beech Creek Aquifer, and Figures 7.130 thru 7.134 are for the Demo Range Pennsylvanian Aquifer.

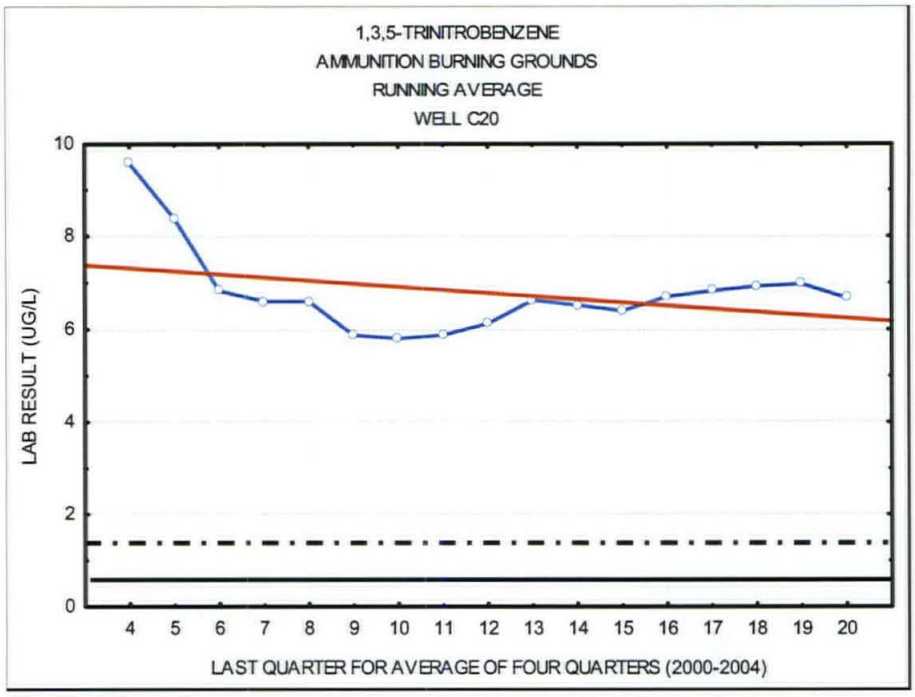


Figure 7.1.

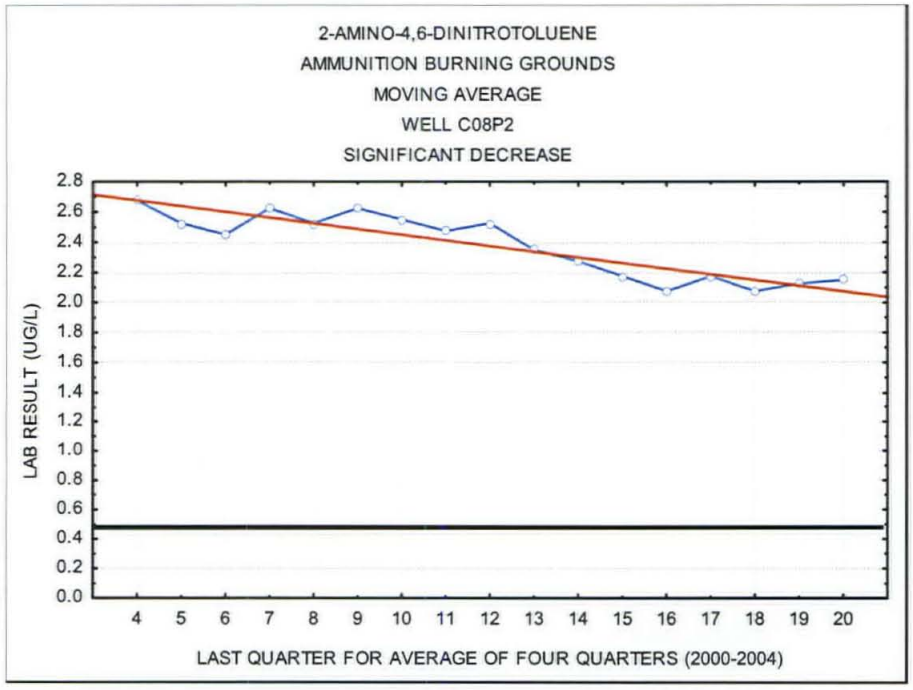


Figure 7.2.

= Regression Line
= Baseline Value
= Risk-Based Target Level

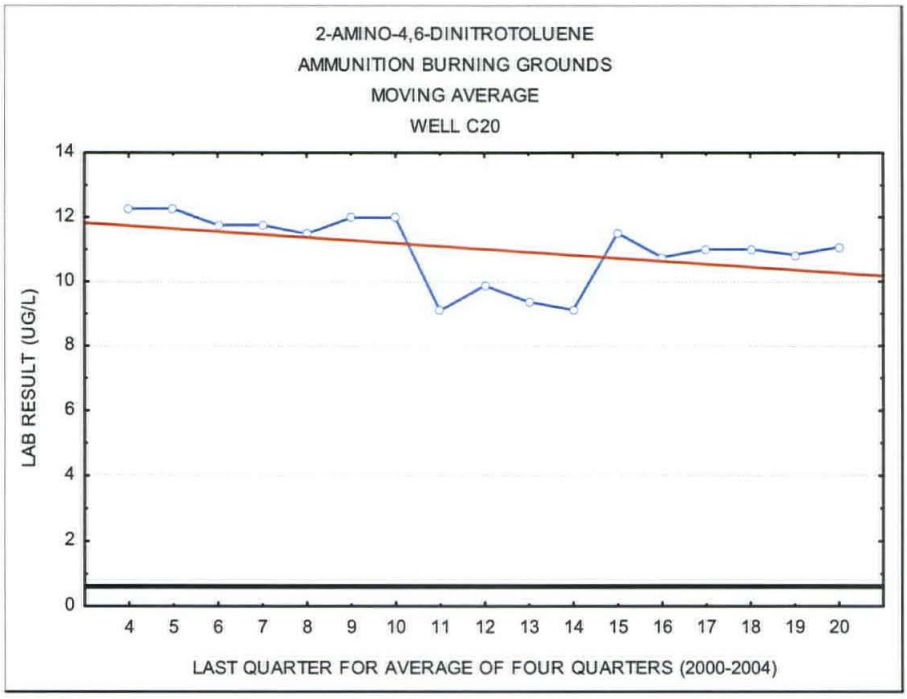


Figure 7.3.

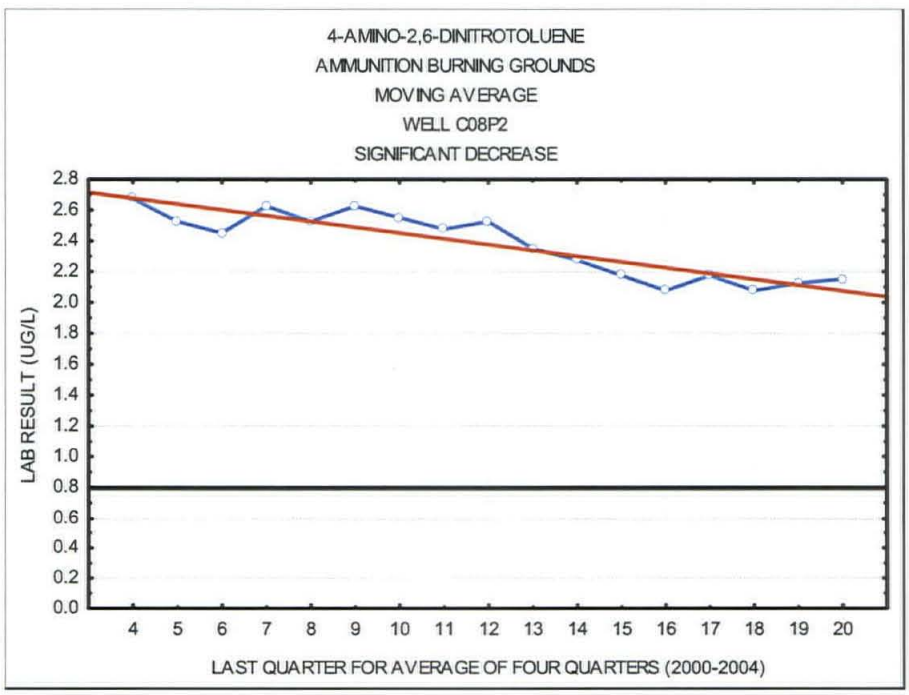
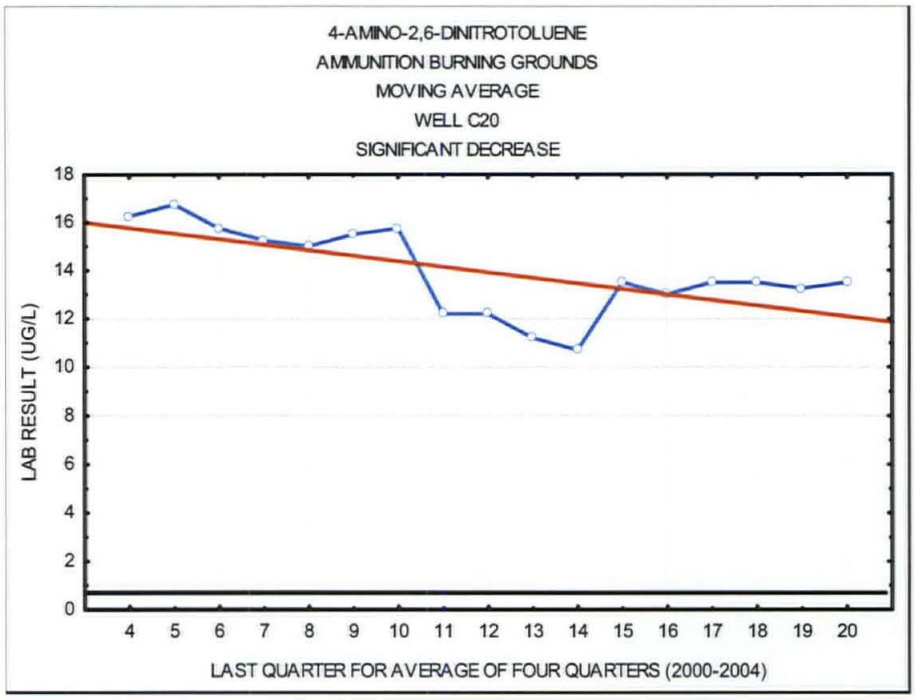


Figure 7.4.



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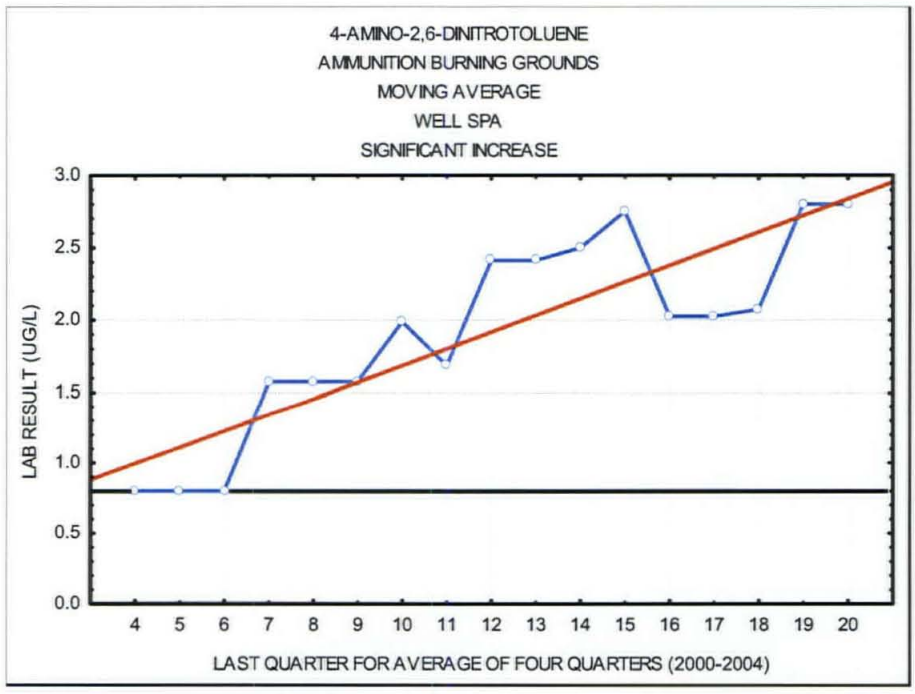


Figure 7.6.

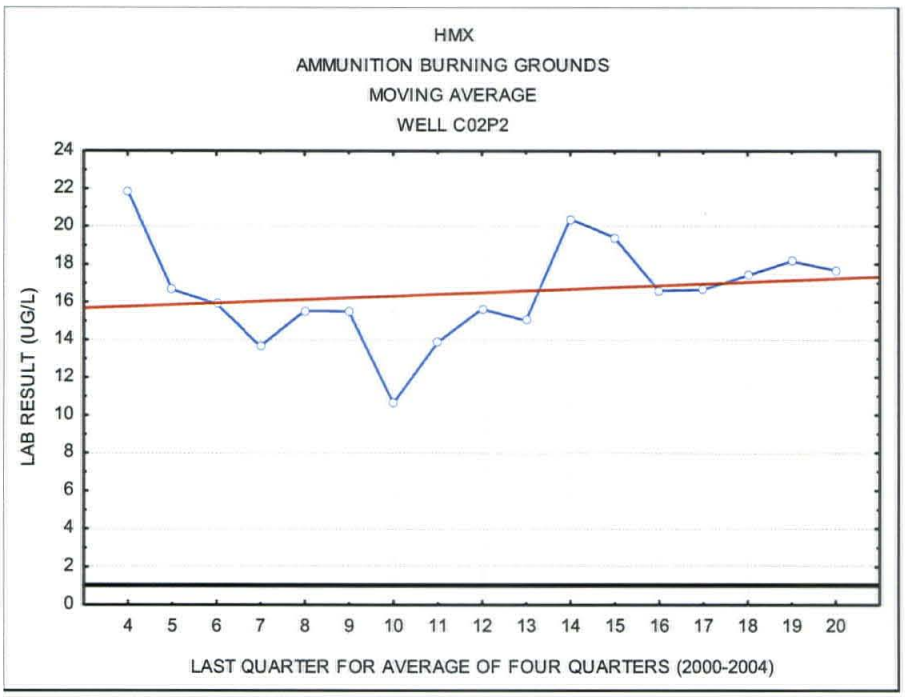


Figure 7.7.

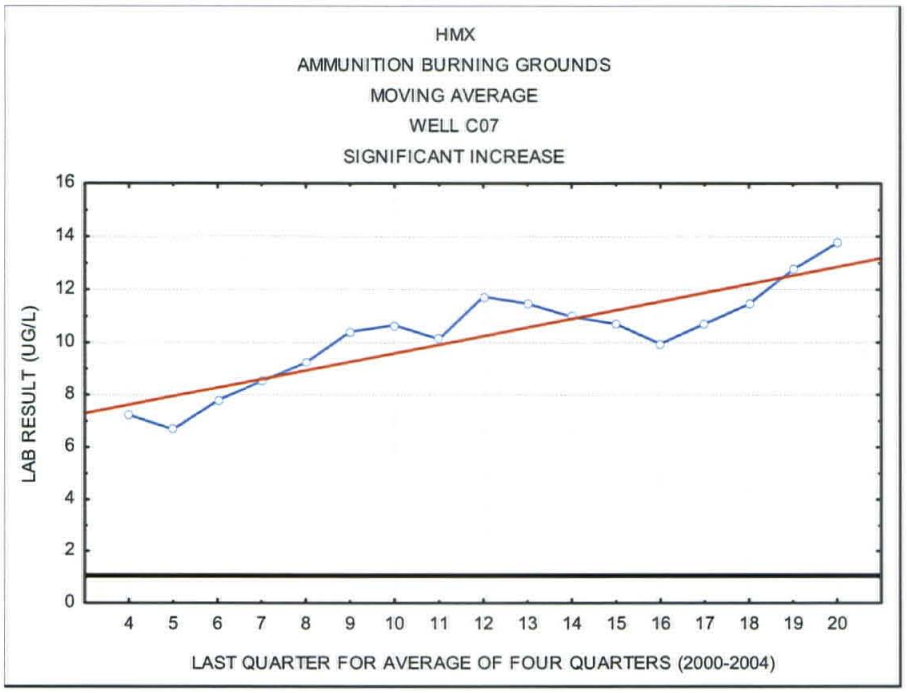
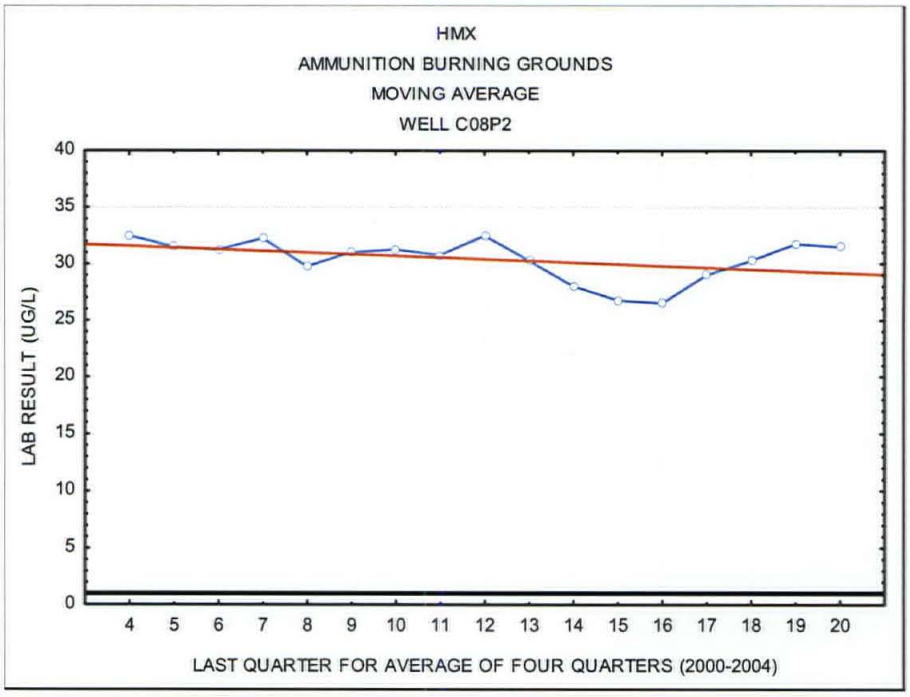


Figure 7.8.



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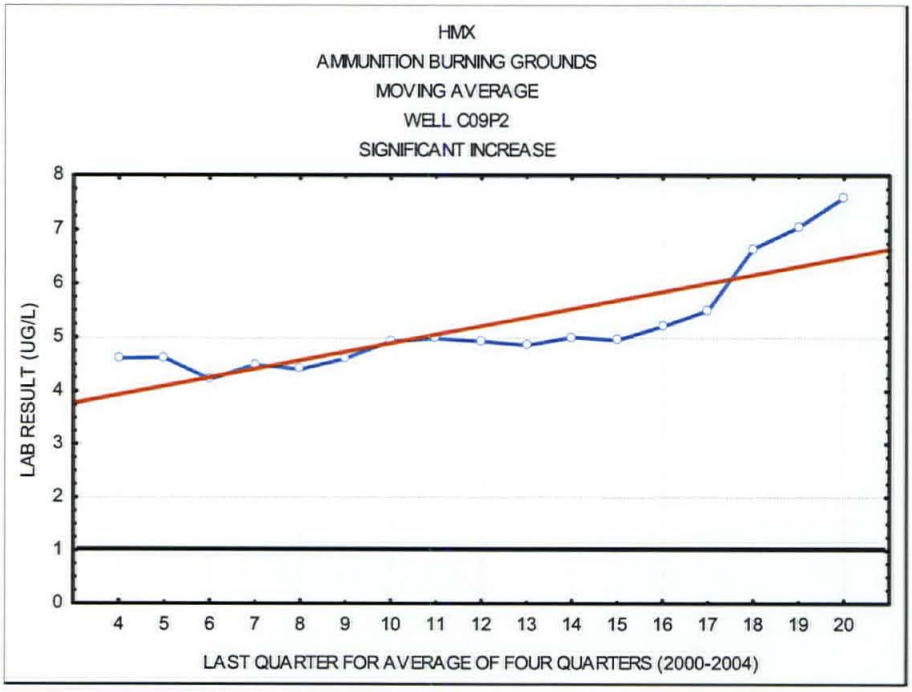

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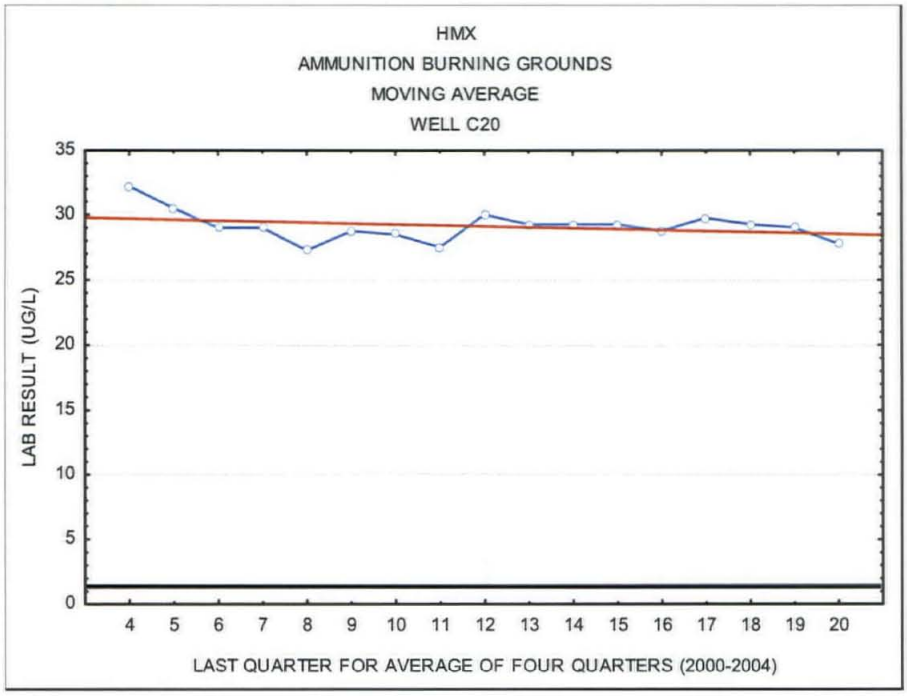


Figure 7.11.

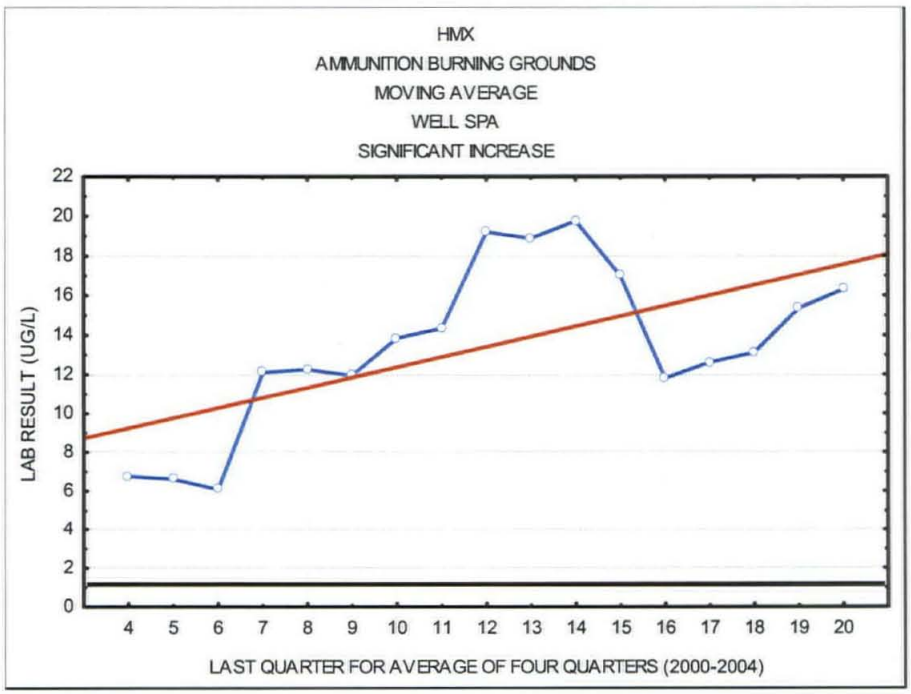
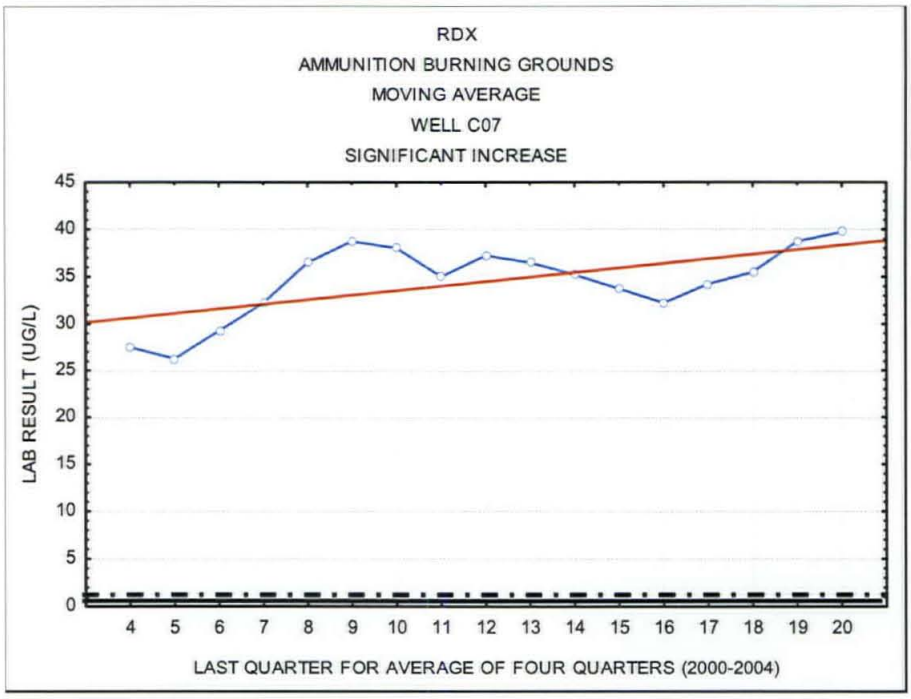


Figure 7.12.



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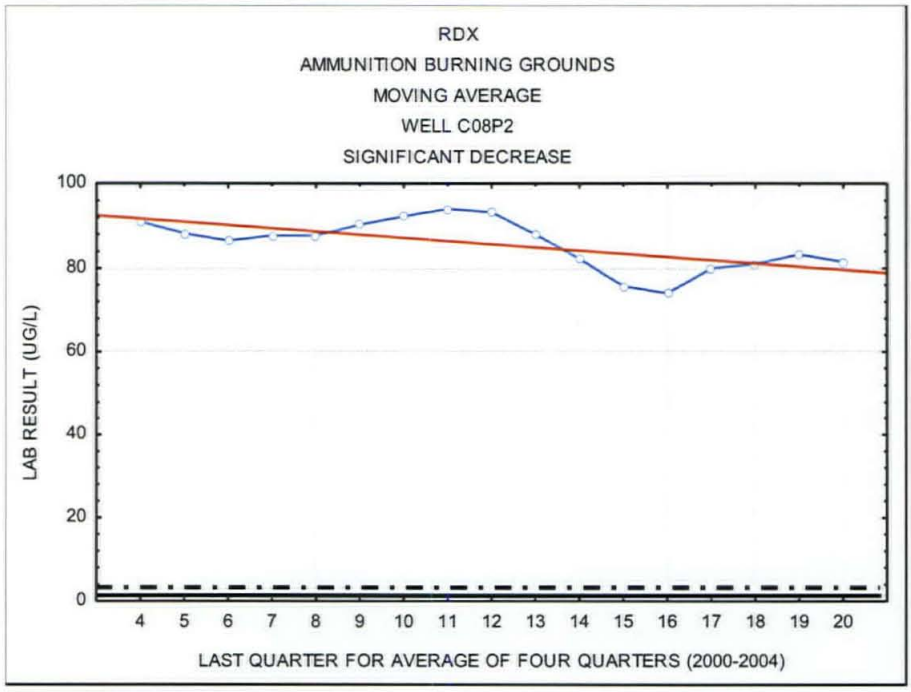

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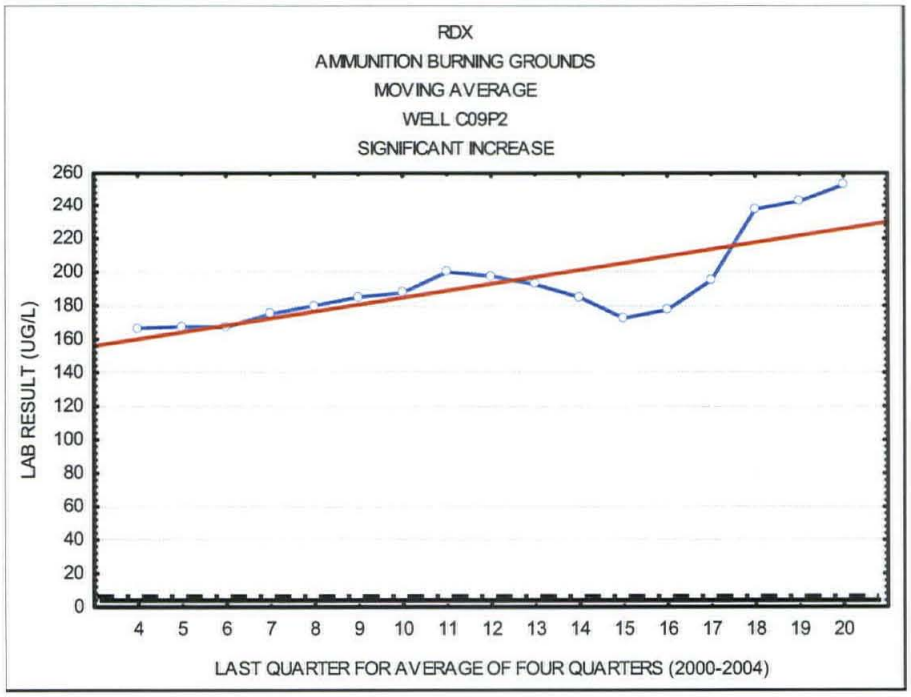

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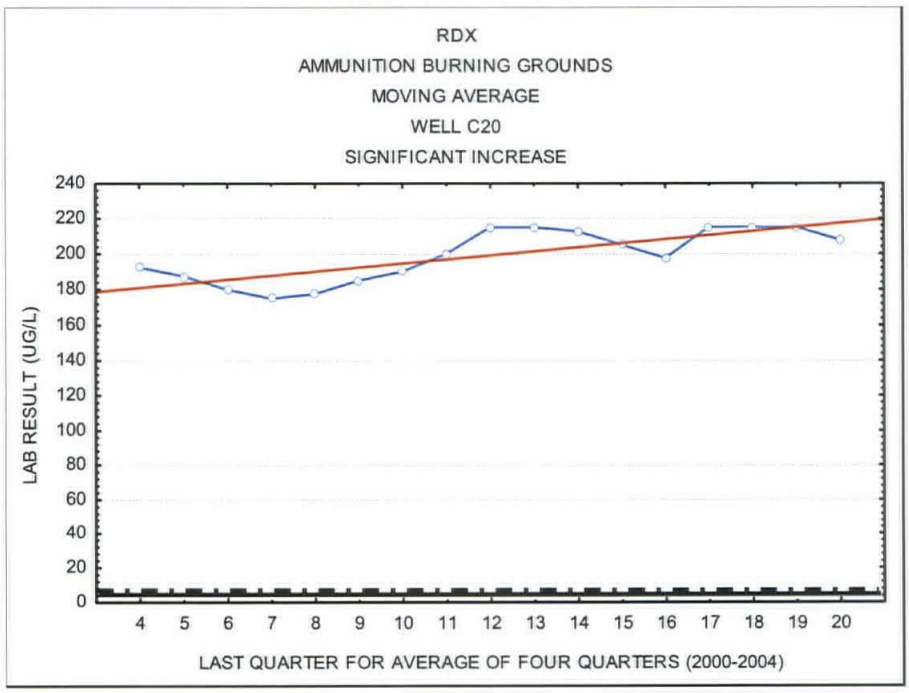

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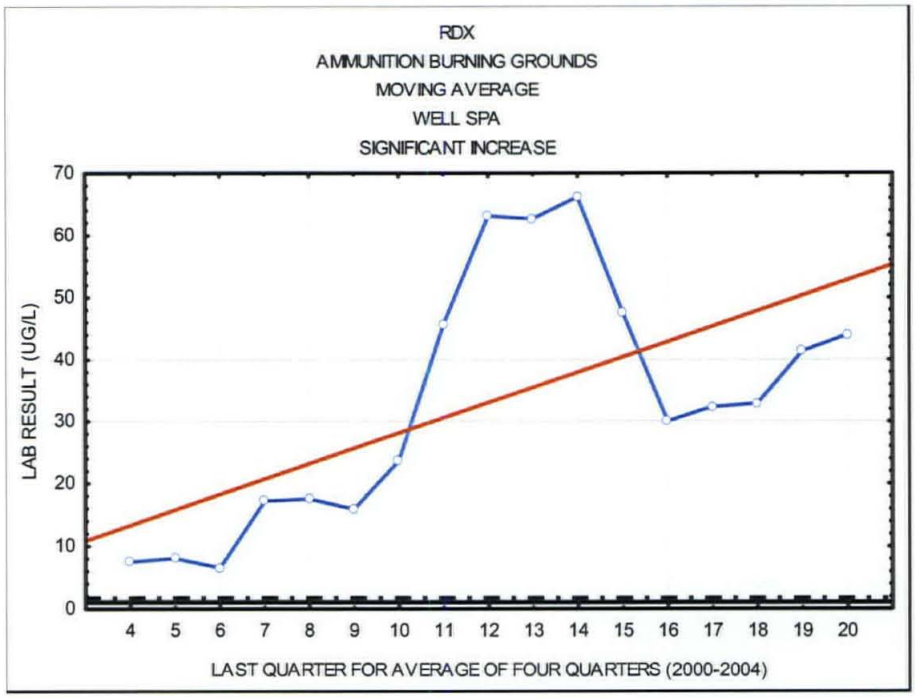

RDX
AMMUNITION BURNING GROUNDS
MOVING AVERAGE
WELL SPA
SIGNIFICANT INCREASE
LAB RESULT (UG/L)
0
10
20
30
40
50
60
70
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
LAST QUARTER FOR AVERAGE OF FOUR QUARTERS (2000-2004)

Figure 7.17.

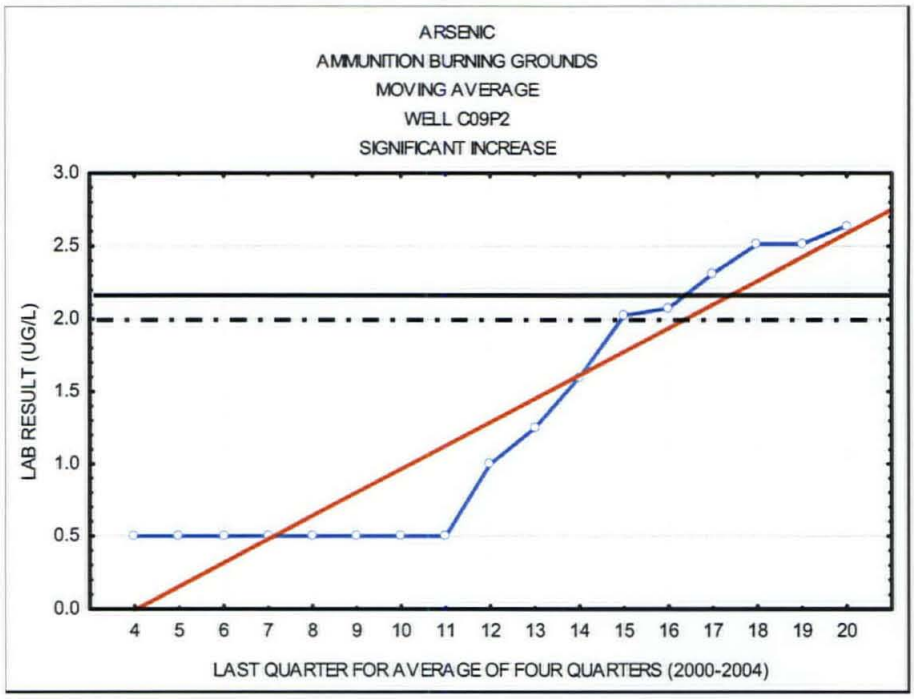


Figure 7.18.

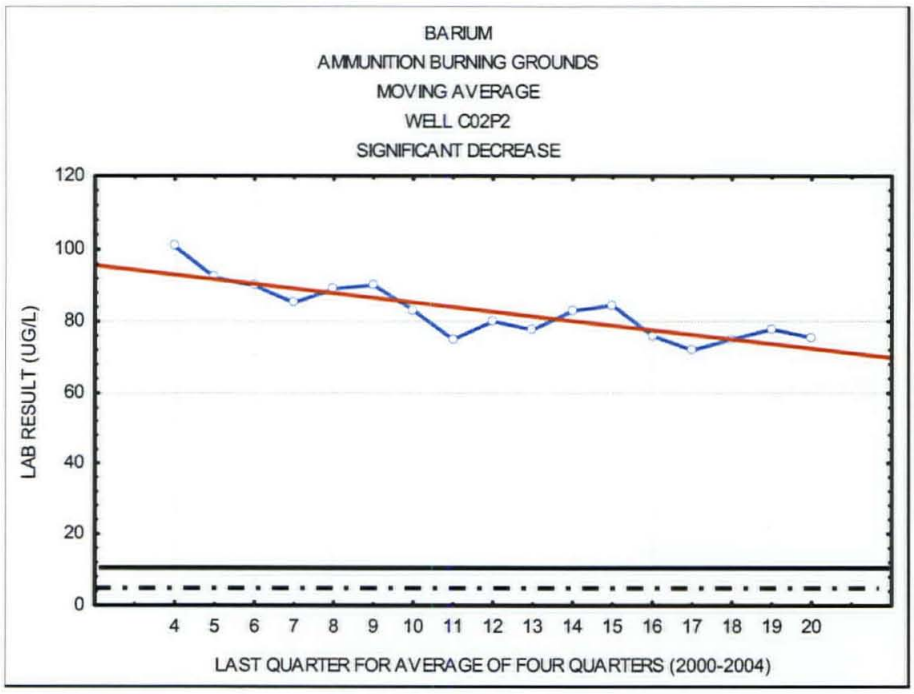
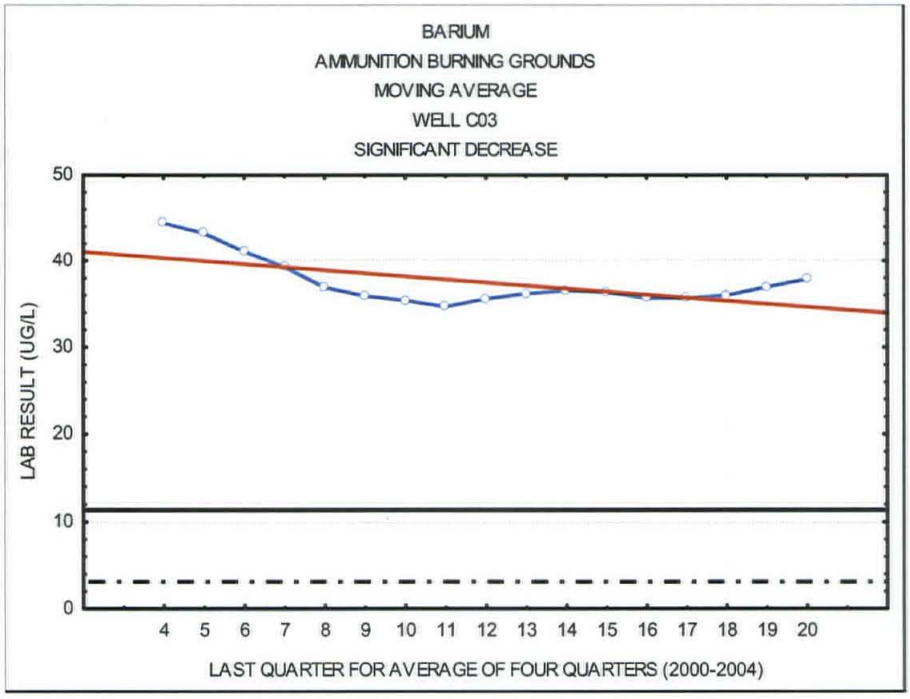


Figure 7.19.



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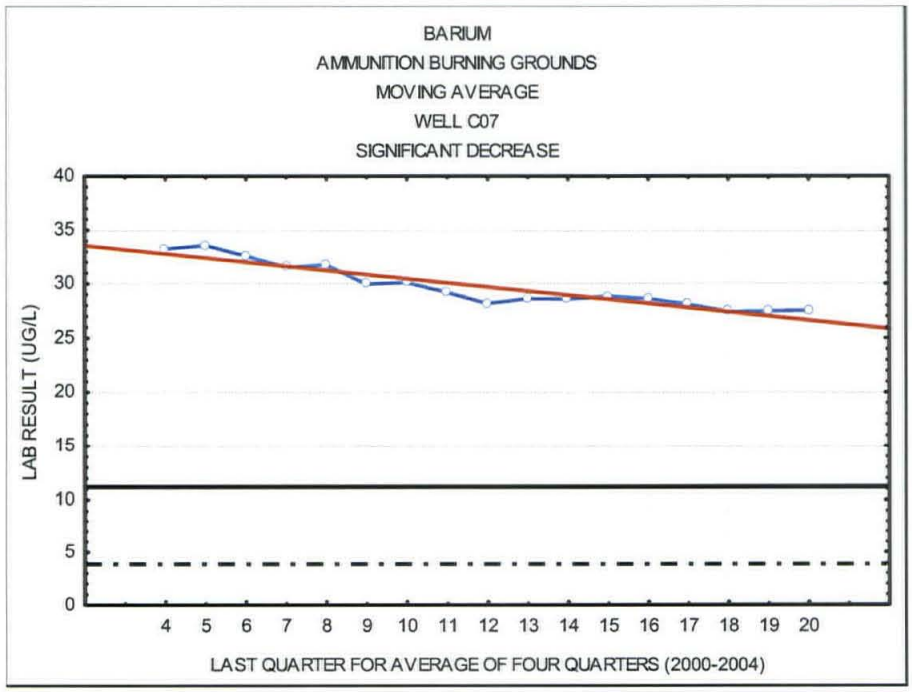

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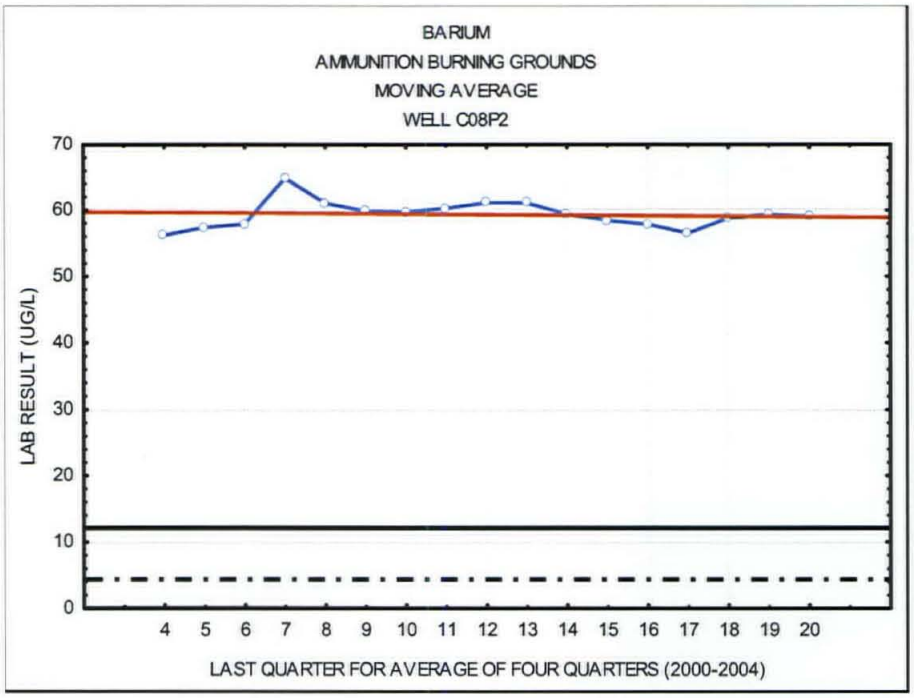

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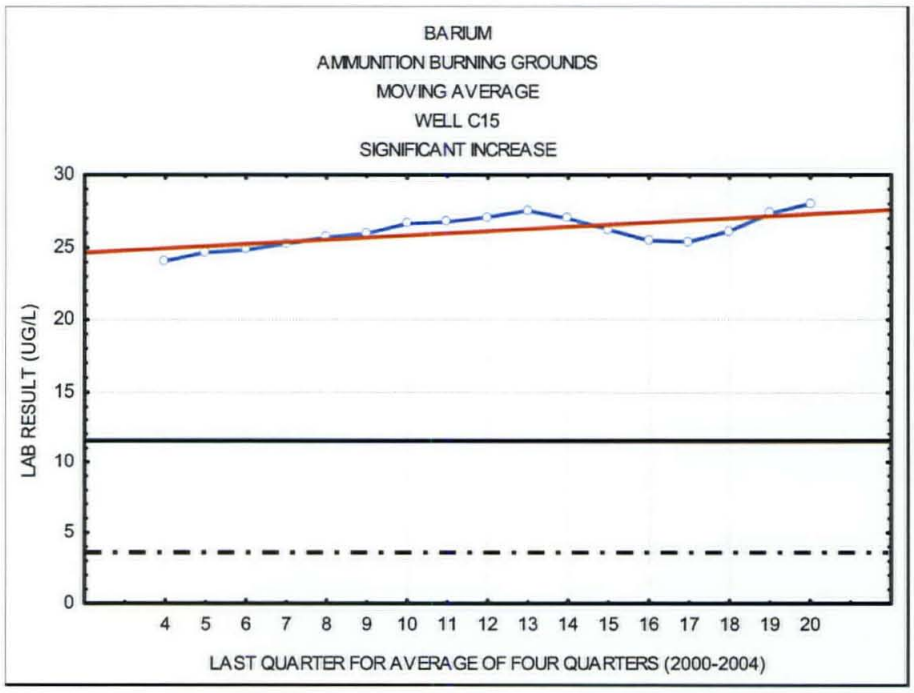

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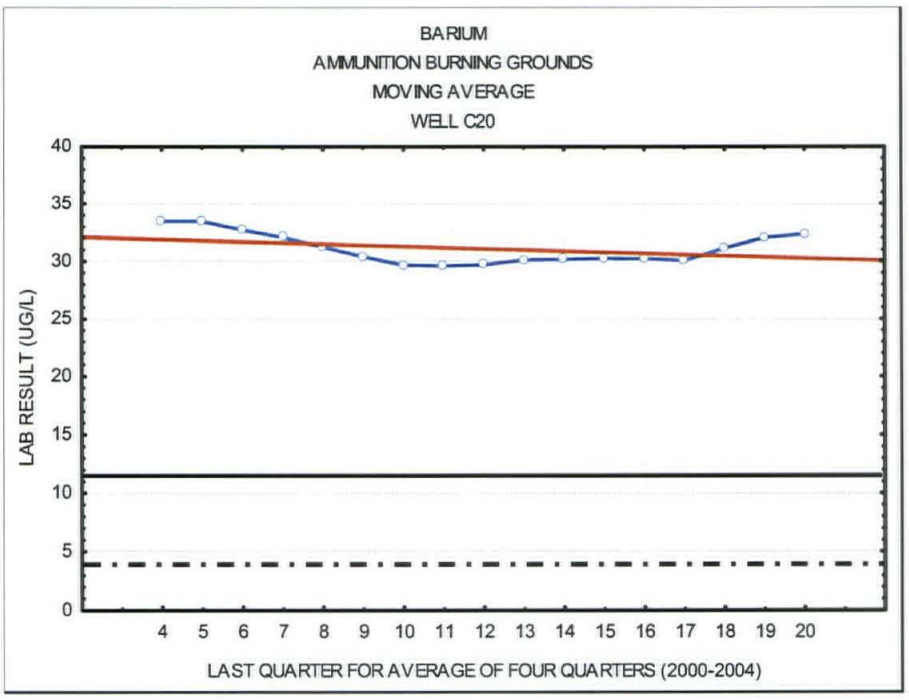

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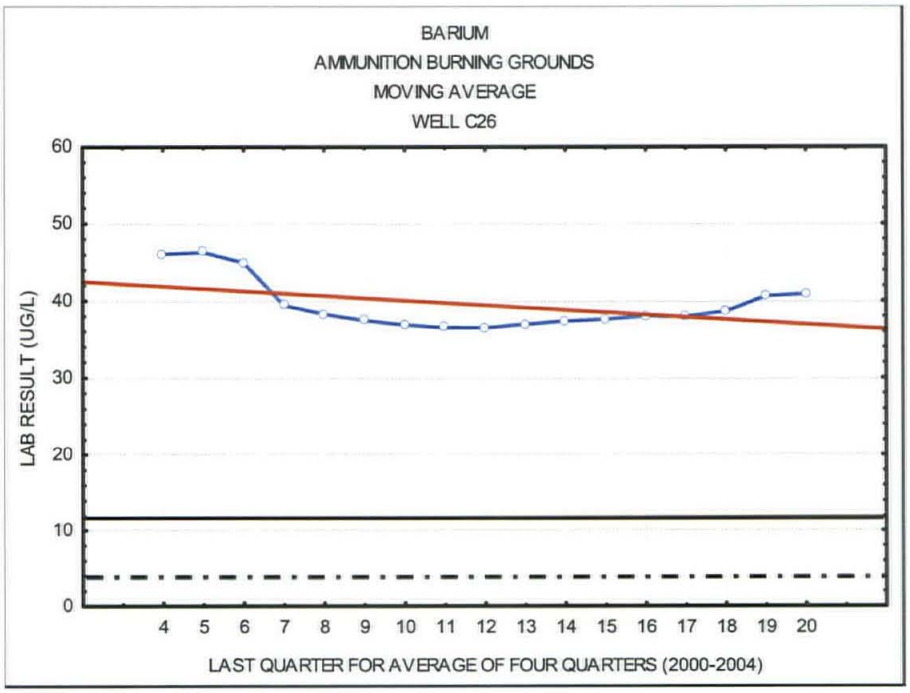

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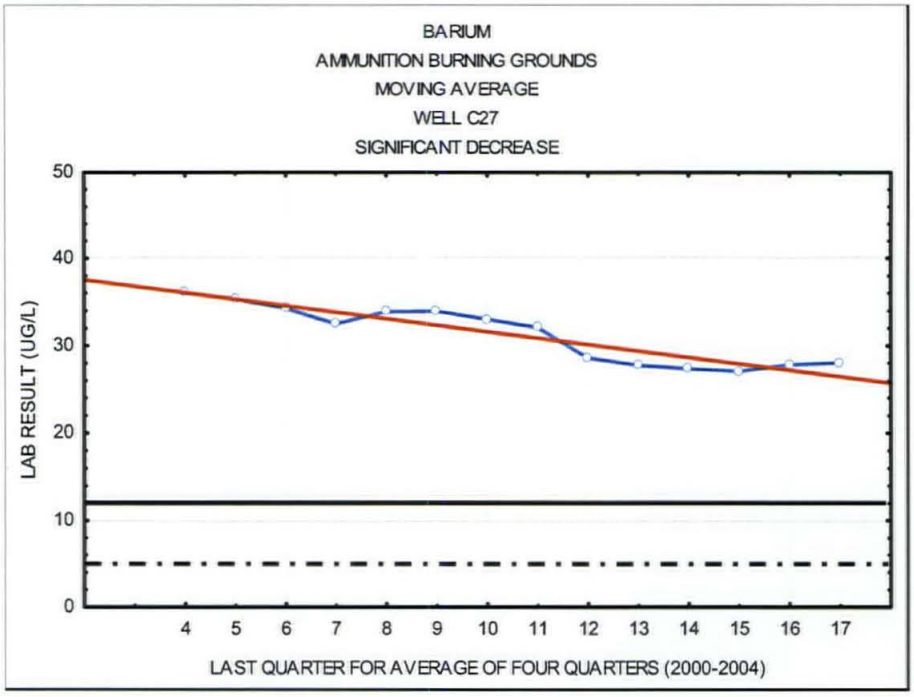

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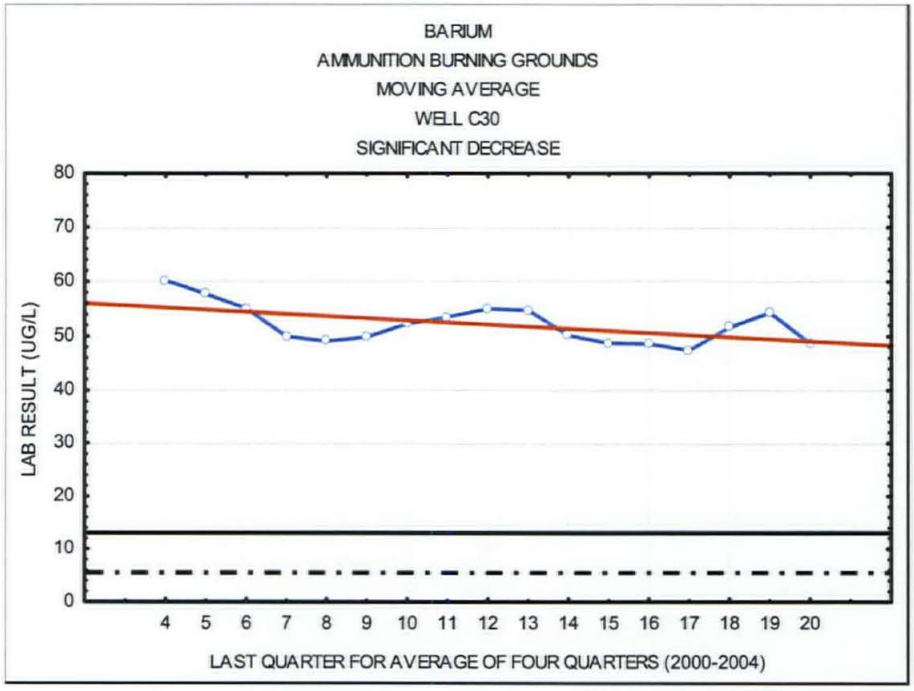

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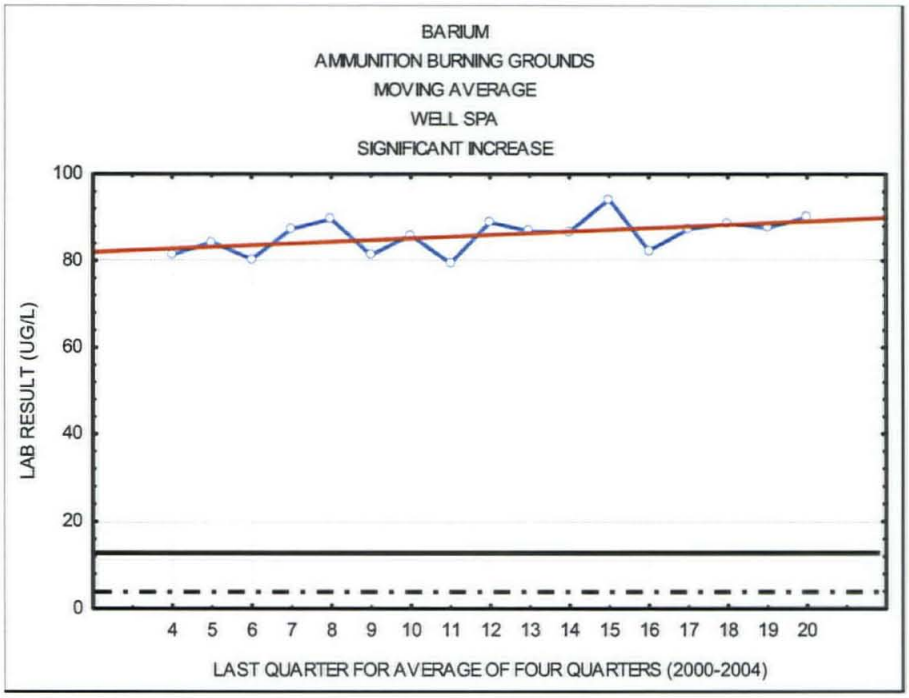

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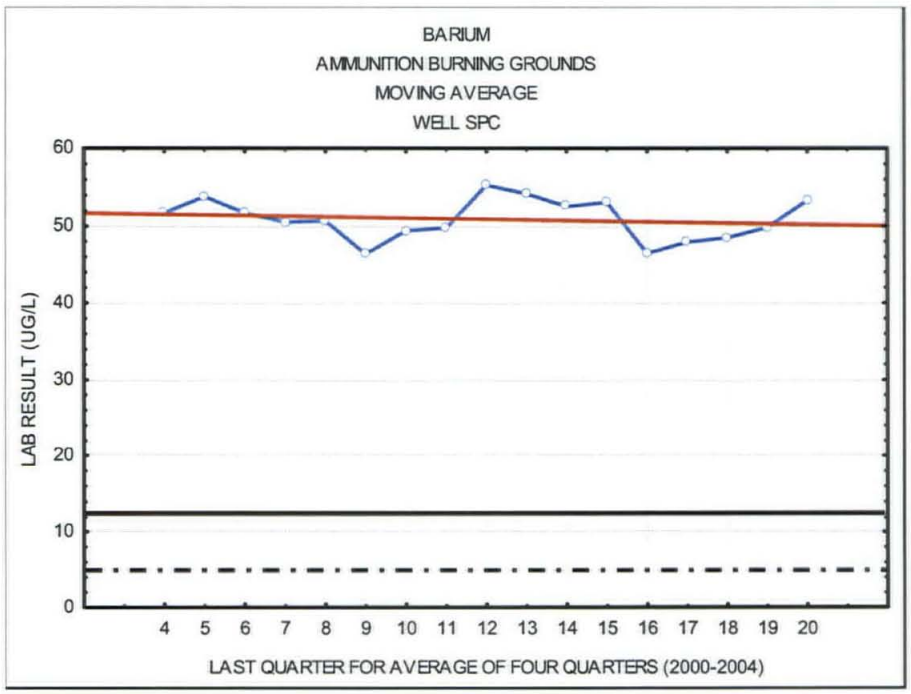

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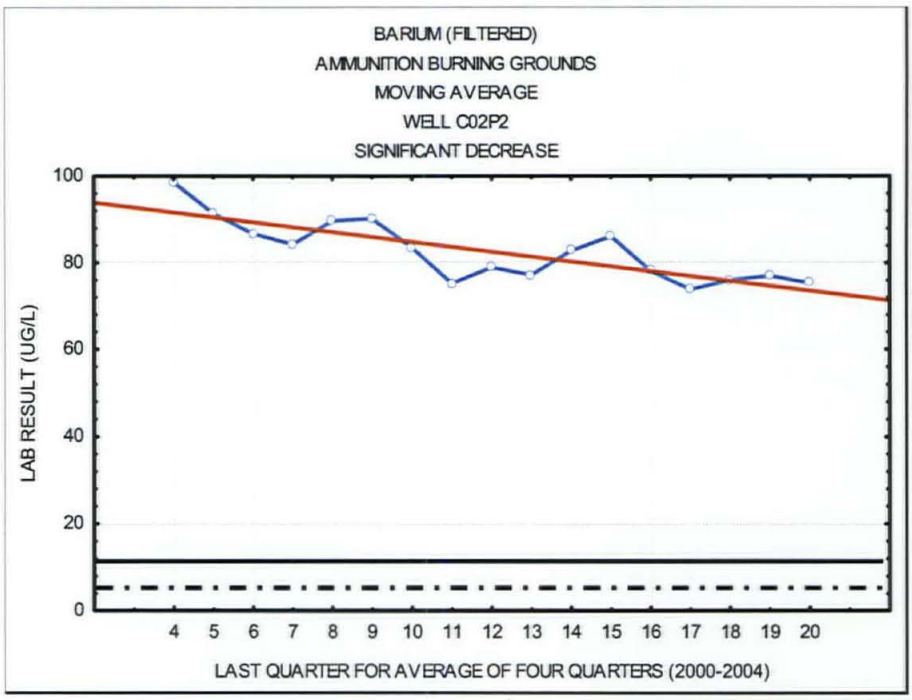

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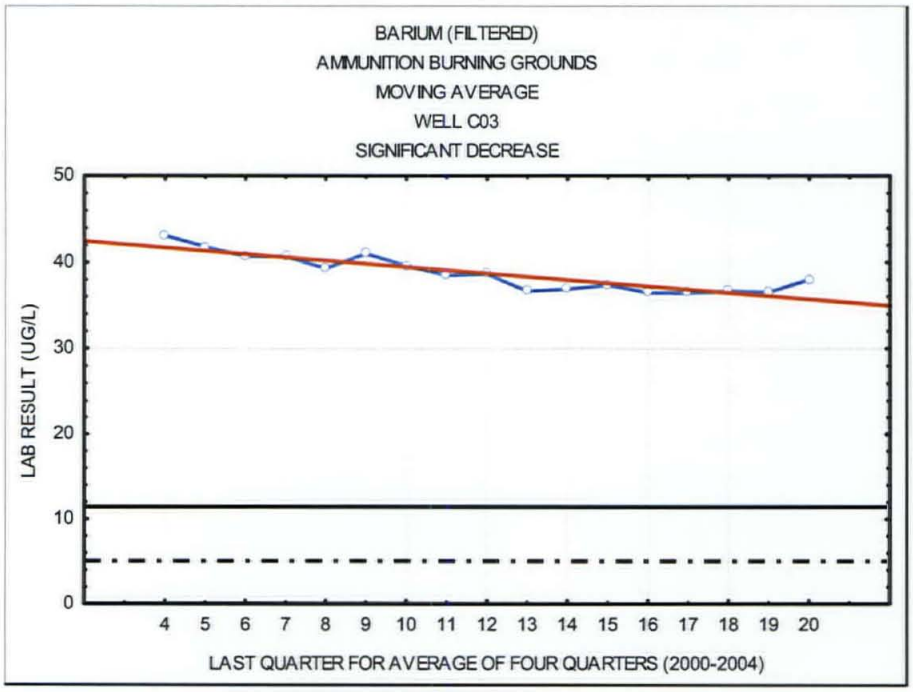

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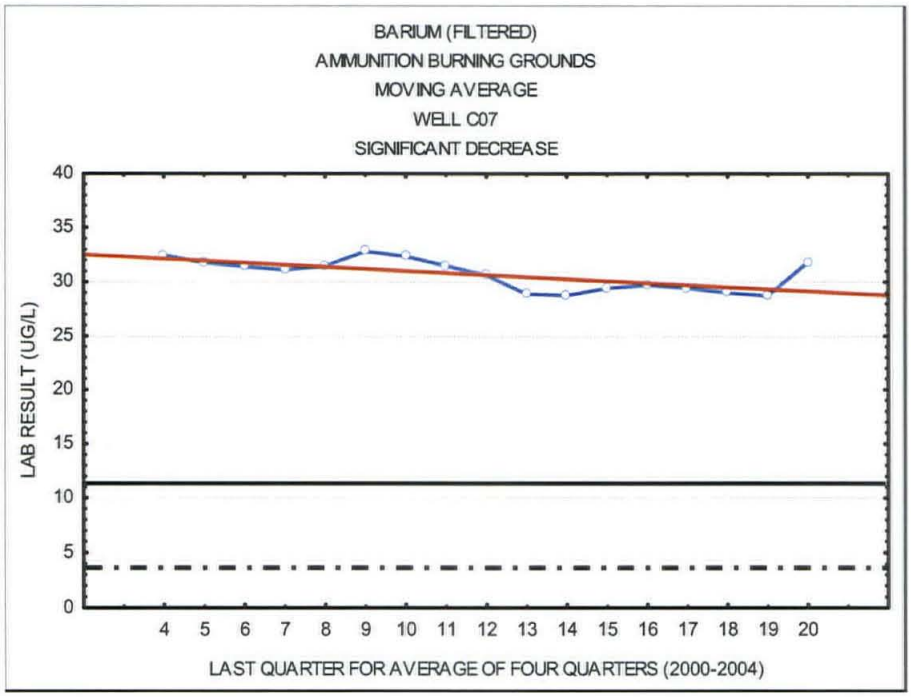

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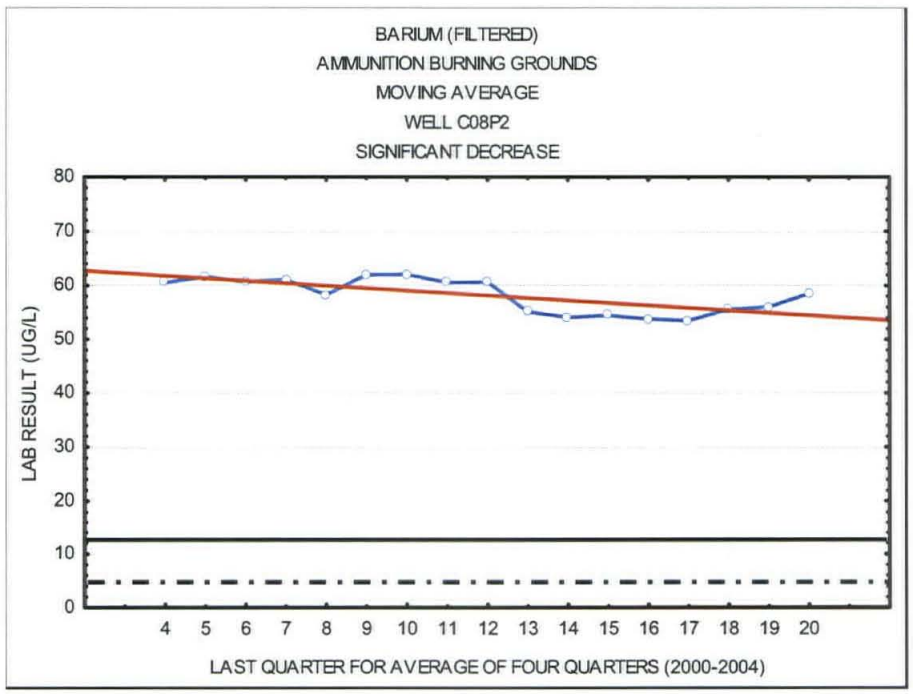

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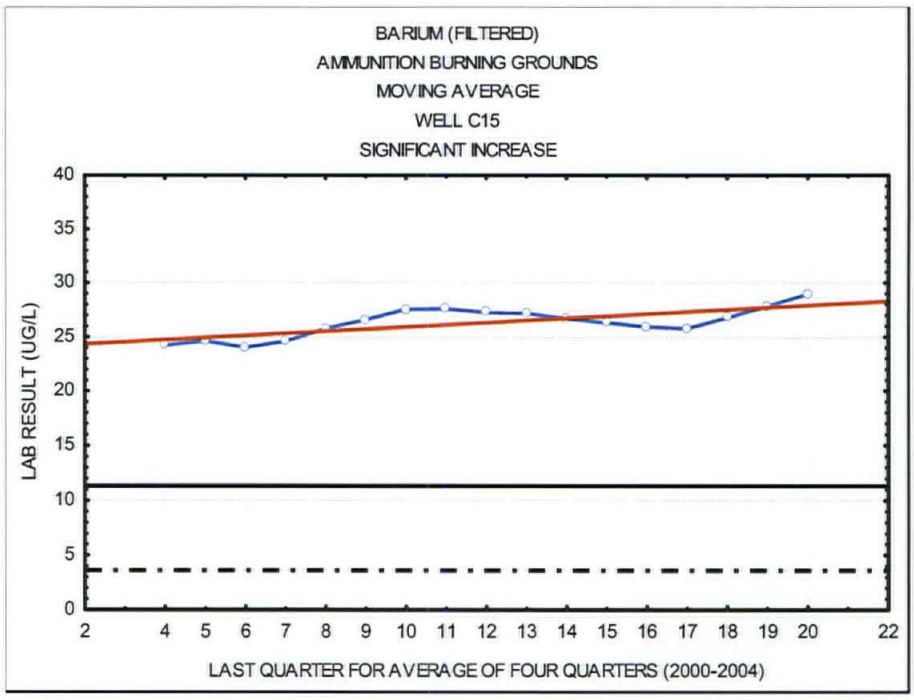

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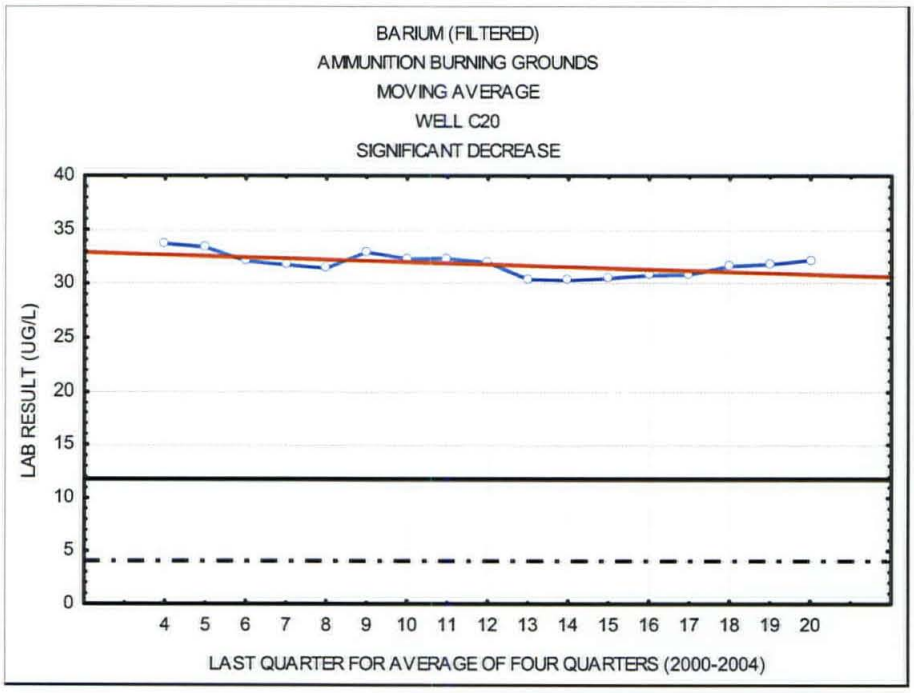

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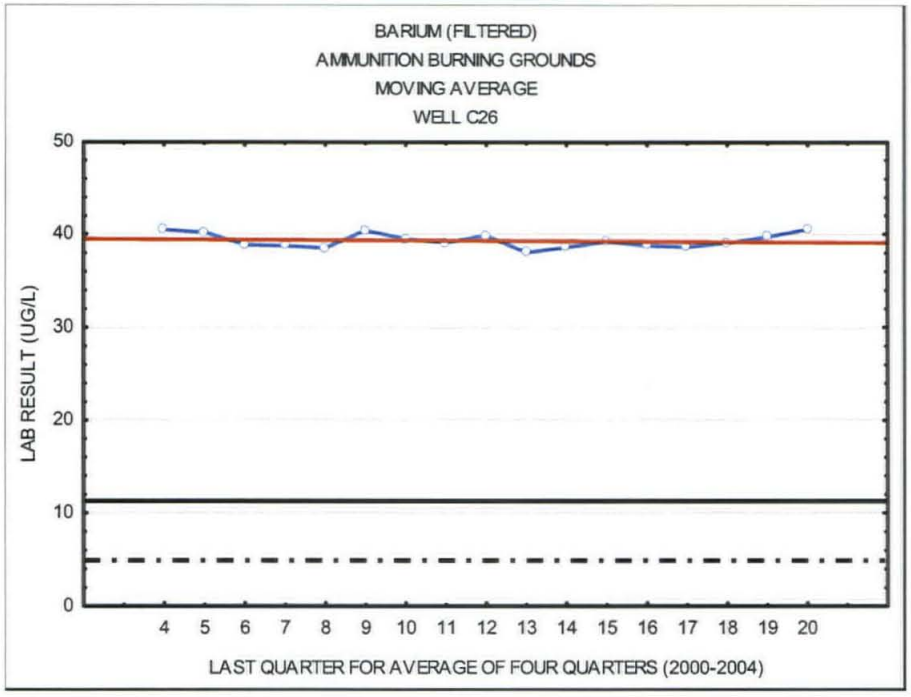

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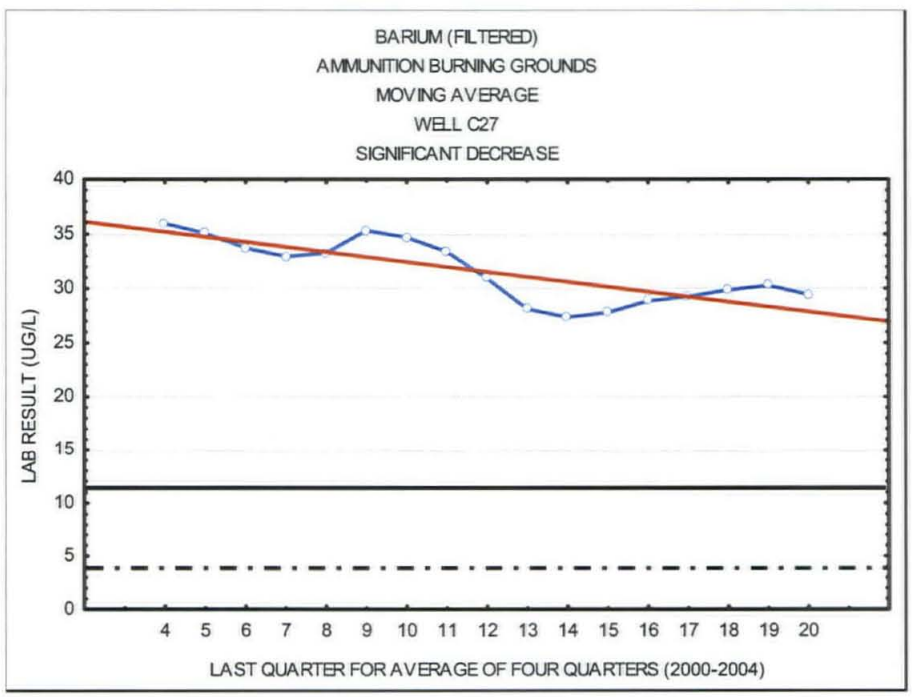

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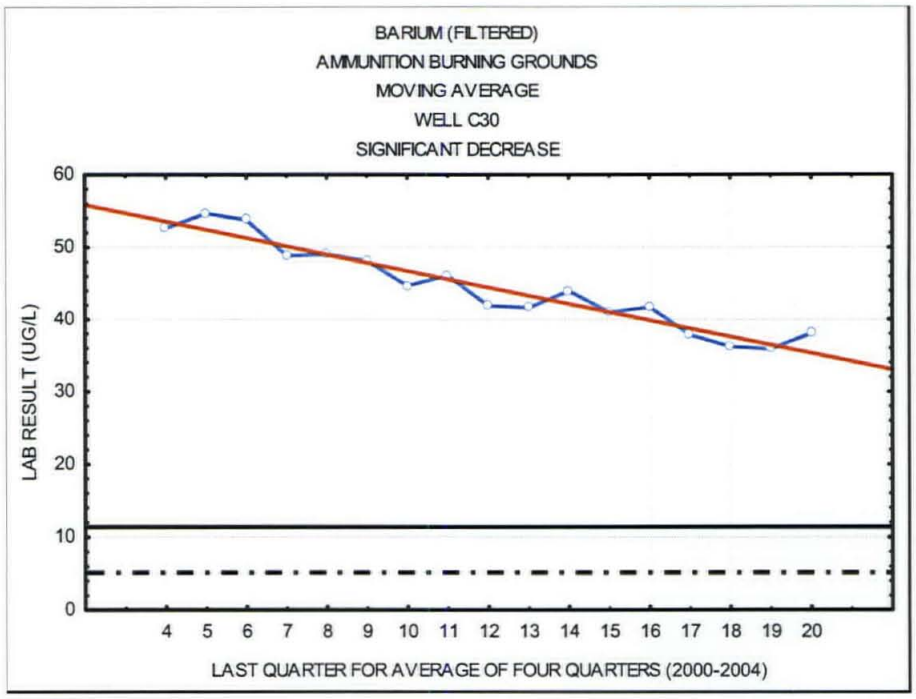

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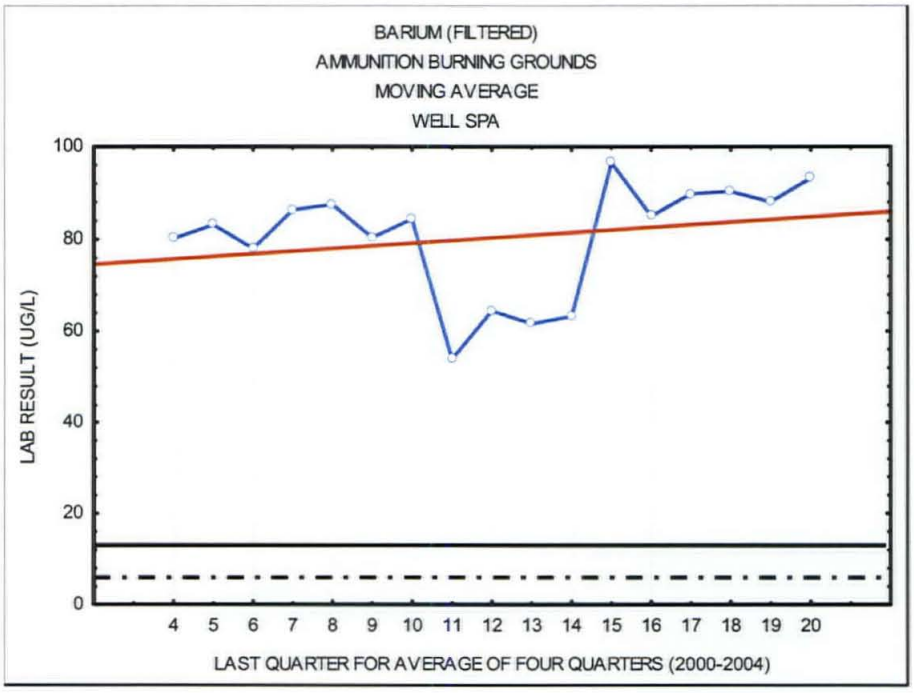

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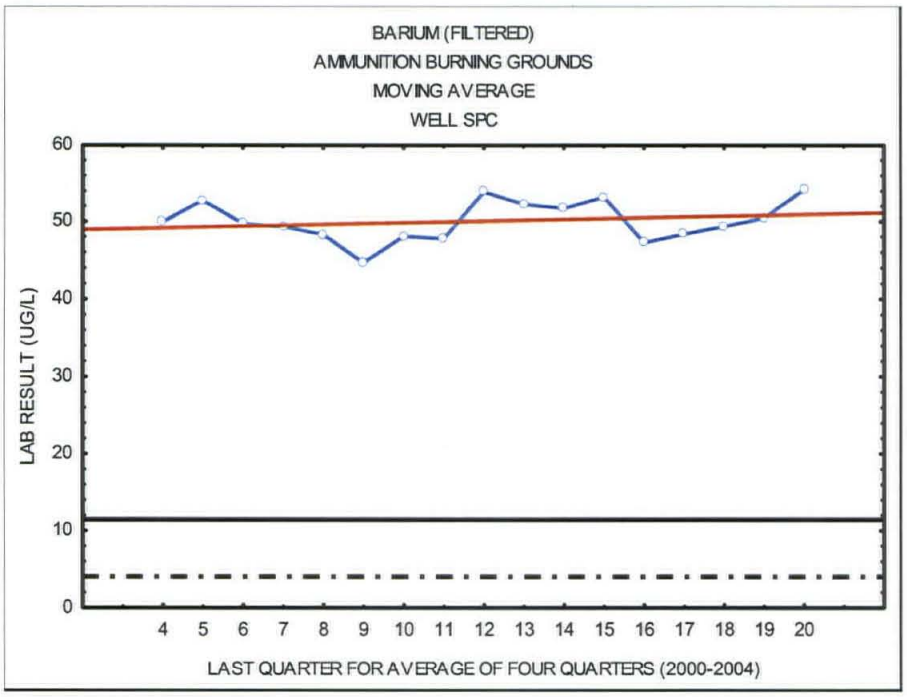

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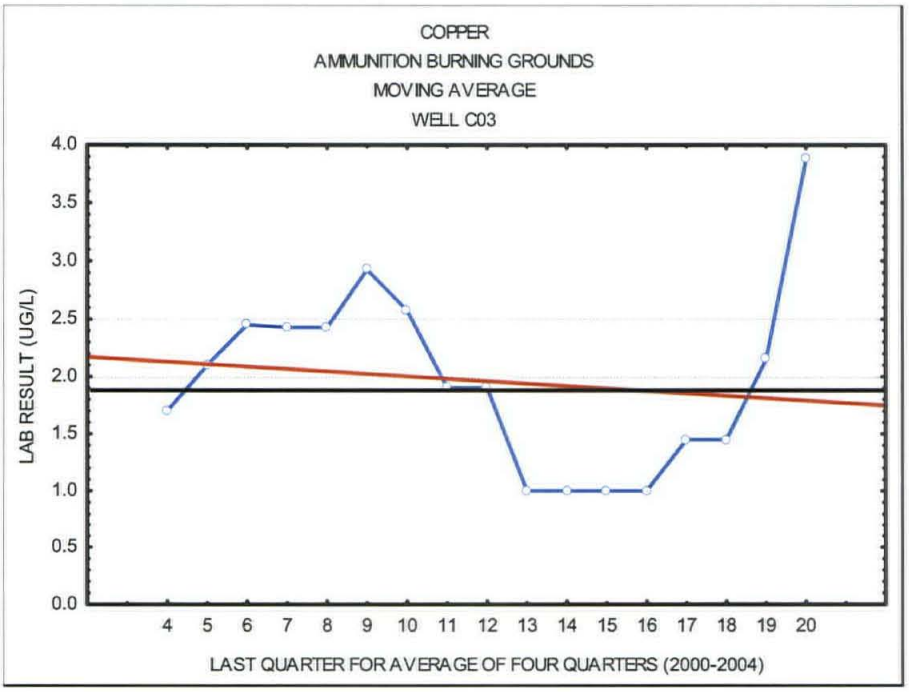

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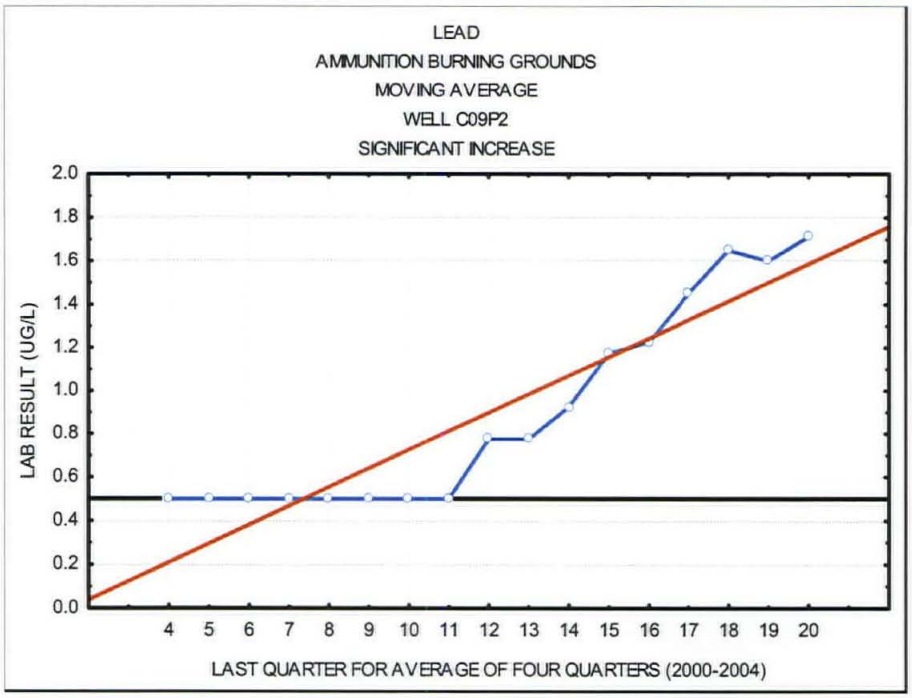
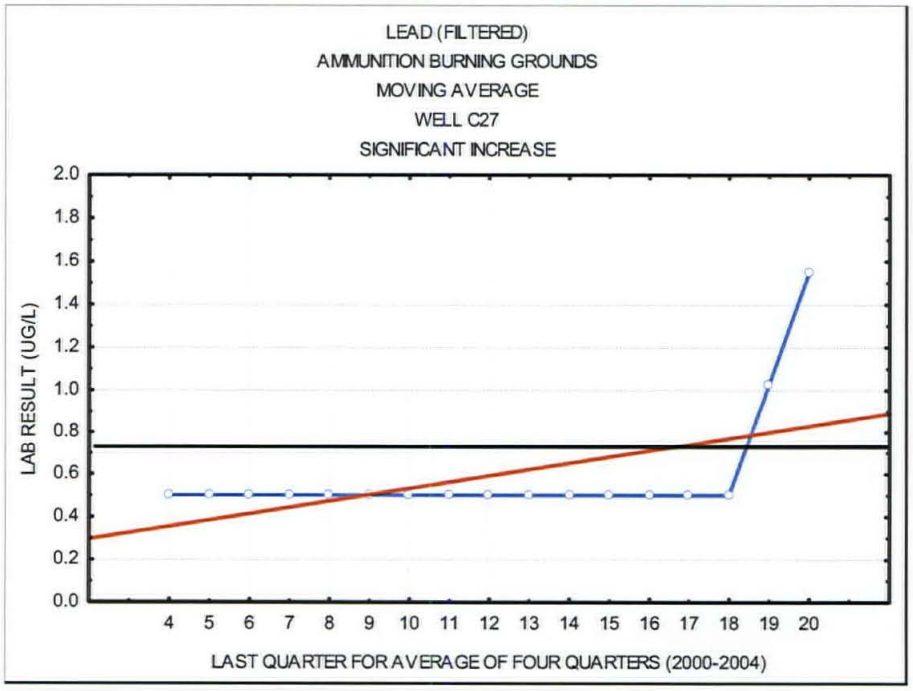


Figure 7.42.



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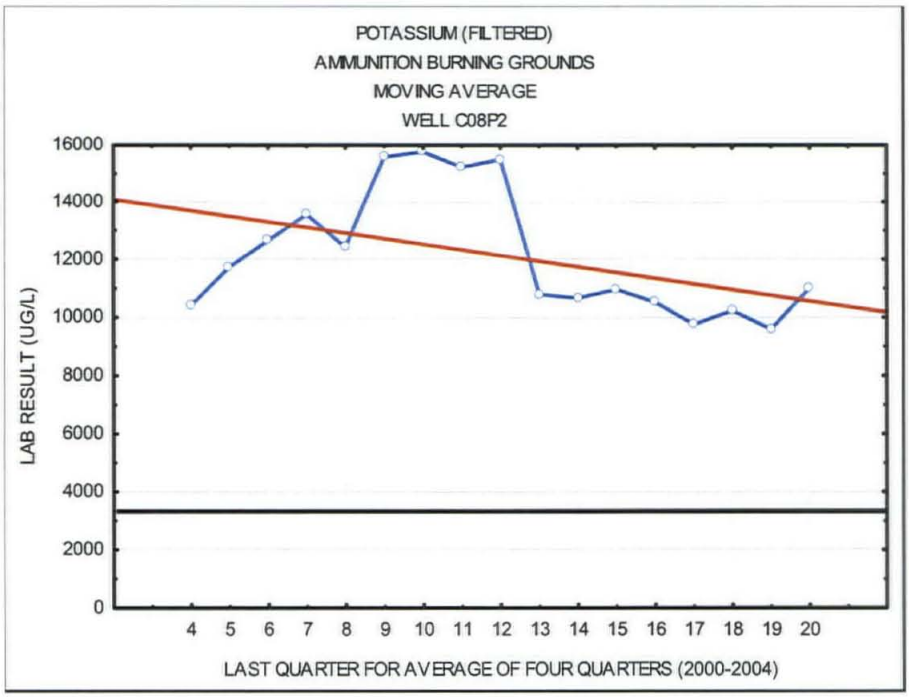
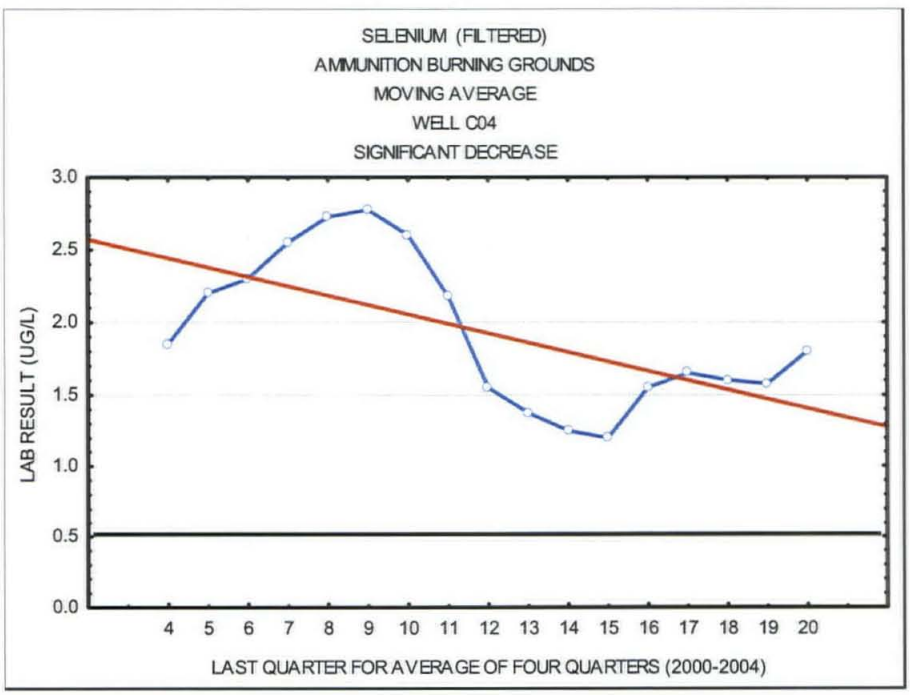


Figure 7.44.



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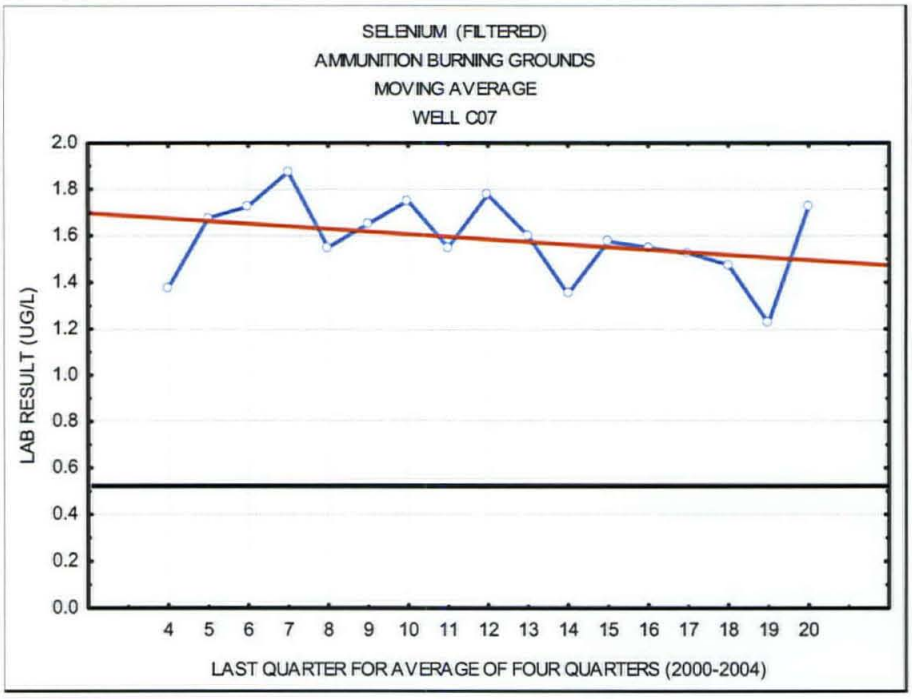

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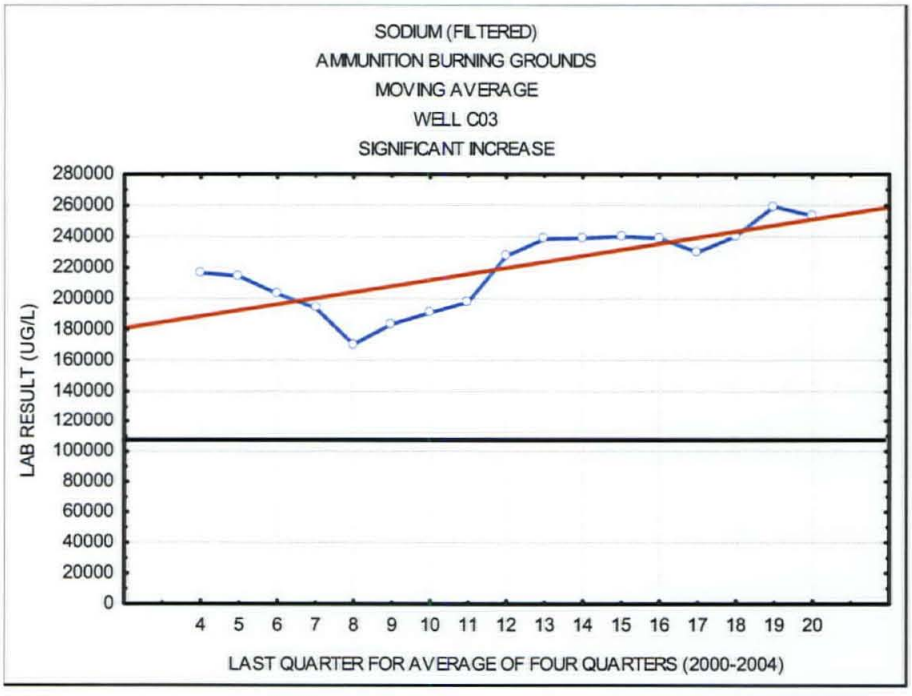


Figure 7.47.

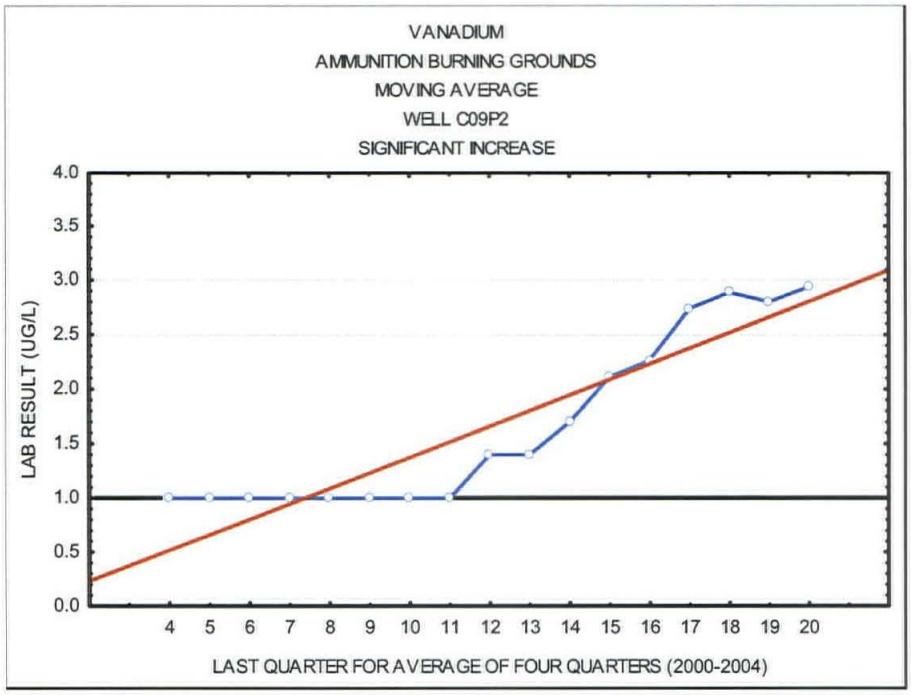


Figure 7.48.

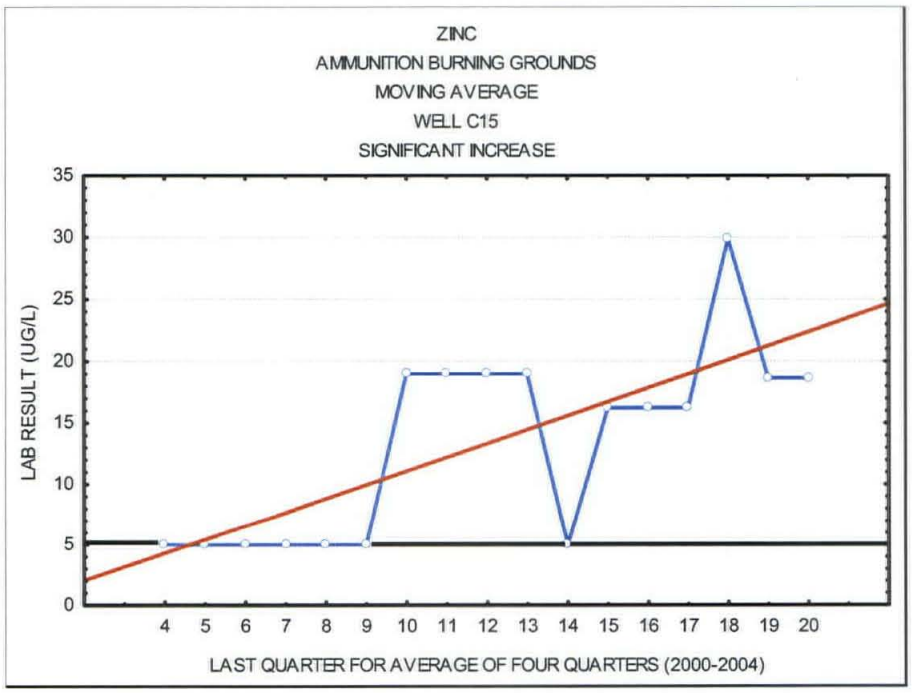
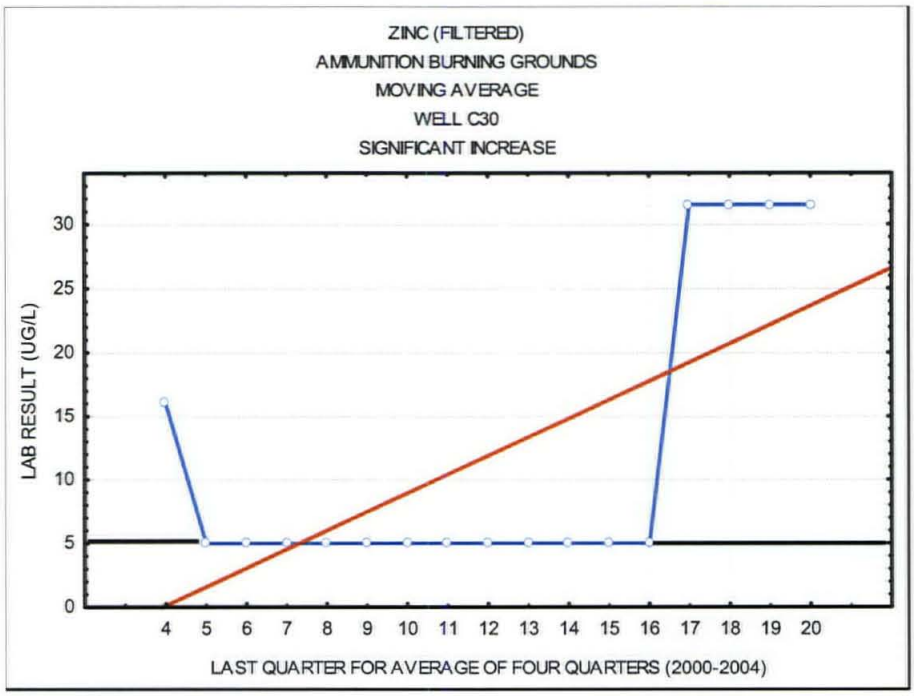


Figure 7.49.



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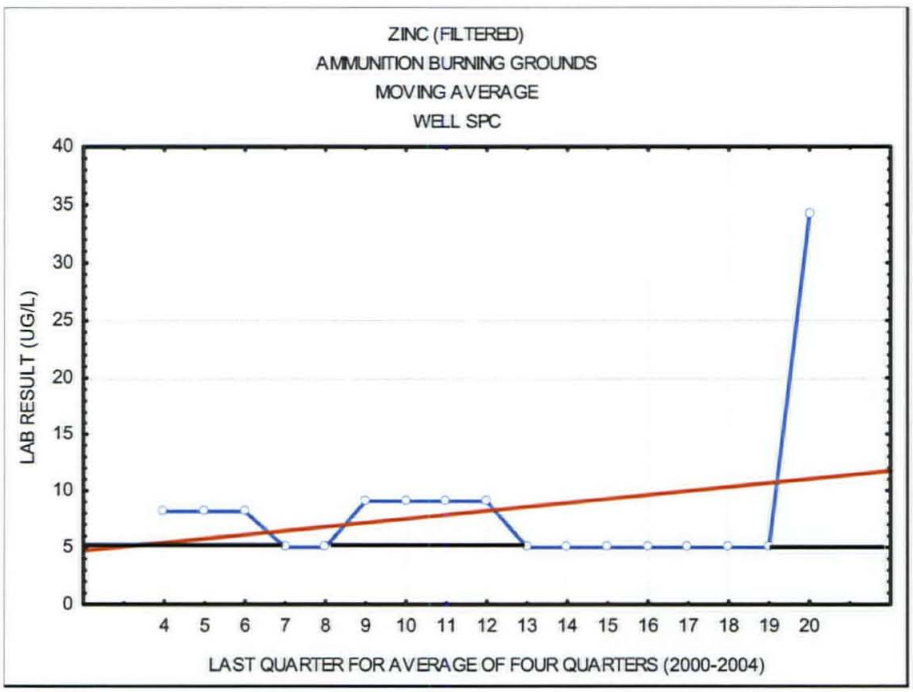


Figure 7.51.

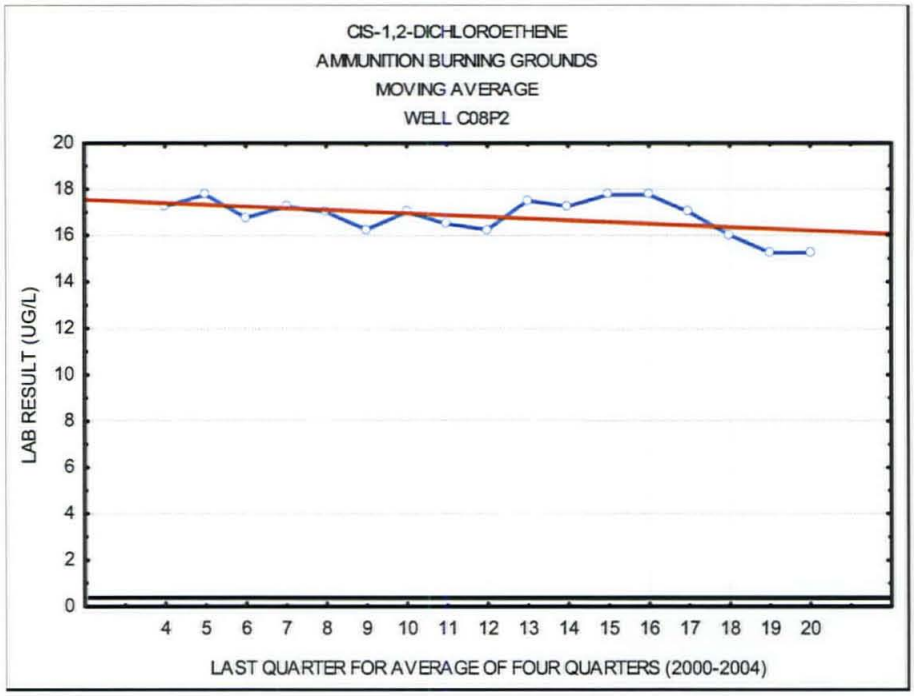
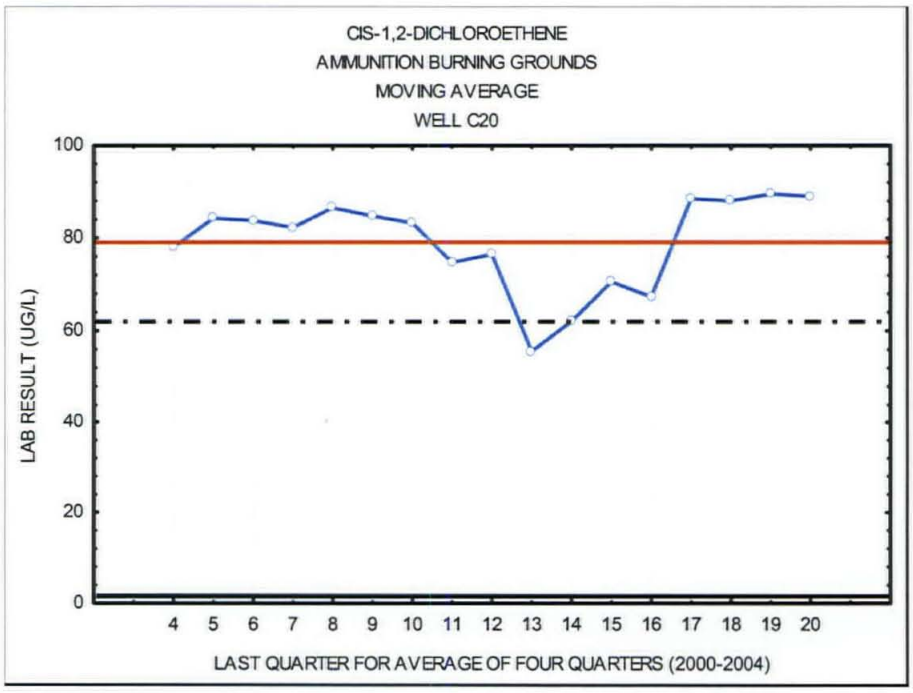


Figure 7.52.



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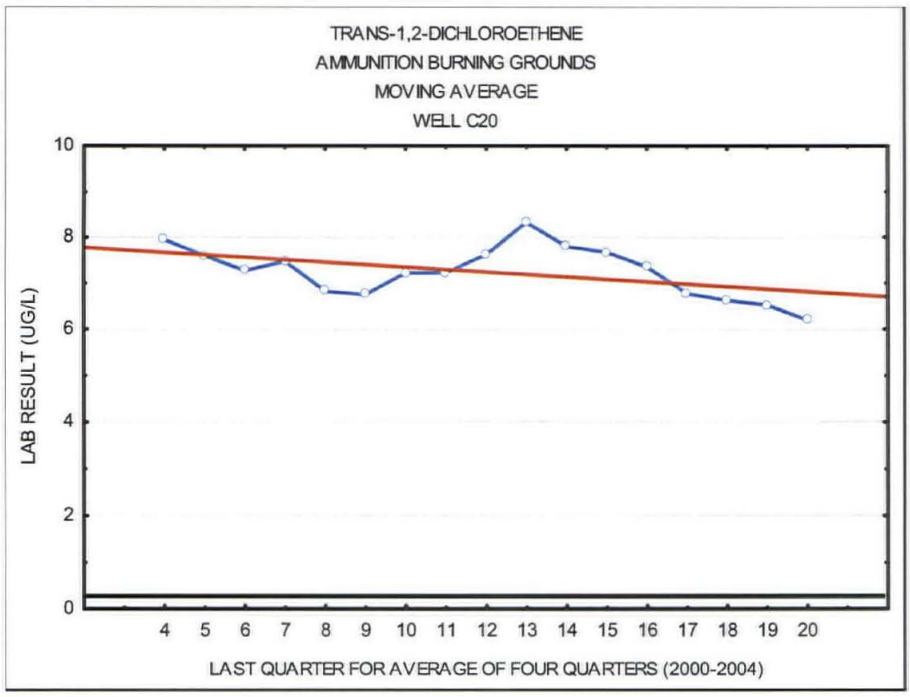

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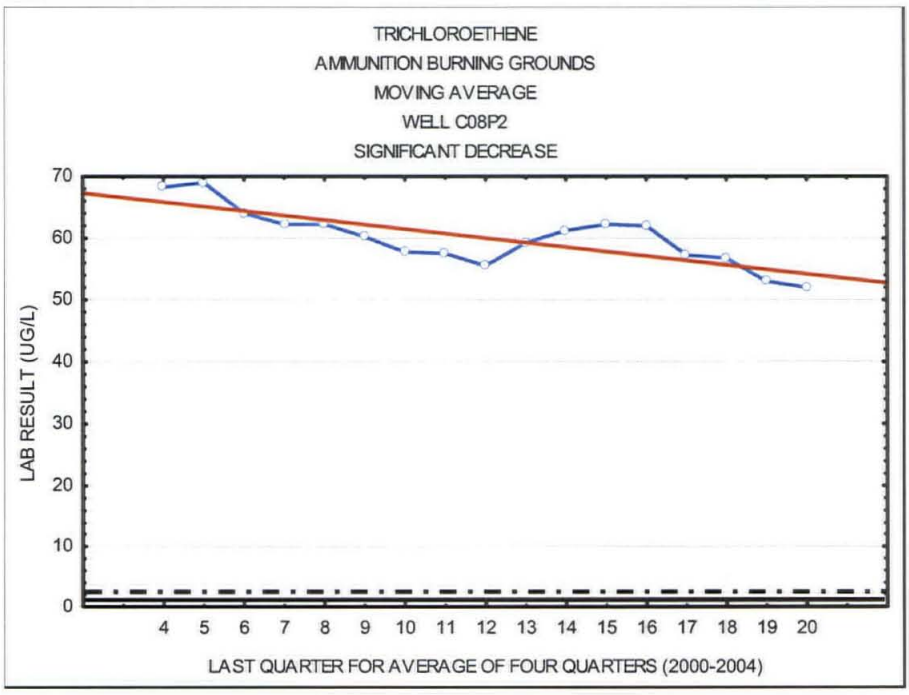


Figure 7.55.

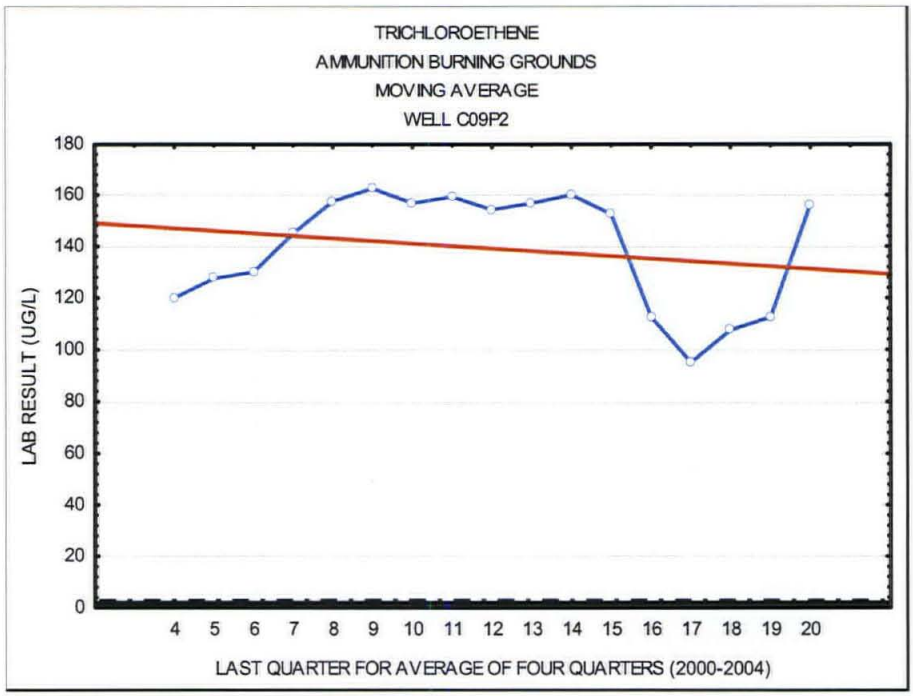


Figure 7.56.

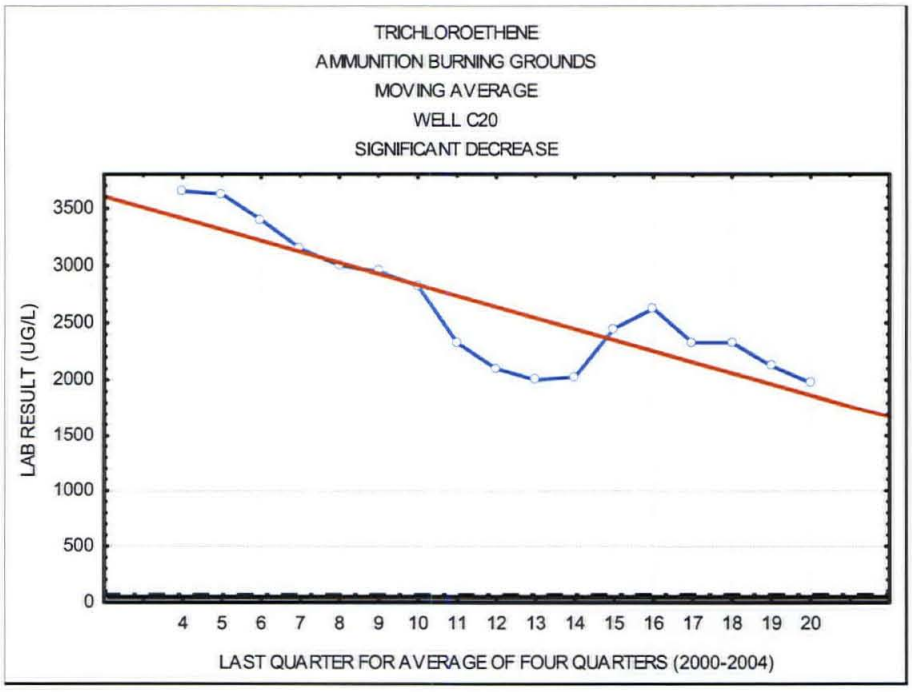


Figure 7.57.

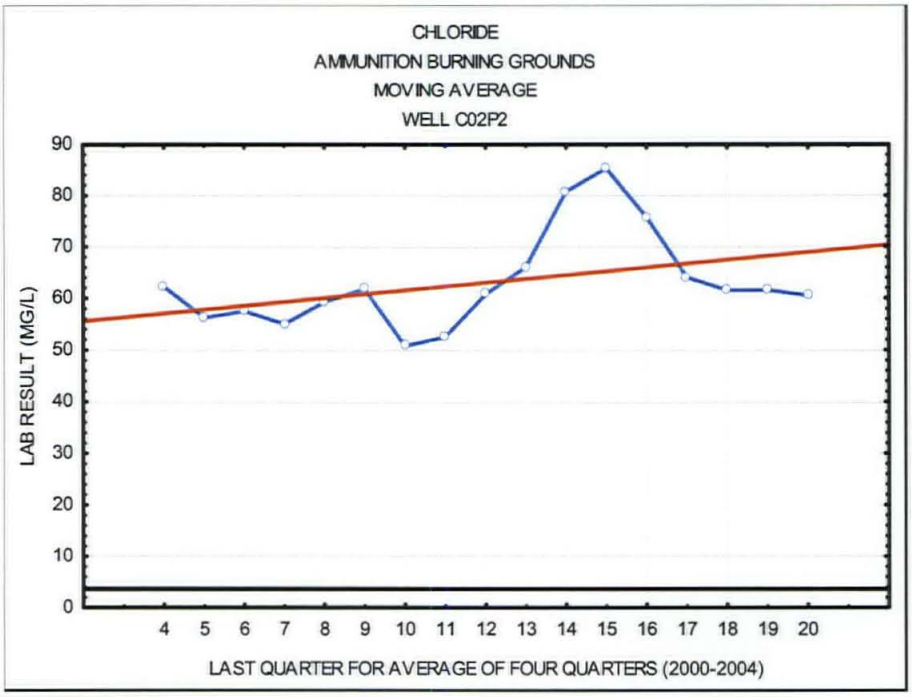


Figure 7.58.

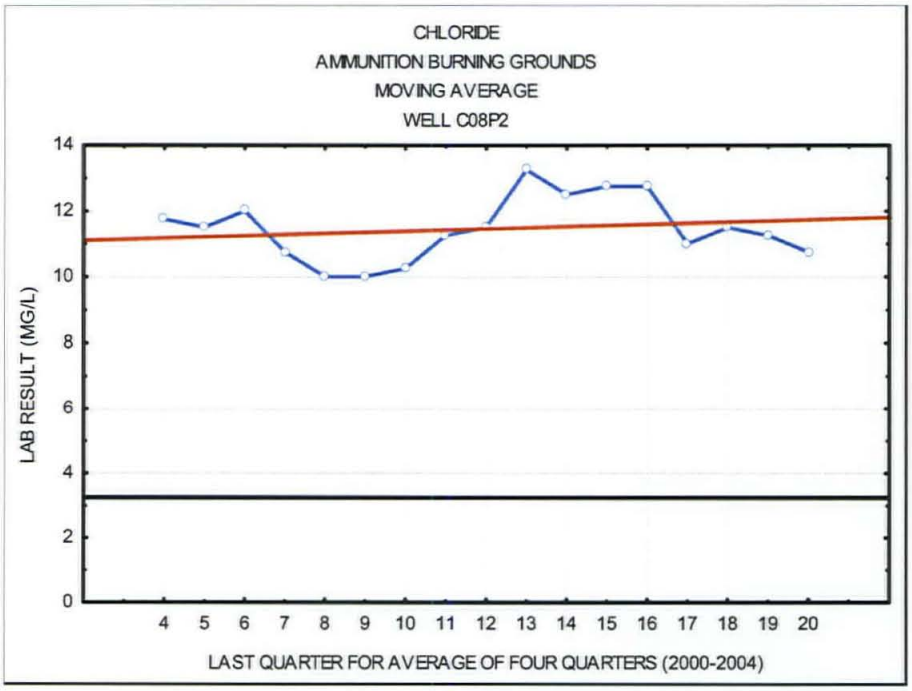


Figure 7.59.

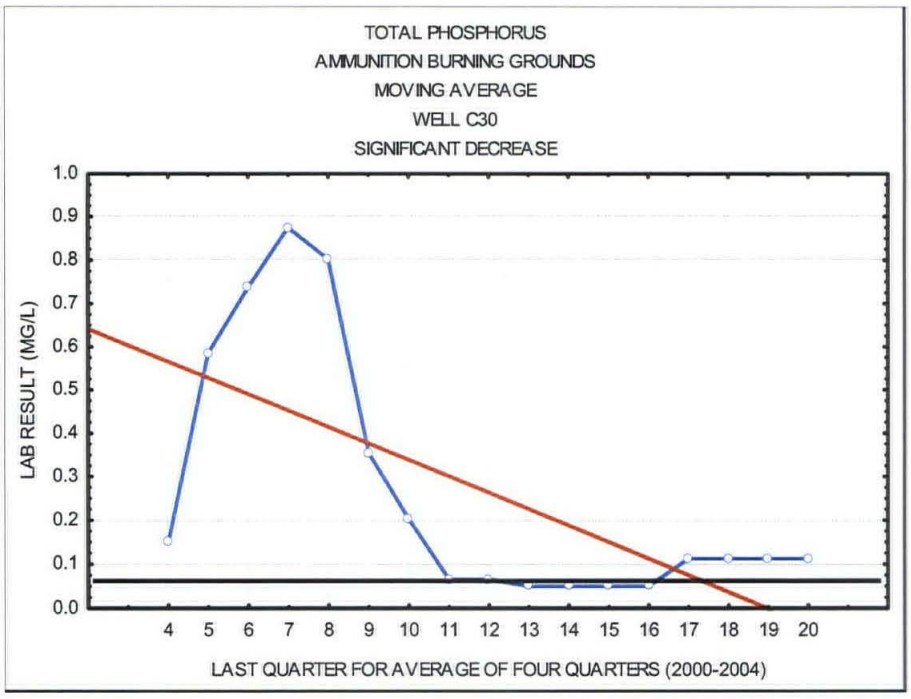


Figure 7.60.

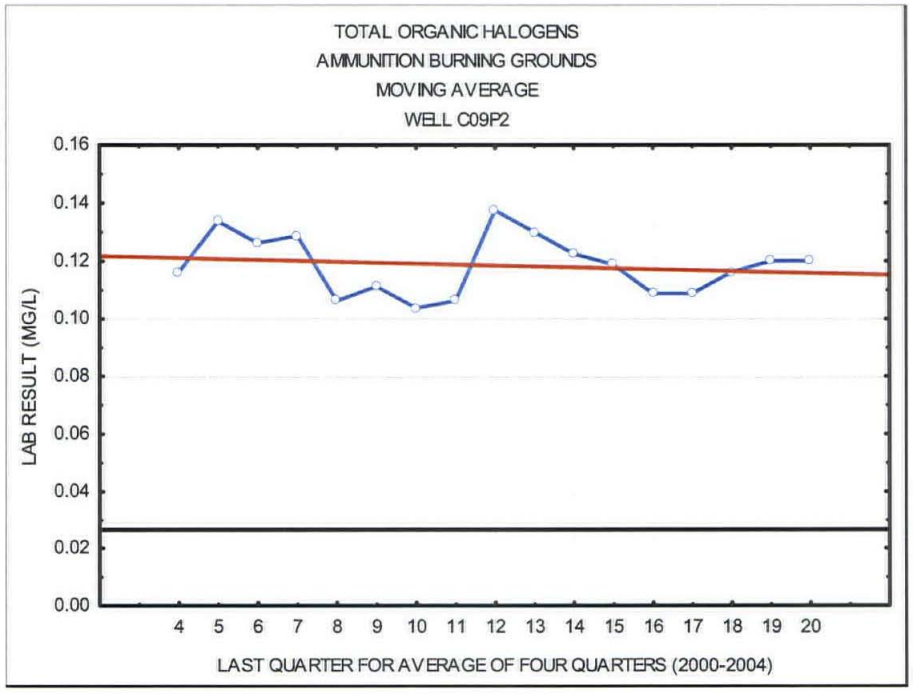


Figure 7.61.

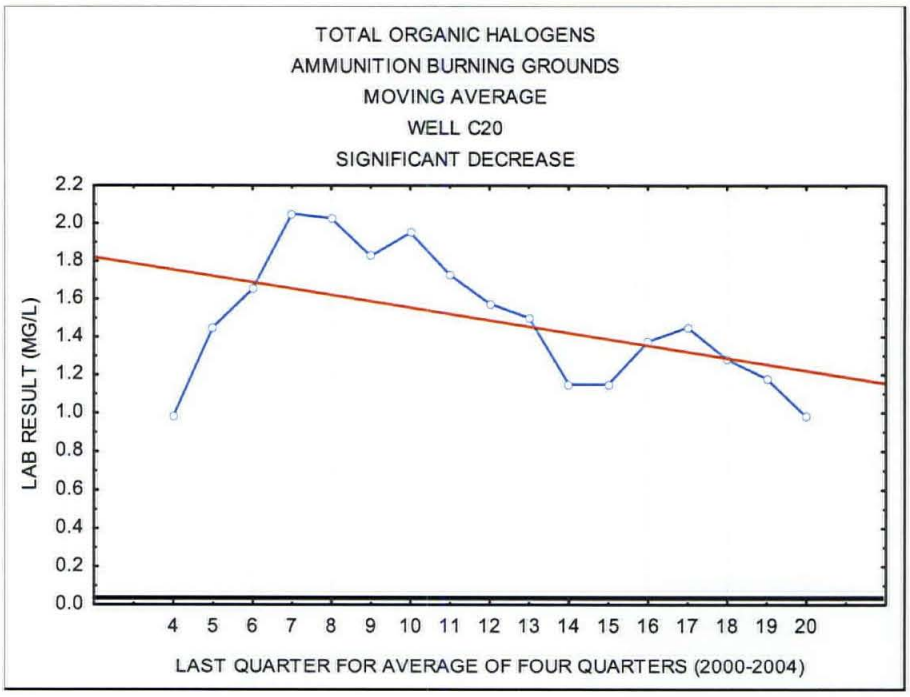

TOTAL ORGANIC HALOGENS
AMMUNITION BURNING GROUNDS
MOVING AVERAGE
WELL C20
SIGNIFICANT DECREASE
LAB RESULT (MG/L)
2.2
2.0
1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
LAST QUARTER FOR AVERAGE OF FOUR QUARTERS (2000-2004)

Figure 7.62.

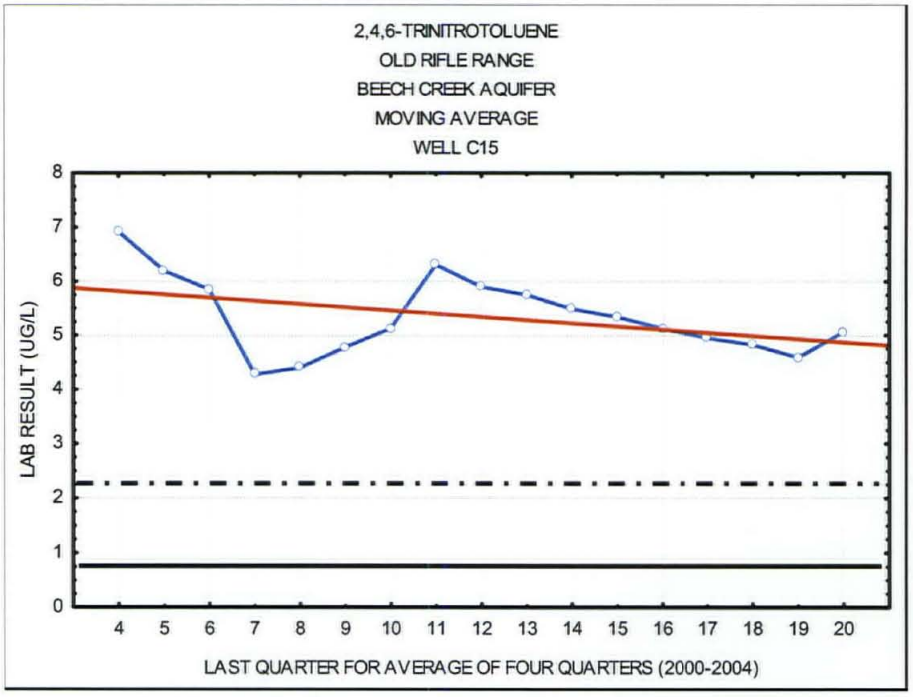


Figure 7.63.

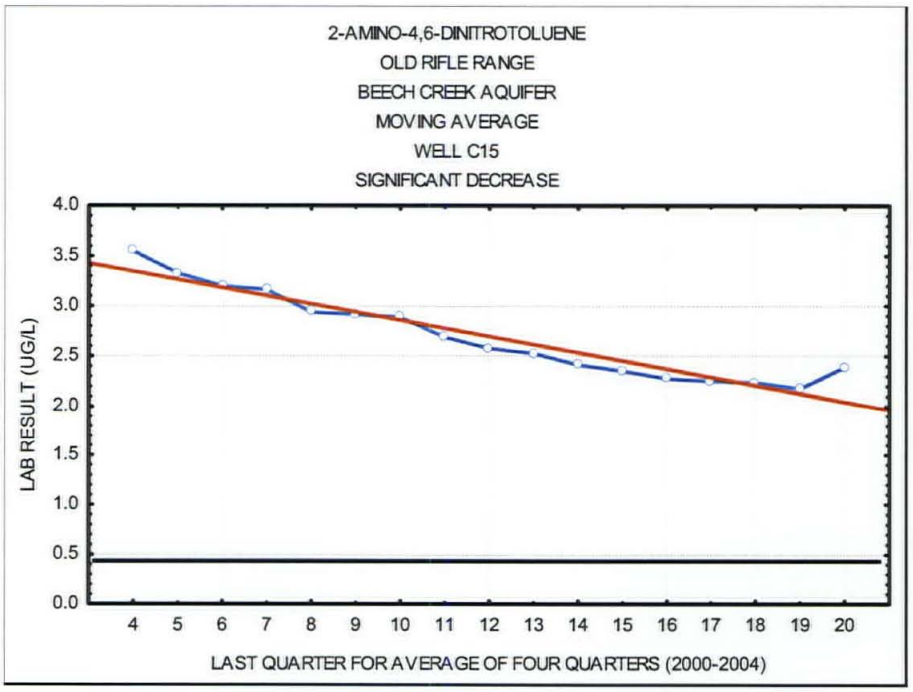


Figure 7.64.

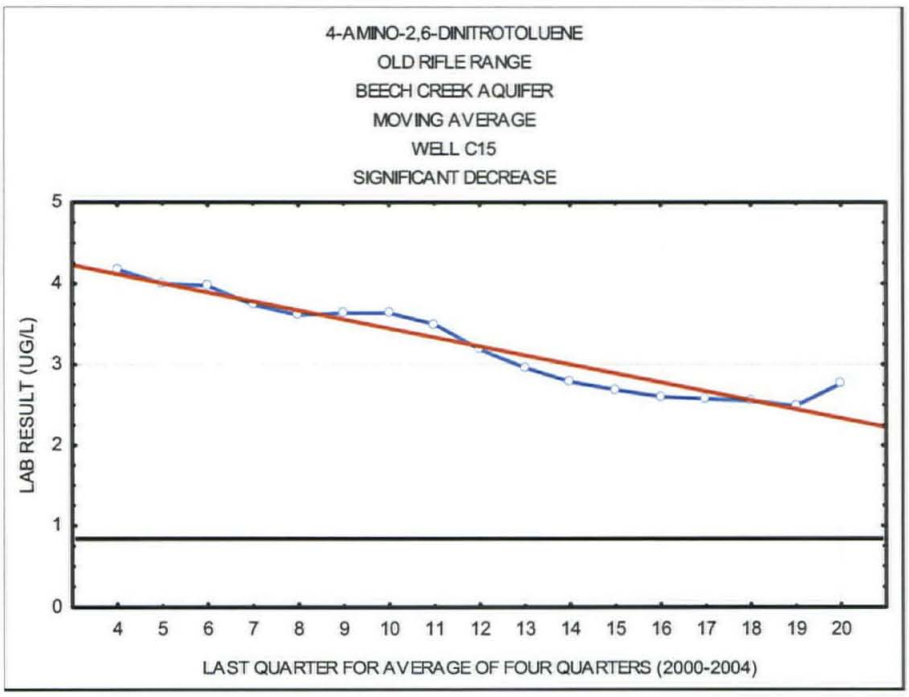

4-AMINO-2,6-DINITROTOLUENE
OLD RIFLE RANGE
BEECH CREEK AQUIFER
MOVING AVERAGE
WELL C15
SIGNIFICANT DECREASE
LAB RESULT (UG/L)
0
1
2
3
4
5
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
LAST QUARTER FOR AVERAGE OF FOUR QUARTERS (2000-2004)

Figure 7.65.

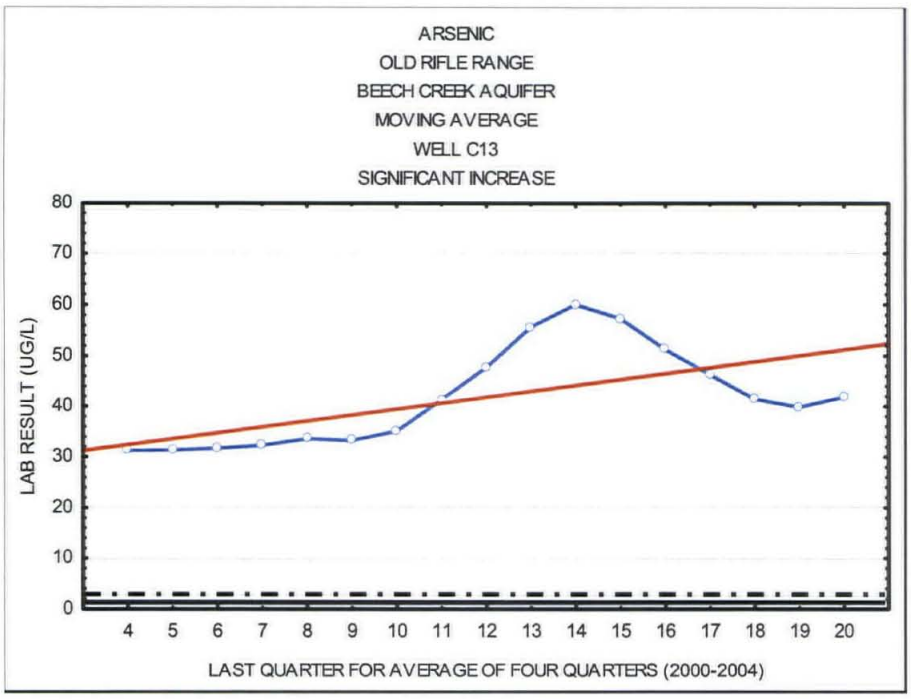


Figure 7.66.

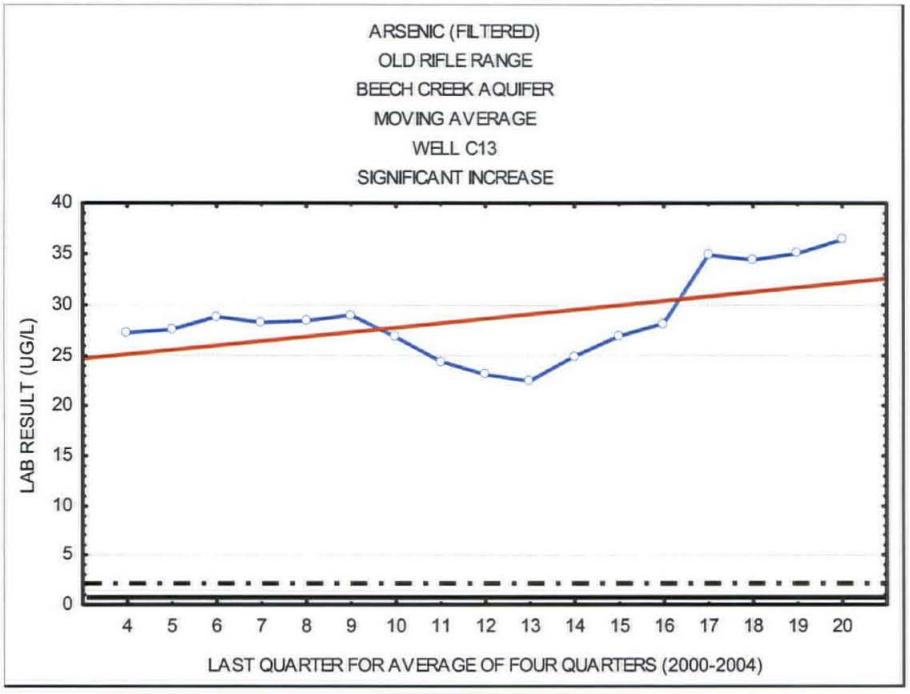


Figure 7.67.

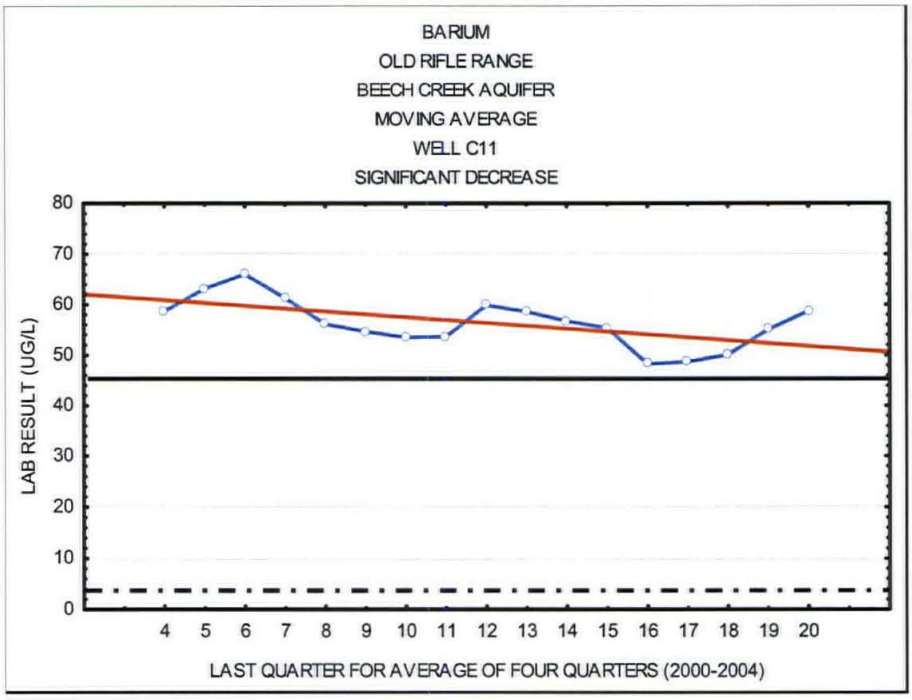


Figure 7.68.

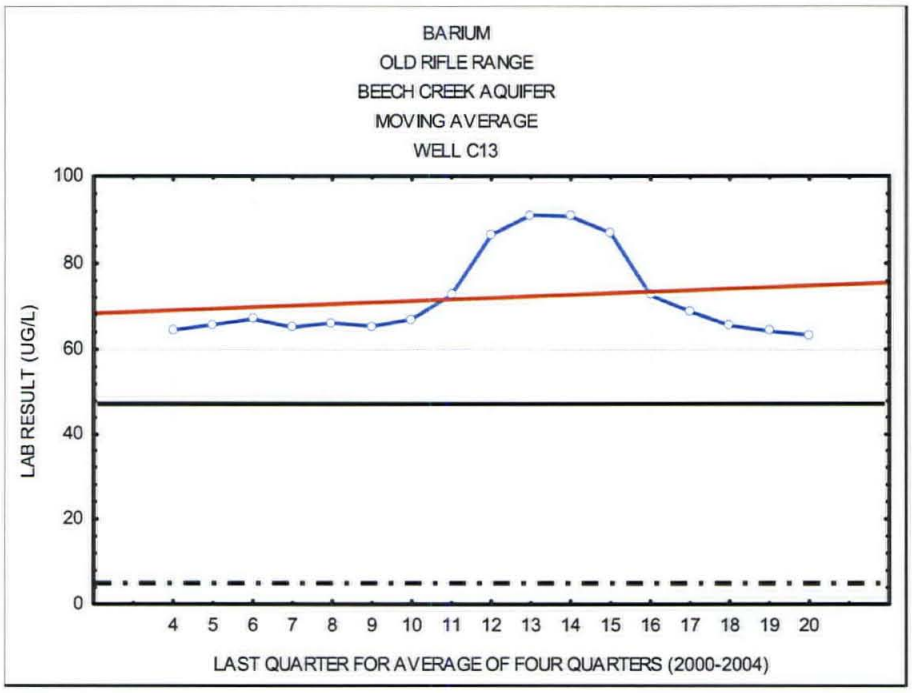


Figure 7.69.

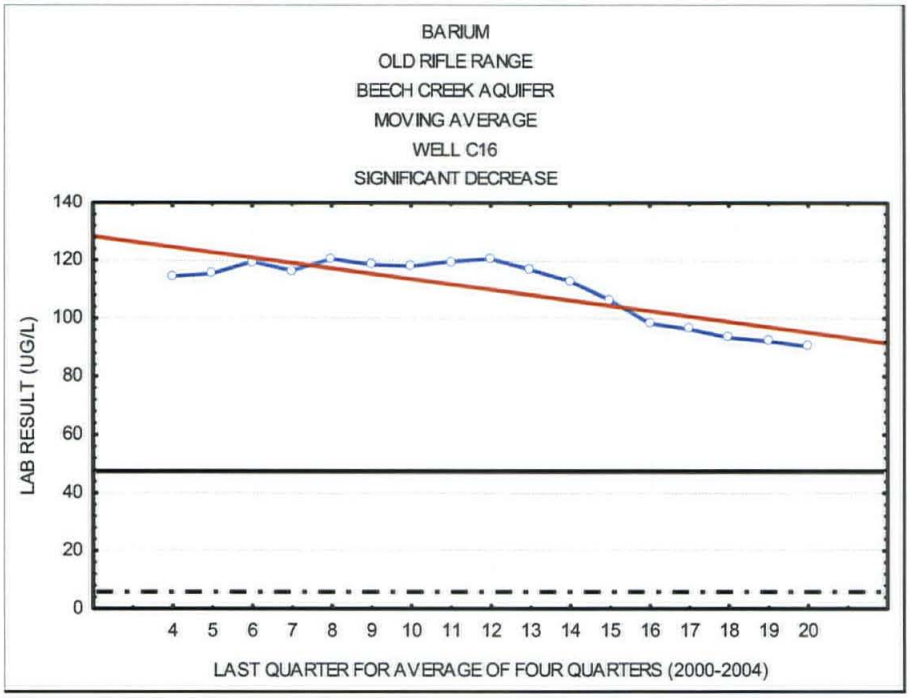


Figure 7.70.

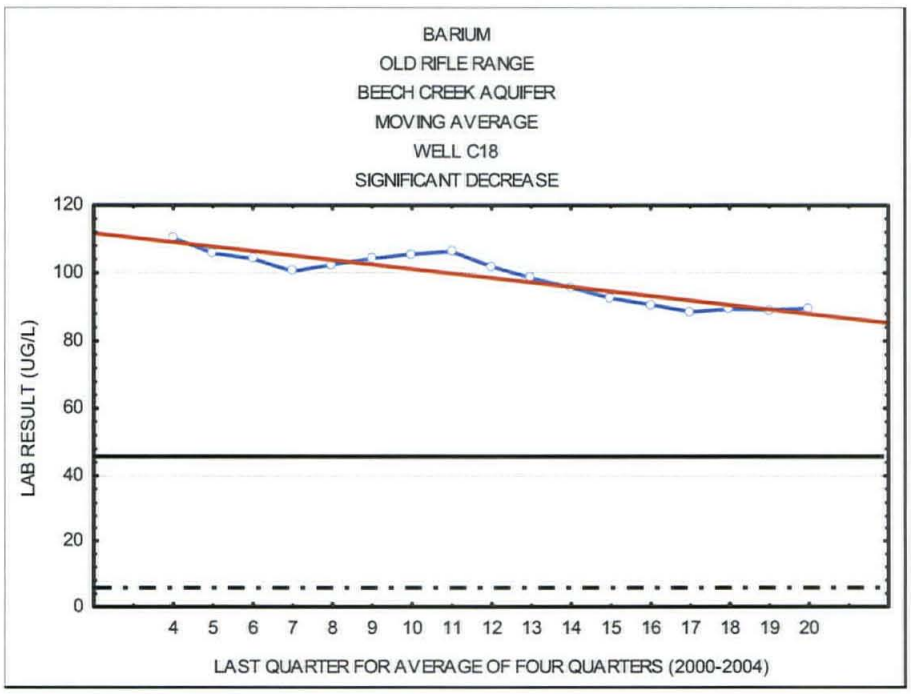
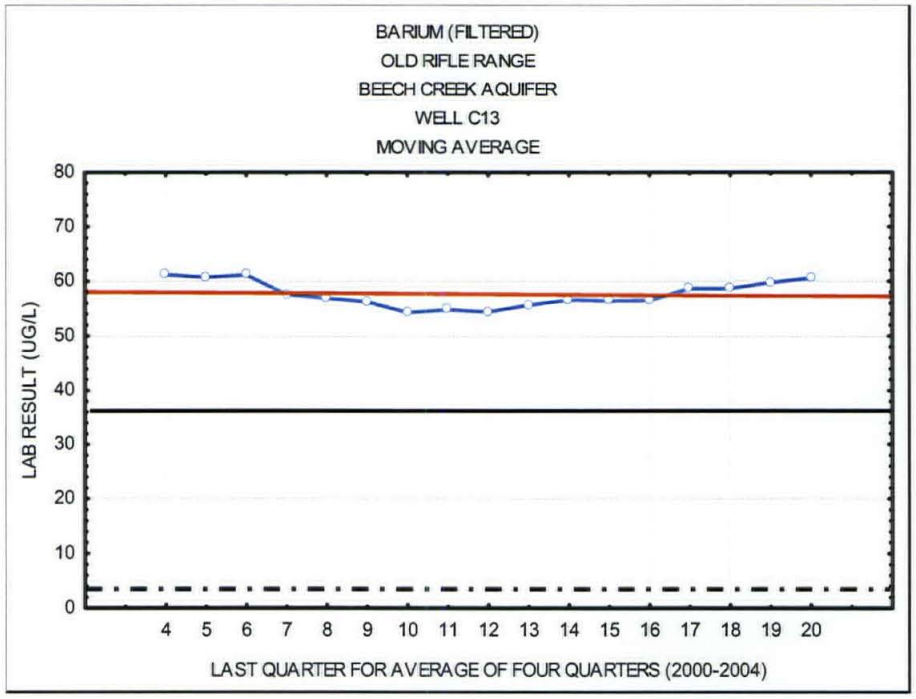


Figure 7.71.



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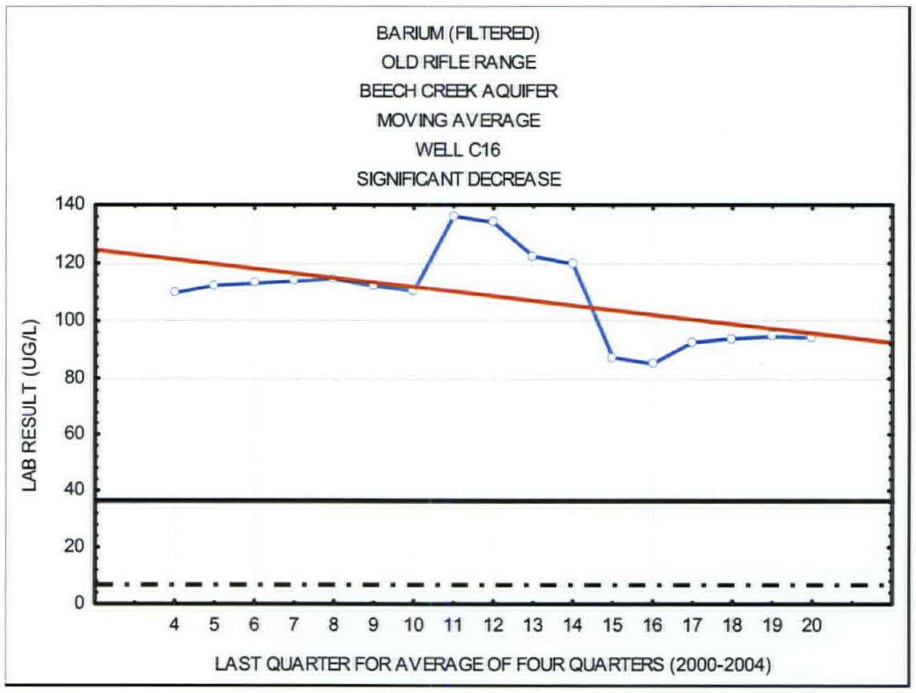


Figure 7.73.

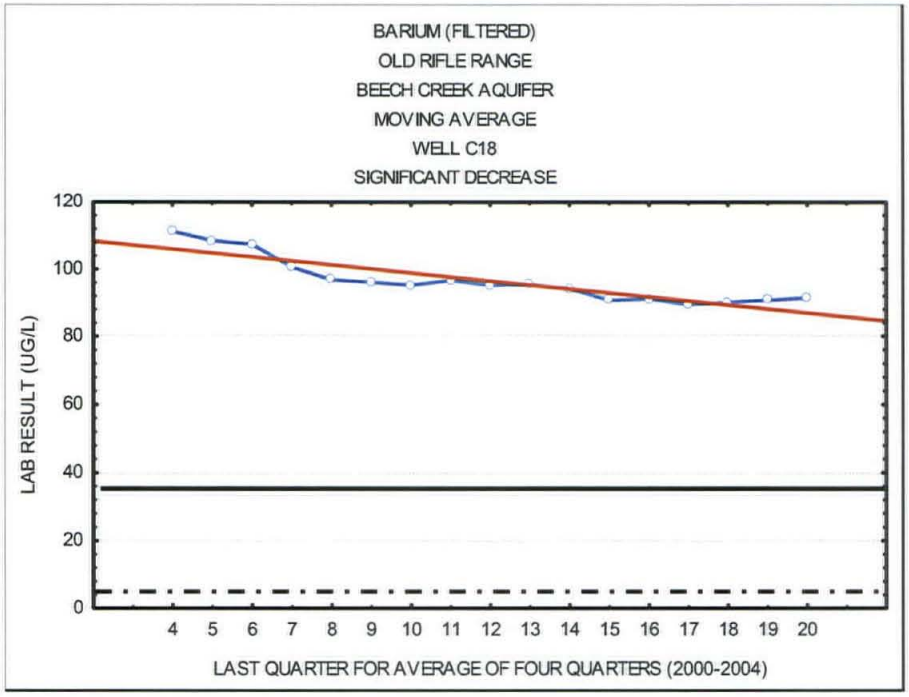


Figure 7.74.

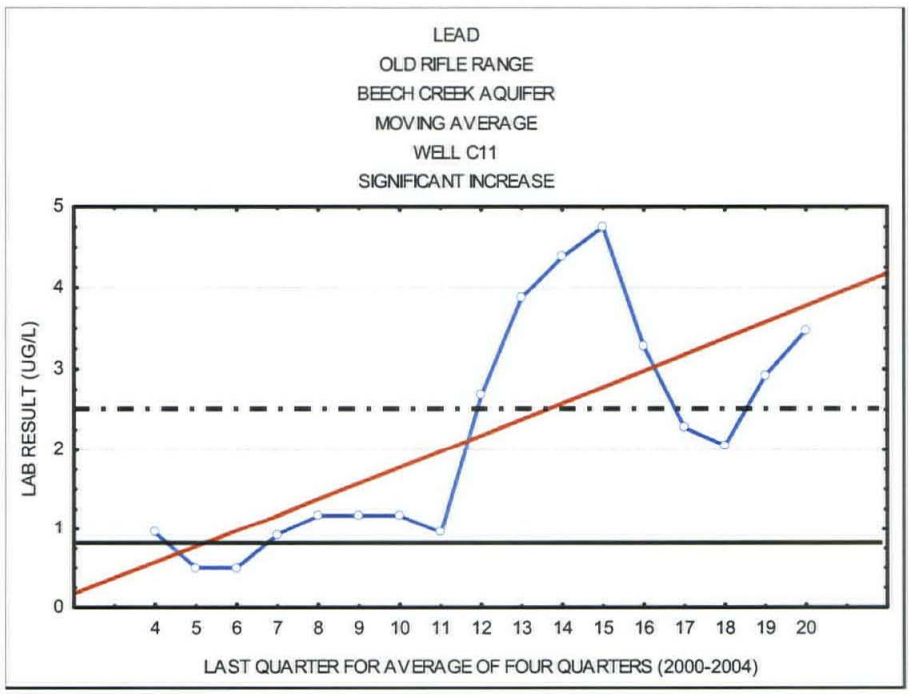


Figure 7.75.

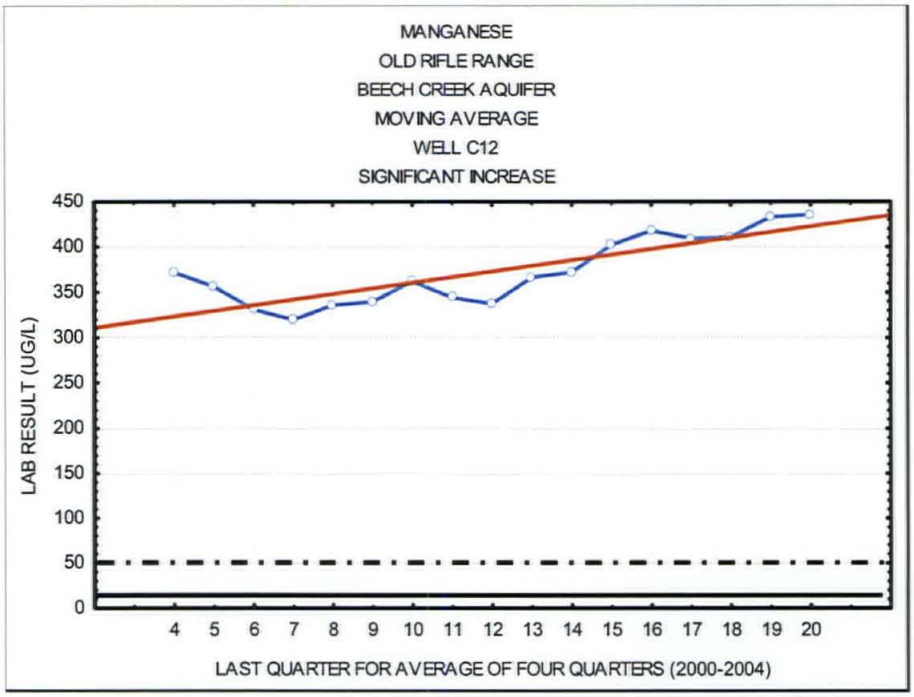


Figure 7.76.

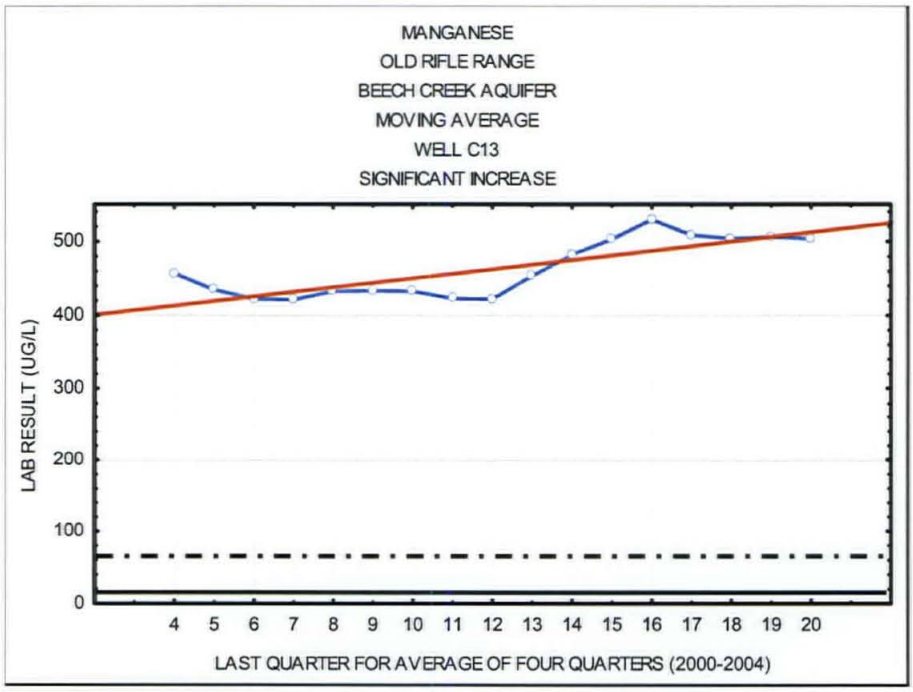


Figure 7.77.

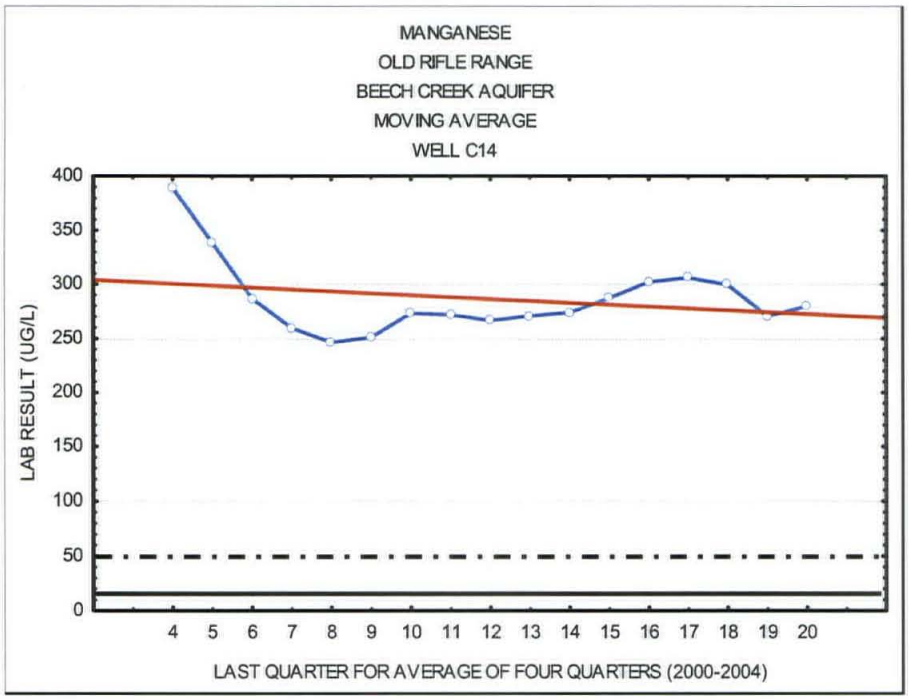


Figure 7.78.

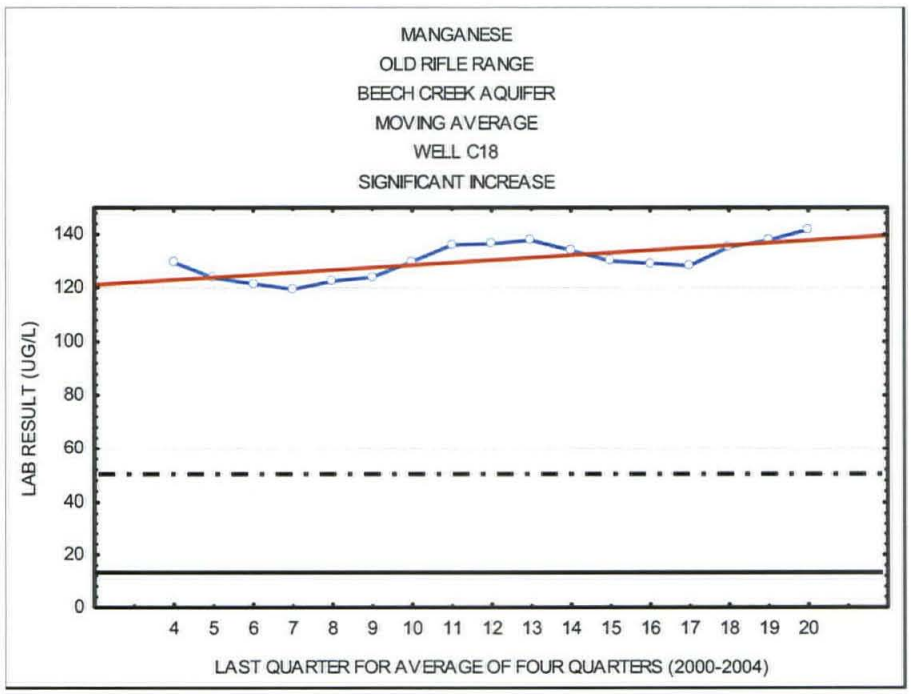


Figure 7.79.

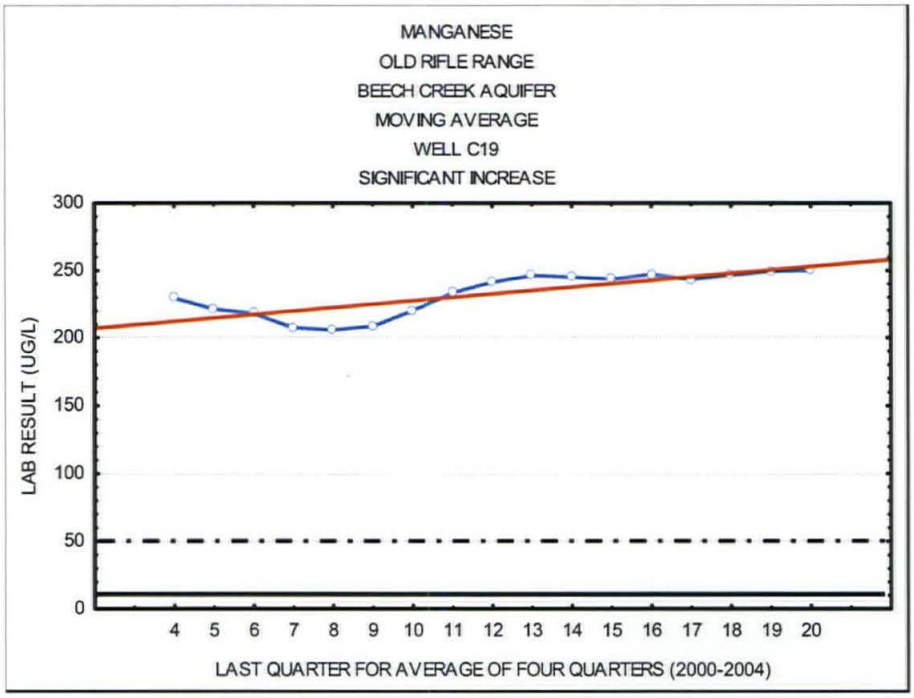


Figure 7.80.

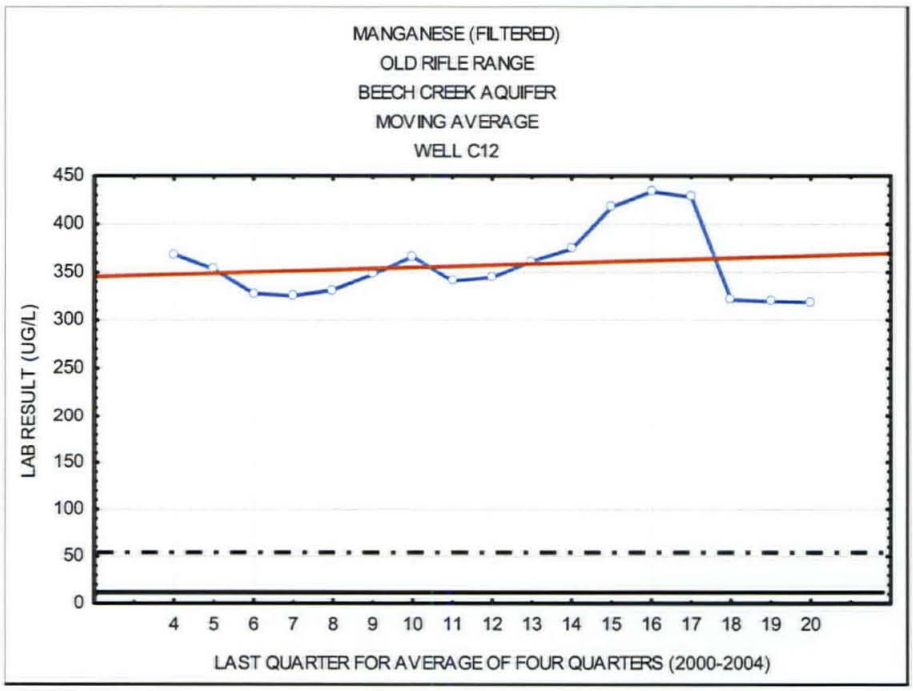


Figure 7.81.

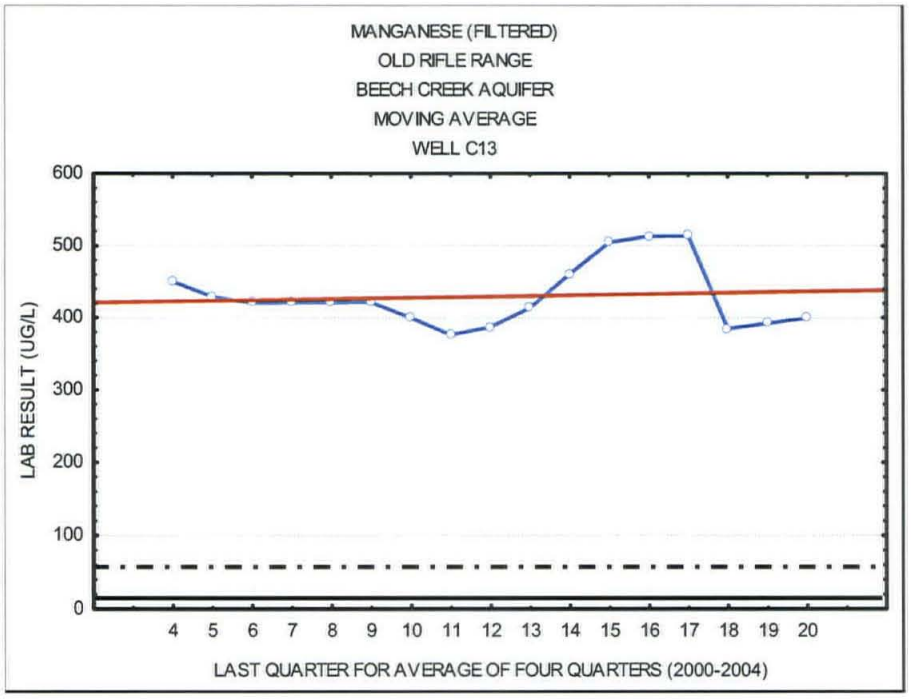


Figure 7.82.

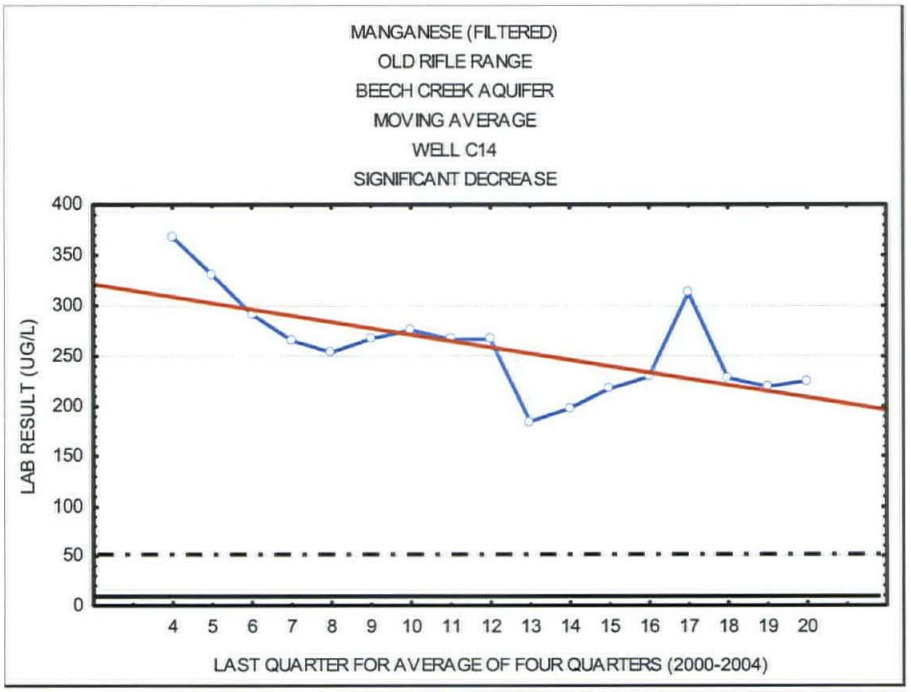


Figure 7.83.

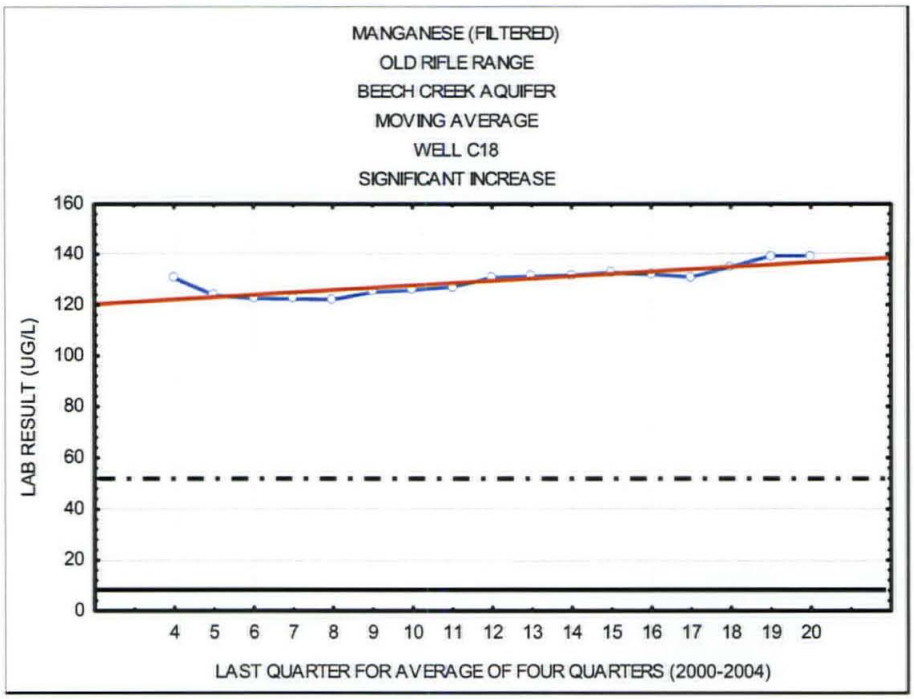
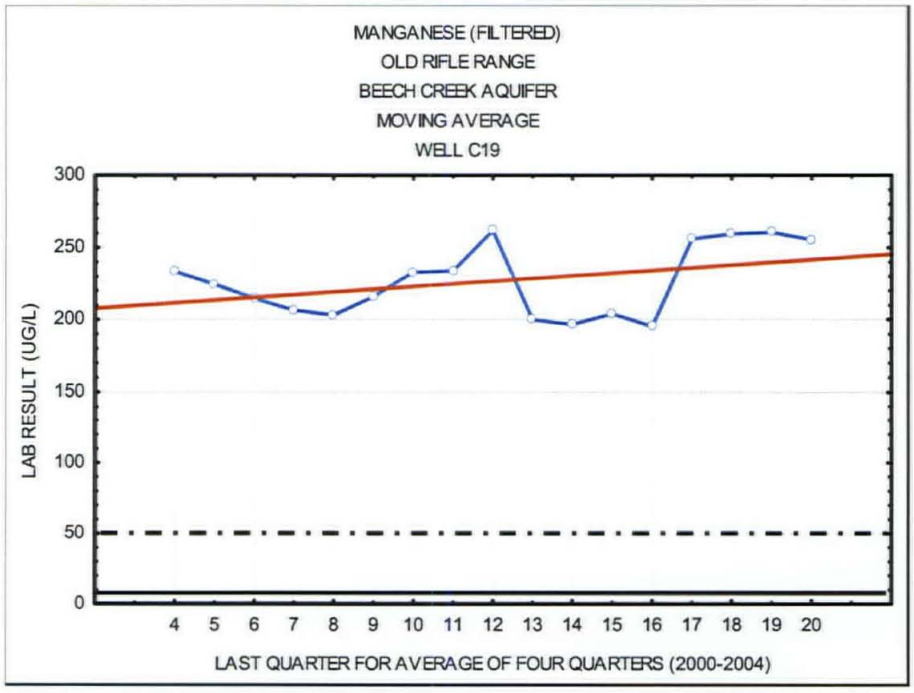


Figure 7.84.



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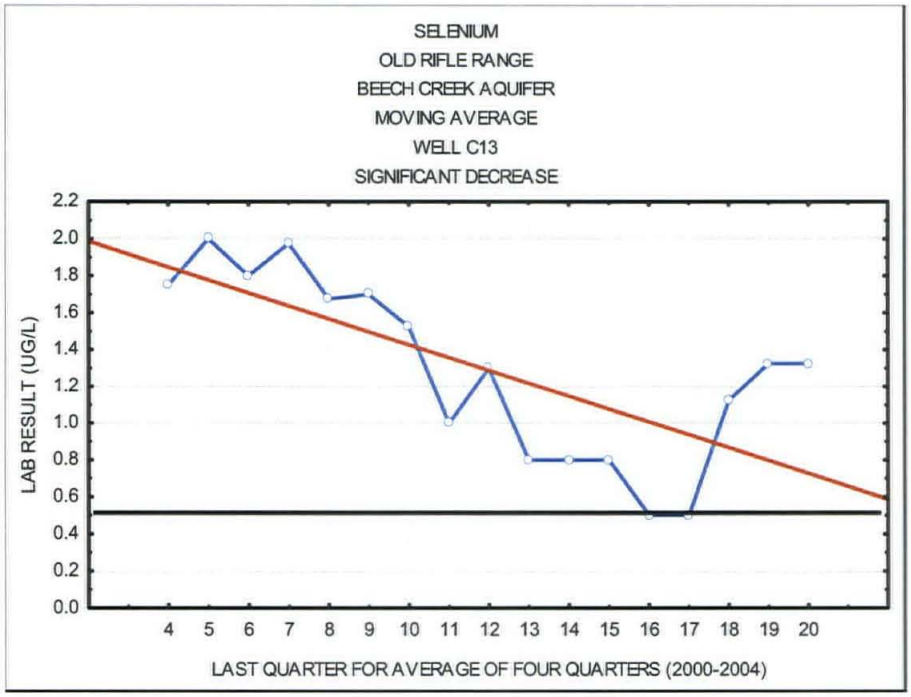


Figure 7.86.

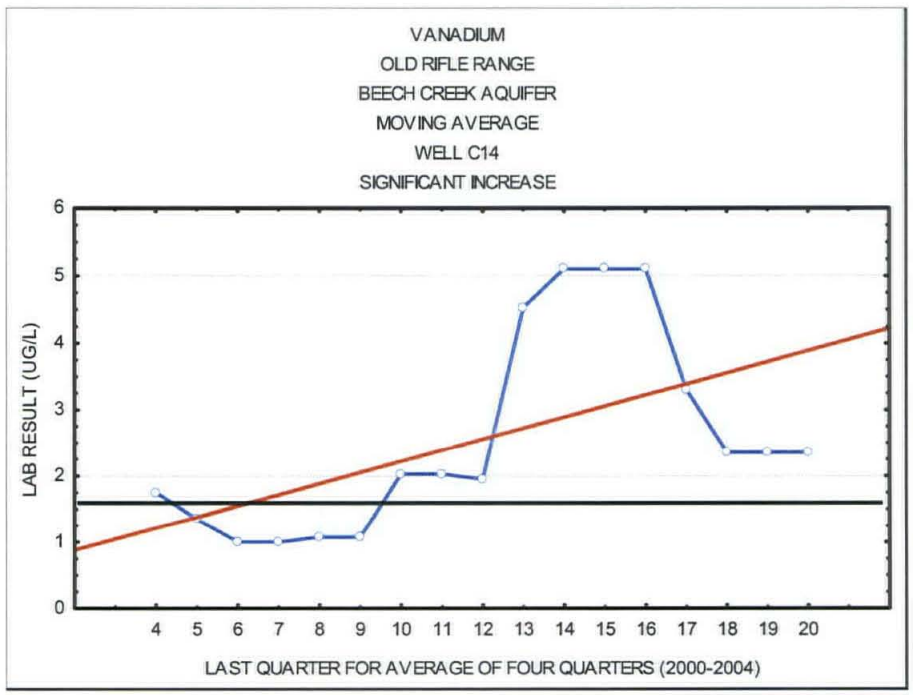


Figure 7.87.

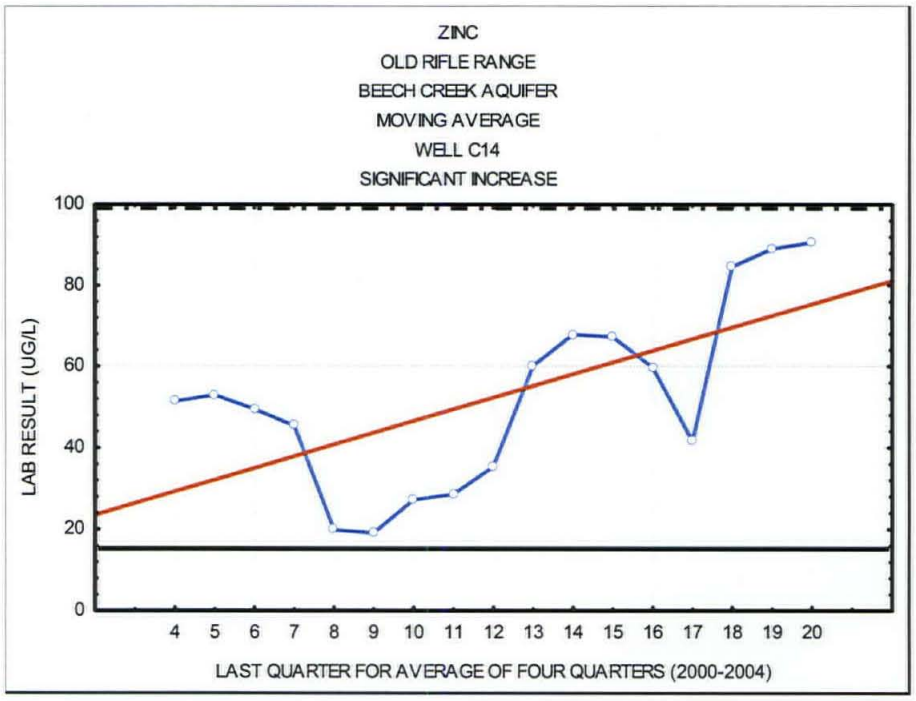

ZINC
OLD RIFLE RANGE
BEECH CREEK AQUIFER
MOVING AVERAGE
WELL C14
SIGNIFICANT INCREASE
LAB RESULT (UG/L)
100
80
60
40
20
0
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
LAST QUARTER FOR AVERAGE OF FOUR QUARTERS (2000-2004)

Figure 7.88.

MISCELLANEOUS PARAMETERS
OLD RIFLE RANGE BEECH CREEK AQUIFER

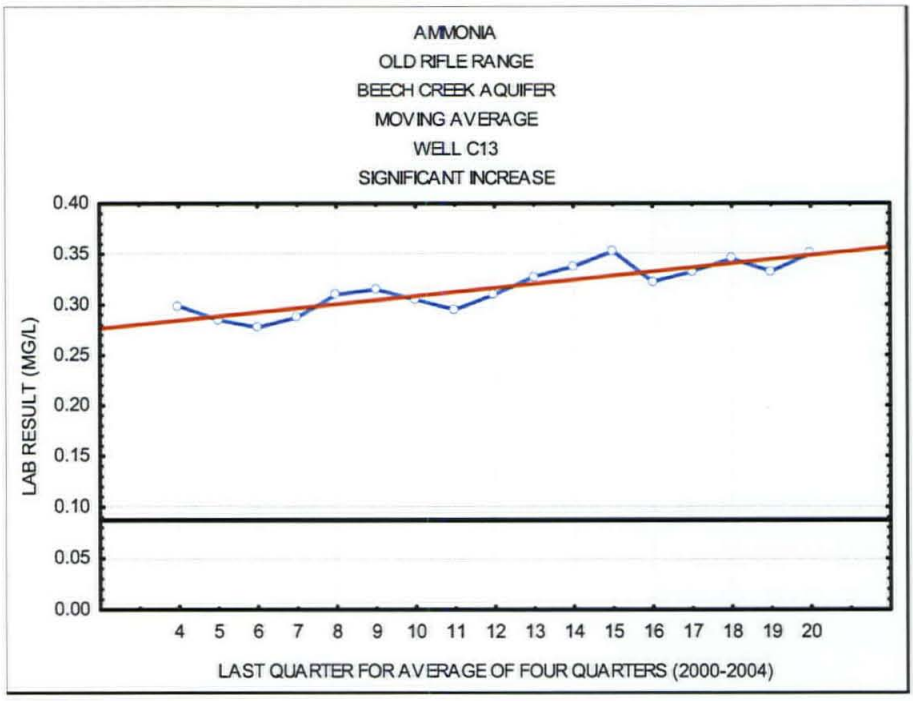


Figure 7.89.

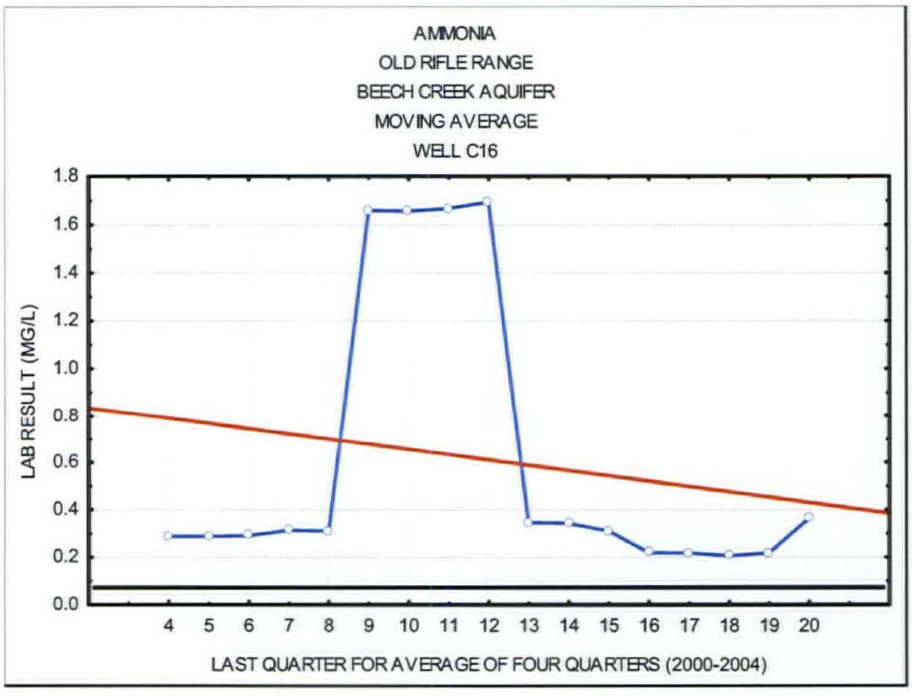


Figure 7.90.

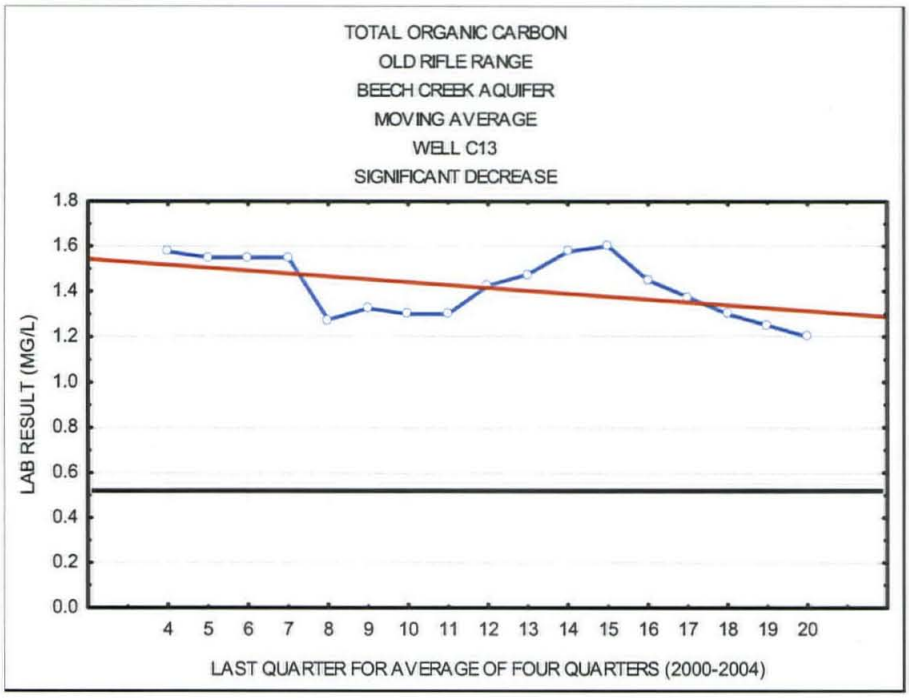

TOTAL ORGANIC CARBON
OLD RIFLE RANGE
BEECH CREEK AQUIFER
MOVING AVERAGE
WELL C13
SIGNIFICANT DECREASE
LAB RESULT (MG/L)
1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
LAST QUARTER FOR AVERAGE OF FOUR QUARTERS (2000-2004)

Figure 7.91.

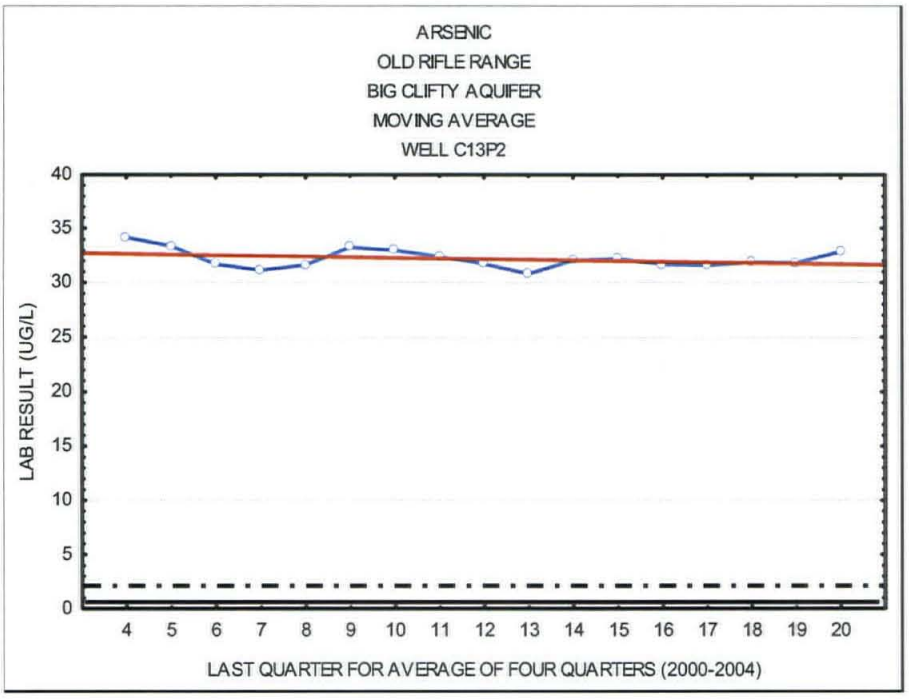


Figure 7.92.

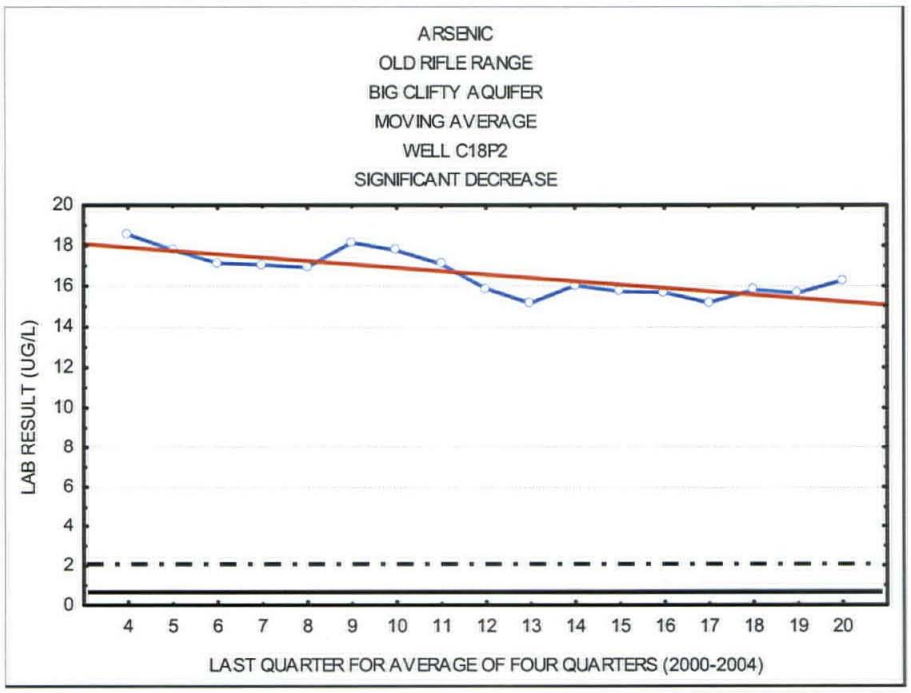


Figure 7.93.

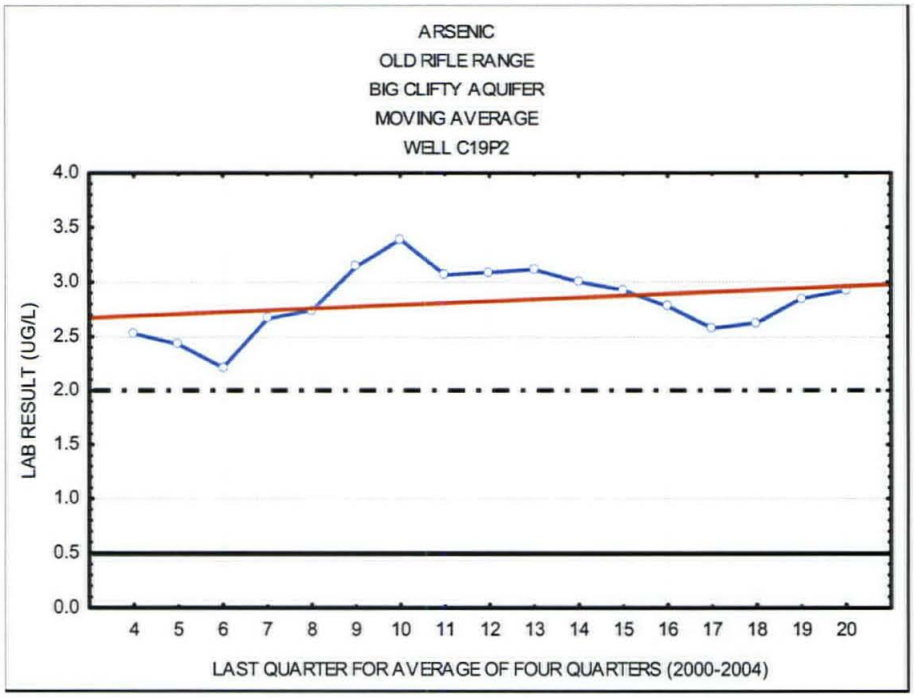


Figure 7.94.

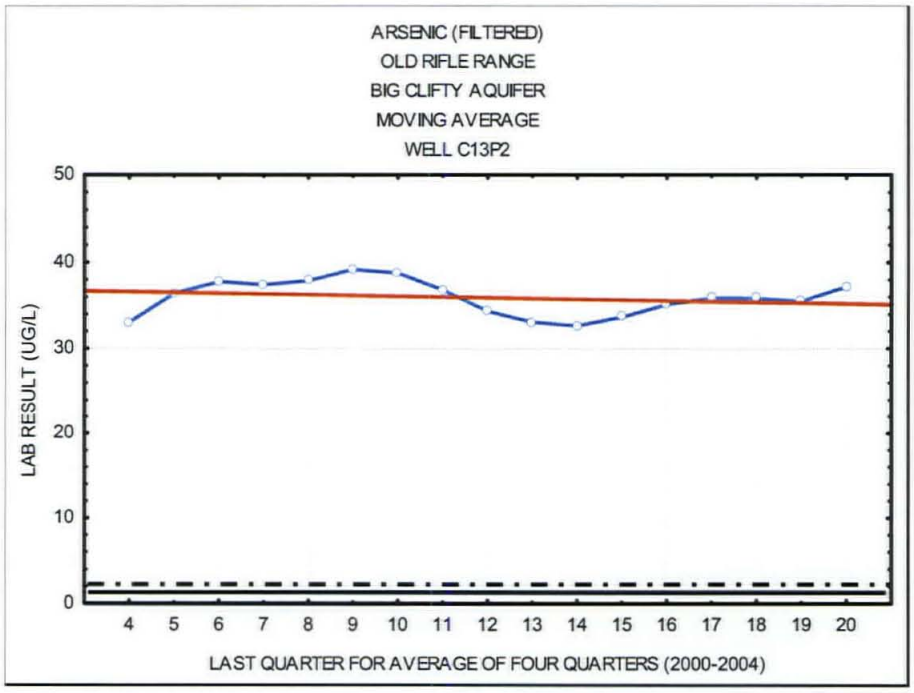


Figure 7.95.

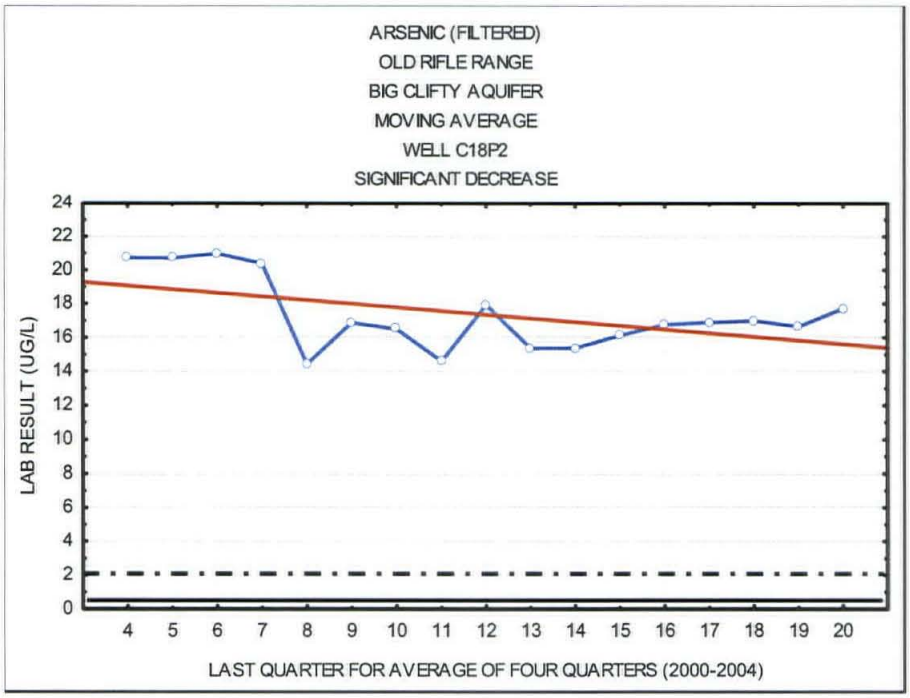


Figure 7.96.

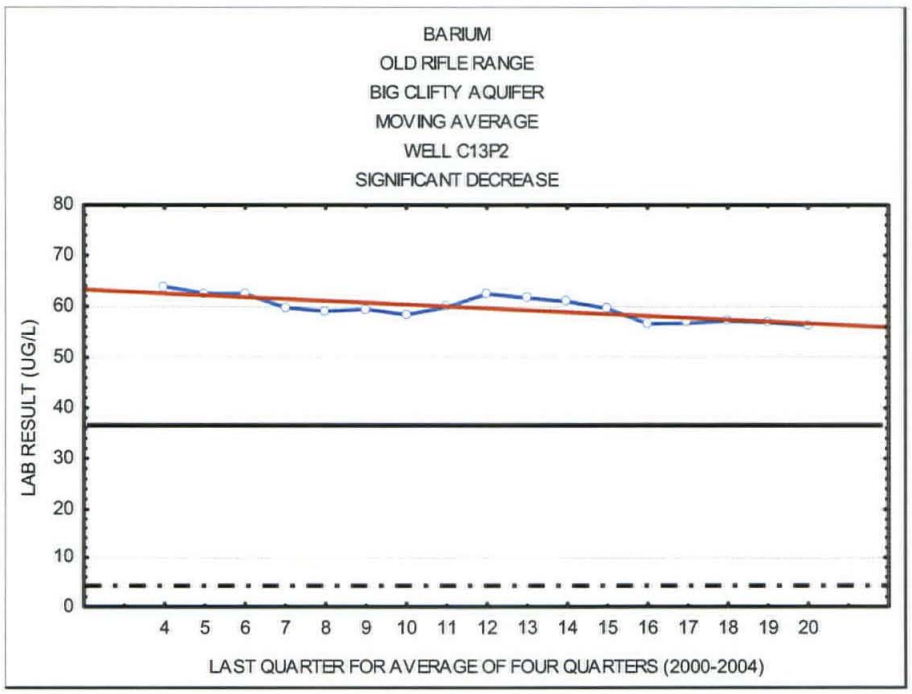
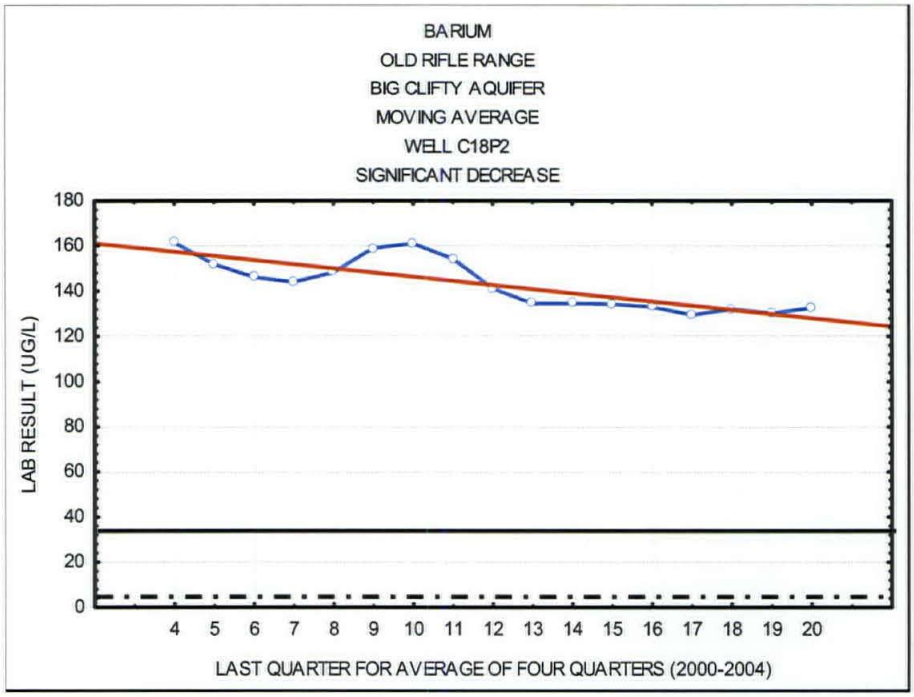


Figure 7.97.



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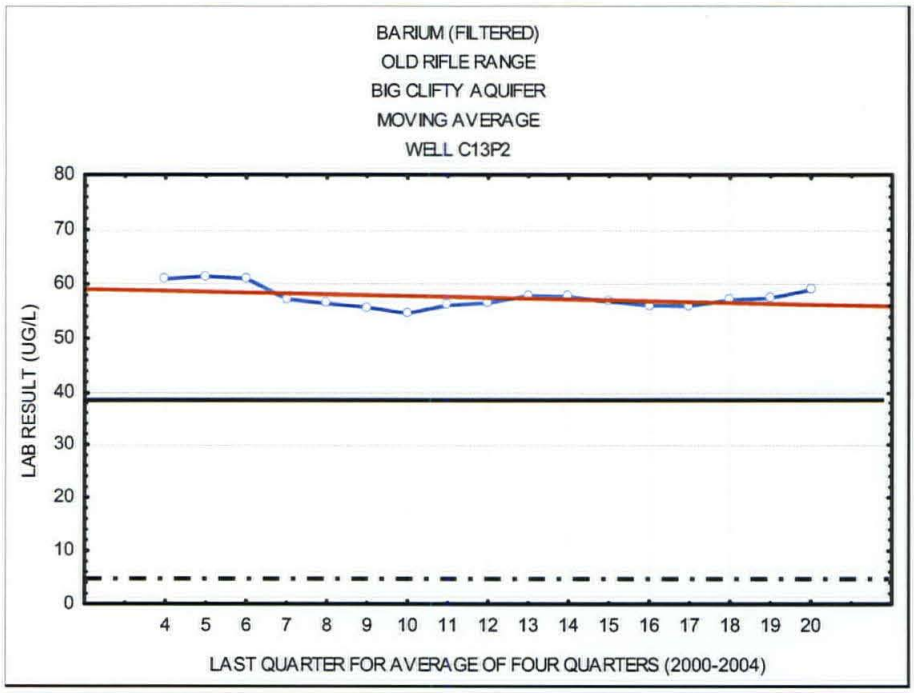

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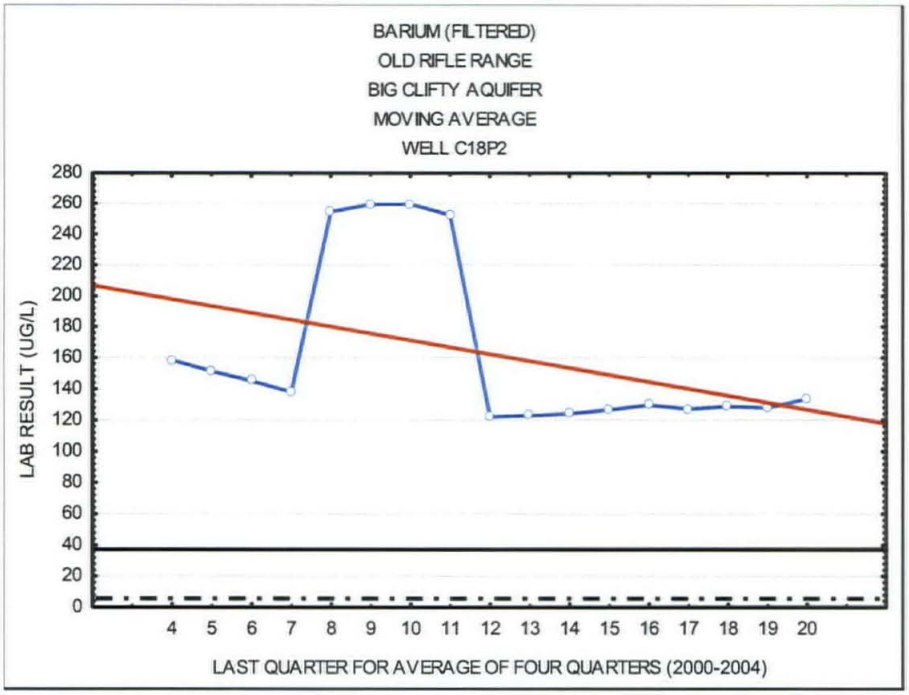


Figure 7.100.

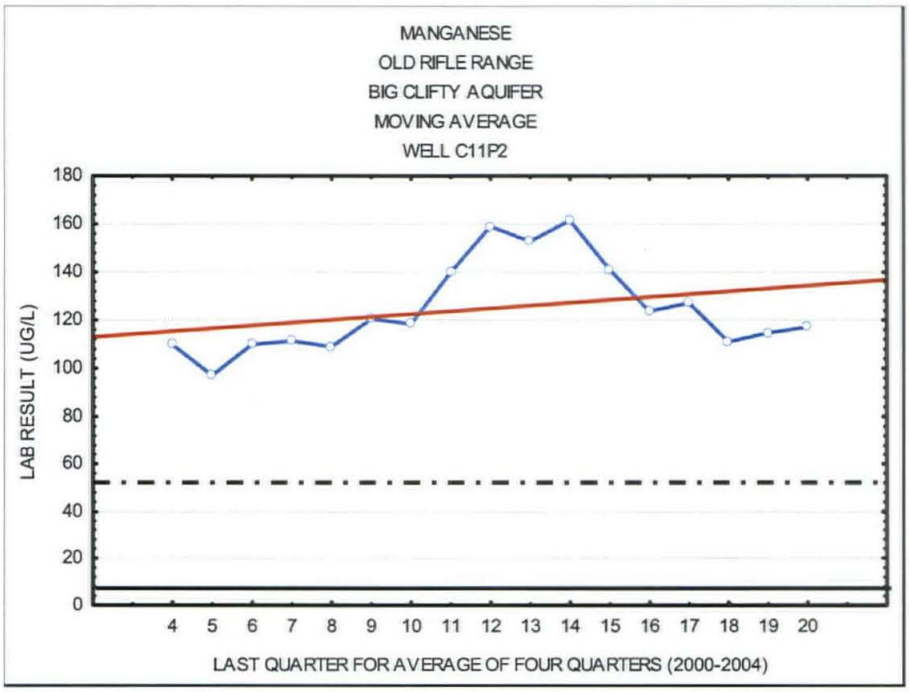


Figure 7.101.

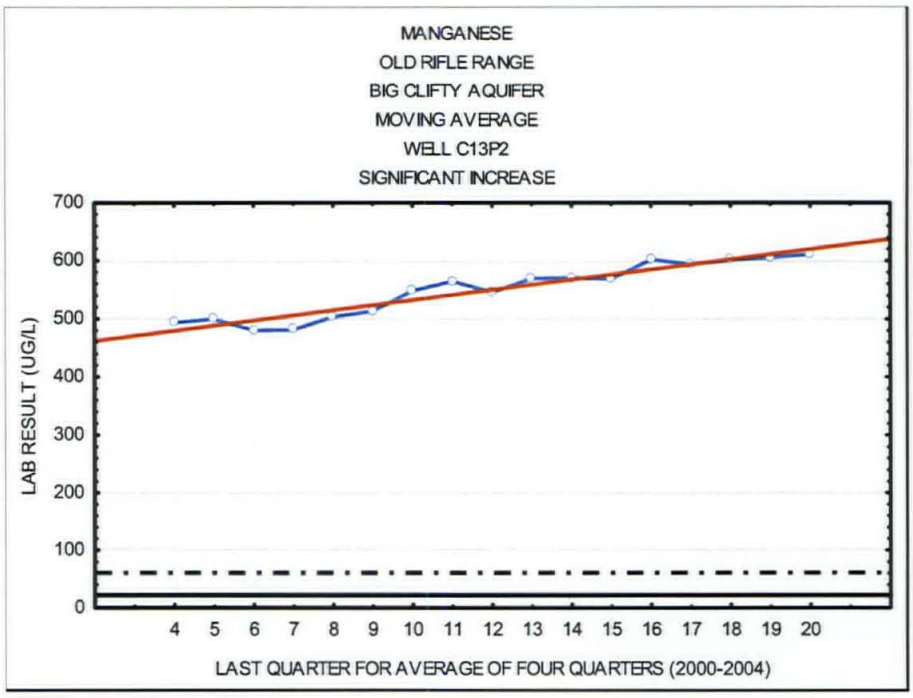


Figure 7.102.

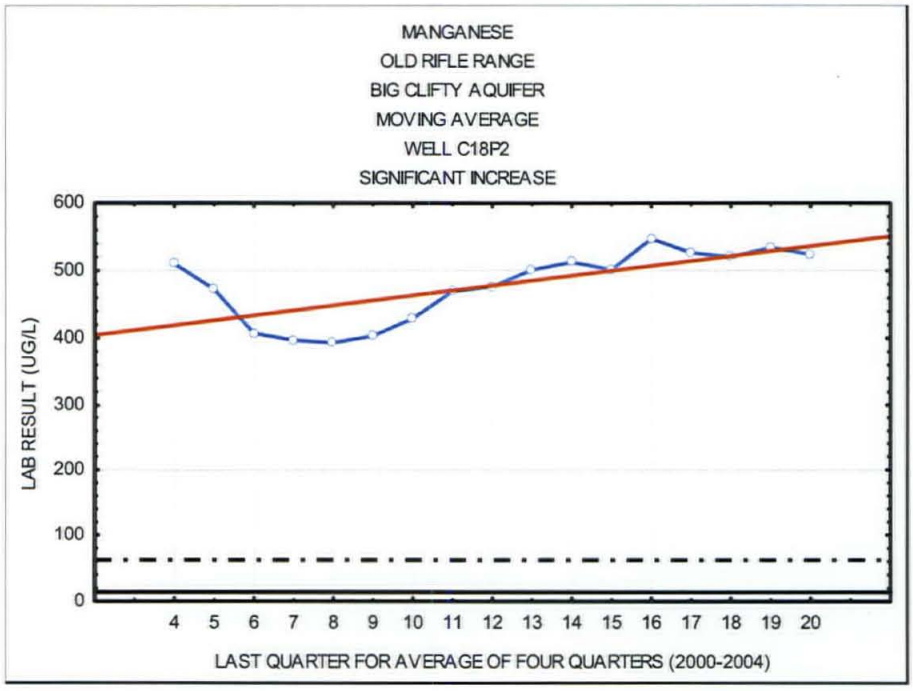


Figure 7.103.

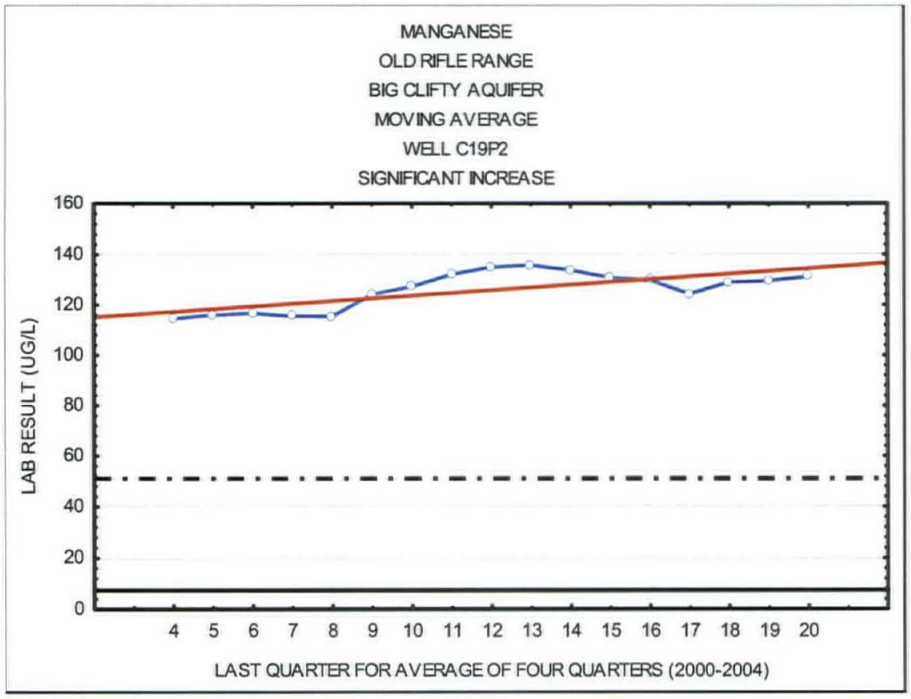


Figure 7.104.

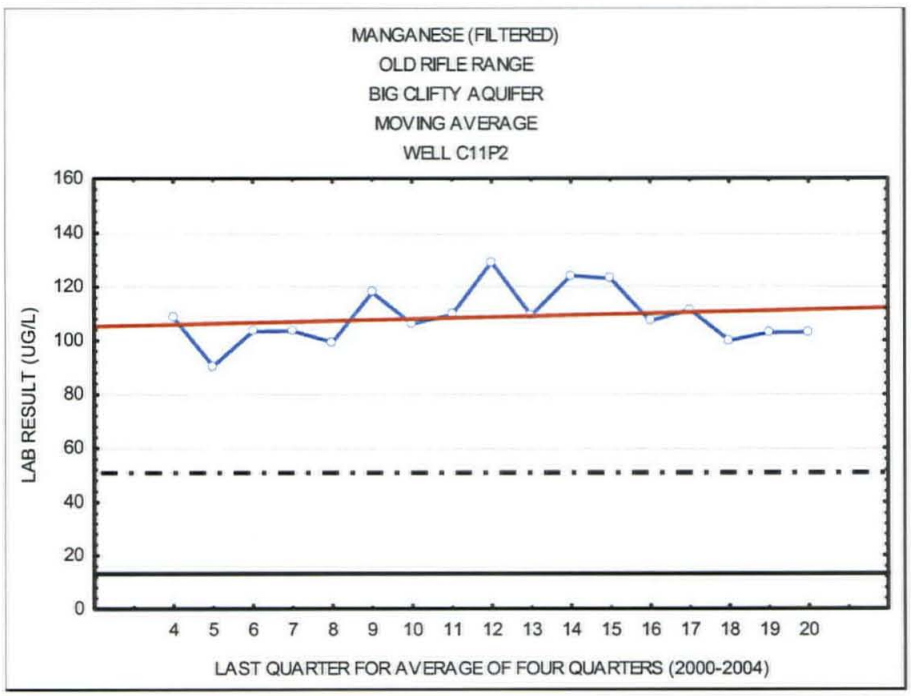


Figure 7.105.

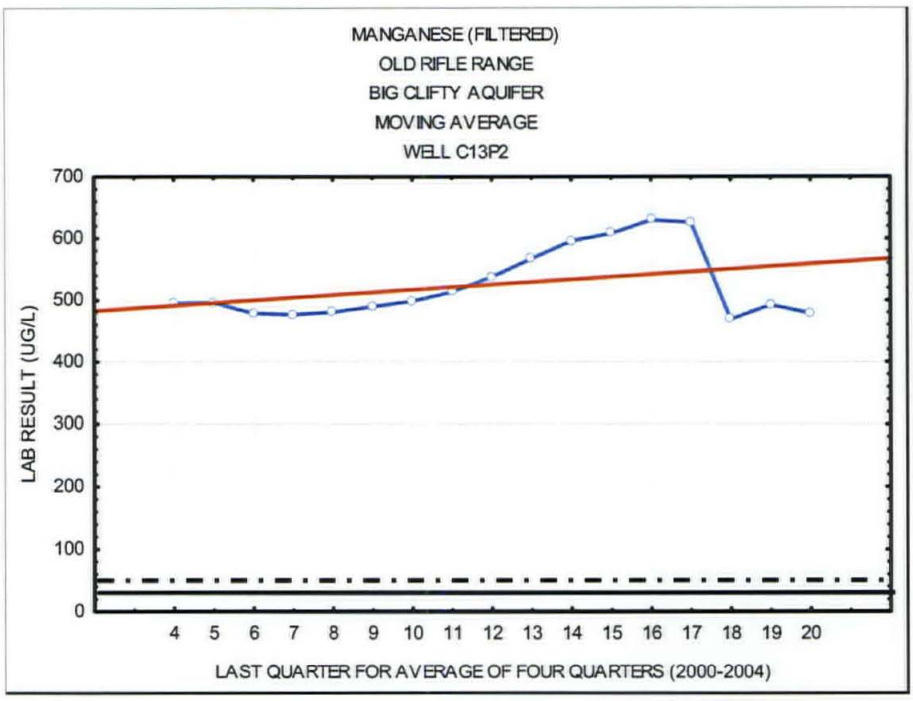


Figure 7.106.

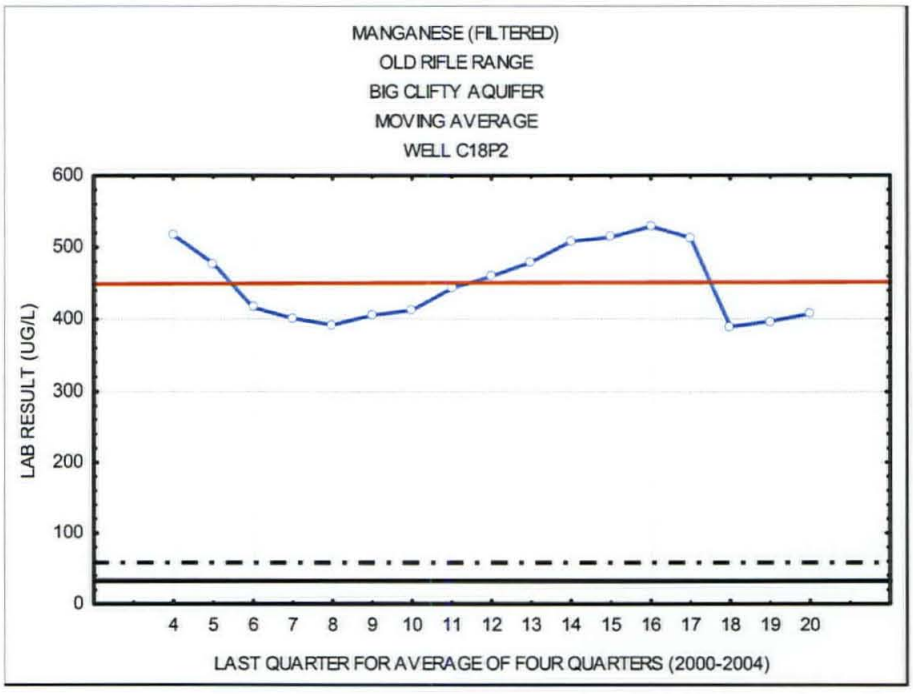


Figure 7.107.

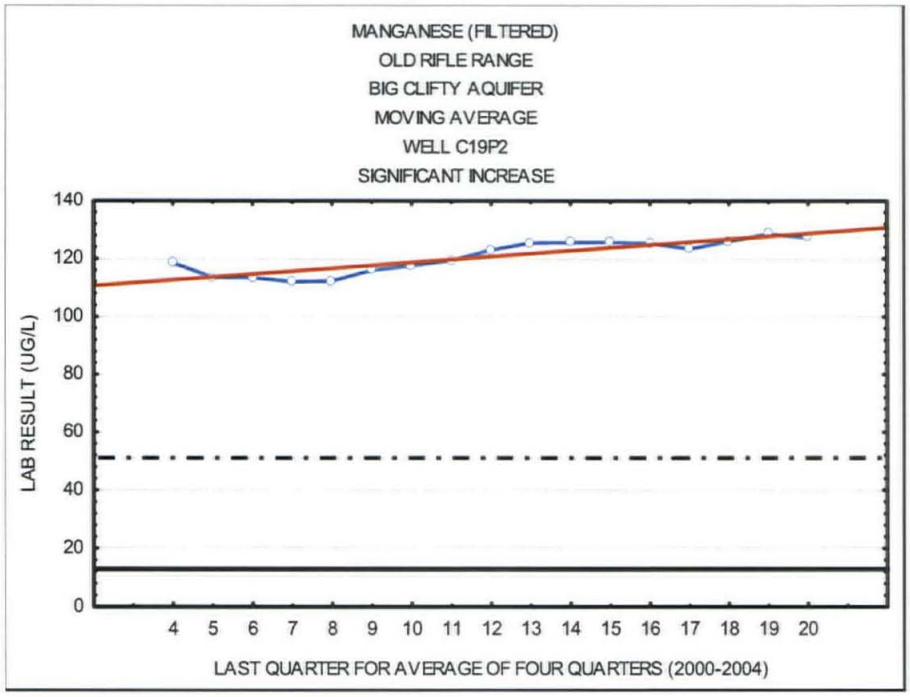


Figure 7.108.

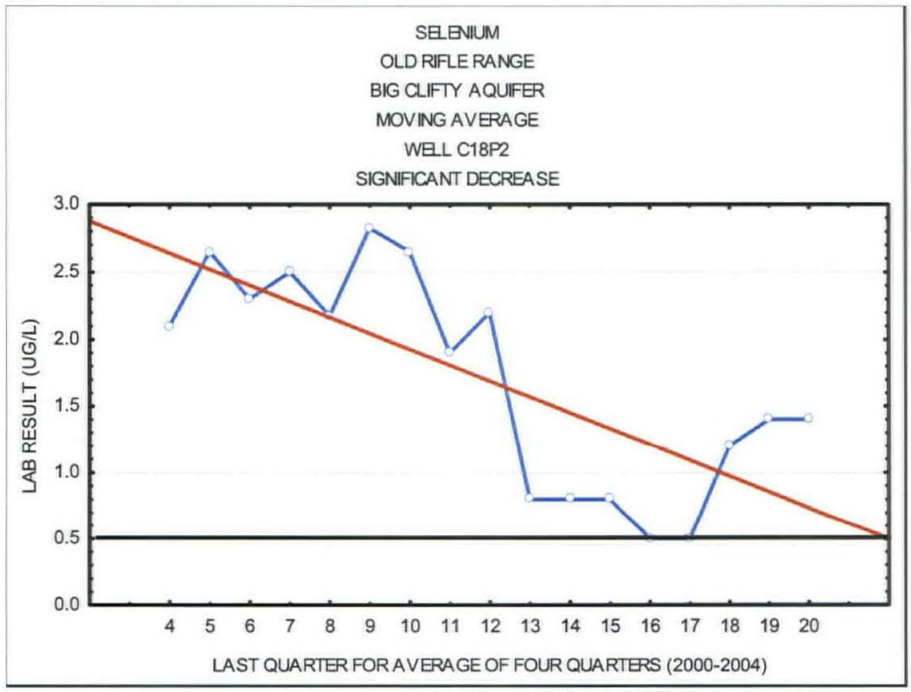


Figure 7.109.

MISCELLANEOUS PARAMETERS
OLD RIFLE RANGE BIG CLIFTY AQUIFER

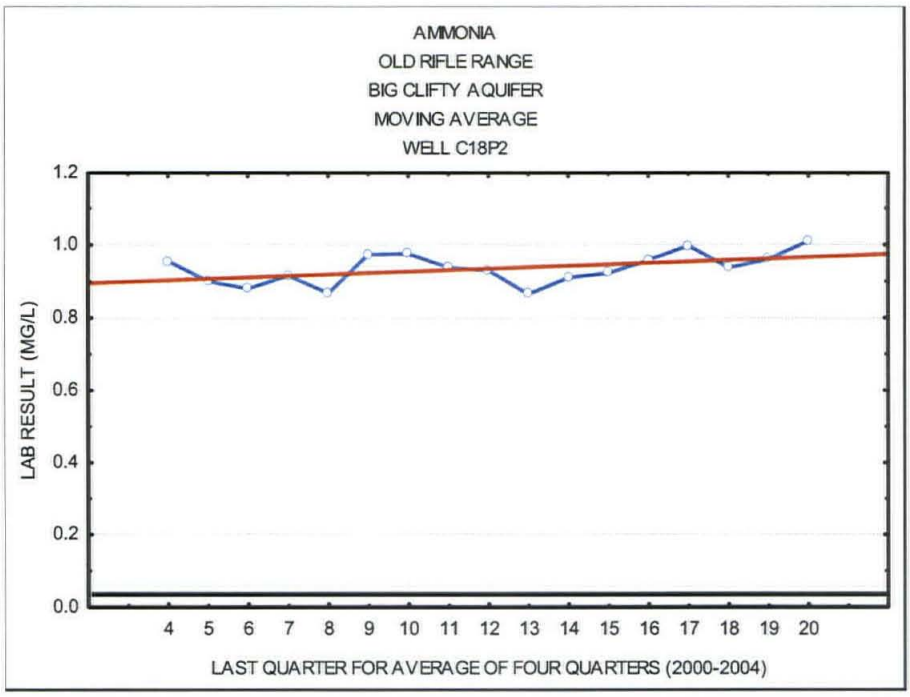


Figure 7.110.

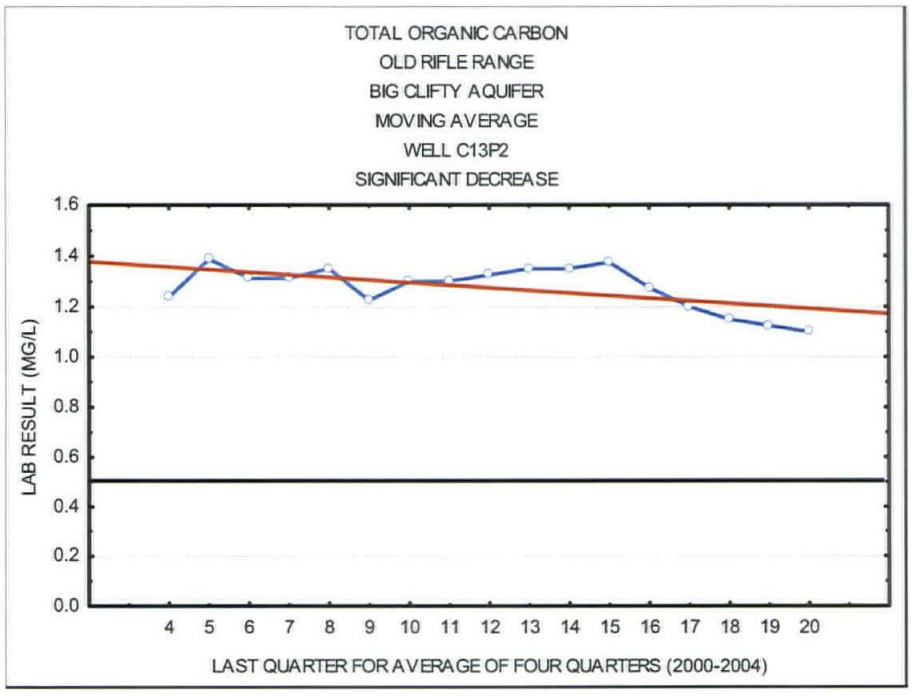


Figure 7.111.

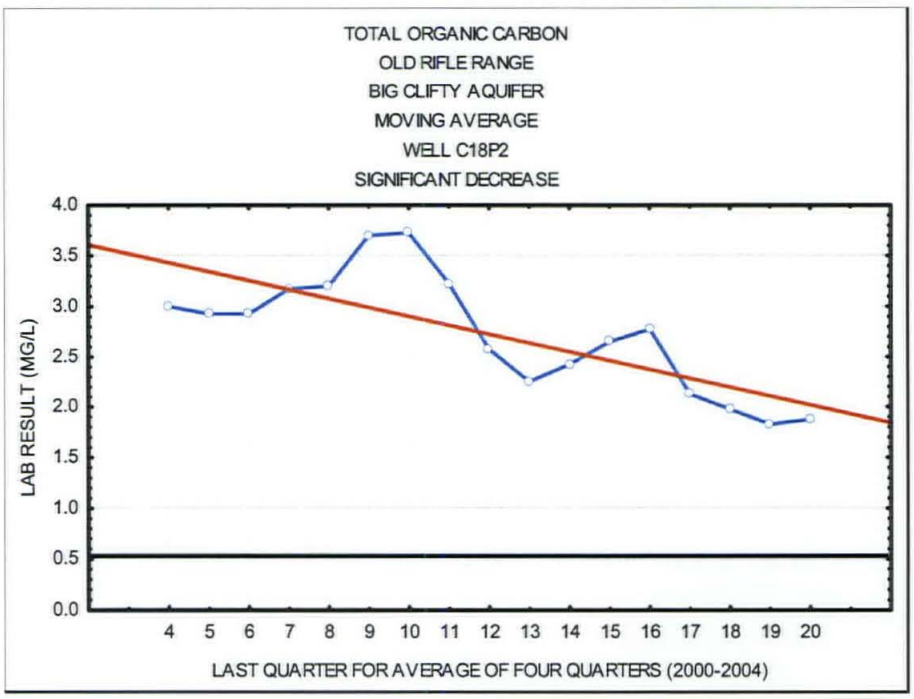

TOTAL ORGANIC CARBON
OLD RIFLE RANGE
BIG CLIFTY AQUIFER
MOVING AVERAGE
WELL C18P2
SIGNIFICANT DECREASE
LAB RESULT (MG/L)
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
LAST QUARTER FOR AVERAGE OF FOUR QUARTERS (2000-2004)

Figure 7.112.

METALS
DEMO RANGE BIG CLIFTY/BEECH CREEK AQUIFER

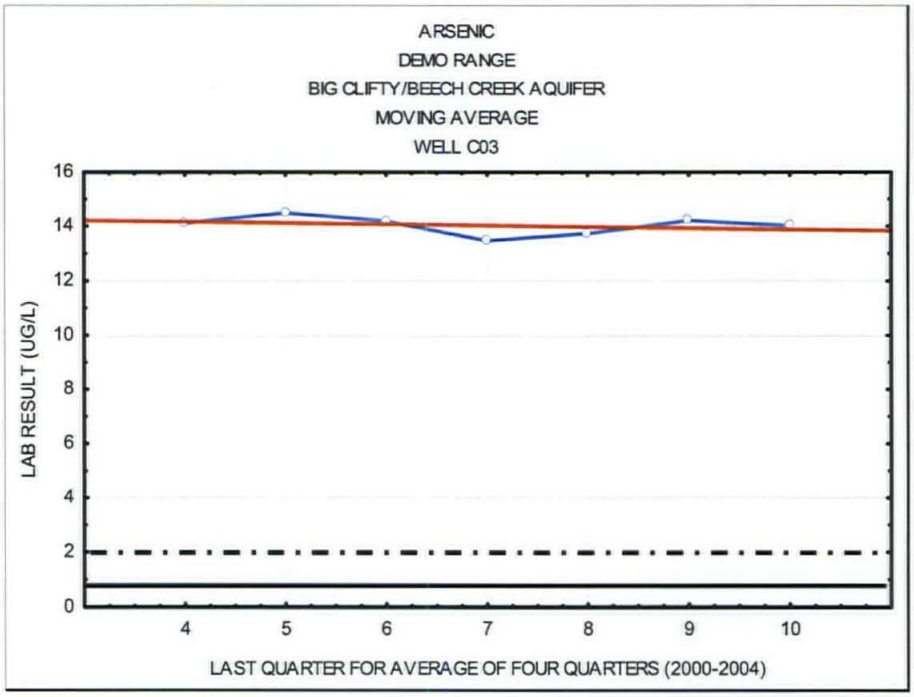


Figure 7.113.

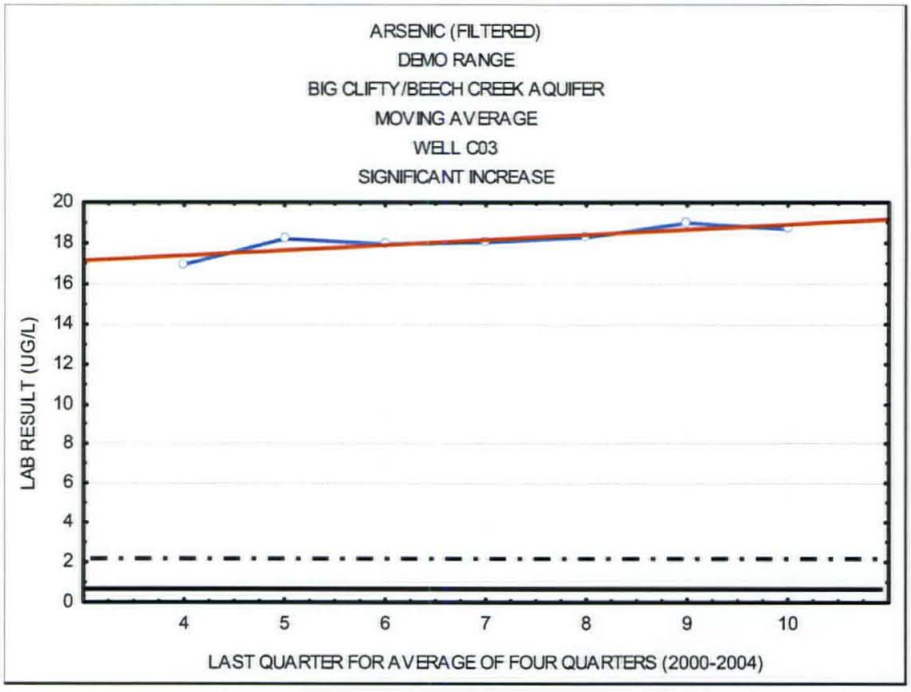


Figure 7.114.

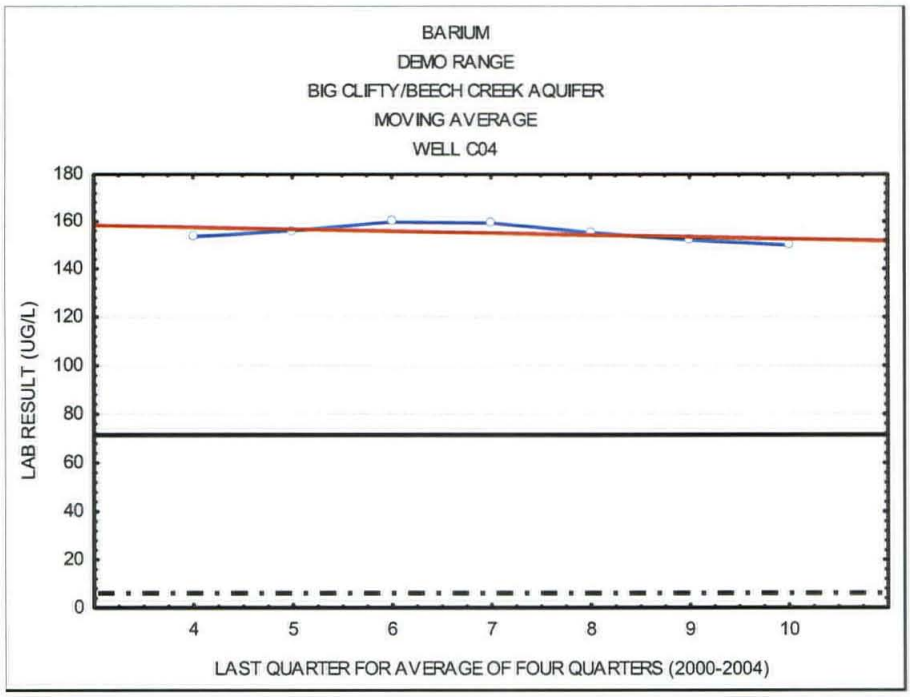


Figure 7.115.

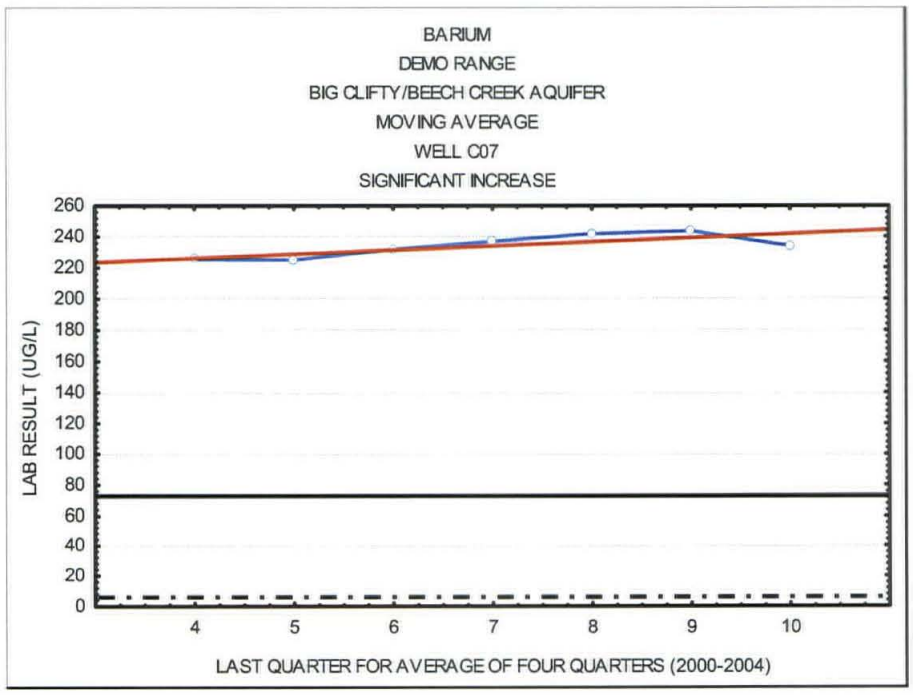


Figure 7.116.

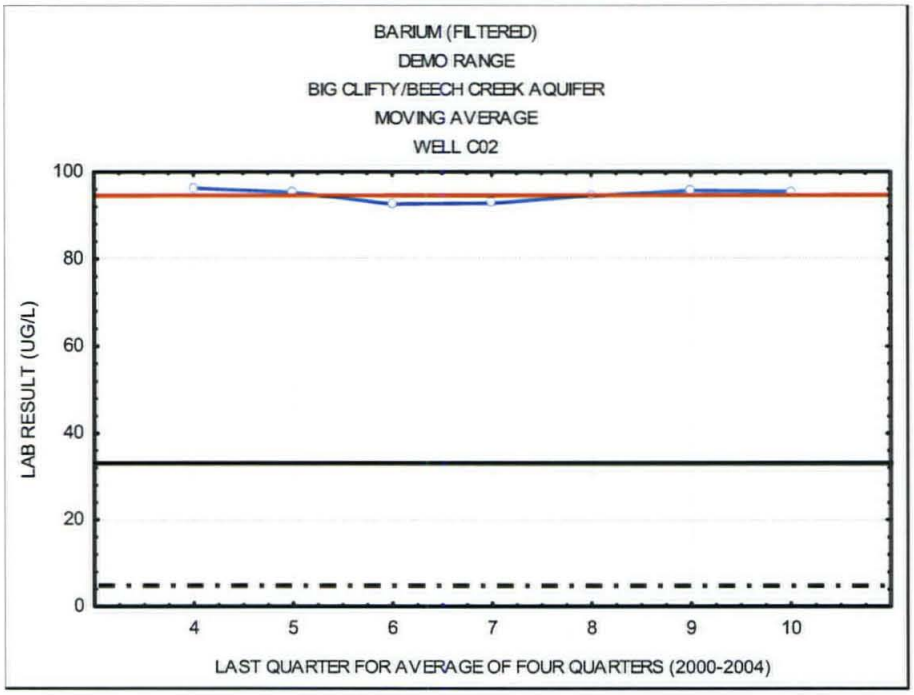


Figure 7.117.

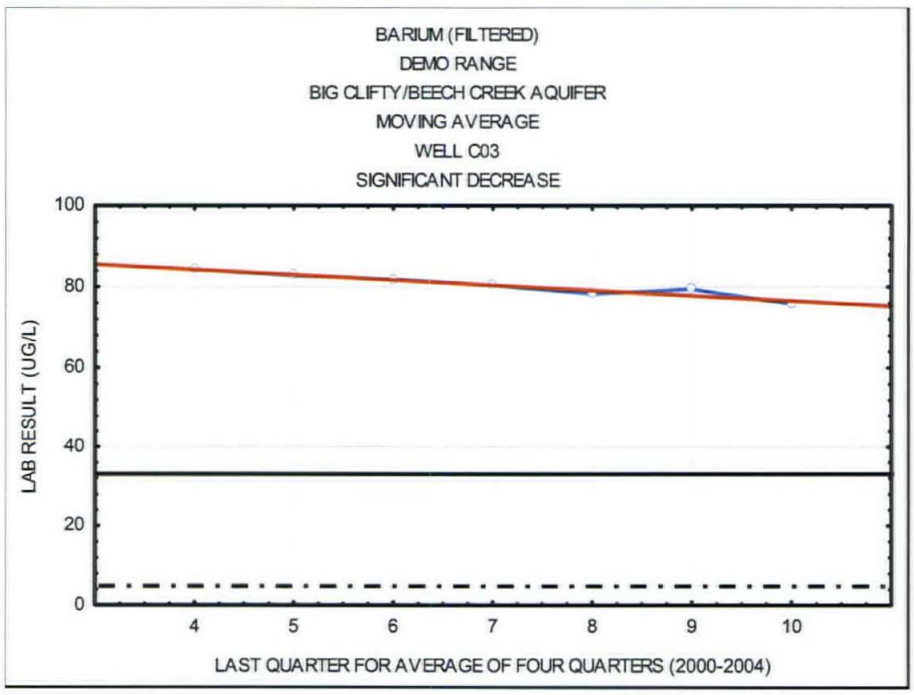


Figure 7.118.

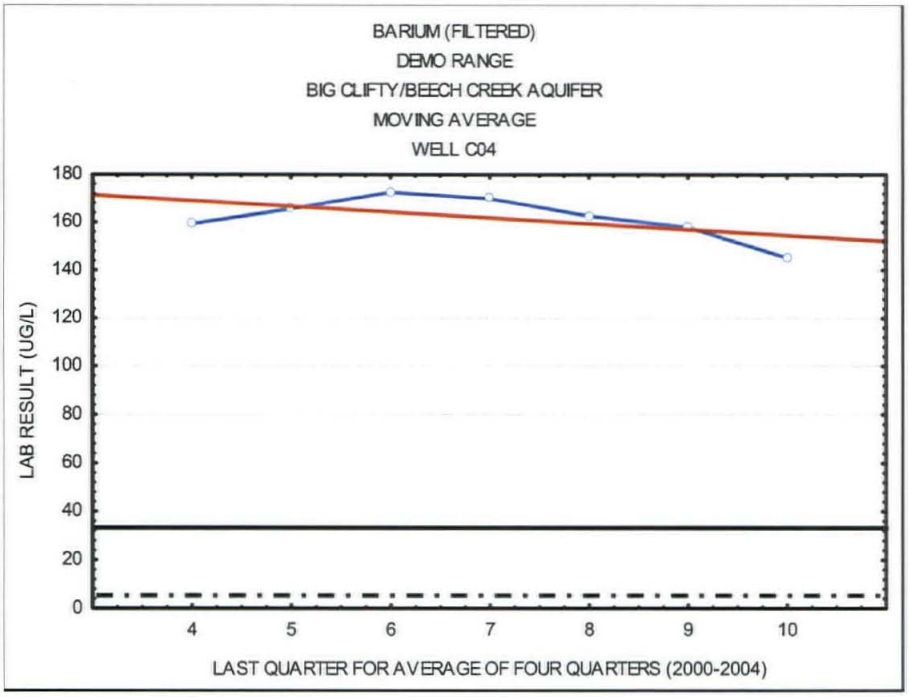


Figure 7.119.

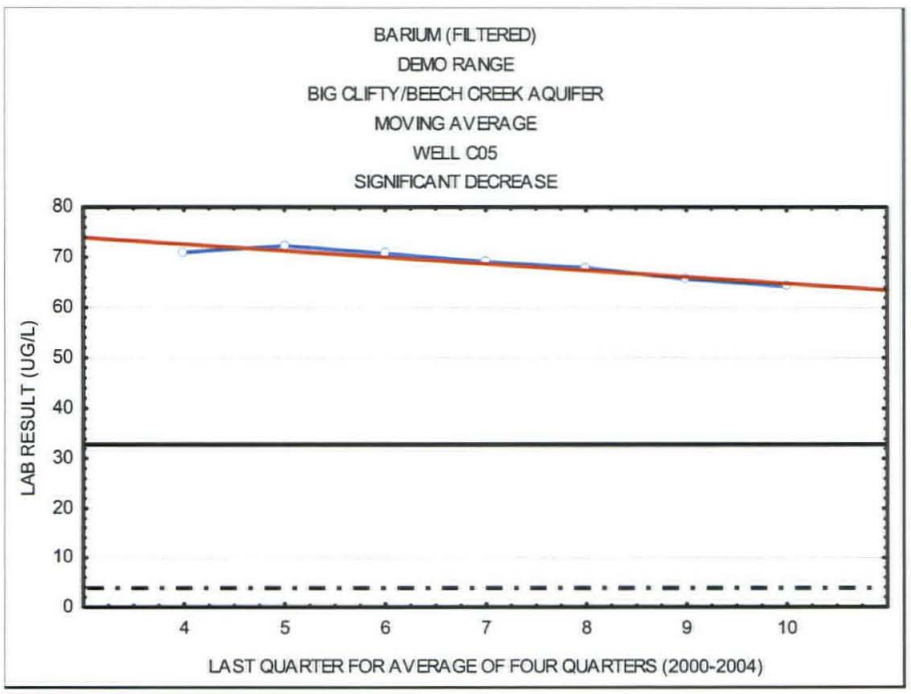


Figure 7.120.

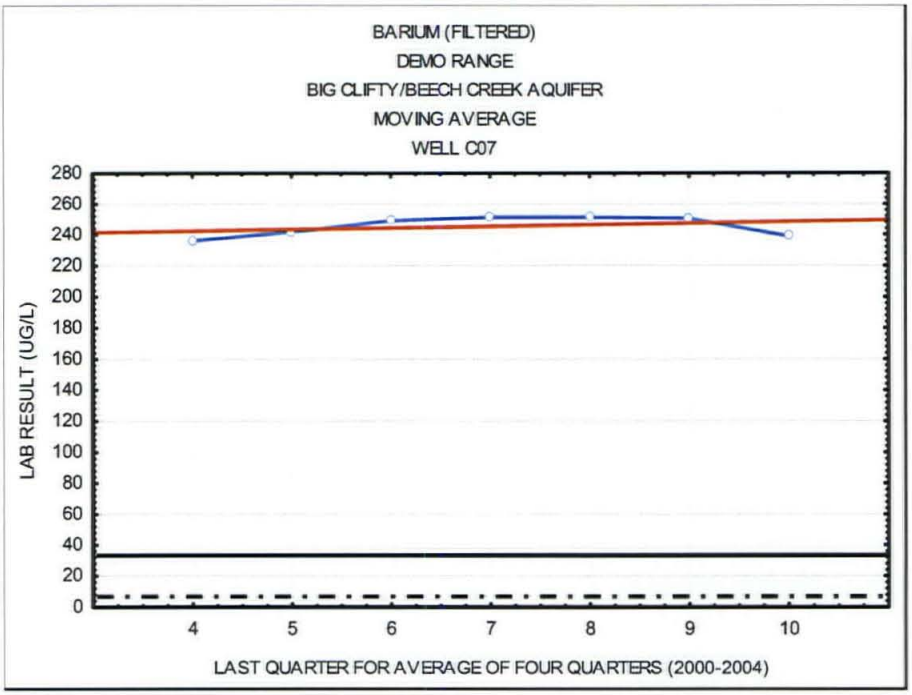


Figure 7.121.

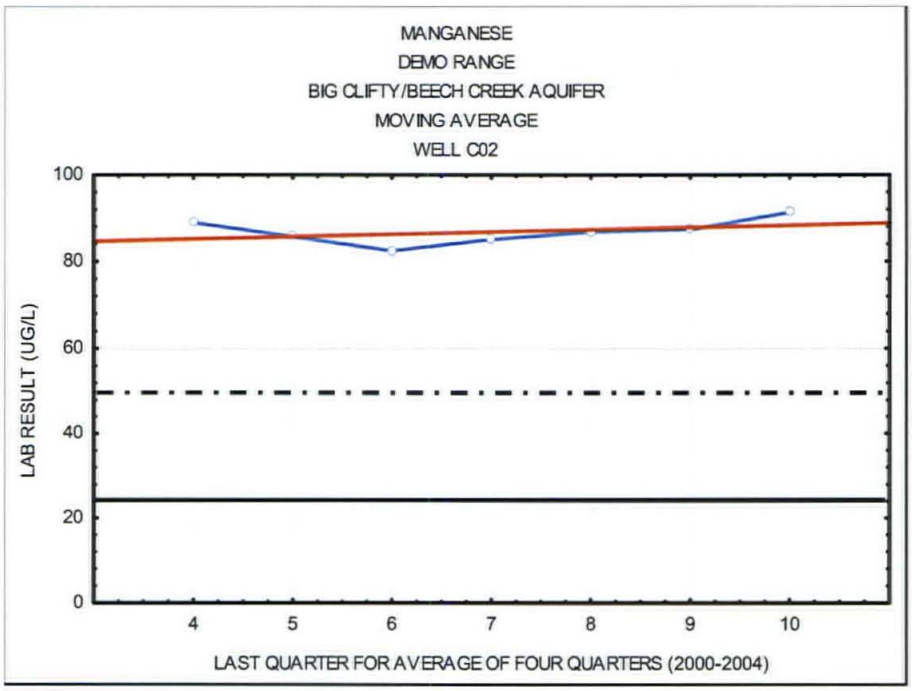


Figure 7.122.

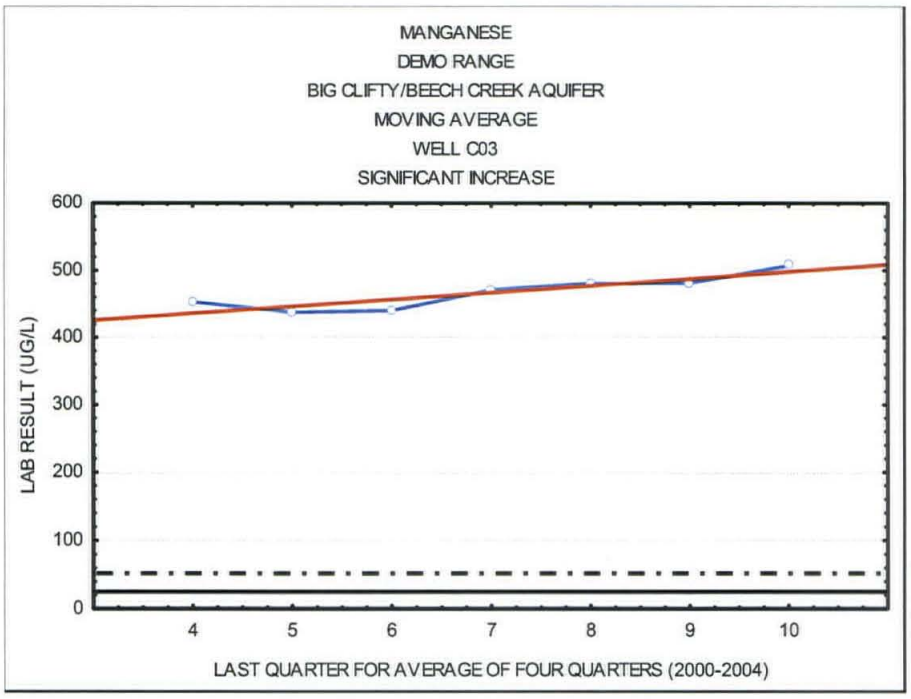


Figure 7.123.

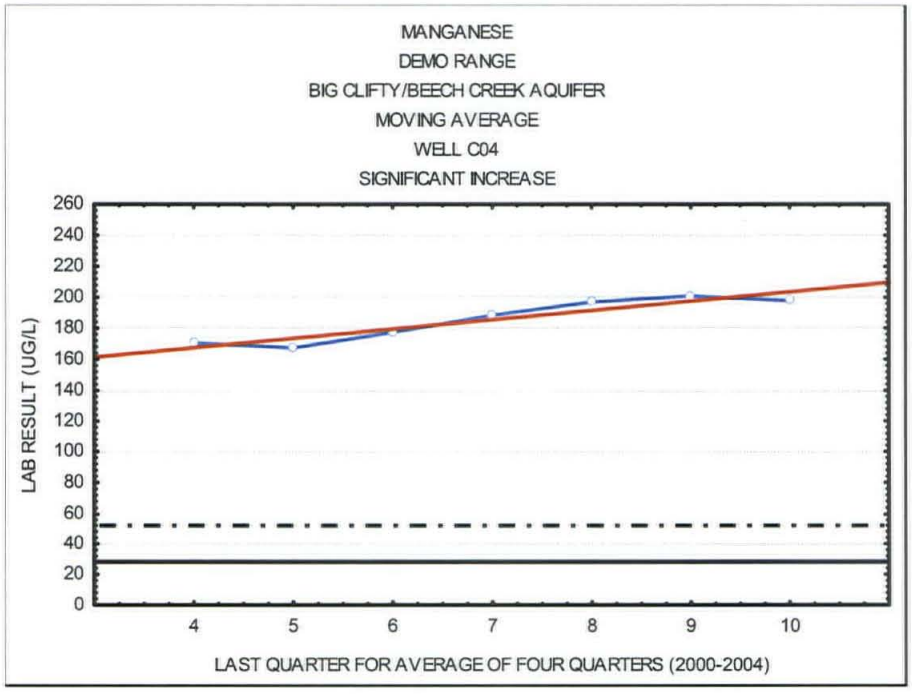


Figure 7.124.

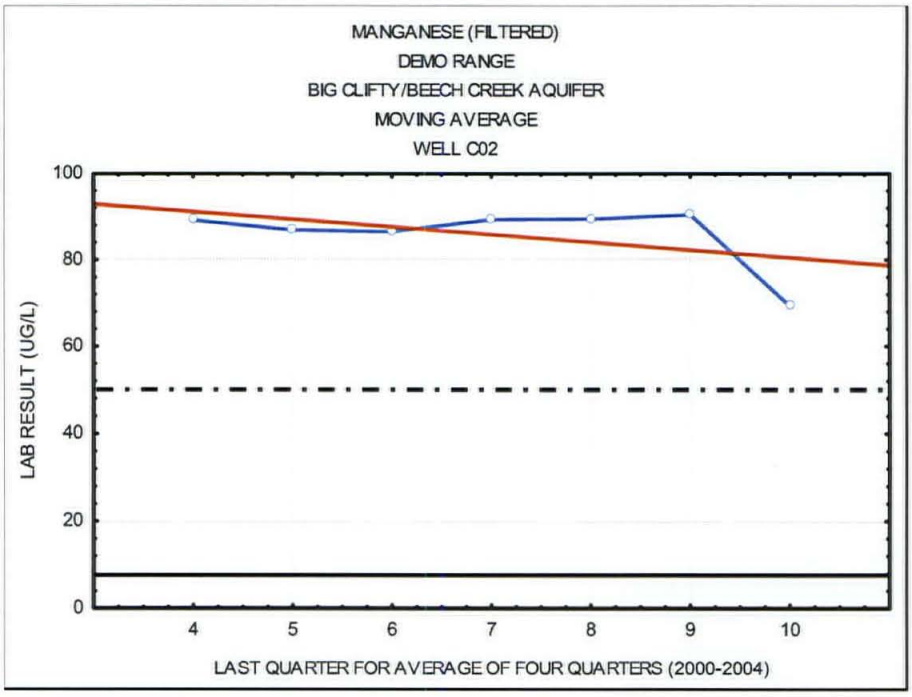


Figure 7.125.

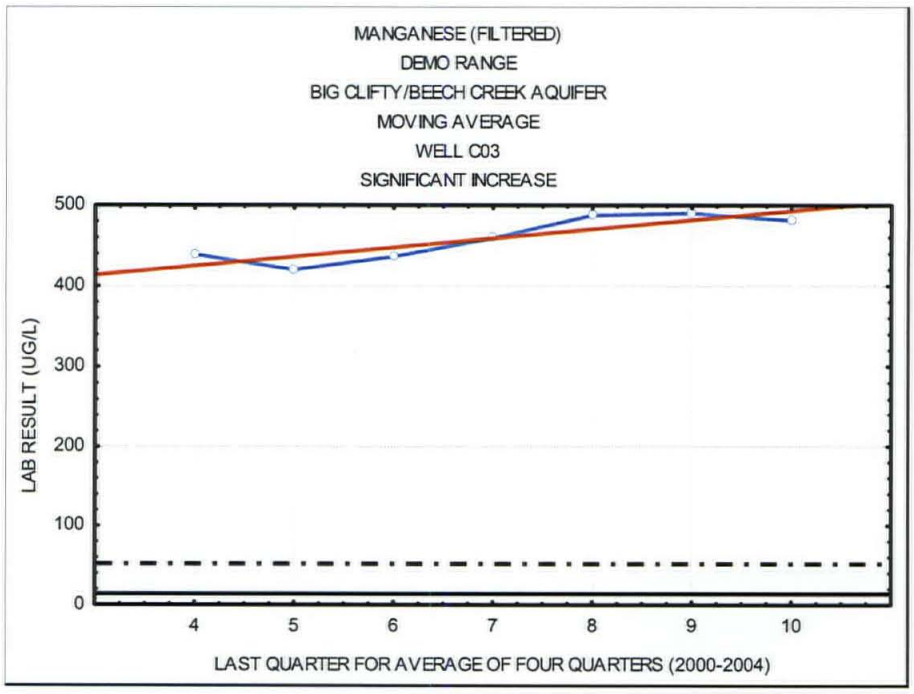


Figure 7.126.

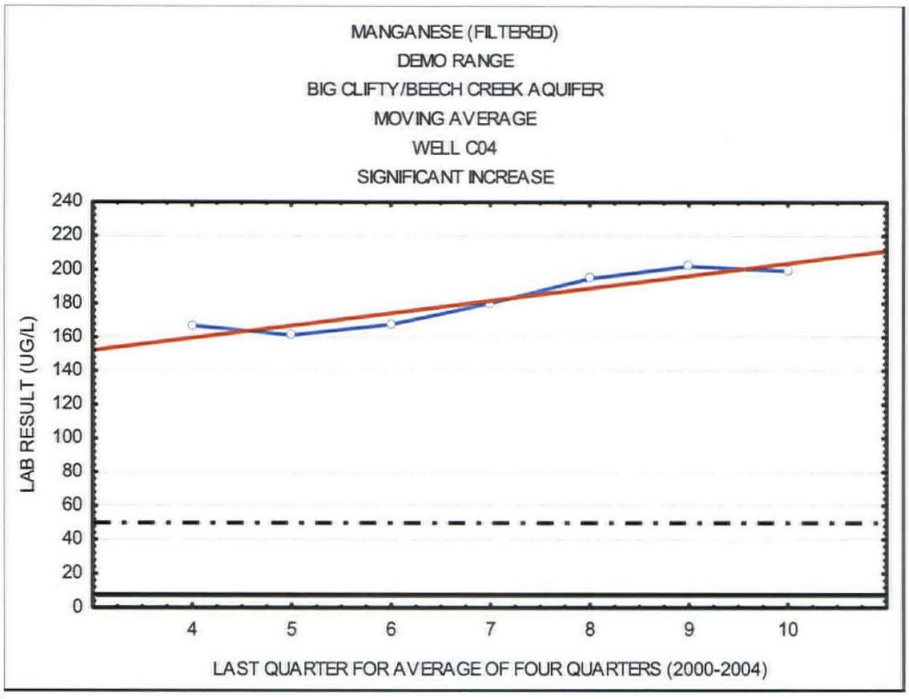

MANGANESE (FILTERED)
DEMO RANGE
BIG CLIFTY/BEECH CREEK AQUIFER
MOVING AVERAGE
WELL C04
SIGNIFICANT INCREASE
LAB RESULT (UG/L)
240
220
200
180
160
140
120
100
80
60
40
20
0
4
5
6
7
8
9
10
LAST QUARTER FOR AVERAGE OF FOUR QUARTERS (2000-2004)

Figure 7.127.

MISCELLANEOUS PARAMETERS
DEMO RANGE BIG CLIFTY/BEECH CREEK AQUIFER

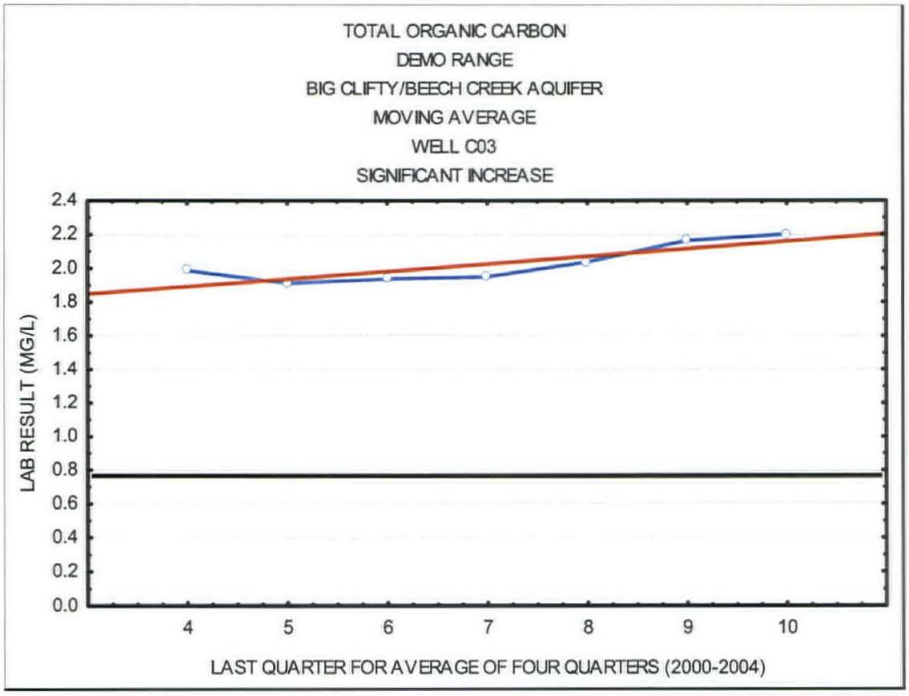


Figure 7.128.

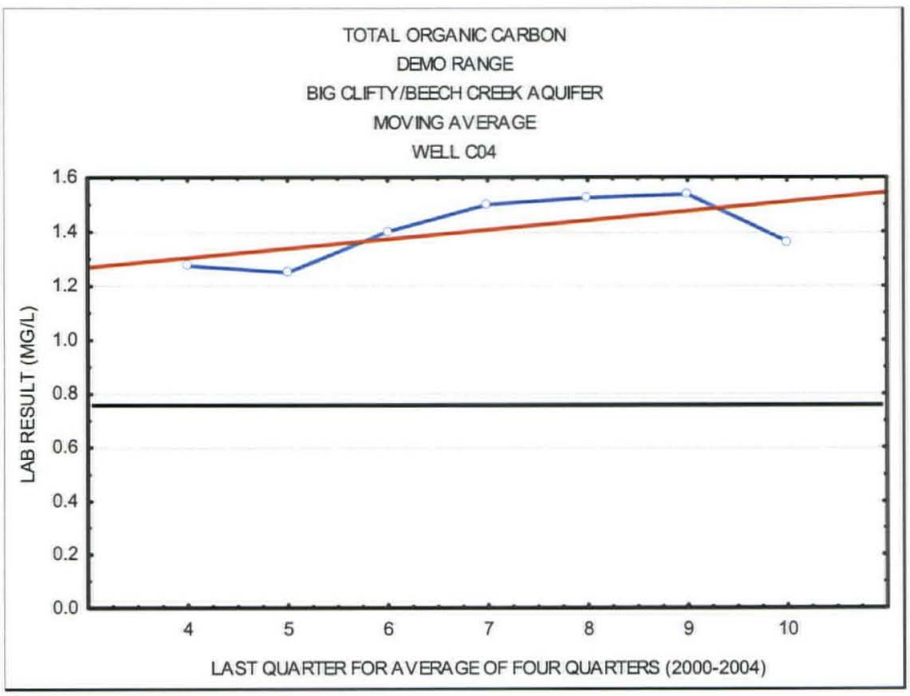


Figure 7.129.

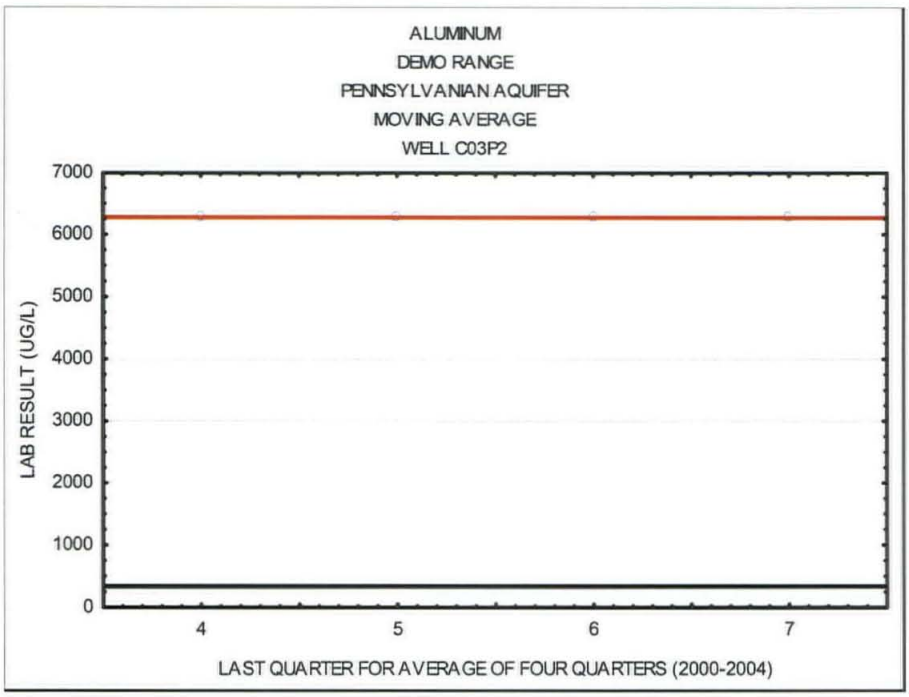


Figure 7.130.

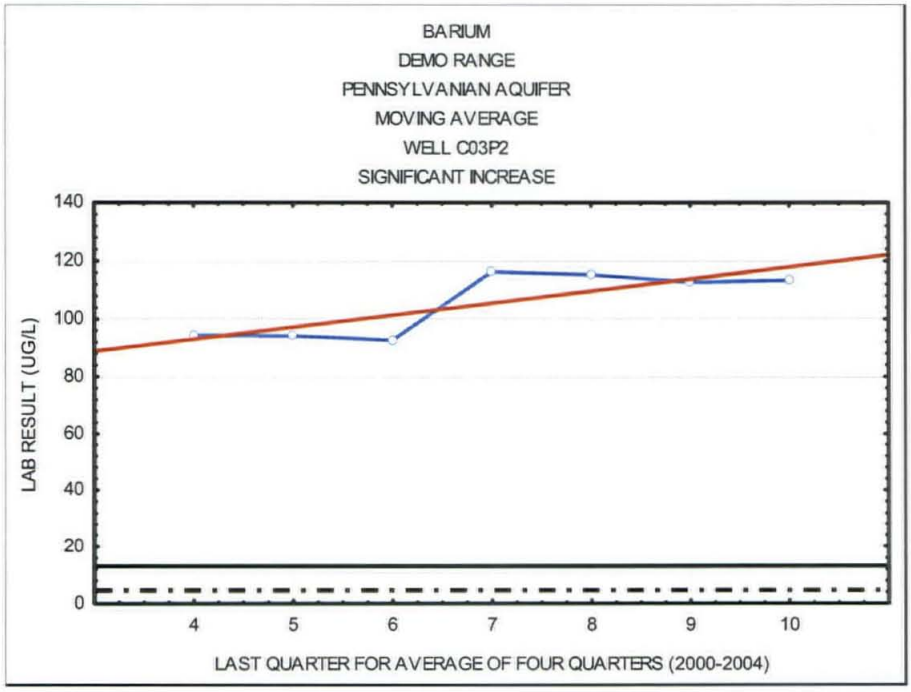


Figure 7.131.

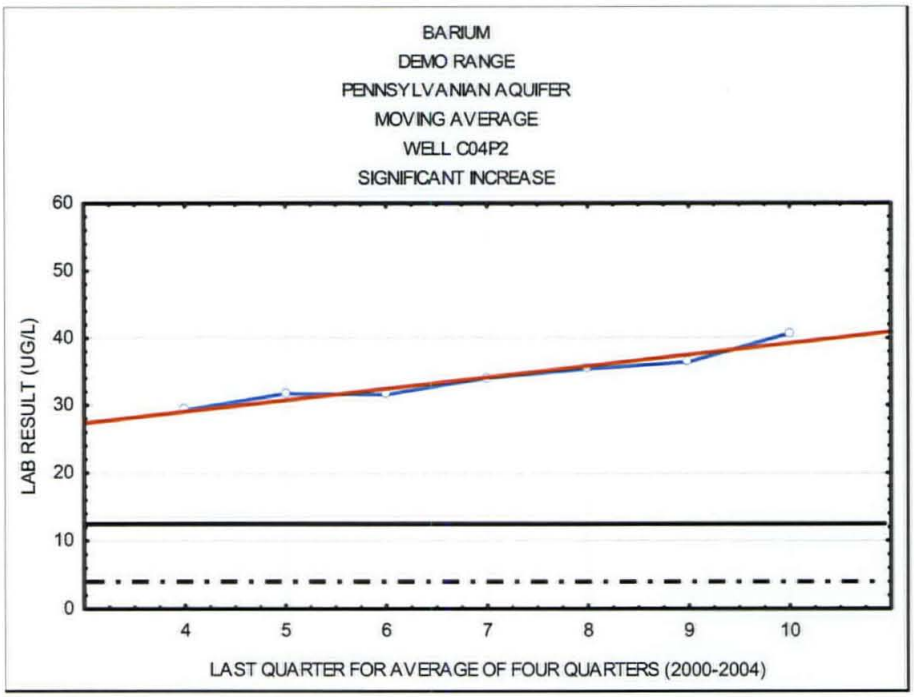


Figure 7.132.

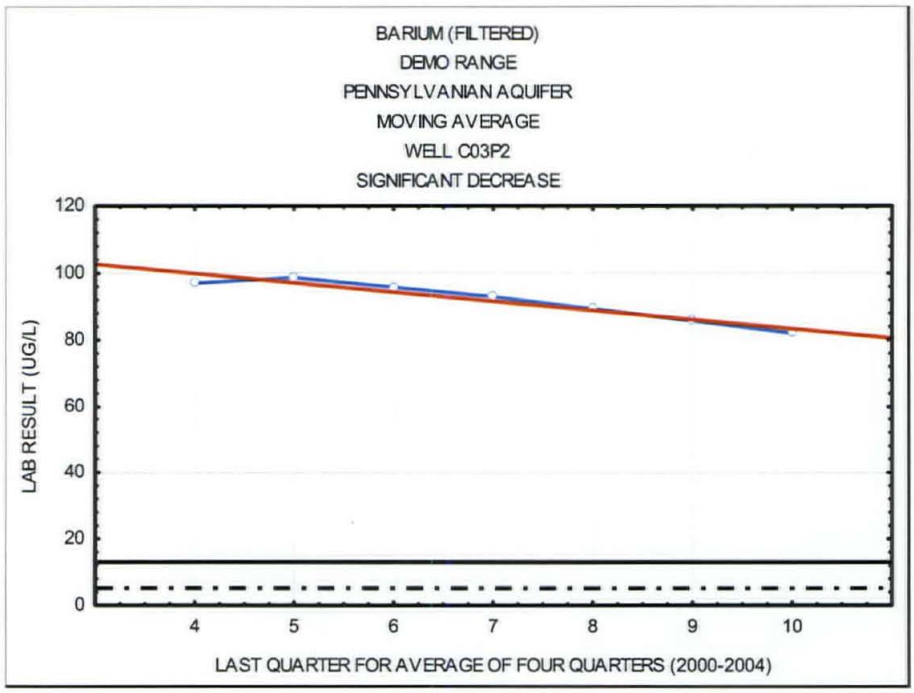


Figure 7.133.

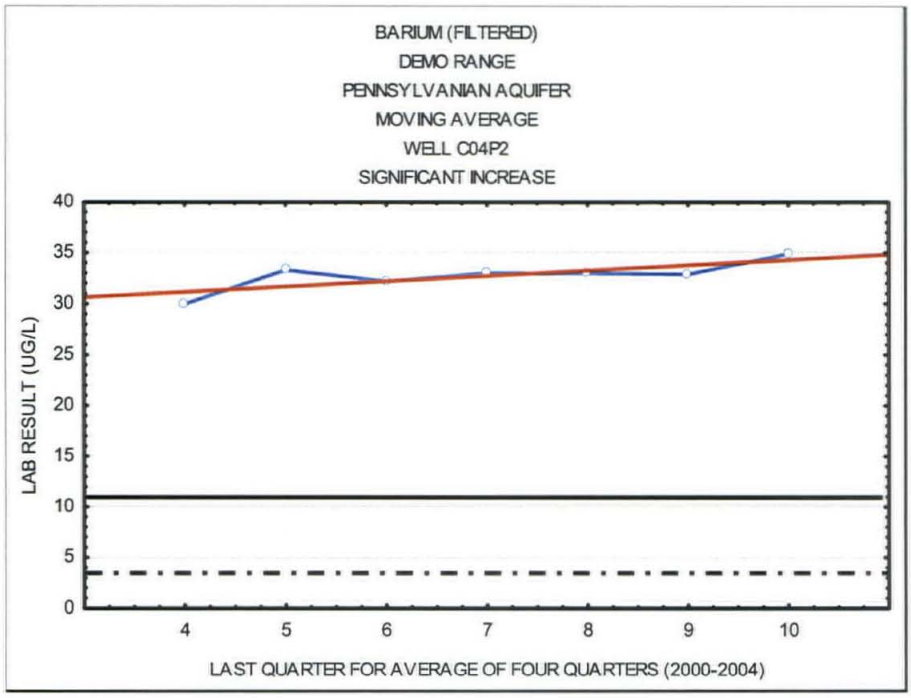

BARIUM (FILTERED)
DEMO RANGE
PENNSYLVANIAN AQUIFER
MOVING AVERAGE
WELL C04P2
SIGNIFICANT INCREASE
LAB RESULT (UG/L)
40
35
30
25
20
15
10
5
0
4
5
6
7
8
9
10
LAST QUARTER FOR AVERAGE OF FOUR QUARTERS (2000-2004)

Figure 7.134.

8.0

GROUNDWATER QUALITY AND POTENTIAL CONTAMINANT MIGRATION

8.0 Groundwater Quality and Potential Contaminant Migration

Groundwater monitoring at the Ammunition Burning Grounds, Old Rifle Range, and Demo Range was initiated to meet the regulatory requirements of 40 CFR 264 Subpart F. Interim status groundwater monitoring revealed contamination underlying the sites. The regulations require the facility to determine if groundwater protection standards are being met at, and beyond, the point of compliance. Compliance groundwater monitoring wells at the three sites are located at the edge of the waste management areas and monitor groundwater in the uppermost aquifer. Subpart F defines the compliance point at which the groundwater protection standard applies as the vertical surface located at the hydraulic limit of the waste management area that extends into the uppermost aquifer underlying the regulated unit. 40 CFR 264.91(a)(2) requires corrective action under 264.100 whenever a groundwater protection standard is exceeded. Exceeded is defined as statistically increased evidence of contamination. The protection standards established for 40 CFR 264.92 are risk-based target limits (RBTLs) and are documented in the Ground Water Monitoring Plan (GWMP) (Tetra Tech NUS, 1999; Table 1-2). The GWMP describes in detail the monitoring programs at the three sites, including constituents monitored and the location of points of compliance. Table 8.0.1 below summarizes the analyzed constituents with respective RBTLs.

Table 8.0.1

ANALYTICAL METHODS, LABORATORY REPORTING LIMITS, AND GROUND WATER PROTECTION STANDARD CONCENTRATION LIMITS
NAVAL SURFACE WARFARE CENTER
CRANE, INDIANA

Chemical	Laboratory RL[1] (ug/L)	Risk-Based Target Level[2] (ug/L)
EXPLOSIVES (SW-846 METHOD 8330)		
1,3,5-Trinitrobenzene	1.0	1.8
1,3-Dinitrobenzene	0.9	2.36
2,4,6-Trinitrotoluene (TNT)	1.6	2.2
2,4-Dinitrotoluene	1.2	60.8
2,6-Dinitrotoluene	2.0	37
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	2.0	1800
2-Nitrotoluene	2.0	2.2
3-Nitrotoluene	2.0	370
4-Nitrotoluene	2.0	370
4-Amino-2,6-dinitrotoluene	1.6	--[3]
2-Amino-4,6-dinitrotoluene	0.9	--
Methyl-2,4,6-trinitrophenylnitramine (Tetryl)	1.2	370
Nitrobenzene	1.5	15.2
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	0.61[4]	0.61
Nitroglycerin	13	--
Pentaerythritol tetranitrate (PETN)	26	--
2,4-Diamino-6-nitrotoluene	10	--
2,6-Diamino-4-nitrotoluene	10	--
2,2',6,6'-Tetranitro-4,4'-azoxytoluene	10	--
3,5-Dinitroaniline	10	--
1,3,5-Trinitroso-1,3,5-hexahydrotriazine (TNX)	10	--
1-Nitroso-3,5-dinitro-1,3,5-hexahydrotriazine (MNX)	10	--
EXPLOSIVES (MODIFIED ARMY CORPS METHOD)		
Nitrocellulose	500	--
EXPLOSIVES (LAUCKS HPLC METHOD)		
Picric acid	0.6	--
Picramic acid	0.9	--
APPENDIX IX METALS (SW-846 METHOD 6020 ICP/MS, UNLESS OTHERWISE NOTED)		
Antimony	1.0	6
Arsenic	1.0	2
Barium	1.0	3.9
Beryllium	1.0	4
Cadmium	1.0	1.1
Chromium (total)	5.0	10
Cobalt	3.0	3
Copper	2.0	11
Lead	1.0	2.5
Mercury (SW-846 Method 7470A)	0.2	1.3
Nickel	10	100
Selenium	1.0	5
Silver	3.0	4.1
Thallium	1.0	2
Vanadium	2.0	19
Zinc	10	100
ADDITIONAL METALS (SW-846 METHOD 6010B ICP/AES OR SW-846 METHOD 6020 ICP/MS)		
Aluminum	200	3.6×10^4
Calcium	1000	--
Iron	100	300

Table 8.0.1 Cont.

Chemical	Laboratory RL[1] (ug/L)	Risk-Based Target Level[2] (ug/L)
Magnesium	1000	--
Manganese	15	50
Potassium	1000	--
Sodium	1000	--
APPENDIX IX VOLATILE ORGANIC COMPOUNDS (SW-846 METHOD 8260B WITH 25 ML PURGE)		
1,1,1-Trichloroethane	0.5	88
1,1,1,2-Tetrachloroethane	0.5	5
1,1,2,2-Tetrachloroethane	0.5	5
1,1,2-Trichloroethane	0.5	5
1,2,3-Trichloropropane	1[4]	12.11
1,2,3-Trichlorobenzene	0.5	--
1,1-Dichloroethane	0.5	47
1,1-Dichloroethene	0.5	0.5
1,1-Dichloropropylene	0.5	--
1,2-Dibromo-3-chloropropane	1	1
1,2-Dibromoethane	0.5	1
1,2-Dichloroethane	0.5	1
1,2-Dichloropropane	0.5	380
1,3-Dichloropropane	0.5	--
2,2-Dichloropropane	0.5	--
2-Butanone	10	917.72
2-Chloro-1,3-butadiene (chloroprene)	3	14
2-Hexanone	10	--
4-Methyl-2-pentanone	10	1520
Acetone	10	610
Acrolein	10*	4
Acrylonitrile	3	3.7
Allyl chloride (3-chloro-1-propene)	10	1800
Benzene	0.5	5
Bromochloromethane	0.5	--
Bromodichloromethane	0.5	100
Bromoform	0.5	8.5
Bromomethane	1[4]	8.7
Carbon disulfide	0.5	21
Carbon tetrachloride	0.3[4]*	0.17
Chlorobenzene	0.5	10
Chloroethane	0.5	710
Chloroform	0.3*	0.16
Chloromethane	0.5	1.5
cis-1,2-Dichloroethene	0.5	61
cis-1,3-Dichloropropene	0.3[4]*	0.081
Dibromochloromethane	0.5	1
Dibromomethane	0.5	370
Dichlorodifluoromethane	0.5	390
Ethylbenzene	0.5	17.2
Ethyl methacrylate	1	550
Methacrylonitrile	1	1
Methylene chloride	3	4.3
Methyl iodide	0.5	--

Table 8.0.1 Cont.

Chemical	Laboratory RL[1] (ug/L)	Risk-Based Target Level[2] (ug/L)
Methyl methacrylate	2	2800
Styrene	0.5	56
Tetrachloroethene	0.5	1.1
Toluene	0.5	253
trans-1,2-Dichloroethene	0.5	100
trans-1,3-Dichloropropene	0.5	0.5
trans-1,4-Dichloro-2-butene	10	10
Trichloroethene	0.5	1.6
Trichlorofluoromethane	0.5	1300
Vinyl acetate	0.5	248.03
Vinyl chloride	0.5	2
Total Xylenes	1	1.8
APPENDIX IX VOLATILE ORGANIC COMPOUNDS (SW-846 METHOD 8015B WITH 10 ML PURGE)		
1,4-Dioxane (SW-846 Method 8015B)	500*	2
Acetonitrile (SW-846 Method 8015B)	40	220
Isobutyl alcohol (SW-846 Method 8015B)	40	11000
Propionitrile (SW-846 Method 8015B)	40	6080
APPENDIX IX SEMIVOLATILE ORGANIC COMPOUNDS (SW-846 METHOD 8270C; SIM WHERE NOTED)		
1,2,4,5-Tetrachlorobenzene	10	10
1,2,4-Trichlorobenzene	2	70
1,2-Dichlorobenzene	2	14
1,3-Dichlorobenzene	2	71
1,4-Dichlorobenzene	2	5
1,4-Naphthoquinone	10	10
1,4-Phenylenediamine	100	6900
1-Naphthylamine	36*	10
2,3,4,6-Tetrachlorophenol	25*	14.06
2,4,5-Trichlorophenol	5	63
2,4,6-Trichlorophenol	3*	2
2,4-Dichlorophenol	3	18
2,4-Dimethylphenol	5	166.9
2,4-Dinitrophenol	10	10
2,6-Dichlorophenol	5	--
2-Acetylaminofluorene	12	14.86
2-Chloronaphthalene	2*	1
2-Chlorophenol	3*	2
2-Methylnaphthalene by SIM	0.04	9.15
2-Methylphenol	2	1520
2-Naphthylamine	16	--
2-Nitroaniline	2	2.2
2-Nitrophenol	5	13.5
2-Picoline	20	3790
3,3'-Dichlorobenzidine	10	10
3,3'-Dimethylbenzidine	50*	10
3-Methylcholanthrene	12	400
3-,4-Methylphenol[5]	4	1800
3-Nitroaniline	2	--
4,6-Dinitro-2-methylphenol	10	10
4-Aminobiphenyl	12	--

Table 8.0.1 Cont.

Chemical	Laboratory RL[1] (ug/L)	Risk-Based Target Level[2] (ug/L)
4-Bromophenyl phenyl ether	2	2
4-Chloro-3-methylphenol	2	34.79
4-Chloroaniline	2	121.6
4-Chlorophenyl phenyl ether	1	1
4-Nitroaniline	2	--
4-Nitrophenol	10	35
4-Nitroquinoline-1-oxide	100	--
5-Nitro-o-toluidine	16	--
7,12-Dimethylbenz(a)anthracene	10[4]	10
Acenaphthene by SIM	0.02	23
Acenaphthylene by SIM	0.04	1
Acetophenone	20	687.89
Aniline	5	5
Aramite	10	10
Anthracene by SIM	0.04	5
Benz(a)anthracene by SIM	0.04	1
Benzo(a)pyrene by SIM	0.04	1
Benzo(b)fluoranthene by SIM	0.04	1
Benzo(g,h,i)perylene by SIM	0.04	1
Benzo(k)fluoranthene by SIM	0.04	1
Benzyl alcohol	10	281.24
Bis(2-chloroethoxy)methane	5	6400
Bis(2-chloroethyl)ether	1[4]	1
Bis(2-chloroisopropyl)ether	3	3
Bis(2-ethylhexyl) phthalate	2	4.8
Butyl benzyl phthalate	2	19
Chlorobenzilate	5[4]*	2.5
Chrysene by SIM	0.04	1
Diallate	10	10
Di-n-butyl phthalate	2	3
Di-n-octyl phthalate	2	30
Dibenz(a,h)anthracene by SIM	0.04	1
Dibenzofuran	1	13.52
Diethyl phthalate	2	220
Dimethoate	10[4]	10
p-(Dimethylamino)azobenzene	15	--
a,a-Dimethylphenethylamine	50	--
Dimethyl phthalate	2	73
Diphenylamine[6]	10	10
Disulfoton	16[4]*	0.3
Ethyl methane sulfonate	16	--
Ethyl parathion	15	--
Famphur	10	--
Fluoranthene by SIM	0.04	8.1
Fluorene by SIM	0.04	10
Hexachlorobenzene	2	2

Table 8.0.1 Cont.

Chemical	Laboratory RL[1] (ug/L)	Risk-Based Target Level[2] (ug/L)
Hexachlorobutadiene	1[4]	1
Hexachlorocyclopentadiene	2	2
Hexachloroethane	2	4.8
Hexachlorophene	100*	11
Hexachloropropene	20	20
Indeno(1,2,3-cd)pyrene by SIM	0.02	1
Isodrin	10	10
Isophorone	1	71
Isosafrole	20	--
Kepone	25*	0.7
Methapyrilene	40	--
Methyl methane sulfonate	16	--
Methyl parathion	10*	9.1
n-Nitrosodi-n-butylamine	10	10
n-Nitrosodiethylamine	10	10
n-Nitrosodimethylamine	10	10
n-Nitrosodi-n-propylamine	2	2
n-Nitrosomethyethylamine	10	10
n-Nitrosomorpholine	10[4]	10
n-Nitrosopiperidine	10	10
n-Nitrosopyrrolidine	10	10
Naphthalene by SIM	0.04	24
Pentachlorobenzene	10	10
Pentachloroethane	10	14.39
Pentachloronitrobenzene	10	10
Pentachlorophenol	10	10
Phenacetin	10	10
Phenanthrene by SIM	0.04	1
Phenol	5	100
Phorate	10[4]*	3.62
Pronamide	12	160
Pyrene by SIM	0.04	1
Pyridine	10	37
Safrole	20	40
Tetraethyl dithiopyrophosphate (Sulfotepp)	10	10
Thionazin	100	--
o-Toluidine	15	--
O,O,O-Triethyl phosphorothioate	10	10
APPENDIX IX ORGANOCHLORINE PESTICIDES and PCBs (SW-846 METHOD 8081)		
Aldrin	0.01	0.01
Alpha-BHC	0.01	0.01
Alpha-chlordane	0.03	0.03
Beta-BHC	0.03	0.037
4,4'-DDD	0.05	0.05
4,4'-DDE	0.05*	0.01
4,4'-DDT	0.05*	0.01
Delta-BHC	0.05	666.67
Dieldrin	0.02	0.02
Endosulfan I	0.05	0.051

Table 8.0.1 Cont.

Chemical	Laboratory RL[1] (ug/L)	Risk-Based Target Level[2] (ug/L)
Endosulfan II	0.05	0.051
Endosulfan sulfate	0.05	0.05
Endrin	0.06	0.06
Endrin aldehyde	0.05	0.05
Gamma-BHC (Lindane)	0.05	0.052
Gamma-chlordane	0.03	0.03
Heptachlor	0.03	0.03
Heptachlor epoxide	0.01	0.01
Methoxychlor	0.12*	0.05
Toxaphene	3.0*	2.4
Aroclor-1016	0.5	0.5
Aroclor-1221	0.5	0.5
Aroclor-1232	0.5	0.5
Aroclor-1242	0.5[4]	0.5
Aroclor-1248	0.5	0.5
Aroclor-1254	0.5	0.5
Aroclor-1260	0.5	0.5
APPENDIX IX HERBICIDES (SW-846 METHOD 8151A)		
2,4-D	0.2	70
2,4,5-T	0.2	370
2,4,5-TP (Silvex)	0.2	50
Dinoseb	0.2	0.39
DIOXINS/FURANS (SW-846 METHOD 8290)		
2,3,7,8-Tetrachlorodibenzo-p-dioxin (2,3,7,8-TCDD)	1E-5*	4.5E-6
1,2,3,7,8-Pentachlorodibenzo-p-dioxin (1,2,3,7,8-PeCDD)	5E-5	9E-6[7]
1,2,3,6,7,8- Hexachlorodibenzo-p-dioxin (1,2,3,6,7,8-HxCDD)	5E-5*	4.5E-5[7]
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (1,2,3,4,7,8-HxCDD)	5E-5*	4.5E-5[7]
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (1,2,3,7,8,9-HxCDD)	5E-5*	4.5E-5[7]
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (1,2,3,4,6,7,8-HpCDD)	5E-5	4.5E-4[7]
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (1,2,3,4,6,7,8,9-OCDD)	1E-4	4.5E-3[7]
2,3,7,8-Tetrachlorodibenzofuran (2,3,7,8-TCDF)	1E-5	4.5E-5[7]
1,2,3,7,8-Pentachlorodibenzofuran (1,2,3,7,8-PeCDF)	5E-5	9E-5[7]
2,3,4,7,8-Pentachlorodibenzofuran (2,3,4,7,8-PeCDF)	5E-5*	9E-6[7]
1,2,3,6,7,8-Hexachlorodibenzofuran (1,2,3,6,7,8-HxCDF)	5E-5*	4.5E-5[7]
1,2,3,7,8,9-Hexachlorodibenzofuran (1,2,3,7,8,9-HxCDF)	5E-5*	4.5E-5[7]
1,2,3,4,7,8-Hexachlorodibenzofuran (1,2,3,4,7,8-HxCDF)	5E-5*	4.5E-5[7]
2,3,4,6,7,8-Hexachlorodibenzofuran (2,3,4,6,7,8-HxCDF)	5E-5*	4.5E-5[7]
1,2,3,4,6,7,8-Heptachlorodibenzofuran (1,2,3,4,6,7,8-HpCDF)	5E-5	4.5E-4[7]
1,2,3,4,7,8,9-Heptachlorodibenzofuran (1,2,3,4,7,8,9-HpCDF)	5E-5	4.5E-4[7]
1,2,3,4,6,7,8,9-Octachlorodibenzofuran (1,2,3,4,6,7,8,9-OCDF)	1E-4	4.5E-3[7]
Total Tetrachlorodibenzo-p-dioxin (Total TCDD)	1E-5	NA
Total Pentachlorodibenzo-p-dioxin (Total PeCDD)	5E-5	NA
Total Hexachlorodibenzo-p-dioxin (Total HxCDD)	5E-5	NA
Total Heptachlorodibenzo-p-dioxin (Total HpCDD)	5E-5	NA
Total Tetrachlorodibenzofuran (Total TCDF)	1E-5	NA
Total Pentachlorodibenzofuran (Total PeCDF)	5E-5	NA

Table 8.0.1 Cont.

Chemical	Laboratory RL[1] (ug/L)	Risk-Based Target Level[2] (ug/L)
Total Hexachlorodibenzofuran (Total HxCDF)	5E-5	NA
Total Heptachlorodibenzofuran (Total HpCDF)	5E-5	NA
MISCELLANEOUS PARAMETERS		
Ammonia (EPA 600 Series Method 350.1)	10	--
Chloride (SW-846 Method 9056)	1000	--
Cyanide (SW-846 Method 9012A)	10	10
Dissolved Methane (Microseeps, Inc., Method AM18)	0.015	5[9]
Nitrate (SW-846 Method 9056)	200	58000
Nitrite (SW-846 Method 9056)	100	1000
Phosphorus (Total and Dissolved) (EPA Method 356.2)	100	--
Sulfate (SW-846 Method 9056)	1000	--
Sulfide (SW-846 Method 9034)	1000	--
Total Organic Carbon (TOC) (SW-846 Method 9060)	1000	--
Total Organic Halides (TOX) (SW-846 Method 9020B)	20	--

Ug/L micrograms per liter

* Asterisks indicate those chemicals for which the laboratory reporting limit (RL) exceeds the risk-based target level for the project.

1Method detection limits (MDLs) (all parameters except metals), instrument detection limits (IDLs) (metals only), and RLs as provided by Laucks Testing Laboratories, Inc., Traingle Laboratories, Inc. (dioxins/furans only), and Microseeps, Inc. (dissolved methane only). These values may change throughout the course of the ground water monitoring program as laboratory MDLs and IDLs are updated.

2Developed using U.S. EPA Region 5 support. Value is based on human health or ecological risk-based criteria or practical quantitation limits (PQLs) for common laboratory analytical methods.

3Risk-based target level is not provided, since human and ecological risk-based criteria are not available for this chemical.

4Laucks Testing Laboratories is confident that it can reliably report to this PQL, even though this value is less than two times the MDL.

53-Methylphenol and 4-methylphenol coelute. Therefore, one analytical result for 3-, 4-methylphenol will be reported.

6N-Nitrosodiphenylamine is more toxic than diphenylamine. However, n-nitrosodiphenylamine rapidly degrades to diphenylamine. Therefore, only diphenylamine will be reported, but results for diphenylamine will be treated as n-nitrosodiphenylamine during risk assessment.

7The target level is calculated using the target level for 2,3,7,8-TCDD and the toxicity equivalent factor (TEF) presented in current U.S. EPA guidance (U.S. EPA, March 1989).

8Not Applicable.

9The target level for dissolved methane is not a risk-based value, but instead represents the target reporting level for dissolved methane based on its use in evaluating the natural attenuation of TCE.

8.1 Ammunition Burning Ground

The Beech Creek Aquifer underlying the Ammunition Burning Ground is the most significantly impacted groundwater under the site (Murphy, 1994). The aquifer is recharged through the Golconda/Haney Aquifer in the western portion of the site and is recharged directly from percolation in the remaining portion of the ABG. Solution voids in the Beech Creek have been shown to transmit water rapidly from the eastern part of the site to springs in the Little Sulphur Creek valley. The eastern portion of the ABG is hydraulically connected to Spring A, and under more limited conditions, to Spring C (Baedke, 1998).

The US Army Corps of Engineers (USACE) assessment in the 1990s determined that trichloroethene (TCE), RDX, and barium were frequently detected at the ABG (Murphy, 1994). Results from quarterly monitoring in 2000 and 2001 generally agree with the previous findings; the most frequently detected compounds in the Beech Creek Aquifer wells were also barium, TCE, and RDX. Other compounds frequently detected in the quarterly monitoring from 2000-2001 include magnesium, HMX, and cis-1,2-dichloroethene (a breakdown product of TCE). In 2002, metals and other inorganics, volatile organic compounds, and explosives were detected in wells inside the ABG proper. In addition, degradation products of TCE and explosives were also detected in ABG wells. Explosives and degradation products of explosives were frequently detected in the two springs. In 2004, the same compounds were found throughout the ABG.

Figures 8.1.1-8.1.4 show all detections in 2004, by quarter, for the Beech Creek monitoring wells at the ABG. Figures 8.1.5-8.1.8 show all detections, by quarter, for Spring A and Spring C. Values that exceeded an RBTL are flagged. For associated lab qualifiers, please see Tables 6.1.1–6.1.5. Metals, including total barium and dissolved barium, calcium, magnesium and potassium, as well as chloride and sulfate, were found in every well for all four quarters, except for well 03C04 in the fourth quarter which did not contain barium and calcium. Explosives were found consistently in six wells each quarter (C26, C09P2, C07, C02P2, C20, and C08P2) along with the degradation products of explosives (C08P2 and C20 for 4 quarters and C09P2 and C07 for 1 quarter each). Occasional positives include volatile organics and other total and dissolved metals. Total barium, dissolved barium, magnesium, and calcium, chloride and sulfate, and explosives and degradation products of explosives were frequently detected in the two springs.

The 2004 ABG results were evaluated to determine which constituents were statistically higher than background Well 03C17 (Section 7.0). In addition, the newer data was combined with data from 2000 – 2003 to establish the long term moving average for each constituent. The statistical analysis was used to determine which constituents are exceeding the respective groundwater standards as defined by 40 CFR 264.91(a)(2). Table 8.1.1 shows the ABG results that exceeded an RBTL in at least one of the four quarters of 2004 and were statistically higher than background. Monitoring point objectives as per the GWMP (Tetra Tech NUS, 1999) are noted in the table. Explosives, metals, and VOC concentrations that were significantly high and exceeded an RBTL were found in POC wells and the springs. Constituents that exceeded both thresholds in compliance wells include 1,3,5-trinitrobenzene, RDX, arsenic, barium, lead, zinc, 1,2-dichloroethane, carbon tetrachloride, chloroform, cis-1,2-dichloroethene, and TCE.

Results from barium analyses show the presence of the metal to be extensive at the ABG. Barium was detected in every well sampled for each of the four quarters of 2004, which has been the case for the past four years. Figure 8.1.9 shows the quarterly values for total barium in relation to the quarterly measured groundwater flow contours (see Figure 8.1.1 for well references). Dissolved barium was also detected in every sampled well for each of the four quarters (Figures 8.1.10). All of the measured dissolved and total barium concentrations exceeded the Risk-Based Target Level (RBTL) of 3.9 μg/L, including measurements in background well 03C17 and offsite wells to the south. Barium was also detected at concentrations exceeding the RBTL in all four quarters for both Spring A and Spring C (Figures 8.1.5-8.1.8). The highest barium concentrations were consistently found in wells 03C30, 03C02P2 and 03C08P2. The concentrations measured in the quarterly sampling generally agree with the mean values of historic barium data presented in Murphy (1994). However, results of the quarterly sampling show the elevated concentrations of barium to be more geographically extensive.

Total and dissolved barium concentrations were significantly higher than background and exceeded the RBTL in several ABG wells (Table 8.1.1). Point of compliance wells 03C02P2, 03C03, 03C07, 03C08P2, 03C15, 03C20, 03C26, and 03C27 and offsite Well 03C30 exceeded the concentration and statistical threshold. Barium was also detected at concentrations that exceeded both thresholds in Spring A and Spring C.

Historic activities at the ABG could have contributed to the elevated presence of barium in groundwater underlying the site. Items have been burned at the unit that contained barium sulfate, an inert filler for projectiles and flares, known as "Salt-Load". The Incendiary Cage was used to treat flares in the 80s and 90s. Pyrotechnics usually are composed of an inorganic oxidizer and metal powder in a binder. Illuminating flares contain sodium nitrate, magnesium, and a binder. Signaling flares contain barium, strontium, or other metal nitrates (Military Explosives, 2005). Inert filler was also burned in the trenches that used to exist where the lower flashing pit is today. This burning occurred prior to 1984, before the flashing pit was installed (Doug Johnson, written communication).

The presence of elevated barium in all of the ABG sampling points, including the upgradient wells and the two springs, suggests that background conditions may contribute to elevated barium concentrations in the ABG results. Results from the Basewide Background Soils Investigation (TtNUS, 2001) demonstrated that barium occurs naturally at the facility at levels greater than the Soil Risk-Based Target Limit (SRBTL). The investigation measured background concentrations of metals throughout the facility. Background concentrations represent the level of inorganic chemicals found naturally in the region. Metal concentrations in soil vary according to soil type. In the study, background concentrations according to surface and subsurface soil type were determined for 27 metals (TtNUS, 2001). Surface soils in the study are considered to be soils 0-1 foot below the ground surface. Subsurface soils are soils 2-6 feet below the ground surface. The SRBTL for barium used in the Basewide Background Soils Investigation was 1.04 mg/kg. All soil samples in the Basewide Background Soils Investigation exceeded the SRBTL for barium.

In 1993, soil samples from the ABG RCRA Facility Investigation were analyzed for

barium. All samples from the RCRA Facility Investigation exceeded the SRBTL used in the Basewide Background Soils Investigation. Because we are more interested in how these soil concentrations relate to groundwater, it may be insightful to use U.S. EPA Soil Screening Levels (SSL) for Migration to Groundwater. The migration values are associated with a dilution and attenuation factor of one. For barium, the SSL is 82.0 mg/kg (TtNUS, 2001). Twenty-seven of the 33 barium surface samples exceed this level in the RCRA Facility Investigation. Twenty-two of the 32 subsurface samples exceed the SSL for barium.

While it is clear that background soil barium concentrations basewide are elevated, it is useful to compare results from the RCRA Facility Investigation with the Basewide Background Soils Investigation. This comparison puts the measured concentrations at the ABG into the context of concentrations in unaffected areas of the base. The soil in the ABG is residual soil derived from Mississippian bedrock/colluvium. The concentrations of barium in surface soil at the ABG were compared to the barium concentrations if Mississippian surface soils in unaffected areas of the Base. A 95% upper tolerance limit (UTL) of 211 mg/kg was determined from MS samples collected basewide. This means that background sample concentrations are below this limit 95% of the time for the MS soil type. Exceedances of this value suggest that the concentration is not from the same distribution as the background concentration (TtNUS, 2001). Comparison of ABG results with the 95% UTL reveals that some of the ABG samples were higher than background levels measured basewide (Anderson and others, 1998). Ten out of 33 surface soil samples from the ABG measured greater than the 95% UTL of 211 mg/kg. The concentrations ranged from 41.2–1410 mg/kg with an average of 298.1 mg/kg.

Subsurface soil in the ABG is comprised of clay and silt derived from the Mississippian bedrock. The soil, therefore, belongs to two of the designated background level categories in the Basewide Background Soils Investigation, the Mississippian subsurface clay (MBC) and Mississippian subsurface silt (MBL). The 95% UTL of the background level for MBC is 123 mg/kg. Twenty-one samples out of the 32 collected significantly exceed the background concentrations. Soil type MBL has a background level with a 95% UTL of 303 mg/kg. Eight samples out of the 32 collected at the ABG significantly exceeded the background concentrations. The range for the subsurface samples is 23.1 – 1740 mg/kg with an average of 178.2 mg/kg (TtNUS, 2001). Elevated soil barium concentrations at the ABG with respect to background suggests that elevated barium concentrations in groundwater under the site may be due, in part, to historic activities at the site.

RDX concentrations were consistently elevated above the RBTL of 0.61 μg/L at several ABG wells (Figure 8.1.11). The highest RDX concentrations were measured in two wells on the upgradient, western side of the site: Wells 03C09P2 and 03C20. RDX concentrations decrease in downgradient wells towards the eastern side of the site. The decrease in RDX concentrations downgradient could be due to attenuation and/or dilution from increased recharge on the eastern portion of the site. In addition, RDX is migrating offsite by way of karst solution features; RDX was detected above the RBTL in all four quarters in both Spring A and Spring C. (Figures 8.1.5-8.1.8). Some of the measured concentrations in the wells and springs are over two orders of magnitude greater than the

RBTL. Nitro-toluene daughter products were also found exiting Spring A. The presence of the degradation products indicates that some natural attenuation of explosives is occurring in the system.

Statistical results determined that four wells and one of the springs exhibited RDX concentrations greater than the RBTL and significantly higher than background (Table 8.1.1). The number of ABG wells exceeding both thresholds for RDX has decreased between 2000 and 2004. In 2000, eight wells exhibited concentrations that were greater than the RBTL and significantly high. In 2001, seven wells exhibited concentrations that exceeded both thresholds. Sites exceeding the concentration and the statistical threshold in 2002 and 2003 included four POC Wells: 03C07, 03C08P2, 03C09P2, and 03C20 and also Spring A. The same four wells and Spring A continue to follow this pattern. The decrease in the number of wells exceeding both thresholds at the site may be due to natural attenuation as well as delayed effects from improvements in burning operations.

Trichloroethene (TCE) was detected at concentrations above the RBTL of 1.6 μg/L at several of the wells within the ABG site proper (Figure 8.1.12). Historically, the highest TCE concentrations have been measured in Well 03C09P2 located on the upgradient, northwestern portion of the site (Murphy, 1994). In quarterly monitoring between 2000 and 2004, Well 03C20 has consistently exhibited the highest concentrations at the site, with concentrations around three orders of magnitude higher than the RBTL. The high concentrations measured downgradient from the historic high may be an indication that the plume is moving through the site.

The number of ABG wells exceeding both thresholds for TCE decreased sharply from 2001 when ten wells were found to have concentrations that exceeded both the concentration and statistical thresholds. Results from year 2002 indicate that two wells, POC Wells 03C09P2 and 03C20, exceeded both thresholds for TCE. Results from 2003 data show that there were seven wells that exceeded both thresholds for TCE. In 2004, only three wells, 03C08P2, 03C09P2 and 03C20 exceeded both thresholds. The decrease in the number of wells exceeding both thresholds at the site from 2001 to 2002 may be due to natural attenuation, even though there has been an increase in the number from 2002-2003. Once again, in 2004, we see a decrease in the number of wells exceeding both thresholds from the previous year.

HMX was consistently detected in several monitoring wells (Figure 8.1.13) and the springs (Figures 8.1.5-8.1.8). Spring A exhibited HMX concentrations in each of the four quarters at levels comparable to those found in the wells. Results for Spring A and several of the wells were significantly high when compared to non-detections in the background well (Table 7.138). However, all of the measured concentrations were well below the RBTL of 1800 μg/L.

Table 8.1.2 shows all results greater than the RBTL regardless of their statistical significance.

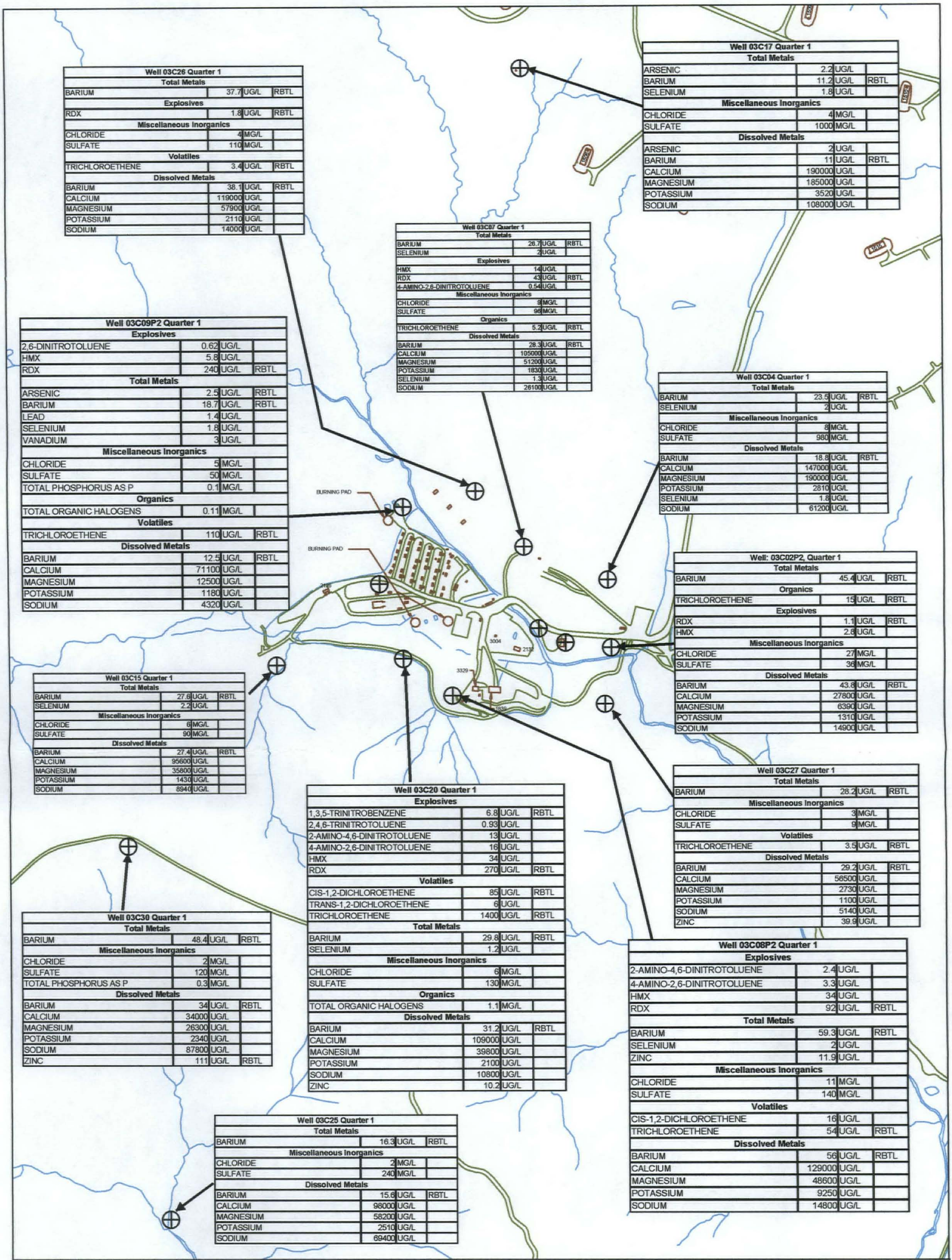
Table 8.1.1 Ammunition Burning Ground Monitoring Points with results exceeding an established RBTL and statistically higher than background.
[C = Compliance; Cl = Closure; CA = Corrective Action; NA = Natural Attenuation; K = Karst; ND = No Data]

Parameter	Well	MP Objective	2004 RBTL Exceedances by Quarter			
			1st	2nd	3rd	4th
EXPLOSIVES						
1,3,5-Trinitrobenzene	03C20	C,Cl,K	X	X		X
RDX	03C07	C,Cl,K	X	X	X	X
	03C08P2	C,Cl,K	X	X	X	X
	03C09P2	C,Cl,K	X	X	X	X
	03C20	C,Cl,K	X	X	X	X
	SPA	C,Cl,NA,K	X	X	X	X
METALS						
Arsenic	03C09P2	C,Cl,K	X	X	X	X
Barium	03C02P2	C,Cl,K	X	X	X	X
	03C03	C,Cl,NA,K	X	X	X	X
	03C07	C,Cl,K	X	X	X	X
	03C08P2	C,Cl,K	X	X	X	X
	03C15	C,Cl,K	X	X	X	X
	03C20	C,Cl,K	X	X	X	X
	03C26	C,Cl,K	X	X	X	X
	03C27	C,Cl,K	X	X	X	ND
	03C30	C,CA,Cl,K	X	X	X	X
	SPA	C,Cl,NA,K	X	X	X	X
	SPC	C,Cl,NA,K	X	X	X	X
Barium (filtered)	03C02P2	C,Cl,K	X	X	X	X
	03C03	C,Cl,NA,K	X	X	X	X
	03C07	C,Cl,K	X	X	X	X
	03C08P2	C,Cl,K	X	X	X	X
	03C15	C,Cl,K	X	X	X	X
	03C20	C,Cl,K	X	X	X	X
	03C26	C,Cl,K	X	X	X	X
	03C27	C,Cl,K	X	X	X	ND
	03C30	C,CA,Cl,K	X	X	X	X
	SPA	C,Cl,NA,K	X	X	X	X
	SPC	C,Cl,NA,K	X	X	X	X
Lead (filtered)	03C27	C,Cl,K			X	ND
Zinc (filtered)	03C30	C,CA,Cl,K	X			
	SPC	C,Cl,NA,K				X
VOLATILE ORGANIC COMPOUNDS						
1,2-Dichloroethane	03C09P2	C,Cl,K				X
Carbon Tetrachloride	03C09P2	C,Cl,K				X
Chloroform	03C09P2	C,Cl,K				X
	03C20	C,Cl,K				X
Cis-1,2-Dichloroethene	03C20	C,Cl,K	X	X	X	X
Trichloroethene	O3C08P2	C,Cl,K	X	X	X	X
	03C09P2	C,Cl,K	X	X	X	
	03C20	C,Cl,K	X	X	X	X

Table 8.1.2 Ammunition Burning Ground monitoring points with results exceeding an established RBTL.

Parameter	Well	2004 RBTL Exceedences by Quarter			
		1st	2nd	3rd	4th
EXPLOSIVES					
1,3,5-Trinitrobenzene	03C20	X	X		X
2,4,6-Trinitrotoluene	SPA		X	X	
Cis-1,2-Dichloroethene	03C20	X	X	X	X
RDX	03C02P2	X	X	X	X
	03C07	X	X	X	X
	03C08P2	X	X	X	X
	03C09P2	X	X	X	X
	03C20	X	X	X	X
	03C26	X	X	X	X
	CRB			X	
	SPA	X	X	X	X
	SPC	X	X	X	X
METALS					
Arsenic	C09P2	X	X	X	X
	03C17			X	
Barium	03C02P2	X	X	X	X
	03C03	X	X	X	X
	03C04	X	X	X	X
	03C07	X	X	X	X
	03C08P2	X	X	X	X
	03C09P2	X	X	X	X
	03C15	X	X	X	X
	03C17	X	X	X	
	03C20	X	X	X	X
	03C25	X	X	X	X
	03C26	X	X	X	X
	03C27	X	X	X	
	03C30	X	X	X	X
	SPA	X	X	X	X
	SPC	X	X	X	X
Barium (Filtered)	03C02P2	X	X	X	X
	03C03	X	X	X	X
	03C04	X	X	X	X
	03C07	X	X	X	X
	03C08P2	X	X	X	X
	03C09P2	X	X		X
	03C15	X	X	X	X
	03C17	X	X	X	
	03C20	X	X	X	X
	03C25	X	X	X	X

	03C26	X	X	X	X
	03C27	X	X	X	
	03C30	X	X	X	X
	SPA	X	X	X	X
	SPC	X	X	X	X
Chromium (Filtered)	03C04				X
Lead	03C27			X	
Zinc	03C30	X			
	SPC				X
VOLATILE ORGANIC COMPOUNDS					
1,2-Dichloroethene	03C09P2				X
Carbon Tetrachloride	03C09P2				X
Chloroform	03C09P2				X
	03C20				X
Trichloroethene	03C02P2	X	X		
	03C07	X	X	X	X
	03C08P2	X	X	X	X
	03C09P2	X	X		X
	03C20	X	X	X	X
	03C26	X	X	X	X
	03C27	X	X	X	



Well 03C26 Quarter 1			
Total Metals			
BARIUM	37.7	UG/L	RBTL
Explosives			
RDX	1.8	UG/L	RBTL
Miscellaneous Inorganics			
CHLORIDE	4	MG/L	
SULFATE	110	MG/L	
Volatiles			
TRICHLOROETHENE	3.4	UG/L	RBTL
Dissolved Metals			
BARIUM	38.1	UG/L	RBTL
CALCIUM	119000	UG/L	
MAGNESIUM	57900	UG/L	
POTASSIUM	2110	UG/L	
SODIUM	14000	UG/L	

Well 03C17 Quarter 1			
Total Metals			
ARSENIC	2.2	UG/L	
BARIUM	11.2	UG/L	RBTL
SELENIUM	1.8	UG/L	
Miscellaneous Inorganics			
CHLORIDE	4	MG/L	
SULFATE	1000	MG/L	
Dissolved Metals			
ARSENIC	2	UG/L	
BARIUM	11	UG/L	RBTL
CALCIUM	190000	UG/L	
MAGNESIUM	185000	UG/L	
POTASSIUM	3520	UG/L	
SODIUM	108000	UG/L	

Well 03C07 Quarter 1			
Total Metals			
BARIUM	26.7	UG/L	RBTL
SELENIUM	2	UG/L	
Explosives			
HMX	14	UG/L	
RDX	43	UG/L	RBTL
4-AMINO-2,6-DINITROTOLUENE	0.54	UG/L	
Miscellaneous Inorganics			
CHLORIDE	9	MG/L	
SULFATE	96	MG/L	
Organics			
TRICHLOROETHENE	5.2	UG/L	RBTL
Dissolved Metals			
BARIUM	28.3	UG/L	RBTL
CALCIUM	105000	UG/L	
MAGNESIUM	51200	UG/L	
POTASSIUM	1830	UG/L	
SELENIUM	1.3	UG/L	
SODIUM	26100	UG/L	

Well 03C09P2 Quarter 1			
Explosives			
2,6-DINITROTOLUENE	0.62	UG/L	
HMX	5.8	UG/L	
RDX	240	UG/L	RBTL
Total Metals			
ARSENIC	2.5	UG/L	RBTL
BARIUM	18.7	UG/L	RBTL
LEAD	1.4	UG/L	
SELENIUM	1.8	UG/L	
VANADIUM	3	UG/L	
Miscellaneous Inorganics			
CHLORIDE	5	MG/L	
SULFATE	50	MG/L	
TOTAL PHOSPHORUS AS P	0.1	MG/L	
Organics			
TOTAL ORGANIC HALOGENS	0.11	MG/L	
Volatiles			
TRICHLOROETHENE	110	UG/L	RBTL
Dissolved Metals			
BARIUM	12.5	UG/L	RBTL
CALCIUM	71100	UG/L	
MAGNESIUM	12500	UG/L	
POTASSIUM	1180	UG/L	
SODIUM	4320	UG/L	

Well 03C04 Quarter 1			
Total Metals			
BARIUM	23.5	UG/L	RBTL
SELENIUM	2	UG/L	
Miscellaneous Inorganics			
CHLORIDE	8	MG/L	
SULFATE	980	MG/L	
Dissolved Metals			
BARIUM	18.8	UG/L	RBTL
CALCIUM	147000	UG/L	
MAGNESIUM	190000	UG/L	
POTASSIUM	2810	UG/L	
SELENIUM	1.8	UG/L	
SODIUM	61200	UG/L	

Well: 03C02P2, Quarter 1			
Total Metals			
BARIUM	45.4	UG/L	RBTL
Organics			
TRICHLOROETHENE	15	UG/L	RBTL
Explosives			
RDX	1.1	UG/L	RBTL
HMX	2.8	UG/L	
Miscellaneous Inorganics			
CHLORIDE	27	MG/L	
SULFATE	36	MG/L	
Dissolved Metals			
BARIUM	43.8	UG/L	RBTL
CALCIUM	27800	UG/L	
MAGNESIUM	6390	UG/L	
POTASSIUM	1310	UG/L	
SODIUM	14900	UG/L	

Well 03C15 Quarter 1			
Total Metals			
BARIUM	27.6	UG/L	RBTL
SELENIUM	2.2	UG/L	
Miscellaneous Inorganics			
CHLORIDE	6	MG/L	
SULFATE	90	MG/L	
Dissolved Metals			
BARIUM	27.4	UG/L	RBTL
CALCIUM	95600	UG/L	
MAGNESIUM	35800	UG/L	
POTASSIUM	1430	UG/L	
SODIUM	8940	UG/L	

Well 03C27 Quarter 1			
Total Metals			
BARIUM	28.2	UG/L	RBTL
Miscellaneous Inorganics			
CHLORIDE	3	MG/L	
SULFATE	9	MG/L	
Volatiles			
TRICHLOROETHENE	3.5	UG/L	RBTL
Dissolved Metals			
BARIUM	29.2	UG/L	RBTL
CALCIUM	56500	UG/L	
MAGNESIUM	2730	UG/L	
POTASSIUM	1100	UG/L	
SODIUM	5140	UG/L	
ZINC	39.9	UG/L	

Well 03C20 Quarter 1			
Explosives			
1,3,5-TRINITROBENZENE	6.8	UG/L	RBTL
2,4,6-TRINITROTOLUENE	0.93	UG/L	
2-AMINO-4,6-DINITROTOLUENE	13	UG/L	
4-AMINO-2,6-DINITROTOLUENE	16	UG/L	
HMX	34	UG/L	
RDX	270	UG/L	RBTL
Volatiles			
CIS-1,2-DICHLOROETHENE	85	UG/L	RBTL
TRANS-1,2-DICHLOROETHENE	6	UG/L	
TRICHLOROETHENE	1400	UG/L	RBTL
Total Metals			
BARIUM	29.8	UG/L	RBTL
SELENIUM	1.2	UG/L	
Miscellaneous Inorganics			
CHLORIDE	6	MG/L	
SULFATE	130	MG/L	
Organics			
TOTAL ORGANIC HALOGENS	1.1	MG/L	
Dissolved Metals			
BARIUM	31.2	UG/L	RBTL
CALCIUM	109000	UG/L	
MAGNESIUM	39800	UG/L	
POTASSIUM	2100	UG/L	
SODIUM	10800	UG/L	
ZINC	10.2	UG/L	

Well 03C30 Quarter 1			
Total Metals			
BARIUM	48.4	UG/L	RBTL
Miscellaneous Inorganics			
CHLORIDE	2	MG/L	
SULFATE	120	MG/L	
TOTAL PHOSPHORUS AS P	0.3	MG/L	
Dissolved Metals			
BARIUM	34	UG/L	RBTL
CALCIUM	34000	UG/L	
MAGNESIUM	26300	UG/L	
POTASSIUM	2340	UG/L	
SODIUM	87800	UG/L	
ZINC	111	UG/L	RBTL

Well 03C08P2 Quarter 1			
Explosives			
2-AMINO-4,6-DINITROTOLUENE	2.4	UG/L	
4-AMINO-2,6-DINITROTOLUENE	3.3	UG/L	
HMX	34	UG/L	
RDX	92	UG/L	RBTL
Total Metals			
BARIUM	59.3	UG/L	RBTL
SELENIUM	2	UG/L	
ZINC	11.9	UG/L	
Miscellaneous Inorganics			
CHLORIDE	11	MG/L	
SULFATE	140	MG/L	
Volatiles			
CIS-1,2-DICHLOROETHENE	16	UG/L	
TRICHLOROETHENE	54	UG/L	RBTL
Dissolved Metals			
BARIUM	56	UG/L	RBTL
CALCIUM	129000	UG/L	
MAGNESIUM	48600	UG/L	
POTASSIUM	9250	UG/L	
SODIUM	14800	UG/L	

Well 03C25 Quarter 1			
Total Metals			
BARIUM	16.3	UG/L	RBTL
Miscellaneous Inorganics			
CHLORIDE	2	MG/L	
SULFATE	240	MG/L	
Dissolved Metals			
BARIUM	15.6	UG/L	RBTL
CALCIUM	98000	UG/L	
MAGNESIUM	58200	UG/L	
POTASSIUM	2510	UG/L	
SODIUM	69400	UG/L	

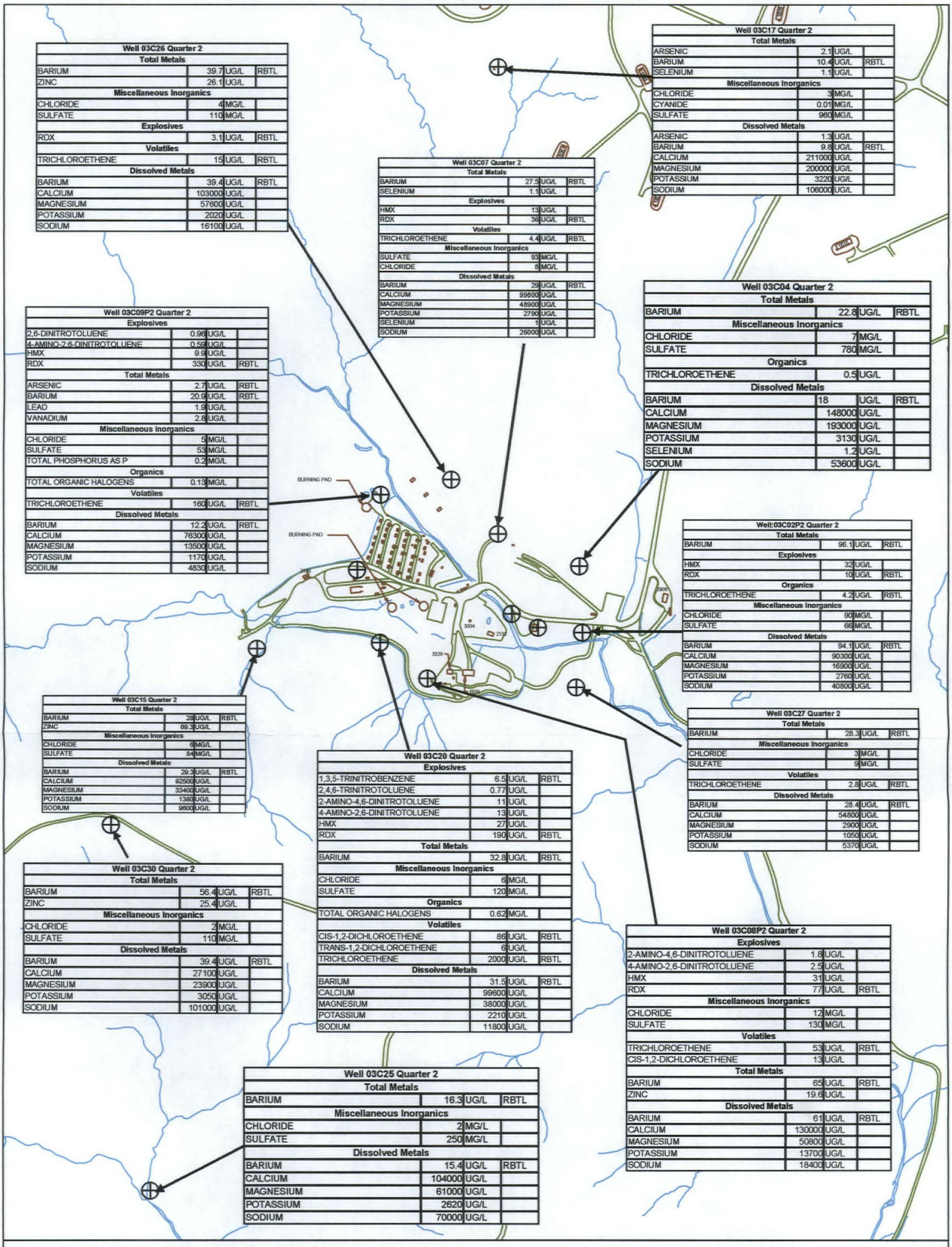
Figure 8.1.1
ORGANIC AND INORGANIC DETECTIONS
IN GROUNDWATER

AMMUNITION BURNING GROUNDS
1ST QUARTER, 2004
AQUIFER: BEECH CREEK

ABG Monitoring Wells
Roads
Streams

N
W E
S

0 350 700 1,400
Feet



Well 03C26 Quarter 2			
Total Metals			
BARIUM	39.7	UG/L	RBTL
ZINC	26.1	UG/L	
Miscellaneous Inorganics			
CHLORIDE	4	MG/L	
SULFATE	110	MG/L	
Explosives			
RDX	3.1	UG/L	RBTL
Volatiles			
TRICHLOROETHENE	15	UG/L	RBTL
Dissolved Metals			
BARIUM	39.4	UG/L	RBTL
CALCIUM	103000	UG/L	
MAGNESIUM	57600	UG/L	
POTASSIUM	2020	UG/L	
SODIUM	16100	UG/L	

Well 03C17 Quarter 2			
Total Metals			
ARSENIC	2.1	UG/L	
BARIUM	10.4	UG/L	RBTL
SELENIUM	1.1	UG/L	
Miscellaneous Inorganics			
CHLORIDE	3	MG/L	
CYANIDE	0.01	MG/L	
SULFATE	960	MG/L	
Dissolved Metals			
ARSENIC	1.3	UG/L	
BARIUM	9.8	UG/L	RBTL
CALCIUM	211000	UG/L	
MAGNESIUM	200000	UG/L	
POTASSIUM	3220	UG/L	
SODIUM	106000	UG/L	

Well 03C07 Quarter 2			
Total Metals			
BARIUM	27.5	UG/L	RBTL
SELENIUM	1.1	UG/L	
Explosives			
HMX	13	UG/L	
RDX	36	UG/L	RBTL
Volatiles			
TRICHLOROETHENE	4.4	UG/L	RBTL
Miscellaneous Inorganics			
SULFATE	93	MG/L	
CHLORIDE	8	MG/L	
Dissolved Metals			
BARIUM	29	UG/L	RBTL
CALCIUM	99800	UG/L	
MAGNESIUM	48900	UG/L	
POTASSIUM	2790	UG/L	
SELENIUM	1	UG/L	
SODIUM	26000	UG/L	

Well 03C09P2 Quarter 2			
Explosives			
2,6-DINITROTOLUENE	0.96	UG/L	
4-AMINO-2,6-DINITROTOLUENE	0.59	UG/L	
HMX	9.9	UG/L	
RDX	330	UG/L	RBTL
Total Metals			
ARSENIC	2.7	UG/L	RBTL
BARIUM	20.9	UG/L	RBTL
LEAD	1.9	UG/L	
VANADIUM	2.8	UG/L	
Miscellaneous Inorganics			
CHLORIDE	5	MG/L	
SULFATE	53	MG/L	
TOTAL PHOSPHORUS AS P	0.2	MG/L	
Organics			
TOTAL ORGANIC HALOGENS	0.13	MG/L	
Volatiles			
TRICHLOROETHENE	160	UG/L	RBTL
Dissolved Metals			
BARIUM	12.2	UG/L	RBTL
CALCIUM	76300	UG/L	
MAGNESIUM	13500	UG/L	
POTASSIUM	1170	UG/L	
SODIUM	4830	UG/L	

Well 03C04 Quarter 2			
Total Metals			
BARIUM	22.8	UG/L	RBTL
Miscellaneous Inorganics			
CHLORIDE	7	MG/L	
SULFATE	780	MG/L	
Organics			
TRICHLOROETHENE	0.5	UG/L	
Dissolved Metals			
BARIUM	18	UG/L	RBTL
CALCIUM	148000	UG/L	
MAGNESIUM	193000	UG/L	
POTASSIUM	3130	UG/L	
SELENIUM	1.2	UG/L	
SODIUM	53600	UG/L	

Well:03C02P2 Quarter 2			
Total Metals			
BARIUM	96.1	UG/L	RBTL
Explosives			
HMX	32	UG/L	
RDX	10	UG/L	RBTL
Organics			
TRICHLOROETHENE	4.2	UG/L	RBTL
Miscellaneous Inorganics			
CHLORIDE	90	MG/L	
SULFATE	66	MG/L	
Dissolved Metals			
BARIUM	94.1	UG/L	RBTL
CALCIUM	90300	UG/L	
MAGNESIUM	16900	UG/L	
POTASSIUM	2760	UG/L	
SODIUM	40800	UG/L	

Well 03C15 Quarter 2			
Total Metals			
BARIUM	28	UG/L	RBTL
ZINC	69.3	UG/L	
Miscellaneous Inorganics			
CHLORIDE	6	MG/L	
SULFATE	84	MG/L	
Dissolved Metals			
BARIUM	29.3	UG/L	RBTL
CALCIUM	92500	UG/L	
MAGNESIUM	33400	UG/L	
POTASSIUM	1380	UG/L	
SODIUM	9600	UG/L	

Well 03C27 Quarter 2			
Total Metals			
BARIUM	28.3	UG/L	RBTL
Miscellaneous Inorganics			
CHLORIDE	3	MG/L	
SULFATE	9	MG/L	
Volatiles			
TRICHLOROETHENE	2.8	UG/L	RBTL
Dissolved Metals			
BARIUM	28.4	UG/L	RBTL
CALCIUM	54800	UG/L	
MAGNESIUM	2900	UG/L	
POTASSIUM	1050	UG/L	
SODIUM	5370	UG/L	

Well 03C20 Quarter 2			
Explosives			
1,3,5-TRINITROBENZENE	6.5	UG/L	RBTL
2,4,6-TRINITROTOLUENE	0.77	UG/L	
2-AMINO-4,6-DINITROTOLUENE	11	UG/L	
4-AMINO-2,6-DINITROTOLUENE	13	UG/L	
HMX	27	UG/L	
RDX	190	UG/L	RBTL
Total Metals			
BARIUM	32.8	UG/L	RBTL
Miscellaneous Inorganics			
CHLORIDE	6	MG/L	
SULFATE	120	MG/L	
Organics			
TOTAL ORGANIC HALOGENS	0.62	MG/L	
Volatiles			
CIS-1,2-DICHLOROETHENE	86	UG/L	RBTL
TRANS-1,2-DICHLOROETHENE	6	UG/L	
TRICHLOROETHENE	2000	UG/L	RBTL
Dissolved Metals			
BARIUM	31.5	UG/L	RBTL
CALCIUM	99600	UG/L	
MAGNESIUM	38000	UG/L	
POTASSIUM	2210	UG/L	
SODIUM	11800	UG/L	

Well 03C30 Quarter 2			
Total Metals			
BARIUM	56.4	UG/L	RBTL
ZINC	25.4	UG/L	
Miscellaneous Inorganics			
CHLORIDE	2	MG/L	
SULFATE	110	MG/L	
Dissolved Metals			
BARIUM	39.4	UG/L	RBTL
CALCIUM	27100	UG/L	
MAGNESIUM	23900	UG/L	
POTASSIUM	3050	UG/L	
SODIUM	101000	UG/L	

Well 03C08P2 Quarter 2			
Explosives			
2-AMINO-4,6-DINITROTOLUENE	1.8	UG/L	
4-AMINO-2,6-DINITROTOLUENE	2.5	UG/L	
HMX	31	UG/L	
RDX	77	UG/L	RBTL
Miscellaneous Inorganics			
CHLORIDE	12	MG/L	
SULFATE	130	MG/L	
Volatiles			
TRICHLOROETHENE	53	UG/L	RBTL
CIS-1,2-DICHLOROETHENE	13	UG/L	
Total Metals			
BARIUM	65	UG/L	RBTL
ZINC	19.6	UG/L	
Dissolved Metals			
BARIUM	61	UG/L	RBTL
CALCIUM	130000	UG/L	
MAGNESIUM	50800	UG/L	
POTASSIUM	13700	UG/L	
SODIUM	18400	UG/L	

Well 03C25 Quarter 2			
Total Metals			
BARIUM	16.3	UG/L	RBTL
Miscellaneous Inorganics			
CHLORIDE	2	MG/L	
SULFATE	250	MG/L	
Dissolved Metals			
BARIUM	15.4	UG/L	RBTL
CALCIUM	104000	UG/L	
MAGNESIUM	61000	UG/L	
POTASSIUM	2620	UG/L	
SODIUM	70000	UG/L	

Figure 8.1.2
ORGANIC AND INORGANIC DETECTIONS
IN GROUNDWATER

AMMUNITION BURNING GROUNDS
2ND QUARTER 2004
AQUIFER: BEECH CREEK

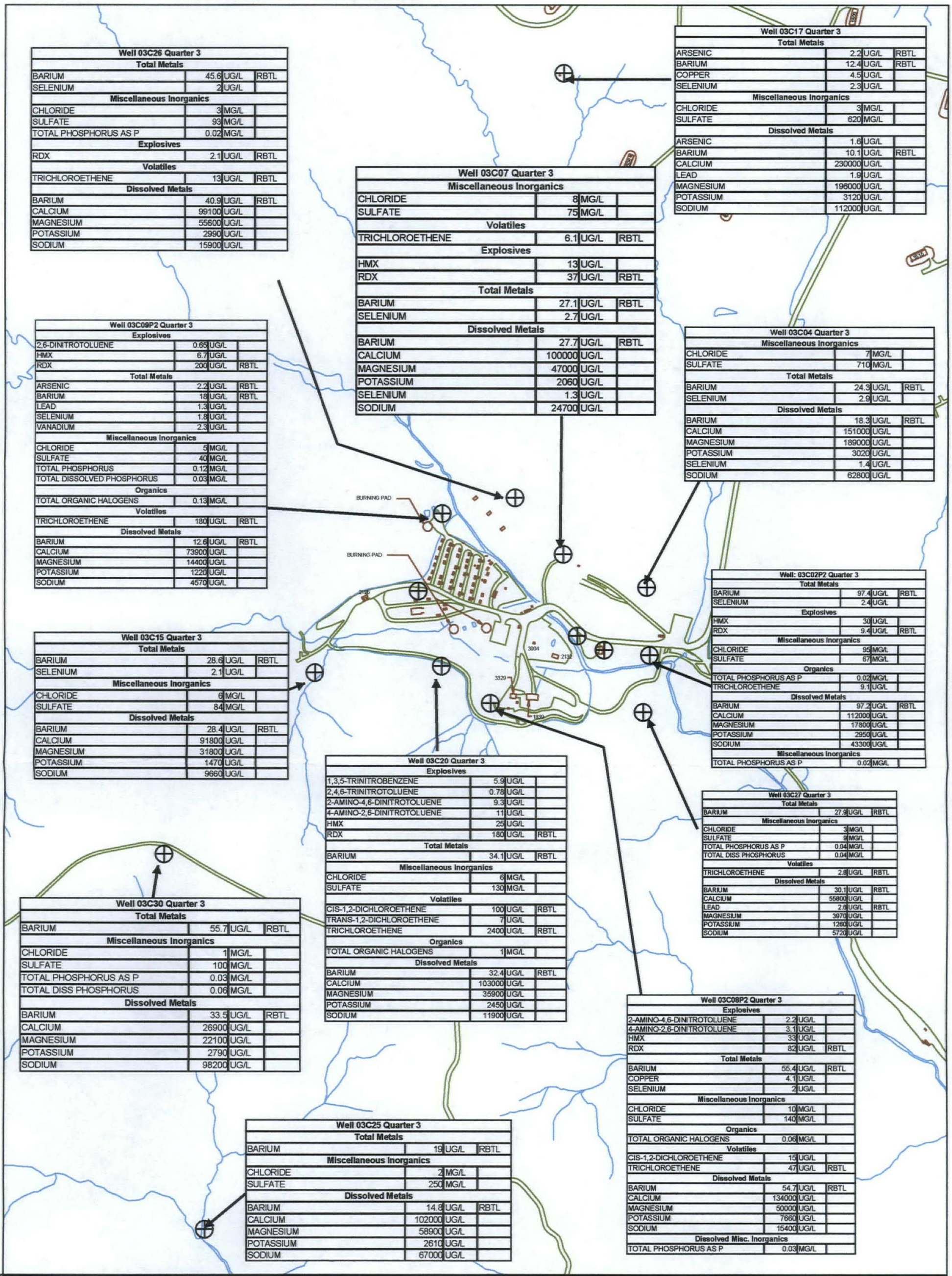
⊕ ABG Monitoring Wells

Roads

Streams

N
W E
S

0 350 700 1,400
Feet



Well 03C26 Quarter 3			
Total Metals			
BARIUM	45.6	UG/L	RBTL
SELENIUM	2	UG/L	
Miscellaneous Inorganics			
CHLORIDE	3	MG/L	
SULFATE	93	MG/L	
TOTAL PHOSPHORUS AS P	0.02	MG/L	
Explosives			
RDX	2.1	UG/L	RBTL
Volatiles			
TRICHLOROETHENE	13	UG/L	RBTL
Dissolved Metals			
BARIUM	40.9	UG/L	RBTL
CALCIUM	99100	UG/L	
MAGNESIUM	55600	UG/L	
POTASSIUM	2990	UG/L	
SODIUM	15900	UG/L	

Well 03C17 Quarter 3			
Total Metals			
ARSENIC	2.2	UG/L	RBTL
BARIUM	12.4	UG/L	RBTL
COPPER	4.5	UG/L	
SELENIUM	2.3	UG/L	
Miscellaneous Inorganics			
CHLORIDE	3	MG/L	
SULFATE	620	MG/L	
Dissolved Metals			
ARSENIC	1.6	UG/L	
BARIUM	10.1	UG/L	RBTL
CALCIUM	230000	UG/L	
LEAD	1.9	UG/L	
MAGNESIUM	196000	UG/L	
POTASSIUM	3120	UG/L	
SODIUM	112000	UG/L	

Well 03C07 Quarter 3			
Miscellaneous Inorganics			
CHLORIDE	8	MG/L	
SULFATE	75	MG/L	
Volatiles			
TRICHLOROETHENE	6.1	UG/L	RBTL
Explosives			
HMX	13	UG/L	
RDX	37	UG/L	RBTL
Total Metals			
BARIUM	27.1	UG/L	RBTL
SELENIUM	2.7	UG/L	
Dissolved Metals			
BARIUM	27.7	UG/L	RBTL
CALCIUM	100000	UG/L	
MAGNESIUM	47000	UG/L	
POTASSIUM	2060	UG/L	
SELENIUM	1.3	UG/L	
SODIUM	24700	UG/L	

Well 03C09P2 Quarter 3			
Explosives			
2,6-DINITROTOLUENE	0.65	UG/L	
HMX	6.7	UG/L	
RDX	200	UG/L	RBTL
Total Metals			
ARSENIC	2.2	UG/L	RBTL
BARIUM	18	UG/L	RBTL
LEAD	1.3	UG/L	
SELENIUM	1.8	UG/L	
VANADIUM	2.3	UG/L	
Miscellaneous Inorganics			
CHLORIDE	5	MG/L	
SULFATE	40	MG/L	
TOTAL PHOSPHORUS	0.12	MG/L	
TOTAL DISSOLVED PHOSPHORUS	0.03	MG/L	
Organics			
TOTAL ORGANIC HALOGENS	0.13	MG/L	
Volatiles			
TRICHLOROETHENE	180	UG/L	RBTL
Dissolved Metals			
BARIUM	12.6	UG/L	RBTL
CALCIUM	73900	UG/L	
MAGNESIUM	14400	UG/L	
POTASSIUM	1220	UG/L	
SODIUM	4570	UG/L	

Well 03C04 Quarter 3			
Miscellaneous Inorganics			
CHLORIDE	7	MG/L	
SULFATE	710	MG/L	
Total Metals			
BARIUM	24.3	UG/L	RBTL
SELENIUM	2.9	UG/L	
Dissolved Metals			
BARIUM	18.3	UG/L	RBTL
CALCIUM	151000	UG/L	
MAGNESIUM	189000	UG/L	
POTASSIUM	3020	UG/L	
SELENIUM	1.4	UG/L	
SODIUM	62800	UG/L	

Well: 03C02P2 Quarter 3			
Total Metals			
BARIUM	97.4	UG/L	RBTL
SELENIUM	2.4	UG/L	
Explosives			
HMX	30	UG/L	
RDX	9.4	UG/L	RBTL
Miscellaneous Inorganics			
CHLORIDE	95	MG/L	
SULFATE	67	MG/L	
Organics			
TOTAL PHOSPHORUS AS P	0.02	MG/L	
TRICHLOROETHENE	9.1	UG/L	
Dissolved Metals			
BARIUM	97.2	UG/L	RBTL
CALCIUM	112000	UG/L	
MAGNESIUM	17800	UG/L	
POTASSIUM	2950	UG/L	
SODIUM	43300	UG/L	
Miscellaneous Inorganics			
TOTAL PHOSPHORUS AS P	0.02	MG/L	

Well 03C15 Quarter 3			
Total Metals			
BARIUM	28.6	UG/L	RBTL
SELENIUM	2.1	UG/L	
Miscellaneous Inorganics			
CHLORIDE	6	MG/L	
SULFATE	84	MG/L	
Dissolved Metals			
BARIUM	28.4	UG/L	RBTL
CALCIUM	91800	UG/L	
MAGNESIUM	31800	UG/L	
POTASSIUM	1470	UG/L	
SODIUM	9660	UG/L	

Well 03C20 Quarter 3			
Explosives			
1,3,5-TRINITROBENZENE	5.9	UG/L	
2,4,6-TRINITROTOLUENE	0.78	UG/L	
2-AMINO-4,6-DINITROTOLUENE	9.3	UG/L	
4-AMINO-2,6-DINITROTOLUENE	11	UG/L	
HMX	25	UG/L	
RDX	180	UG/L	RBTL
Total Metals			
BARIUM	34.1	UG/L	RBTL
Miscellaneous Inorganics			
CHLORIDE	6	MG/L	
SULFATE	130	MG/L	
Volatiles			
CIS-1,2-DICHLOROETHENE	100	UG/L	RBTL
TRANS-1,2-DICHLOROETHENE	7	UG/L	
TRICHLOROETHENE	2400	UG/L	RBTL
Organics			
TOTAL ORGANIC HALOGENS	1	MG/L	
Dissolved Metals			
BARIUM	32.4	UG/L	RBTL
CALCIUM	103000	UG/L	
MAGNESIUM	35900	UG/L	
POTASSIUM	2450	UG/L	
SODIUM	11900	UG/L	

Well 03C27 Quarter 3			
Total Metals			
BARIUM	27.9	UG/L	RBTL
Miscellaneous Inorganics			
CHLORIDE	3	MG/L	
SULFATE	9	MG/L	
TOTAL PHOSPHORUS AS P	0.04	MG/L	
TOTAL DISS PHOSPHORUS	0.04	MG/L	
Volatiles			
TRICHLOROETHENE	2.8	UG/L	RBTL
Dissolved Metals			
BARIUM	30.1	UG/L	RBTL
CALCIUM	55800	UG/L	
LEAD	2.6	UG/L	RBTL
MAGNESIUM	3970	UG/L	
POTASSIUM	1260	UG/L	
SODIUM	5720	UG/L	

Well 03C30 Quarter 3			
Total Metals			
BARIUM	55.7	UG/L	RBTL
Miscellaneous Inorganics			
CHLORIDE	1	MG/L	
SULFATE	100	MG/L	
TOTAL PHOSPHORUS AS P	0.03	MG/L	
TOTAL DISS PHOSPHORUS	0.06	MG/L	
Dissolved Metals			
BARIUM	33.5	UG/L	RBTL
CALCIUM	26900	UG/L	
MAGNESIUM	22100	UG/L	
POTASSIUM	2790	UG/L	
SODIUM	98200	UG/L	

Well 03C08P2 Quarter 3			
Explosives			
2-AMINO-4,6-DINITROTOLUENE	2.2	UG/L	
4-AMINO-2,6-DINITROTOLUENE	3.1	UG/L	
HMX	33	UG/L	
RDX	82	UG/L	RBTL
Total Metals			
BARIUM	55.4	UG/L	RBTL
COPPER	4.1	UG/L	
SELENIUM	2	UG/L	
Miscellaneous Inorganics			
CHLORIDE	10	MG/L	
SULFATE	140	MG/L	
Organics			
TOTAL ORGANIC HALOGENS	0.06	MG/L	
Volatiles			
CIS-1,2-DICHLOROETHENE	15	UG/L	
TRICHLOROETHENE	47	UG/L	RBTL
Dissolved Metals			
BARIUM	54.7	UG/L	RBTL
CALCIUM	134000	UG/L	
MAGNESIUM	50000	UG/L	
POTASSIUM	7660	UG/L	
SODIUM	15400	UG/L	
Dissolved Misc. Inorganics			
TOTAL PHOSPHORUS AS P	0.03	MG/L	

Well 03C25 Quarter 3			
Total Metals			
BARIUM	19	UG/L	RBTL
Miscellaneous Inorganics			
CHLORIDE	2	MG/L	
SULFATE	250	MG/L	
Dissolved Metals			
BARIUM	14.8	UG/L	RBTL
CALCIUM	102000	UG/L	
MAGNESIUM	58900	UG/L	
POTASSIUM	2610	UG/L	
SODIUM	67000	UG/L	

Figure 8.1.3
ORGANIC AND INORGANIC DETECTIONS
IN GROUNDWATER

AMMUNITION BURNING GROUNDS
3RD QUARTER 2004
AQUIFER: BEECH CREEK

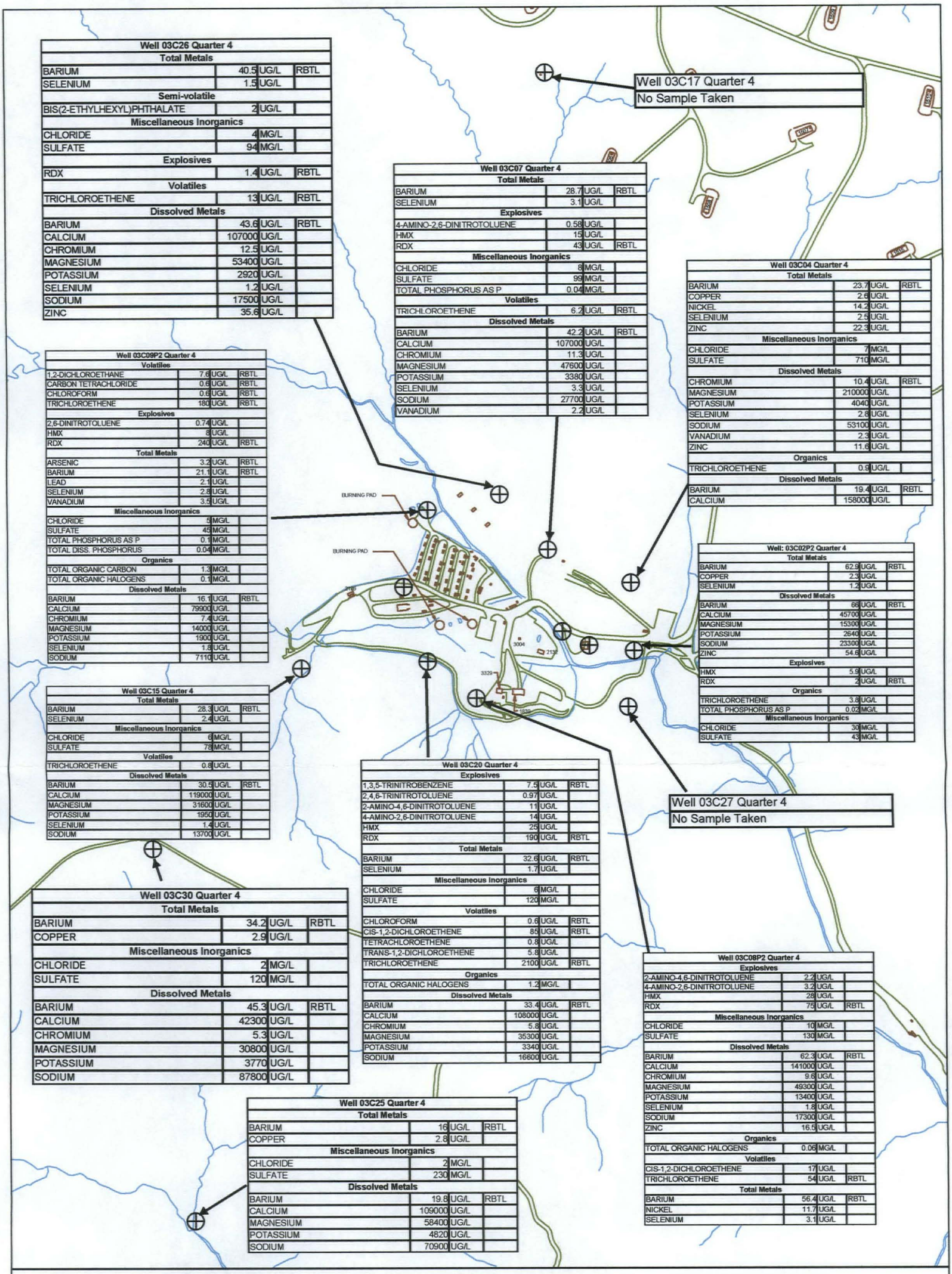
⊕ ABG Monitoring Wells

Roads

Streams

N
W E
S

0 350 700 1,400
Feet



Well 03C26 Quarter 4			
Total Metals			
BARIUM	40.5	UG/L	RBTL
SELENIUM	1.5	UG/L	
Semi-volatile			
BIS(2-ETHYLHEXYL)PHTHALATE	2	UG/L	
Miscellaneous Inorganics			
CHLORIDE	4	MG/L	
SULFATE	94	MG/L	
Explosives			
RDX	1.4	UG/L	RBTL
Volatiles			
TRICHLOROETHENE	13	UG/L	RBTL
Dissolved Metals			
BARIUM	43.6	UG/L	RBTL
CALCIUM	107000	UG/L	
CHROMIUM	12.5	UG/L	
MAGNESIUM	53400	UG/L	
POTASSIUM	2920	UG/L	
SELENIUM	1.2	UG/L	
SODIUM	17500	UG/L	
ZINC	35.6	UG/L	

Well 03C07 Quarter 4			
Total Metals			
BARIUM	28.7	UG/L	RBTL
SELENIUM	3.1	UG/L	
Explosives			
4-AMINO-2,6-DINITROTOLUENE	0.58	UG/L	
HMX	15	UG/L	
RDX	43	UG/L	RBTL
Miscellaneous Inorganics			
CHLORIDE	8	MG/L	
SULFATE	99	MG/L	
TOTAL PHOSPHORUS AS P	0.04	MG/L	
Volatiles			
TRICHLOROETHENE	6.2	UG/L	RBTL
Dissolved Metals			
BARIUM	42.2	UG/L	RBTL
CALCIUM	107000	UG/L	
CHROMIUM	11.3	UG/L	
MAGNESIUM	47600	UG/L	
POTASSIUM	3380	UG/L	
SELENIUM	3.3	UG/L	
SODIUM	27700	UG/L	
VANADIUM	2.2	UG/L	

Well 03C04 Quarter 4			
Total Metals			
BARIUM	23.7	UG/L	RBTL
COPPER	2.6	UG/L	
NICKEL	14.2	UG/L	
SELENIUM	2.5	UG/L	
ZINC	22.3	UG/L	
Miscellaneous Inorganics			
CHLORIDE	7	MG/L	
SULFATE	710	MG/L	
Dissolved Metals			
CHROMIUM	10.4	UG/L	RBTL
MAGNESIUM	210000	UG/L	
POTASSIUM	4040	UG/L	
SELENIUM	2.8	UG/L	
SODIUM	53100	UG/L	
VANADIUM	2.3	UG/L	
ZINC	11.6	UG/L	
Organics			
TRICHLOROETHENE	0.9	UG/L	
Dissolved Metals			
BARIUM	19.4	UG/L	RBTL
CALCIUM	158000	UG/L	

Well 03C09P2 Quarter 4			
Volatiles			
1,2-DICHLOROETHANE	7.6	UG/L	RBTL
CARBON TETRACHLORIDE	0.6	UG/L	RBTL
CHLOROFORM	0.6	UG/L	RBTL
TRICHLOROETHENE	180	UG/L	RBTL
Explosives			
2,6-DINITROTOLUENE	0.74	UG/L	
HMX	8	UG/L	
RDX	240	UG/L	RBTL
Total Metals			
ARSENIC	3.2	UG/L	RBTL
BARIUM	21.1	UG/L	RBTL
LEAD	2.1	UG/L	
SELENIUM	2.8	UG/L	
VANADIUM	3.5	UG/L	
Miscellaneous Inorganics			
CHLORIDE	5	MG/L	
SULFATE	45	MG/L	
TOTAL PHOSPHORUS AS P	0.1	MG/L	
TOTAL DISS. PHOSPHORUS	0.04	MG/L	
Organics			
TOTAL ORGANIC CARBON	1.3	MG/L	
TOTAL ORGANIC HALOGENS	0.1	MG/L	
Dissolved Metals			
BARIUM	16.1	UG/L	RBTL
CALCIUM	79900	UG/L	
CHROMIUM	7.4	UG/L	
MAGNESIUM	14000	UG/L	
POTASSIUM	1900	UG/L	
SELENIUM	1.8	UG/L	
SODIUM	7110	UG/L	

Well: 03C02P2 Quarter 4			
Total Metals			
BARIUM	62.9	UG/L	RBTL
COPPER	2.3	UG/L	
SELENIUM	1.2	UG/L	
Dissolved Metals			
BARIUM	66	UG/L	RBTL
CALCIUM	45700	UG/L	
MAGNESIUM	15300	UG/L	
POTASSIUM	2640	UG/L	
SODIUM	23300	UG/L	
ZINC	54.6	UG/L	
Explosives			
HMX	5.9	UG/L	
RDX	2	UG/L	RBTL
Organics			
TRICHLOROETHENE	3.8	UG/L	
TOTAL PHOSPHORUS AS P	0.02	MG/L	
Miscellaneous Inorganics			
CHLORIDE	30	MG/L	
SULFATE	43	MG/L	

Well 03C15 Quarter 4			
Total Metals			
BARIUM	28.3	UG/L	RBTL
SELENIUM	2.4	UG/L	
Miscellaneous Inorganics			
CHLORIDE	6	MG/L	
SULFATE	78	MG/L	
Volatiles			
TRICHLOROETHENE	0.8	UG/L	
Dissolved Metals			
BARIUM	30.5	UG/L	RBTL
CALCIUM	119000	UG/L	
MAGNESIUM	31600	UG/L	
POTASSIUM	1950	UG/L	
SELENIUM	1.4	UG/L	
SODIUM	13700	UG/L	

Well 03C20 Quarter 4			
Explosives			
1,3,5-TRINITROBENZENE	7.5	UG/L	RBTL
2,4,6-TRINITROTOLUENE	0.97	UG/L	
2-AMINO-4,6-DINITROTOLUENE	11	UG/L	
4-AMINO-2,6-DINITROTOLUENE	14	UG/L	
HMX	25	UG/L	
RDX	190	UG/L	RBTL
Total Metals			
BARIUM	32.6	UG/L	RBTL
SELENIUM	1.7	UG/L	
Miscellaneous Inorganics			
CHLORIDE	6	MG/L	
SULFATE	120	MG/L	
Volatiles			
CHLOROFORM	0.6	UG/L	RBTL
CIS-1,2-DICHLOROETHENE	85	UG/L	RBTL
TETRACHLOROETHENE	0.8	UG/L	
TRANS-1,2-DICHLOROETHENE	5.8	UG/L	
TRICHLOROETHENE	2100	UG/L	RBTL
Organics			
TOTAL ORGANIC HALOGENS	1.2	MG/L	
Dissolved Metals			
BARIUM	33.4	UG/L	RBTL
CALCIUM	108000	UG/L	
CHROMIUM	5.8	UG/L	
MAGNESIUM	35300	UG/L	
POTASSIUM	3340	UG/L	
SODIUM	16600	UG/L	

Well 03C30 Quarter 4			
Total Metals			
BARIUM	34.2	UG/L	RBTL
COPPER	2.9	UG/L	
Miscellaneous Inorganics			
CHLORIDE	2	MG/L	
SULFATE	120	MG/L	
Dissolved Metals			
BARIUM	45.3	UG/L	RBTL
CALCIUM	42300	UG/L	
CHROMIUM	5.3	UG/L	
MAGNESIUM	30800	UG/L	
POTASSIUM	3770	UG/L	
SODIUM	87800	UG/L	

Well 03C08P2 Quarter 4			
Explosives			
2-AMINO-4,6-DINITROTOLUENE	2.2	UG/L	
4-AMINO-2,6-DINITROTOLUENE	3.2	UG/L	
HMX	28	UG/L	
RDX	75	UG/L	RBTL
Miscellaneous Inorganics			
CHLORIDE	10	MG/L	
SULFATE	130	MG/L	
Dissolved Metals			
BARIUM	62.3	UG/L	RBTL
CALCIUM	141000	UG/L	
CHROMIUM	9.6	UG/L	
MAGNESIUM	49300	UG/L	
POTASSIUM	13400	UG/L	
SELENIUM	1.8	UG/L	
SODIUM	17300	UG/L	
ZINC	16.5	UG/L	
Organics			
TOTAL ORGANIC HALOGENS	0.06	MG/L	
Volatiles			
CIS-1,2-DICHLOROETHENE	17	UG/L	
TRICHLOROETHENE	54	UG/L	RBTL
Total Metals			
BARIUM	56.4	UG/L	RBTL
NICKEL	11.7	UG/L	
SELENIUM	3.1	UG/L	

Well 03C25 Quarter 4			
Total Metals			
BARIUM	16	UG/L	RBTL
COPPER	2.8	UG/L	
Miscellaneous Inorganics			
CHLORIDE	2	MG/L	
SULFATE	230	MG/L	
Dissolved Metals			
BARIUM	19.8	UG/L	RBTL
CALCIUM	109000	UG/L	
MAGNESIUM	58400	UG/L	
POTASSIUM	4820	UG/L	
SODIUM	70900	UG/L	

Figure 8.1.4
ORGANIC AND INORGANIC DETECTIONS IN GROUNDWATER

AMMUNITION BURNING GROUNDS
4TH QUARTER 2004
AQUIFER: BEECH CREEK

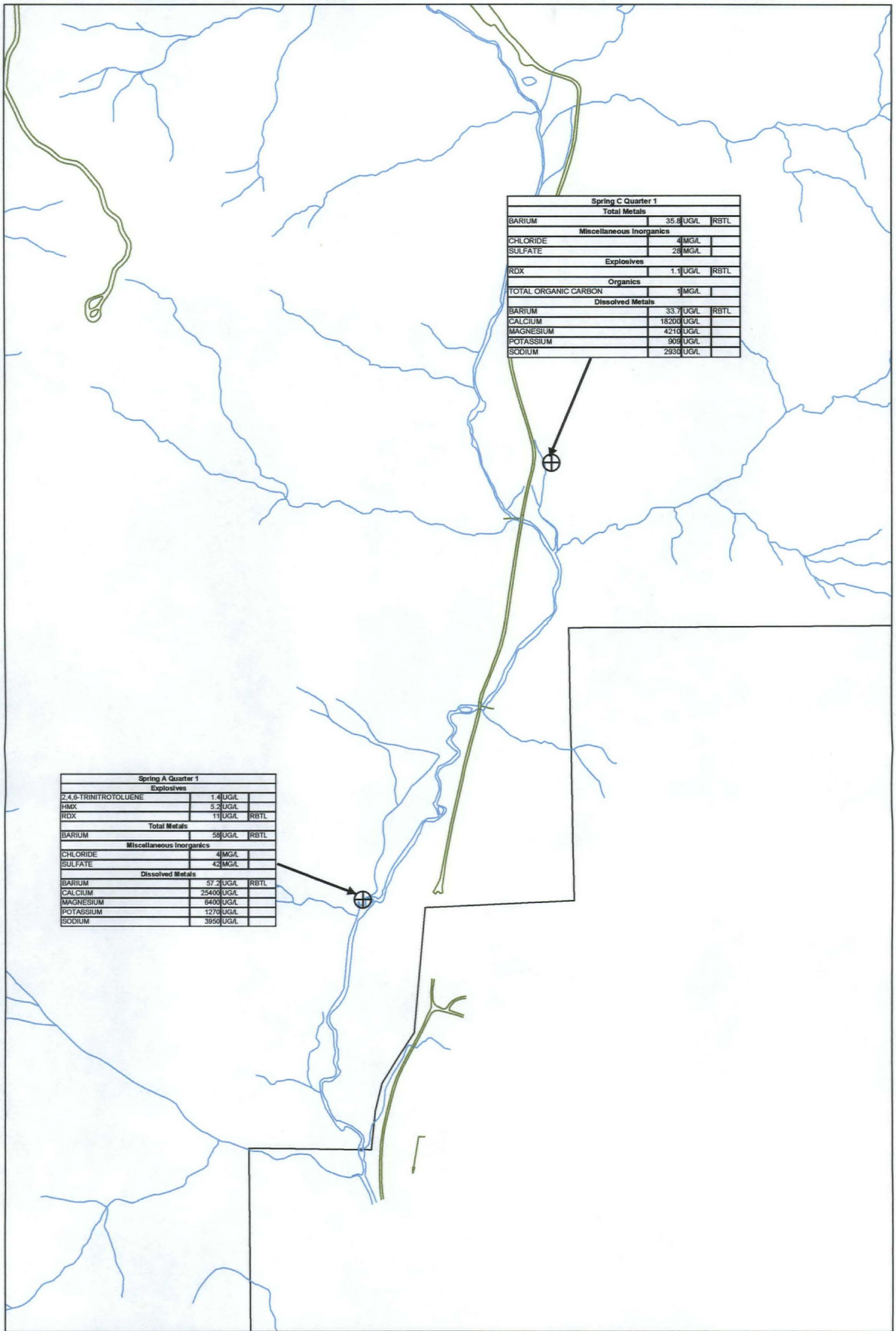
⊕ ABG Monitoring Wells

Roads

Streams

N
W E
S

0 350 700 1,400 Feet



Spring C Quarter 1			
Total Metals			
BARIUM	35.8	UG/L	RBTL
Miscellaneous Inorganics			
CHLORIDE	4	MG/L	
SULFATE	28	MG/L	
Explosives			
RDX	1.1	UG/L	RBTL
Organics			
TOTAL ORGANIC CARBON	1	MG/L	
Dissolved Metals			
BARIUM	33.7	UG/L	RBTL
CALCIUM	18200	UG/L	
MAGNESIUM	4210	UG/L	
POTASSIUM	909	UG/L	
SODIUM	2930	UG/L	

Spring A Quarter 1			
Explosives			
2,4,6-TRINITROTOLUENE	1.4	UG/L	
HMX	5.2	UG/L	
RDX	11	UG/L	RBTL
Total Metals			
BARIUM	58	UG/L	RBTL
Miscellaneous Inorganics			
CHLORIDE	4	MG/L	
SULFATE	42	MG/L	
Dissolved Metals			
BARIUM	57.2	UG/L	RBTL
CALCIUM	25400	UG/L	
MAGNESIUM	6400	UG/L	
POTASSIUM	1270	UG/L	
SODIUM	3950	UG/L	

Figure 8.1.5
ORGANIC AND INORGANIC DETECTIONS

SPRINGS
1ST QUARTER, 2004

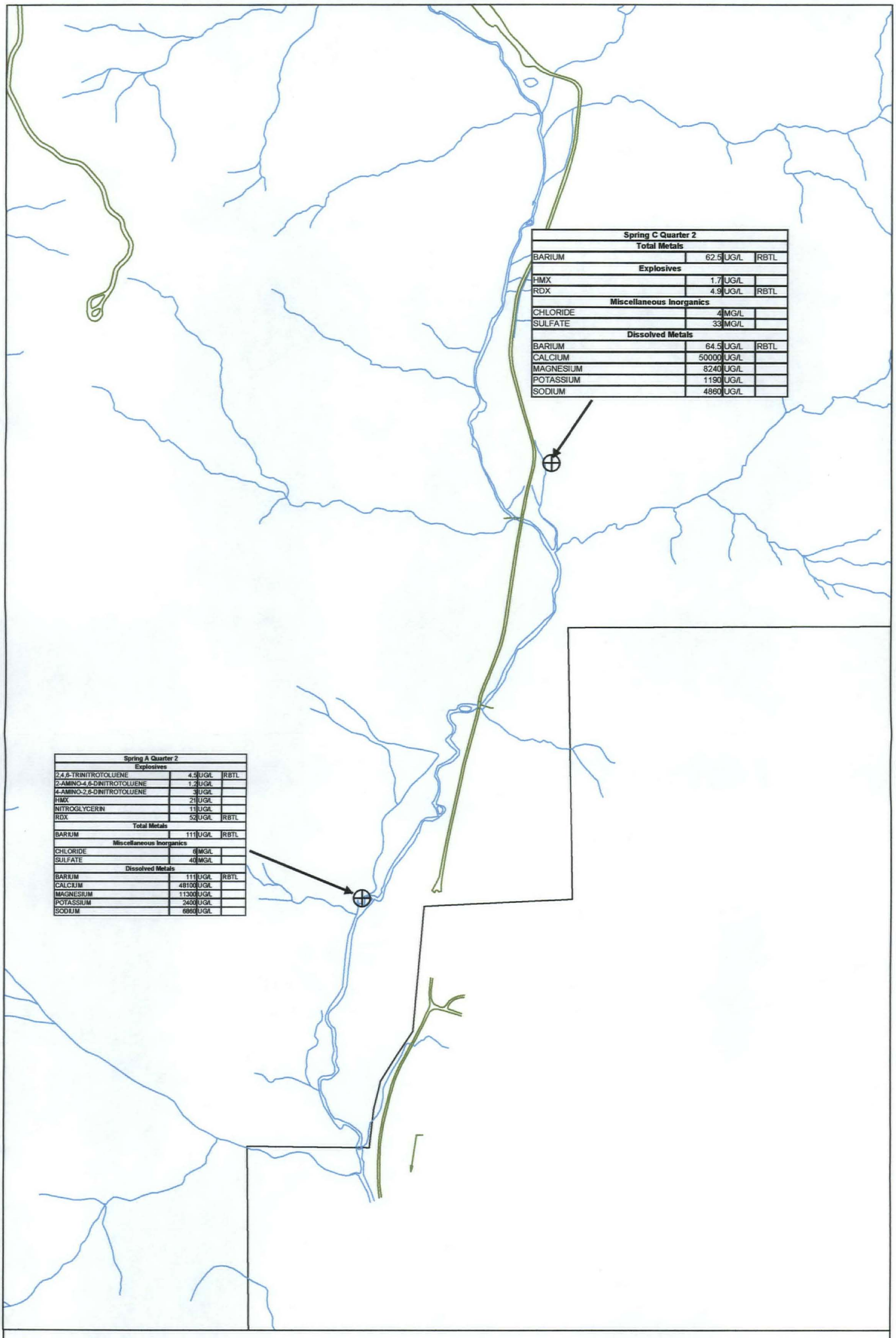


Figure 8.1.6
ORGANIC AND INORGANIC DETECTIONS

SPRINGS
2ND QUARTER, 2004

Springs
Roads
Fence
Streams

N
W E
S

0 387.5 775 1,550
Feet

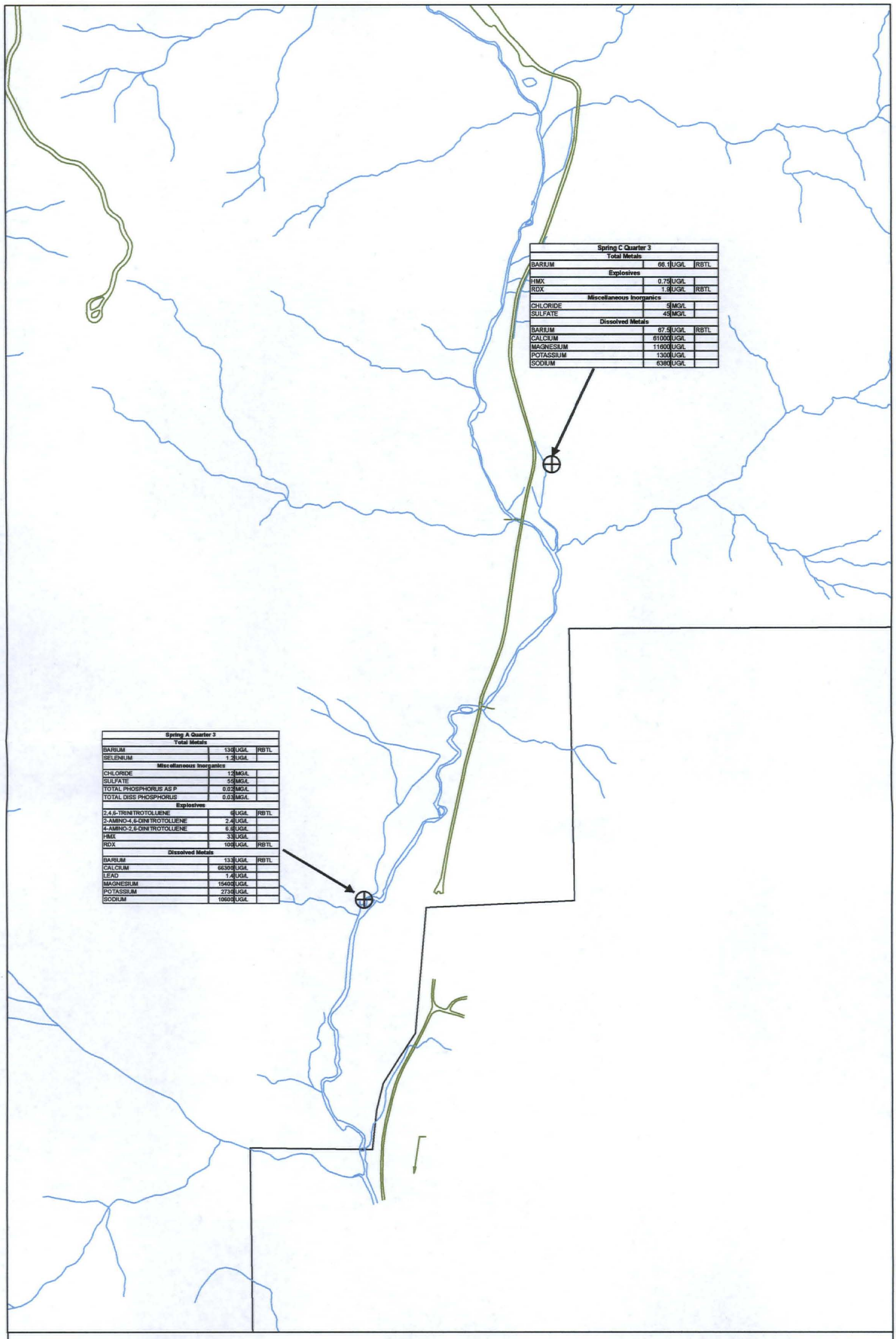
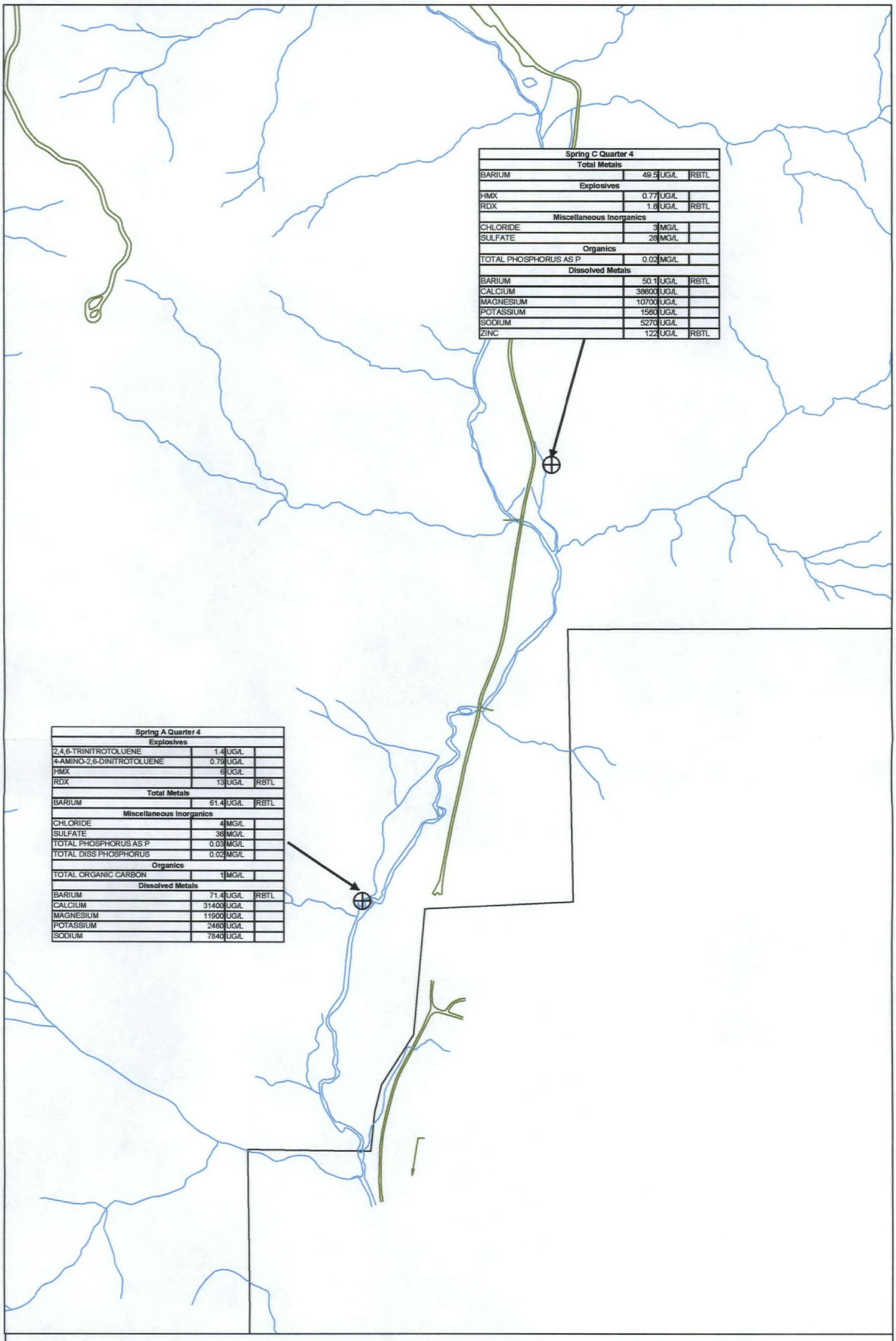


Figure 8.1.7
ORGANIC AND INORGANIC DETECTIONS

SPRINGS
3RD QUARTER, 2004



Spring C Quarter 4			
Total Metals			
BARIUM	49.5	UG/L	RBTL
Explosives			
HMX	0.77	UG/L	
RDX	1.8	UG/L	RBTL
Miscellaneous Inorganics			
CHLORIDE	3	MG/L	
SULFATE	28	MG/L	
Organics			
TOTAL PHOSPHORUS AS P	0.02	MG/L	
Dissolved Metals			
BARIUM	50.1	UG/L	RBTL
CALCIUM	38600	UG/L	
MAGNESIUM	10700	UG/L	
POTASSIUM	1560	UG/L	
SODIUM	5270	UG/L	
ZINC	122	UG/L	RBTL

Spring A Quarter 4			
Explosives			
2,4,6-TRINITROTOLUENE	1.4	UG/L	
4-AMINO-2,6-DINITROTOLUENE	0.79	UG/L	
HMX	6	UG/L	
RDX	13	UG/L	RBTL
Total Metals			
BARIUM	61.4	UG/L	RBTL
Miscellaneous Inorganics			
CHLORIDE	4	MG/L	
SULFATE	36	MG/L	
TOTAL PHOSPHORUS AS P	0.03	MG/L	
TOTAL DISS PHOSPHORUS	0.02	MG/L	
Organics			
TOTAL ORGANIC CARBON	1	MG/L	
Dissolved Metals			
BARIUM	71.4	UG/L	RBTL
CALCIUM	31400	UG/L	
MAGNESIUM	11900	UG/L	
POTASSIUM	2460	UG/L	
SODIUM	7840	UG/L	

Figure 8.1.8
ORGANIC AND INORGANIC DETECTIONS

SPRINGS
4TH QUARTER, 2004

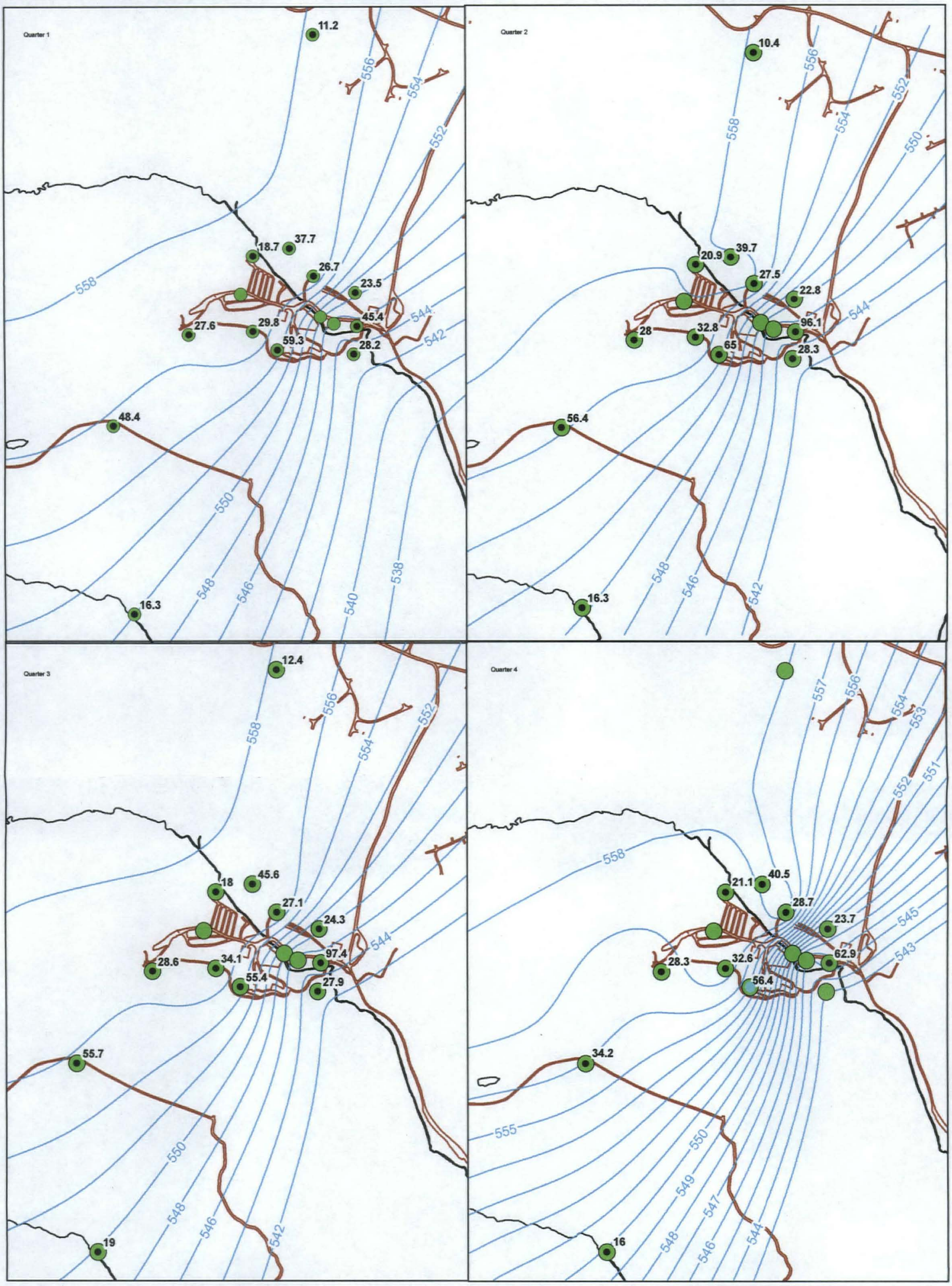


Figure 8.1.9 Quarterly Total Barium Concentrations in ABG Monitoring Wells

Ammunition Burning Ground
Aquifer: Beech Creek
Year: 2004

Concentration Units: Micrograms per Liter
Risk-Based Target Level = 3.9

- Detected Concentration
- Monitoring Wells
- Water Contour
- Streams
- Roads

N
W E
S

1,200 600 0 1,200 Feet

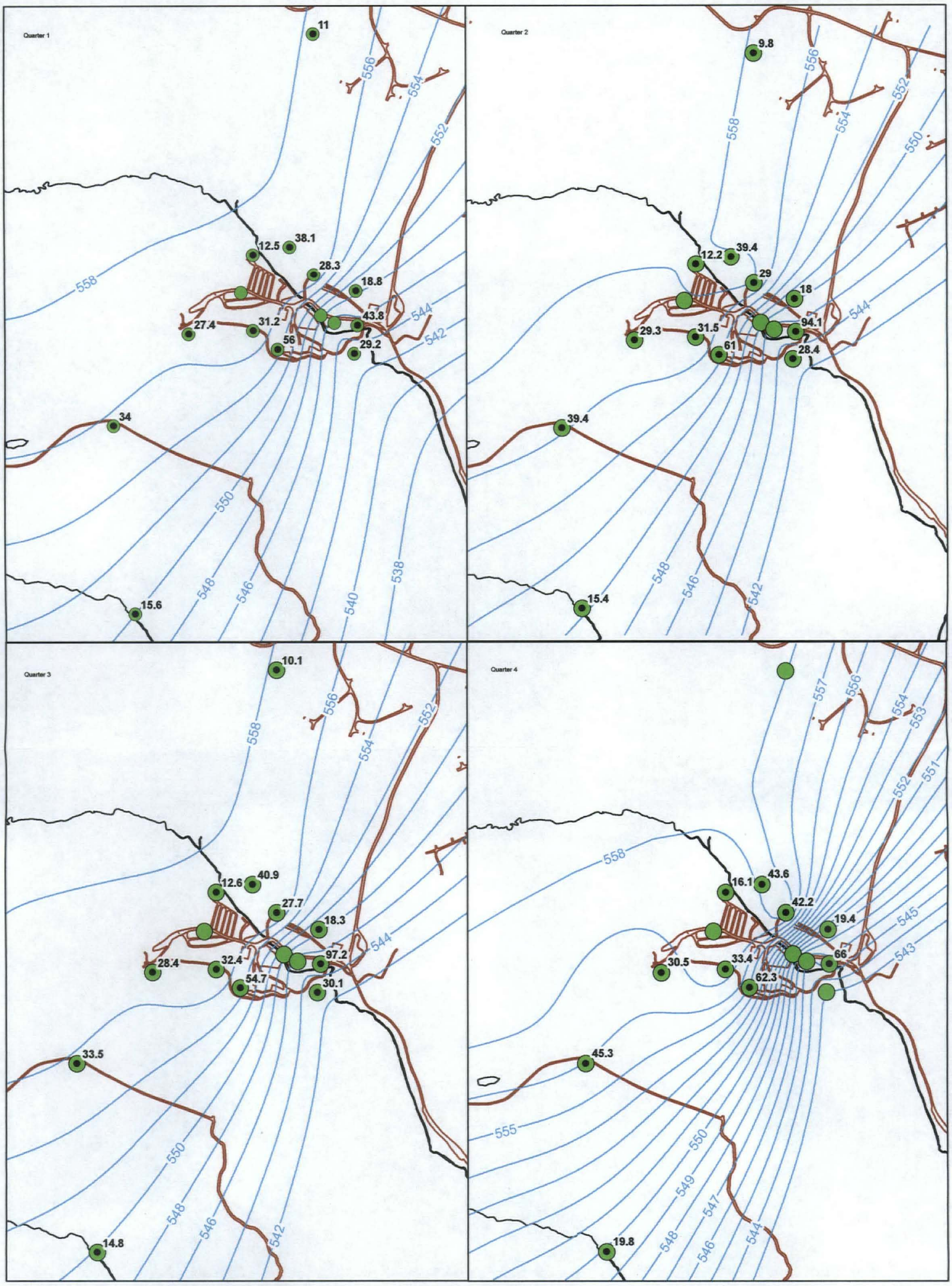


Figure 8.1.10 Quarterly Dissolved Barium Concentrations in ABG Monitoring Wells

Ammunition Burning Ground
Aquifer: Beech Creek
Year: 2004

Concentration Units: Micrograms per Liter
Risk-Based Target Level = 3.9

- Detected Concentration
- Monitoring Wells
- Water Contour
- Streams
- Roads

N
W E
S

1,200 600 0 1,200 Feet

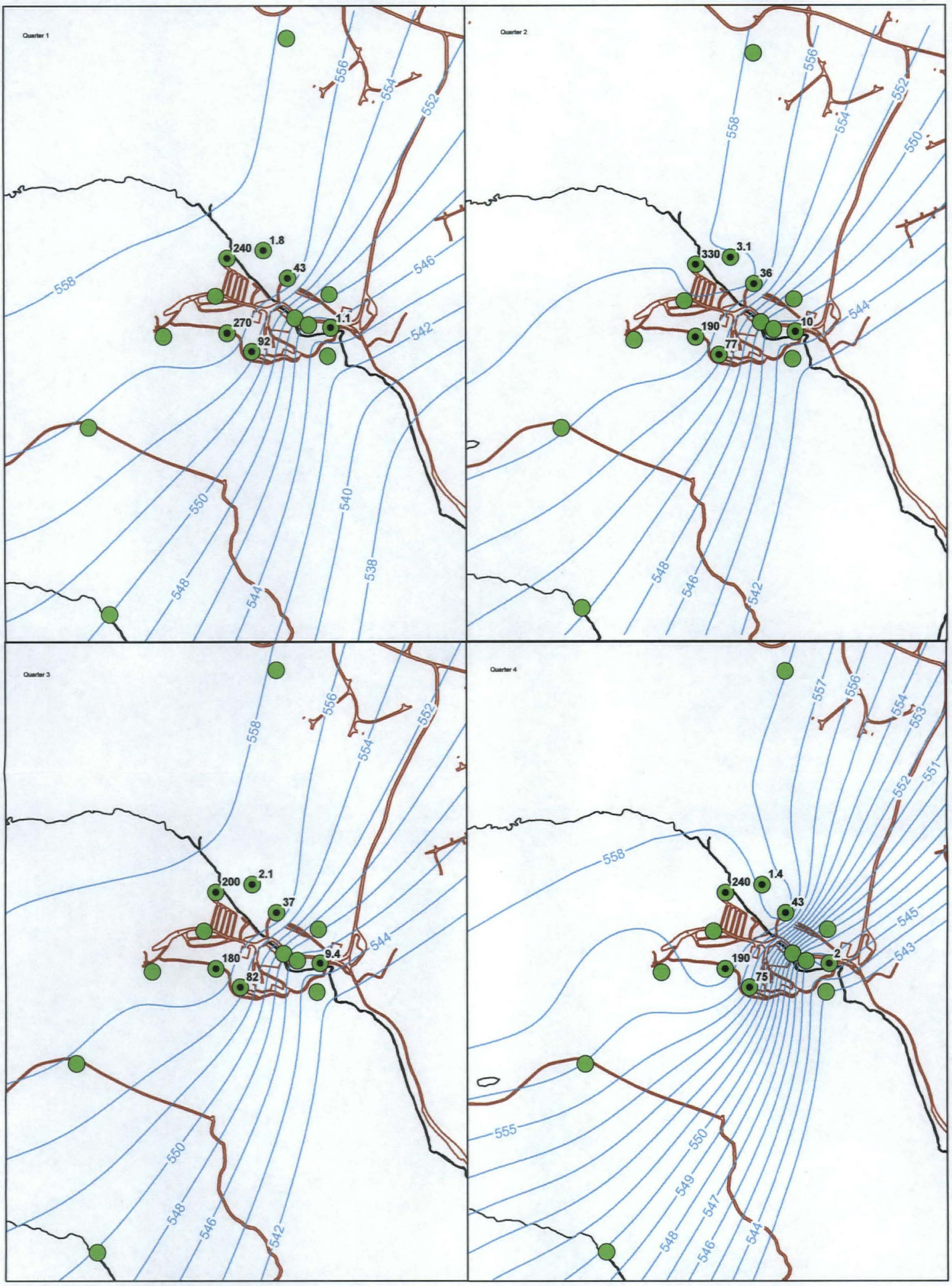


Figure 8.1.11 Quarterly RDX Concentrations in ABG Monitoring Wells

Ammunition Burning Ground
Aquifer: Beech Creek
Year: 2004

Concentration Units: Micrograms per Liter
Risk-Based Target Level = 0.61

- Detected Concentration
- Monitoring Wells
- Water Contour
- Streams
- Roads

N
W E
S

1,200 600 0 1,200 Feet

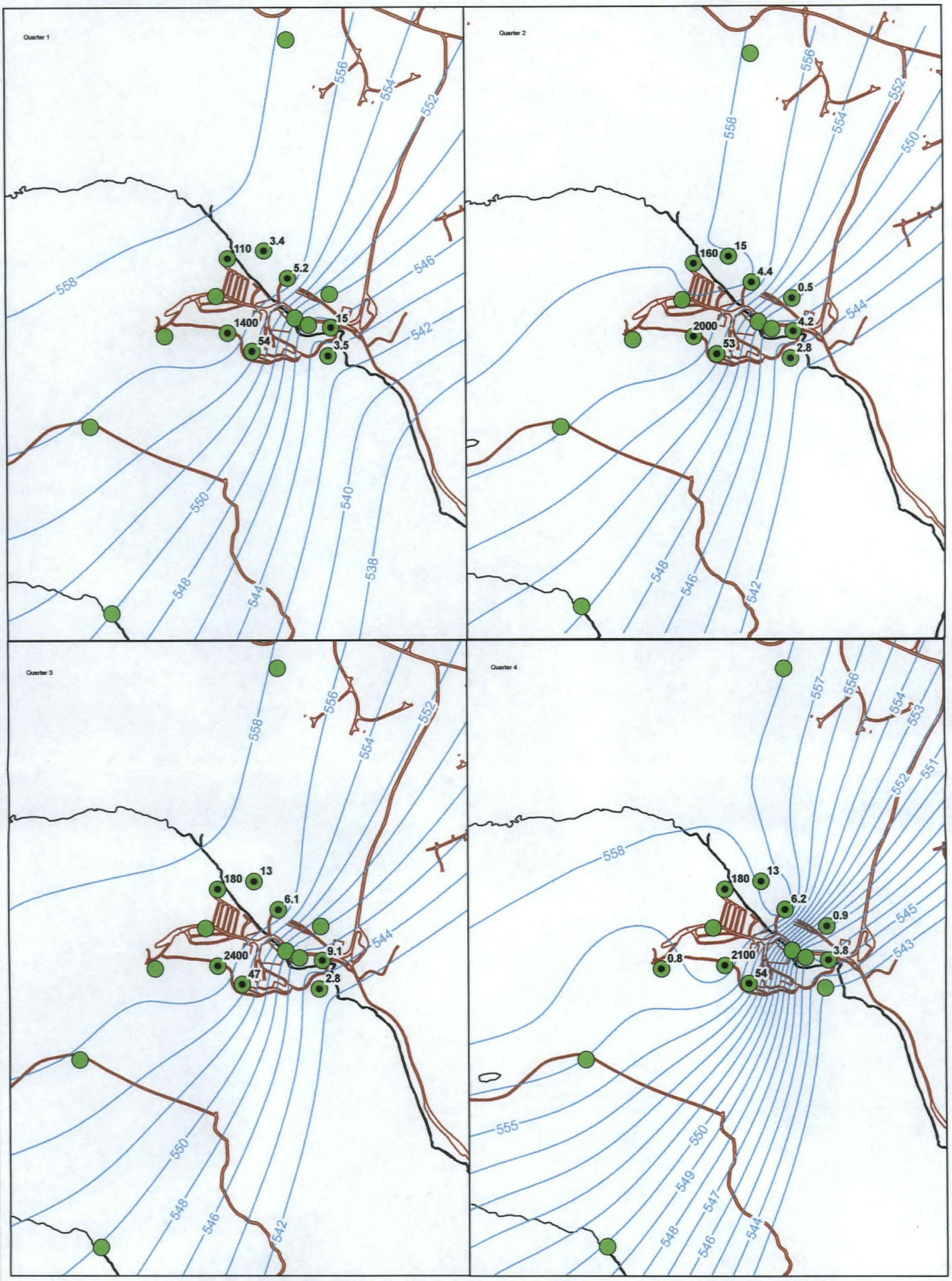


Figure 8.1.12 Quarterly Trichloroethene Concentrations in ABG Monitoring Wells

Ammunition Burning Ground
Aquifer: Beech Creek
Year: 2004

Concentration Units: Micrograms per Liter
Risk-Based Target Level = 1.6

Detected Concentration
Monitoring Wells
Water Contour
Streams
Roads

N
W E
S

1,200 600 0 1,200 Feet

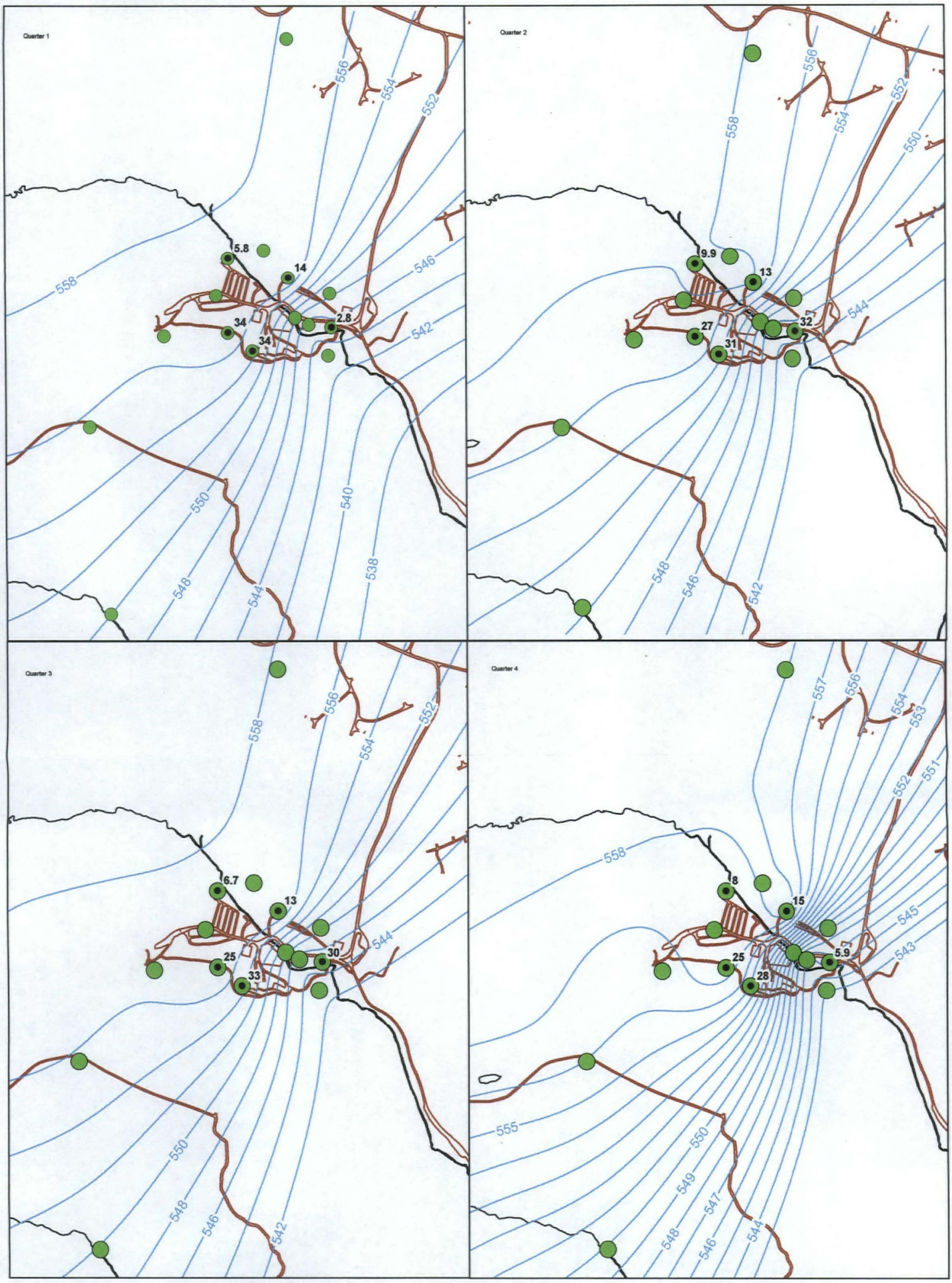


Figure 8.1.13 Quarterly HMX Concentrations in ABG Monitoring Wells

Ammunition Burning Ground
Aquifer: Beech Creek
Year: 2004

Concentration Units: Micrograms per Liter
Risk-Based Target Level = 1800

- Detected Concentration
- Monitoring Wells
- Water Contour
- Streams
- Roads

N
W E
S

1,200 600 0 1,200 Feet

8.2 Old Rifle Range

The well network at the Old Rifle Range monitors the Big Clifty sandstone and the Beech Creek limestone. The two formations are underlain by the Elwren shale aquiclude and are considered one aquifer. One monitoring well network, consisting of five wells, is screened in the upper part of the Big Clifty, including a portion of the thick soil zone that covers the site. The deeper monitoring well network, consisting of nine wells, is screened near the base of the Beech Creek. Comparisons of water levels between paired wells indicate little difference between the upper and lower wells. Groundwater flow through the limestone is primarily through a system of connected joints. The Big Clifty and Beech Creek formations beneath the ORR contain more open discontinuities than the same formations at other sites in the study area (Tetra Tech, 1999).

Metals and explosives were identified as contaminants at the ORR by the USACE sampling in the early 1990's (Murphy, 1995). The USACE identified arsenic, nickel, and manganese as statistically significant contaminants. Barium, copper, and antimony persisted in four rounds of sampling, but were considered naturally occurring or artifacts of sampling. TNT, RDX, and HMX were found "persistently" in five wells on the northern half of the ORR by the USACE.

Figures 8.2.1-8.2.4 show all detections by quarter for the Upper Big Clifty monitoring wells at the ORR. For associated lab qualifiers, please see Tables 6.2.1–6.2.5. Values that exceeded the RBTL are flagged. Detections in the Upper Big Clifty were predominantly metals and other inorganics. Detections of organics were limited to total organic carbon (TOC) and total organic halogens (TOX), with volatile organic compounds sampled only during the fourth quarter. No explosives were detected in any wells in any of the four sampling programs. Barium and manganese were the most frequently detected metals (100% and 95% of samples), usually at levels above the RBTL (100% of samples for both parameters). Other metals detected include total and dissolved arsenic (75% and 70% of samples) and dissolved antimony (22% of samples), which is down from 70% last year. Ammonia was persistent in nearly all downgradient wells.

Figures 8.2.5-8.2.8 show all detections, by quarter, for the Big Clifty/Beech Creek monitoring wells at the ORR. Values that exceeded the RBTL are flagged. Similar to results in the upper wells, detections in the lower wells were mainly metals and other inorganics. Barium and total and dissolved manganese were frequently detected (100%, 64% and 53% of samples, respectively), often above the RBTL (100%, 83% and 84% of samples, respectively). Total and dissolved arsenic was also detected with some frequency (55% and 44% of samples), however, above the RBTL less frequently (45% and 55% of samples) than barium and manganese. Dissolved antimony was detected in 50% of samples collected, but none of the results were above the RBTL. Zinc occurred in 25% of samples, 11% of those (1 sample) being above the RBTL. The only detection of organics was the persistent detection of total organic carbon (TOC) in well C13 and a single positive in well 06C16 in the second quarter. Detections of explosives at the ORR were limited to 2,4,6-trinitrotoluene and 1,3,5-trinitrobenzene and degradation products 2-amino-4,6-dinitrotoluene and 4-amino-2,6-dinitrotoluene in well 06C15 in every quarter. 2,4,6-trinitrotoluene was consistently above the RBTL. In addition, nitroglycerin was detected in the second quarter.

The 2004 Old Rifle Range results were evaluated to determine which constituents were

statistically higher than background (Section 7.0). In addition, the newer data was combined with data from 2000-2003 to establish the long term moving average for each constituent. Table 8.2.1 shows the ORR results that were significantly higher than the background well and exceeded an RBTL in at least one of the four quarters. Monitoring point objectives as per the GWMP (Tetra Tech NUS, 1999) are noted in the table. Inorganics that exceeded both thresholds in ORR Upper Big Clifty wells were limited to the metals arsenic, barium, and manganese. Wells bottoming in the Beech Creek aquifer exceeded thresholds for arsenic, barium, lead and manganese. Also, 2,4,6-trinitrotoluene exceeded both thresholds for all four quarters in well C15.

As mentioned above, detection of explosives at the ORR in 2004 was predominantly TNT and nitro-toluene degradation products in one well, 06C15, located in the northern portion of the sampling area. Similar results were observed in results from quarterly sampling in 2000 - 2003. RDX and HMX were not detected in any ORR well in the quarterly sampling for 2004. TNT was detected above the RBTL in all four samples from well 06C15. Statistical analysis found the TNT results to be significantly higher than background. No explosives were found in the upgradient, background well, 06C08. Nitro-toluene daughter compounds were also consistently detected in well 06C15, specifically 2-amino-4, 6-dinitrotoluene, 4-amino-2, 6-dinitrotoluene, and 1,3,5-trinitrotoluene. The presence of nitrotoluene daughter products in the well indicates that some natural attenuation is occurring in the system. The concentrations of 2-amino-4, 6-dinitrotoluene and 4-amino-2, 6-dinitrotoluene were determined to be significantly higher than background. However, these two compounds were not evaluated for inclusion in Table 8.2 because an RBTL has not been established for them due to a lack of risk-based criteria (Tetra Tech NUS, 1999).

Similar to results at the ABG, total and dissolved barium were detected above the RBTL of 3.9 μg/L in all wells in all sampling rounds. Figure 8.2.9 shows the quarterly total barium concentrations in the Big Clifty/Beech Creek aquifer (see Figure 8.2.5 for well references). Barium concentrations in the Upper Big Clifty wells are similar to the concentrations found in the deeper wells (Figure 8.2.10) (see Figure 8.2.1 for well references). However, more of the wells in the deeper network were determined to be significantly higher than background (Table 8.2.1). Four of the POC wells in the Big Clifty/Beech Creek network (06C11, 06C13, 06C16, 06C18) had filtered barium concentrations greater than the RBTL and were significantly higher than background. The wells in the Upper Big Clifty that exceeded both thresholds include two POC wells on the eastern perimeter, 06C13P2 and 06C18P2. Similar to the ABG, elevated barium concentrations at the ORR may be due to natural or background conditions at the site. As discussed previously, results from the Basewide Background Soils Investigation indicated that all of the barium samples from the base were greater than the SRBTL of 1.04 mg/kg. Unlike the ABG, however, there is no soil data specific to the ORR to compare to the background levels.

Manganese was detected above the RBTL of 50 μg/L consistently in five wells screened in the Big Clifty/Beech Creek aquifer (Figure 8.2.11) (06C12, 06C13, 06C14, 06C18, and 06C19). In addition to exceeding the RBTL in every quarter, concentrations in each of these five wells were significantly higher than background (Table 8.2.1). Filtered manganese was detected above the RBTL of 50 μg/L consistently in the same five wells. Manganese (Figure 8.2.12) and filtered manganese concentrations in the upper aquifer exceeded both thresholds in four wells at the eastern edge of the site (06C11P2,

06C13P2, 06C18P2, 06C19P2) (Table 8.2.1).

Total and dissolved arsenic was consistently found above the RBTL of 2 μg/L in Big Clifty/Beech Creek POC well 06C13 (Figure 8.2.13). Similar results were found in the corresponding shallow wells in the Upper Big Clifty network; point of compliance wells 06C13P2, 06C18P2 and downgradient well 06C19P2 exhibited concentrations greater than the RBTL. Of the arsenic exceedances, results were significantly higher than background in POC wells 06C13P2, 06C13, 06C18P2, and downgradient well 06C19P2.

Tables 8.2.2 and 8.2.3 show all results greater than the established RBTL regardless of their statistical significance.

(Table 8.2.1) Old Rifle Range monitoring points with results exceeding RBTL and statistically higher than background. [C = Compliance; DG = Downgradient; MP Objective = type of well]

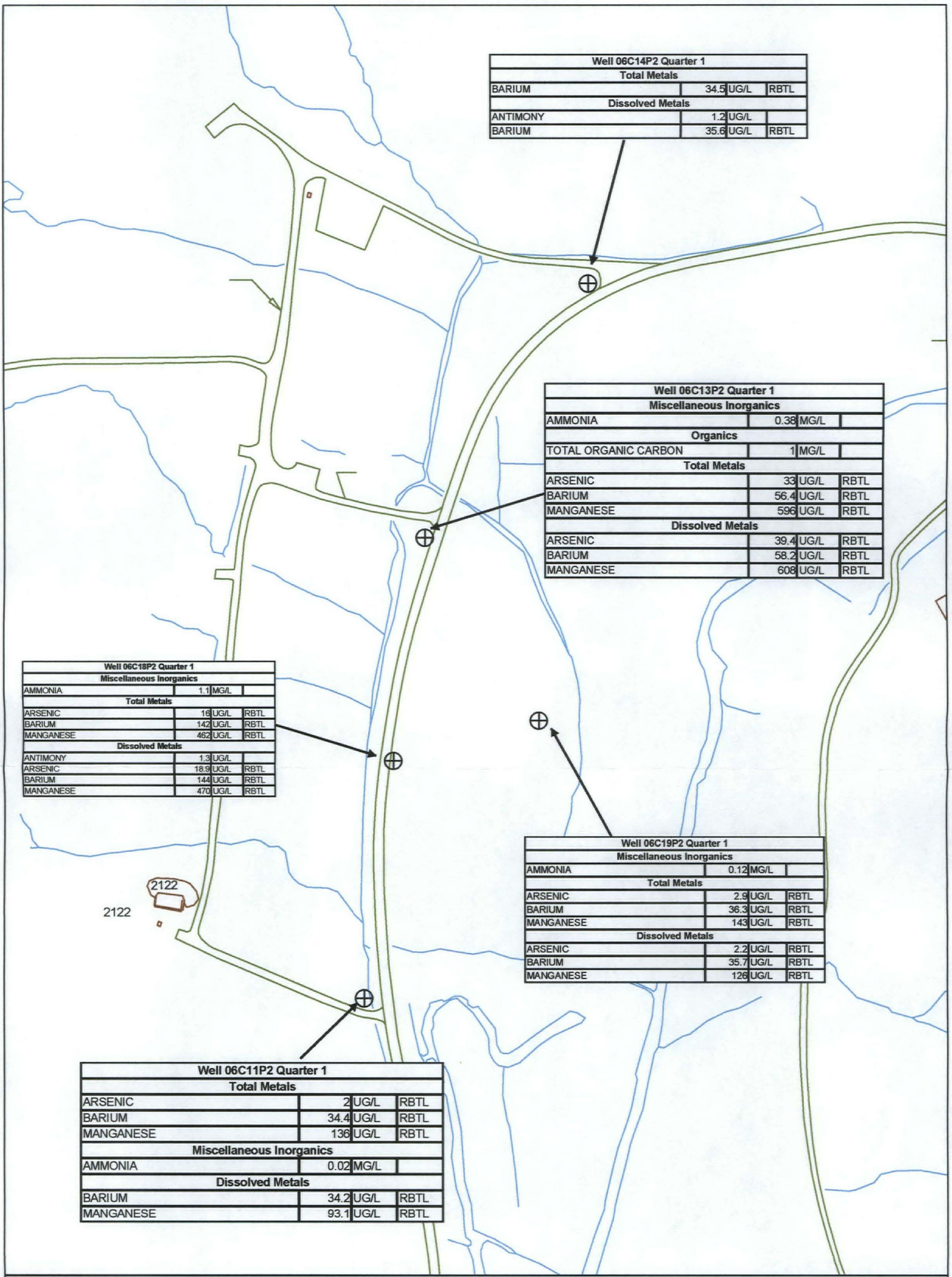
Parameter	Well	MP Objective	2004 RBTL Exceedances by Quarter			
			1st	2nd	3rd	4th
Old Rifle Range – Upper Big Clifty Aquifer						
METALS						
Arsenic	06C13P2	C	X	X	X	X
	06C18P2	C	X	X	X	X
	06C19P2	DG	X	X	X	X
Arsenic (filtered)	06C13P2	C	X	X	X	X
	06C18P2	C	X	X	X	X
	06C19P2	DG	X	X	X	X
Barium	06C13P2	C	X	X	X	X
	06C18P2	C	X	X	X	X
Barium (filtered)	06C18P2	C	X	X	X	X
	06C13P2	C	X	X	X	X
Manganese	06C11P2	C	X	X	X	X
	06C13P2	C	X	X	X	X
	06C18P2	C	X	X	X	X
	06C19P2	DG	X	X	X	X
Manganese (filtered)	06C11P2	C	X	X	X	X
	06C13P2	C	X		X	X
	06C18P2	C	X		X	X
	06C19P2	DG	X	X	X	X
Old Rifle Range – Big Clifty/Beech Creek Aquifer						
METALS						
Arsenic	06C13	C	X	X	X	X
Arsenic (filtered)	06C13	C	X	X	X	X
Barium	06C11	C	X	X	X	X
	06C13	C	X	X	X	X
	06C16	C	X	X	X	X
	06C18	C	X	X	X	X
Barium (filtered)	06C13	C	X	X	X	X
	06C16	C	X	X	X	X
	06C18	C	X	X	X	X
Lead	06C11	C			X	X
	06C14	C	X	X		
Manganese	06C12	C	X	X	X	X
	06C13	C	X	X	X	X
	06C14	C	X	X	X	X
	06C18	C	X	X	X	X
	06C19	DG	X	X	X	X
Manganese (filtered)	06C12	C	X		X	X
	06C13	C	X		X	X
	06C14	C	X		X	X
	06C18	C	X		X	X
	06C19	DG	X	X	X	X
EXPLOSIVES						
2,4,6-Trinitrotoluene	06C15	C	X	X	X	X

Table 8.2.2 Old Rifle Range Big Clifty/Beech Creek aquifer monitoring points with results exceeding an established RBTL.

Parameter	Well	2004 RBTL Exceedences by Quarter			
		1st	2nd	3rd	4th
BIG CLIFTY/BEECH CREEK					
METALS					
Arsenic	06C13	X	X	X	X
	06C14		X		
	06C18	X	X	X	X
Arsenic (Filtered)	06C13	X	X	X	X
	06C18	X	X	X	X
Barium	06C08	X	X	X	X
	06C11	X	X	X	X
	06C12	X	X	X	X
	06C13	X	X	X	X
	06C14	X	X	X	X
	06C15	X	X	X	X
	06C16	X	X	X	X
	06C18	X	X	X	X
	06C19	X	X	X	X
Barium (Filtered)	06C08	X	X	X	X
	06C11	X	X	X	X
	06C12	X	X	X	X
	06C13	X	X	X	X
	06C14	X	X	X	X
	06C15	X	X	X	X
	06C16	X	X	X	X
	06C18	X	X	X	X
	06C19	X	X	X	X
Lead	06C11			X	X
	06C14		X		
Manganese	06C12	X	X	X	X
	06C13	X	X	X	X
	06C14	X	X	X	X
	06C18	X	X	X	X
	06C19	X	X	X	X
Manganese (Filtered)	06C12	X		X	X
	06C13	X		X	X
	06C14	X		X	X
	06C18	X	X	X	X
	06C19	X	X	X	X
Zinc	06C14		X		
Zinc (Filtered)	06C08		X		
EXPLOSIVES					
2,4,6-Trinitrotoluene	06C15	X	X	X	X

Table 8.2.3 Old Rifle Range Upper Big Clifty aquifer monitoring points with results exceeding an established RBTL.

Parameter	Well	2004 RBTL Exceedences by Quarter			
		1st	2nd	3rd	4th
UPPER BIG CLIFTY AQUIFER					
METALS					
Arsenic	06C11P2	X			
	06C13P2	X	X	X	X
	06C18P2	X	X	X	X
	06C19P2	X	X	X	X
Arsenic (Filtered)	06C13P2	X	X	X	X
	06C18P2	X	X	X	X
	06C19P2	X	X	X	X
Barium	06C11P2	X	X	X	X
	06C13P2	X	X	X	X
	06C14P2	X	X	X	X
	06C18P2	X	X	X	X
	06C19P2	X	X	X	X
Barium (Filtered)	06C11P2	X	X	X	X
	06C13P2	X	X	X	X
	06C14P2	X	X	X	X
	06C18P2	X	X	X	X
	06C19P2	X	X	X	X
Cadmium (Filtered)	06C13P2				X
Manganese	06C11P2	X	X	X	X
	06C13P2	X	X	X	X
	06C18P2	X	X	X	X
	06C19P2	X	X	X	X
Manganese (Filtered)	06C11P2	X	X	X	X
	06C13P2	X		X	X
	06C18P2	X		X	X
	06C19P2	X	X	X	X
Zinc (Filtered)	06C19P2			X	



Well 06C14P2 Quarter 1			
Total Metals			
BARIUM	34.5	UG/L	RBTL
Dissolved Metals			
ANTIMONY	1.2	UG/L	
BARIUM	35.6	UG/L	RBTL

Well 06C13P2 Quarter 1			
Miscellaneous Inorganics			
AMMONIA	0.38	MG/L	
Organics			
TOTAL ORGANIC CARBON	1	MG/L	
Total Metals			
ARSENIC	33	UG/L	RBTL
BARIUM	56.4	UG/L	RBTL
MANGANESE	596	UG/L	RBTL
Dissolved Metals			
ARSENIC	39.4	UG/L	RBTL
BARIUM	58.2	UG/L	RBTL
MANGANESE	608	UG/L	RBTL

Well 06C18P2 Quarter 1			
Miscellaneous Inorganics			
AMMONIA	1.1	MG/L	
Total Metals			
ARSENIC	16	UG/L	RBTL
BARIUM	142	UG/L	RBTL
MANGANESE	462	UG/L	RBTL
Dissolved Metals			
ANTIMONY	1.3	UG/L	
ARSENIC	18.9	UG/L	RBTL
BARIUM	144	UG/L	RBTL
MANGANESE	470	UG/L	RBTL

Well 06C19P2 Quarter 1			
Miscellaneous Inorganics			
AMMONIA	0.12	MG/L	
Total Metals			
ARSENIC	2.9	UG/L	RBTL
BARIUM	36.3	UG/L	RBTL
MANGANESE	143	UG/L	RBTL
Dissolved Metals			
ARSENIC	2.2	UG/L	RBTL
BARIUM	35.7	UG/L	RBTL
MANGANESE	126	UG/L	RBTL

Well 06C11P2 Quarter 1			
Total Metals			
ARSENIC	2	UG/L	RBTL
BARIUM	34.4	UG/L	RBTL
MANGANESE	136	UG/L	RBTL
Miscellaneous Inorganics			
AMMONIA	0.02	MG/L	
Dissolved Metals			
BARIUM	34.2	UG/L	RBTL
MANGANESE	93.1	UG/L	RBTL

FIGURE 8.2.1
ORGANIC AND INORGANIC DETECTIONS
IN UPPER GROUNDWATER

OLD RIFLE RANGE
1ST QUARTER, 2004
AQUIFER: UPPER BIG CLIFTY

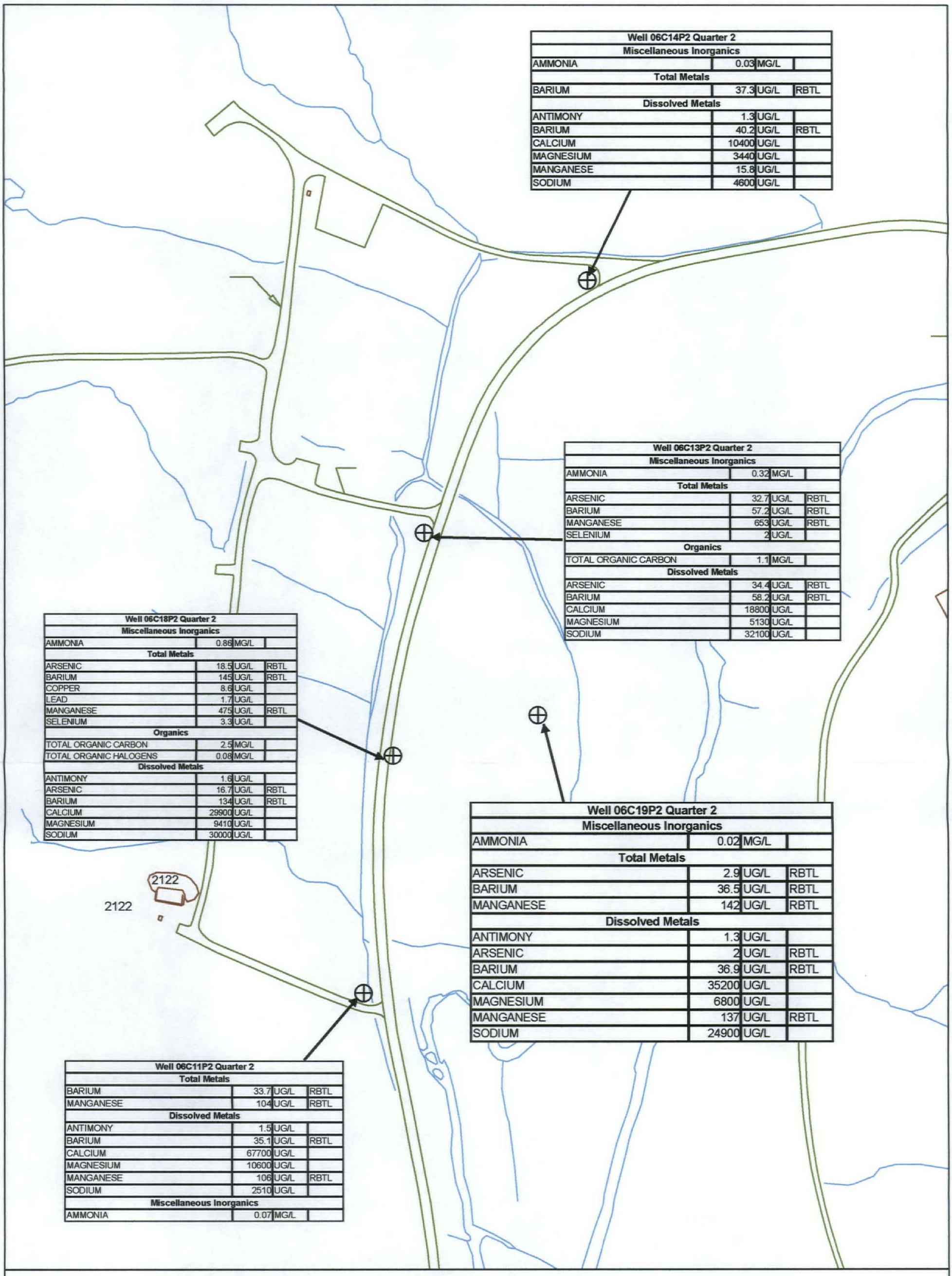
⊕ ORR MONITORING WELL

Roads

Streams

N
W E
S

0 200 400 800 Feet



Well 06C14P2 Quarter 2			
Miscellaneous Inorganics			
AMMONIA	0.03	MG/L	
Total Metals			
BARIUM	37.3	UG/L	RBTL
Dissolved Metals			
ANTIMONY	1.3	UG/L	
BARIUM	40.2	UG/L	RBTL
CALCIUM	10400	UG/L	
MAGNESIUM	3440	UG/L	
MANGANESE	15.8	UG/L	
SODIUM	4600	UG/L	

Well 06C13P2 Quarter 2			
Miscellaneous Inorganics			
AMMONIA	0.32	MG/L	
Total Metals			
ARSENIC	32.7	UG/L	RBTL
BARIUM	57.2	UG/L	RBTL
MANGANESE	653	UG/L	RBTL
SELENIUM	2	UG/L	
Organics			
TOTAL ORGANIC CARBON	1.1	MG/L	
Dissolved Metals			
ARSENIC	34.4	UG/L	RBTL
BARIUM	58.2	UG/L	RBTL
CALCIUM	18800	UG/L	
MAGNESIUM	5130	UG/L	
SODIUM	32100	UG/L	

Well 06C18P2 Quarter 2			
Miscellaneous Inorganics			
AMMONIA	0.86	MG/L	
Total Metals			
ARSENIC	18.5	UG/L	RBTL
BARIUM	145	UG/L	RBTL
COPPER	8.6	UG/L	
LEAD	1.7	UG/L	
MANGANESE	475	UG/L	RBTL
SELENIUM	3.3	UG/L	
Organics			
TOTAL ORGANIC CARBON	2.5	MG/L	
TOTAL ORGANIC HALOGENS	0.08	MG/L	
Dissolved Metals			
ANTIMONY	1.6	UG/L	
ARSENIC	16.7	UG/L	RBTL
BARIUM	134	UG/L	RBTL
CALCIUM	29900	UG/L	
MAGNESIUM	9410	UG/L	
SODIUM	30000	UG/L	

Well 06C19P2 Quarter 2			
Miscellaneous Inorganics			
AMMONIA	0.02	MG/L	
Total Metals			
ARSENIC	2.9	UG/L	RBTL
BARIUM	36.5	UG/L	RBTL
MANGANESE	142	UG/L	RBTL
Dissolved Metals			
ANTIMONY	1.3	UG/L	
ARSENIC	2	UG/L	RBTL
BARIUM	36.9	UG/L	RBTL
CALCIUM	35200	UG/L	
MAGNESIUM	6800	UG/L	
MANGANESE	137	UG/L	RBTL
SODIUM	24900	UG/L	

Well 06C11P2 Quarter 2			
Total Metals			
BARIUM	33.7	UG/L	RBTL
MANGANESE	104	UG/L	RBTL
Dissolved Metals			
ANTIMONY	1.5	UG/L	
BARIUM	35.1	UG/L	RBTL
CALCIUM	67700	UG/L	
MAGNESIUM	10600	UG/L	
MANGANESE	106	UG/L	RBTL
SODIUM	2510	UG/L	
Miscellaneous Inorganics			
AMMONIA	0.07	MG/L	

FIGURE 8.2.2
ORGANIC AND INORGANIC DETECTIONS
IN UPPER GROUNDWATER

OLD RIFLE RANGE
2ND QUARTER, 2004
AQUIFER: UPPER BIG CLIFTY

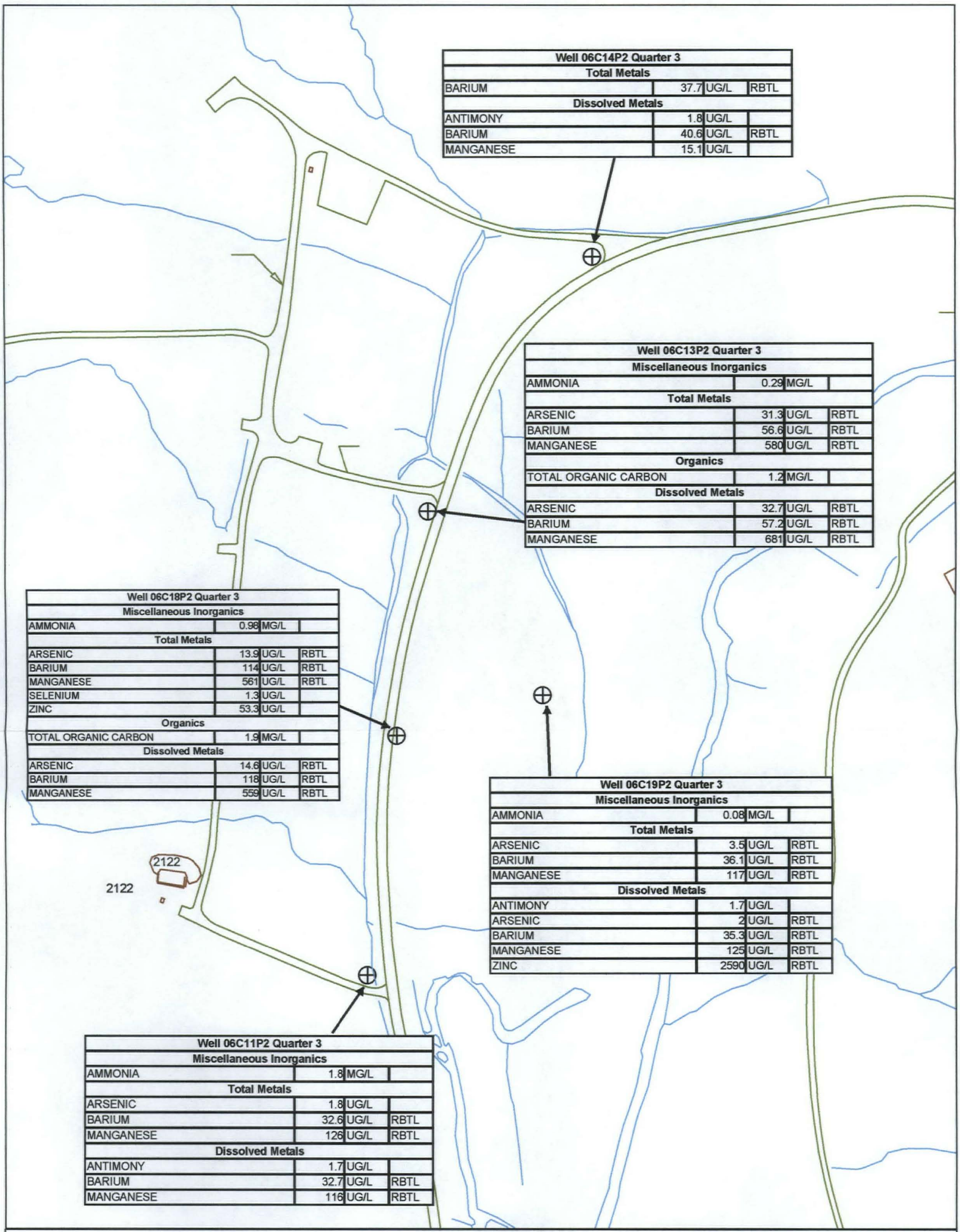
⊕ ORR MONITORING WELL

Roads

Streams

N
W E
S

0 200 400 800 Feet



Well 06C14P2 Quarter 3			
Total Metals			
BARIUM	37.7	UG/L	RBTL
Dissolved Metals			
ANTIMONY	1.8	UG/L	
BARIUM	40.6	UG/L	RBTL
MANGANESE	15.1	UG/L	

Well 06C13P2 Quarter 3			
Miscellaneous Inorganics			
AMMONIA	0.29	MG/L	
Total Metals			
ARSENIC	31.3	UG/L	RBTL
BARIUM	56.6	UG/L	RBTL
MANGANESE	580	UG/L	RBTL
Organics			
TOTAL ORGANIC CARBON	1.2	MG/L	
Dissolved Metals			
ARSENIC	32.7	UG/L	RBTL
BARIUM	57.2	UG/L	RBTL
MANGANESE	681	UG/L	RBTL

Well 06C18P2 Quarter 3			
Miscellaneous Inorganics			
AMMONIA	0.98	MG/L	
Total Metals			
ARSENIC	13.9	UG/L	RBTL
BARIUM	114	UG/L	RBTL
MANGANESE	561	UG/L	RBTL
SELENIUM	1.3	UG/L	
ZINC	53.3	UG/L	
Organics			
TOTAL ORGANIC CARBON	1.9	MG/L	
Dissolved Metals			
ARSENIC	14.6	UG/L	RBTL
BARIUM	118	UG/L	RBTL
MANGANESE	559	UG/L	RBTL

Well 06C19P2 Quarter 3			
Miscellaneous Inorganics			
AMMONIA	0.08	MG/L	
Total Metals			
ARSENIC	3.5	UG/L	RBTL
BARIUM	36.1	UG/L	RBTL
MANGANESE	117	UG/L	RBTL
Dissolved Metals			
ANTIMONY	1.7	UG/L	
ARSENIC	2	UG/L	RBTL
BARIUM	35.3	UG/L	RBTL
MANGANESE	125	UG/L	RBTL
ZINC	2590	UG/L	RBTL

Well 06C11P2 Quarter 3			
Miscellaneous Inorganics			
AMMONIA	1.8	MG/L	
Total Metals			
ARSENIC	1.8	UG/L	
BARIUM	32.6	UG/L	RBTL
MANGANESE	126	UG/L	RBTL
Dissolved Metals			
ANTIMONY	1.7	UG/L	
BARIUM	32.7	UG/L	RBTL
MANGANESE	116	UG/L	RBTL

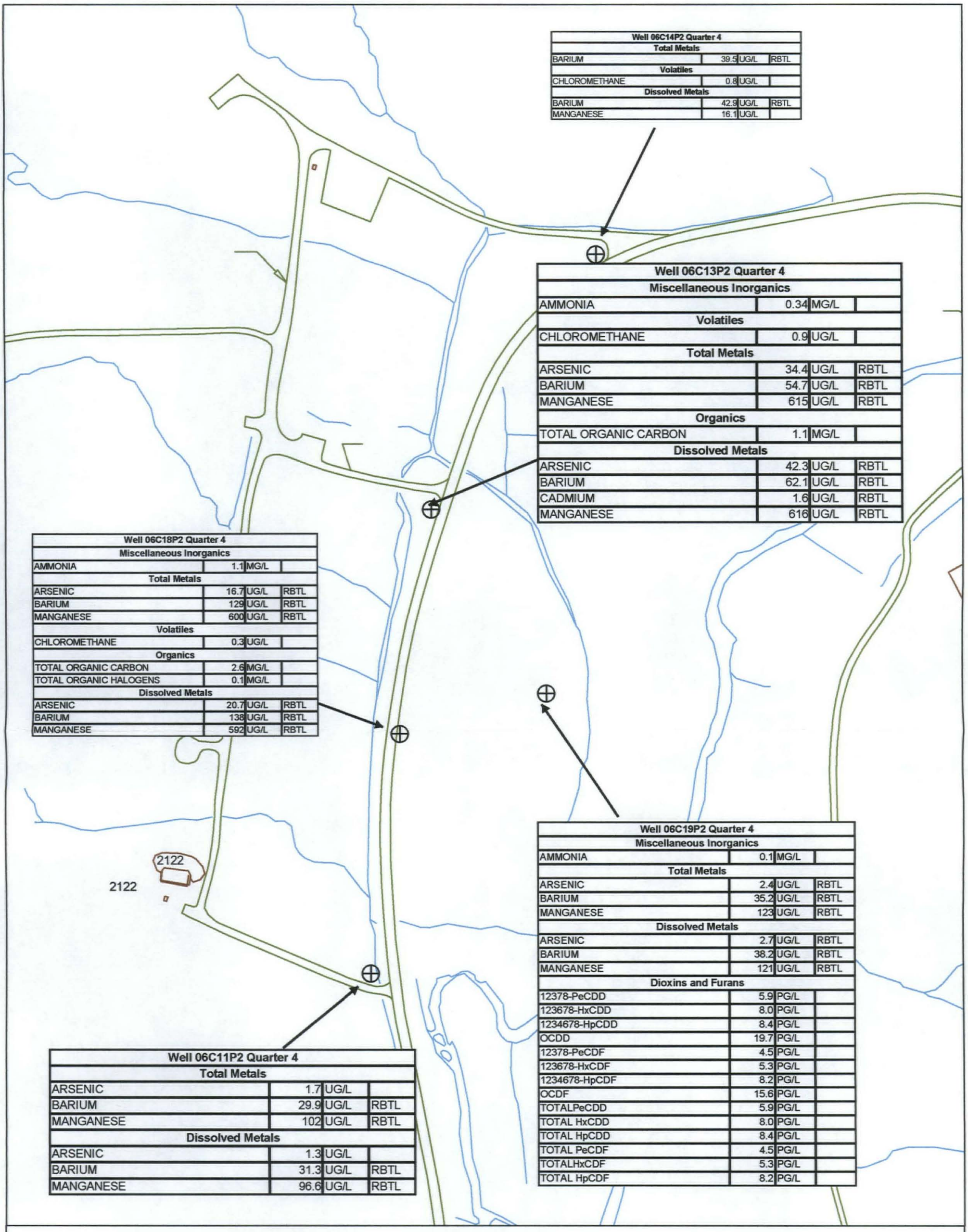
FIGURE 8.2.3
ORGANIC AND INORGANIC DETECTIONS
IN GROUNDWATER

OLD RIFLE RANGE
3RD QUARTER, 2004
AQUIFER: UPPER BIG CLIFTY

MONITORING WELL
Roads
bggen.dwg Polyline
Streams

N
W E
S

0 200 400 800
Feet



Well 06C14P2 Quarter 4			
Total Metals			
BARIUM	39.5	UG/L	RBTL
Volatiles			
CHLOROMETHANE	0.8	UG/L	
Dissolved Metals			
BARIUM	42.9	UG/L	RBTL
MANGANESE	16.1	UG/L	

Well 06C13P2 Quarter 4			
Miscellaneous Inorganics			
AMMONIA	0.34	MG/L	
Volatiles			
CHLOROMETHANE	0.9	UG/L	
Total Metals			
ARSENIC	34.4	UG/L	RBTL
BARIUM	54.7	UG/L	RBTL
MANGANESE	615	UG/L	RBTL
Organics			
TOTAL ORGANIC CARBON	1.1	MG/L	
Dissolved Metals			
ARSENIC	42.3	UG/L	RBTL
BARIUM	62.1	UG/L	RBTL
CADMIUM	1.6	UG/L	RBTL
MANGANESE	616	UG/L	RBTL

Well 06C18P2 Quarter 4			
Miscellaneous Inorganics			
AMMONIA	1.1	MG/L	
Total Metals			
ARSENIC	16.7	UG/L	RBTL
BARIUM	129	UG/L	RBTL
MANGANESE	600	UG/L	RBTL
Volatiles			
CHLOROMETHANE	0.3	UG/L	
Organics			
TOTAL ORGANIC CARBON	2.6	MG/L	
TOTAL ORGANIC HALOGENS	0.1	MG/L	
Dissolved Metals			
ARSENIC	20.7	UG/L	RBTL
BARIUM	138	UG/L	RBTL
MANGANESE	592	UG/L	RBTL

Well 06C19P2 Quarter 4			
Miscellaneous Inorganics			
AMMONIA	0.1	MG/L	
Total Metals			
ARSENIC	2.4	UG/L	RBTL
BARIUM	35.2	UG/L	RBTL
MANGANESE	123	UG/L	RBTL
Dissolved Metals			
ARSENIC	2.7	UG/L	RBTL
BARIUM	38.2	UG/L	RBTL
MANGANESE	121	UG/L	RBTL
Dioxins and Furans			
12378-PeCDD	5.9	PG/L	
123678-HxCDD	8.0	PG/L	
1234678-HpCDD	8.4	PG/L	
OCDD	19.7	PG/L	
12378-PeCDF	4.5	PG/L	
123678-HxCDF	5.3	PG/L	
1234678-HpCDF	8.2	PG/L	
OCDF	15.6	PG/L	
TOTALPeCDD	5.9	PG/L	
TOTAL HxCDD	8.0	PG/L	
TOTAL HpCDD	8.4	PG/L	
TOTAL PeCDF	4.5	PG/L	
TOTALHxCDF	5.3	PG/L	
TOTAL HpCDF	8.2	PG/L	

Well 06C11P2 Quarter 4			
Total Metals			
ARSENIC	1.7	UG/L	
BARIUM	29.9	UG/L	RBTL
MANGANESE	102	UG/L	RBTL
Dissolved Metals			
ARSENIC	1.3	UG/L	
BARIUM	31.3	UG/L	RBTL
MANGANESE	96.6	UG/L	RBTL

FIGURE 8.2.4
ORGANIC AND INORGANIC DETECTIONS
IN GROUNDWATER

OLD RIFLE RANGE
4TH QUARTER, 2004
AQUIFER: UPPER BIG CLIFTY

⊕ MONITORING WELL

Roads

Streams

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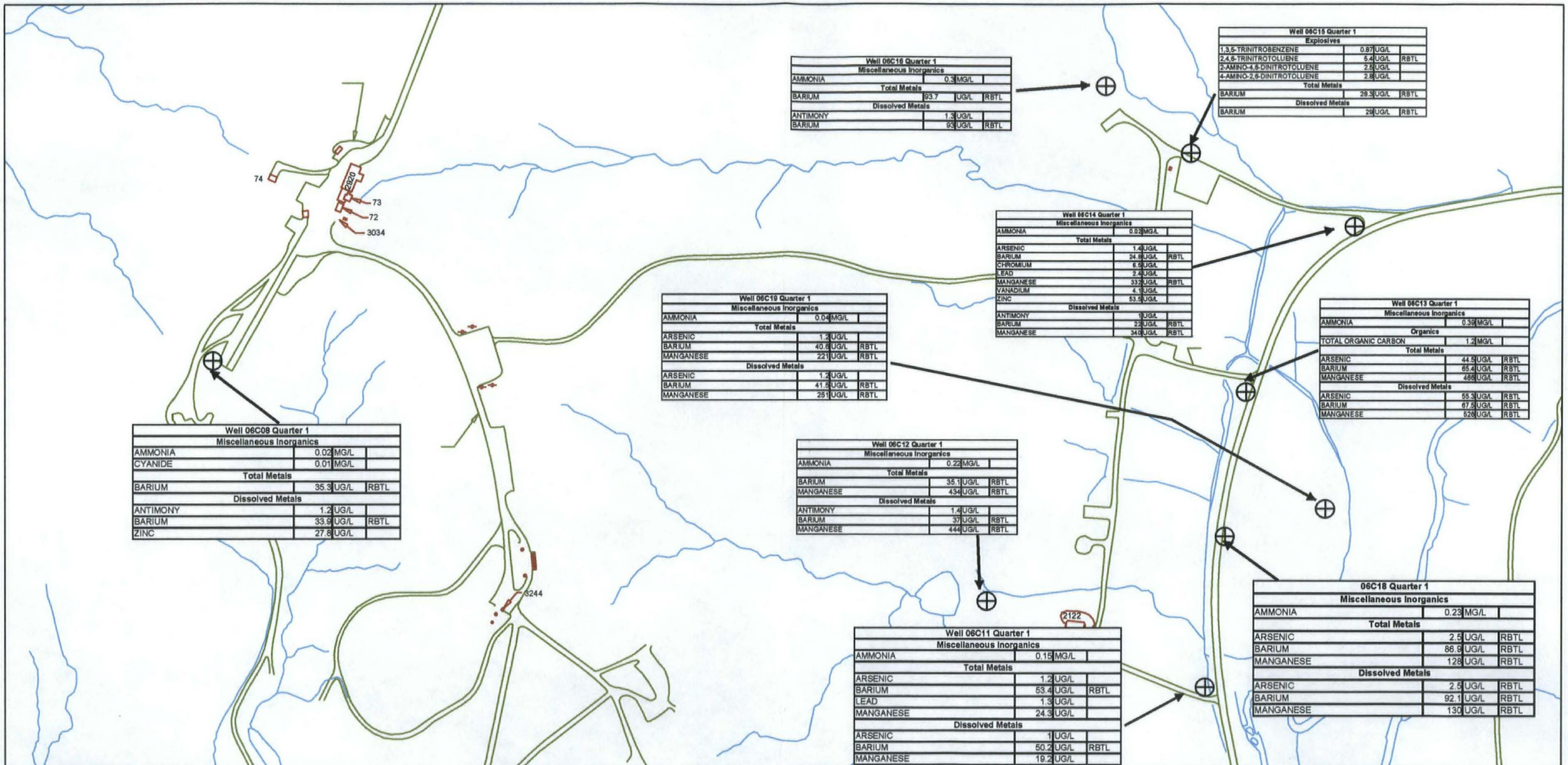

Well 06C16 Quarter 1			
Miscellaneous Inorganics			
AMMONIA	0.3	MG/L	
Total Metals			
BARIUM	93.7	UG/L	RBTL
Dissolved Metals			
ANTIMONY	1.3	UG/L	
BARIUM	93	UG/L	RBTL

Well 06C15 Quarter 1			
Explosives			
1,3,5-TRINITROBENZENE	0.87	UG/L	
2,4,6-TRINITROTOLUENE	5.4	UG/L	RBTL
2-AMINO-4,6-DINITROTOLUENE	2.5	UG/L	
4-AMINO-2,6-DINITROTOLUENE	2.8	UG/L	
Total Metals			
BARIUM	28.3	UG/L	RBTL
Dissolved Metals			
BARIUM	29	UG/L	RBTL

Well 06C14 Quarter 1			
Miscellaneous Inorganics			
AMMONIA	0.02	MG/L	
Total Metals			
ARSENIC	1.4	UG/L	
BARIUM	24.8	UG/L	RBTL
CHROMIUM	6.5	UG/L	
LEAD	2.4	UG/L	
MANGANESE	332	UG/L	RBTL
VANADIUM	4.1	UG/L	
ZINC	53.5	UG/L	
Dissolved Metals			
ANTIMONY	1	UG/L	
BARIUM	23	UG/L	RBTL
MANGANESE	340	UG/L	RBTL

Well 06C19 Quarter 1			
Miscellaneous Inorganics			
AMMONIA	0.04	MG/L	
Total Metals			
ARSENIC	1.2	UG/L	
BARIUM	40.6	UG/L	RBTL
MANGANESE	221	UG/L	RBTL
Dissolved Metals			
ARSENIC	1.2	UG/L	
BARIUM	41.5	UG/L	RBTL
MANGANESE	251	UG/L	RBTL

Well 06C13 Quarter 1			
Miscellaneous Inorganics			
AMMONIA	0.39	MG/L	
Organics			
TOTAL ORGANIC CARBON	1.2	MG/L	
Total Metals			
ARSENIC	44.5	UG/L	RBTL
BARIUM	65.4	UG/L	RBTL
MANGANESE	488	UG/L	RBTL
Dissolved Metals			
ARSENIC	55.3	UG/L	RBTL
BARIUM	67.5	UG/L	RBTL
MANGANESE	526	UG/L	RBTL

Well 06C08 Quarter 1			
Miscellaneous Inorganics			
AMMONIA	0.02	MG/L	
CYANIDE	0.01	MG/L	
Total Metals			
BARIUM	35.3	UG/L	RBTL
Dissolved Metals			
ANTIMONY	1.2	UG/L	
BARIUM	33.9	UG/L	RBTL
ZINC	27.8	UG/L	

Well 06C12 Quarter 1			
Miscellaneous Inorganics			
AMMONIA	0.22	MG/L	
Total Metals			
BARIUM	35.1	UG/L	RBTL
MANGANESE	434	UG/L	RBTL
Dissolved Metals			
ANTIMONY	1.4	UG/L	
BARIUM	37	UG/L	RBTL
MANGANESE	444	UG/L	RBTL

06C18 Quarter 1			
Miscellaneous Inorganics			
AMMONIA	0.23	MG/L	
Total Metals			
ARSENIC	2.5	UG/L	RBTL
BARIUM	86.9	UG/L	RBTL
MANGANESE	128	UG/L	RBTL
Dissolved Metals			
ARSENIC	2.5	UG/L	RBTL
BARIUM	92.1	UG/L	RBTL
MANGANESE	130	UG/L	RBTL

Well 06C11 Quarter 1			
Miscellaneous Inorganics			
AMMONIA	0.15	MG/L	
Total Metals			
ARSENIC	1.2	UG/L	
BARIUM	53.4	UG/L	RBTL
LEAD	1.3	UG/L	
MANGANESE	24.3	UG/L	
Dissolved Metals			
ARSENIC	1	UG/L	
BARIUM	50.2	UG/L	RBTL
MANGANESE	19.2	UG/L	

FIGURE 8.2.5
ORGANIC AND INORGANIC DETECTIONS
IN GROUNDWATER

OLD RIFLE RANGE
1ST QUARTER, 2004
AQUIFER: BIG CLIFTY/BEECH CREEK

⊕ ORR Monitoring Well

Roads

Streams

580 290 0 580 Feet

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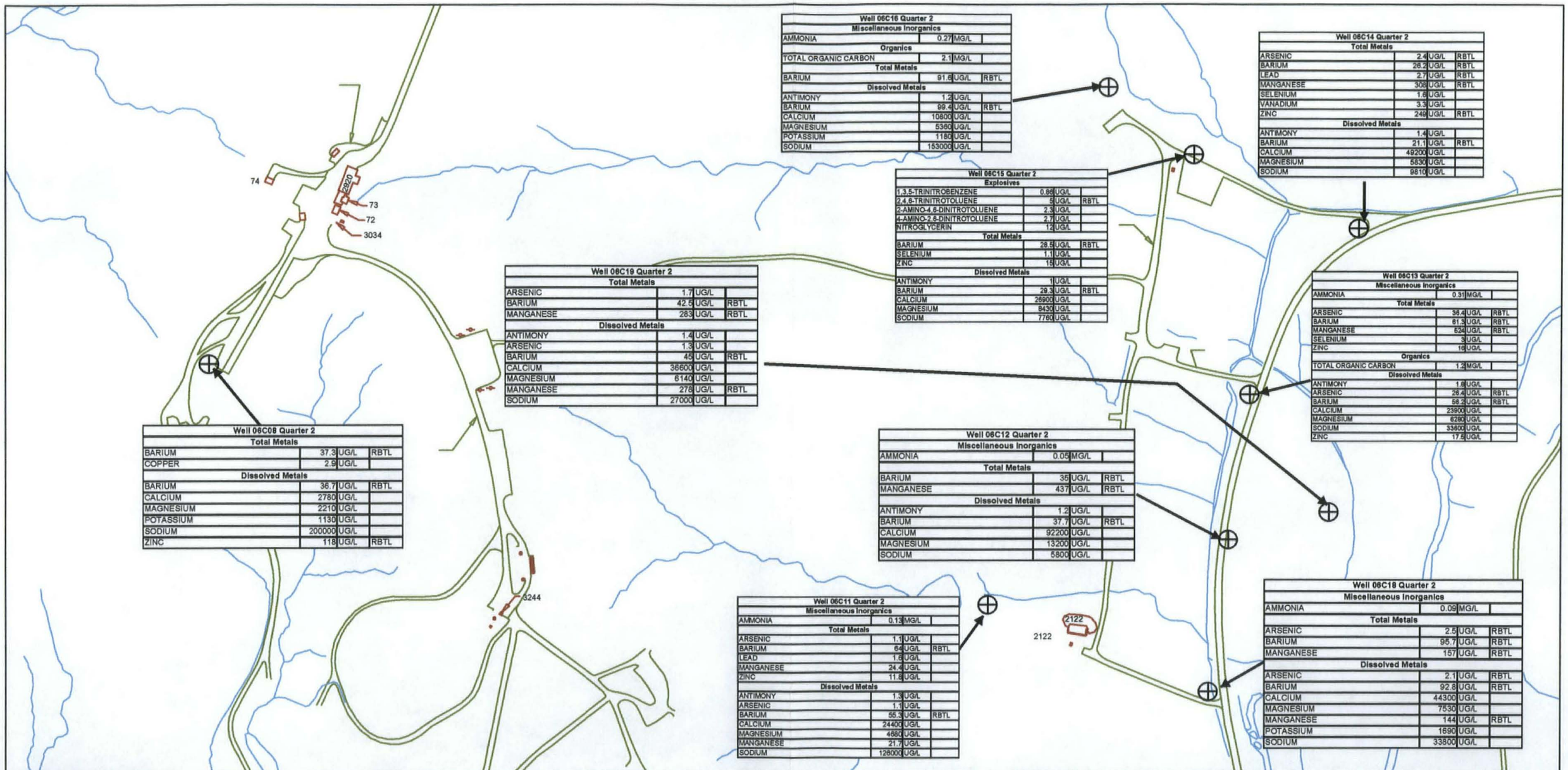

Well 06C16 Quarter 2			
Miscellaneous Inorganics			
AMMONIA	0.27	MG/L	
Organics			
TOTAL ORGANIC CARBON	2.1	MG/L	
Total Metals			
BARIUM	91.6	UG/L	RBTL
Dissolved Metals			
ANTIMONY	1.2	UG/L	
BARIUM	99.4	UG/L	RBTL
CALCIUM	10800	UG/L	
MAGNESIUM	5360	UG/L	
POTASSIUM	1180	UG/L	
SODIUM	153000	UG/L	

Well 06C14 Quarter 2			
Total Metals			
ARSENIC	2.4	UG/L	RBTL
BARIUM	26.2	UG/L	RBTL
LEAD	2.7	UG/L	RBTL
MANGANESE	308	UG/L	RBTL
SELENIUM	1.6	UG/L	
VANADIUM	3.3	UG/L	
ZINC	249	UG/L	RBTL
Dissolved Metals			
ANTIMONY	1.4	UG/L	
BARIUM	21.1	UG/L	RBTL
CALCIUM	49200	UG/L	
MAGNESIUM	5830	UG/L	
SODIUM	9810	UG/L	

Well 06C15 Quarter 2			
Explosives			
1,3,5-TRINITROBENZENE	0.66	UG/L	
2,4,6-TRINITROTOLUENE	5	UG/L	RBTL
2-AMINO-4,6-DINITROTOLUENE	2.3	UG/L	
4-AMINO-2,6-DINITROTOLUENE	2.7	UG/L	
NITROGLYCERIN	12	UG/L	
Total Metals			
BARIUM	28.5	UG/L	RBTL
SELENIUM	1.1	UG/L	
ZINC	15	UG/L	
Dissolved Metals			
ANTIMONY	1	UG/L	
BARIUM	29.3	UG/L	RBTL
CALCIUM	26900	UG/L	
MAGNESIUM	8430	UG/L	
SODIUM	7760	UG/L	

Well 06C19 Quarter 2			
Total Metals			
ARSENIC	1.7	UG/L	
BARIUM	42.6	UG/L	RBTL
MANGANESE	283	UG/L	RBTL
Dissolved Metals			
ANTIMONY	1.4	UG/L	
ARSENIC	1.3	UG/L	
BARIUM	45	UG/L	RBTL
CALCIUM	36600	UG/L	
MAGNESIUM	6140	UG/L	
MANGANESE	278	UG/L	RBTL
SODIUM	27000	UG/L	

Well 06C13 Quarter 2			
Miscellaneous Inorganics			
AMMONIA	0.31	MG/L	
Total Metals			
ARSENIC	36.4	UG/L	RBTL
BARIUM	61.3	UG/L	RBTL
MANGANESE	624	UG/L	RBTL
SELENIUM	3	UG/L	
ZINC	16	UG/L	
Organics			
TOTAL ORGANIC CARBON	1.2	MG/L	
Dissolved Metals			
ANTIMONY	1.6	UG/L	
ARSENIC	26.4	UG/L	RBTL
BARIUM	56.2	UG/L	RBTL
CALCIUM	23900	UG/L	
MAGNESIUM	6280	UG/L	
SODIUM	33600	UG/L	
ZINC	17.5	UG/L	

Well 06C08 Quarter 2			
Total Metals			
BARIUM	37.3	UG/L	RBTL
COPPER	2.9	UG/L	
Dissolved Metals			
BARIUM	36.7	UG/L	RBTL
CALCIUM	2780	UG/L	
MAGNESIUM	2210	UG/L	
POTASSIUM	1130	UG/L	
SODIUM	200000	UG/L	
ZINC	118	UG/L	RBTL

Well 06C12 Quarter 2			
Miscellaneous Inorganics			
AMMONIA	0.05	MG/L	
Total Metals			
BARIUM	35	UG/L	RBTL
MANGANESE	437	UG/L	RBTL
Dissolved Metals			
ANTIMONY	1.2	UG/L	
BARIUM	37.7	UG/L	RBTL
CALCIUM	92200	UG/L	
MAGNESIUM	13200	UG/L	
SODIUM	5800	UG/L	

Well 06C11 Quarter 2			
Miscellaneous Inorganics			
AMMONIA	0.13	MG/L	
Total Metals			
ARSENIC	1.1	UG/L	
BARIUM	64	UG/L	RBTL
LEAD	1.6	UG/L	
MANGANESE	24.4	UG/L	
ZINC	11.6	UG/L	
Dissolved Metals			
ANTIMONY	1.3	UG/L	
ARSENIC	1.1	UG/L	
BARIUM	55.3	UG/L	RBTL
CALCIUM	24400	UG/L	
MAGNESIUM	4680	UG/L	
MANGANESE	21.7	UG/L	
SODIUM	126000	UG/L	

Well 06C18 Quarter 2			
Miscellaneous Inorganics			
AMMONIA	0.09	MG/L	
Total Metals			
ARSENIC	2.5	UG/L	RBTL
BARIUM	95.7	UG/L	RBTL
MANGANESE	157	UG/L	RBTL
Dissolved Metals			
ARSENIC	2.1	UG/L	RBTL
BARIUM	92.8	UG/L	RBTL
CALCIUM	44300	UG/L	
MAGNESIUM	7530	UG/L	
MANGANESE	144	UG/L	RBTL
POTASSIUM	1690	UG/L	
SODIUM	33800	UG/L	

FIGURE 8.2.6
ORGANIC AND INORGANIC DETECTIONS
IN GROUNDWATER

OLD RIFLE RANGE
2ND QUARTER, 2004
AQUIFER: BIG CLIFTY/BEECH CREEK

⊕ Monitoring Well
Roads
Streams

580 290 0 580 Feet

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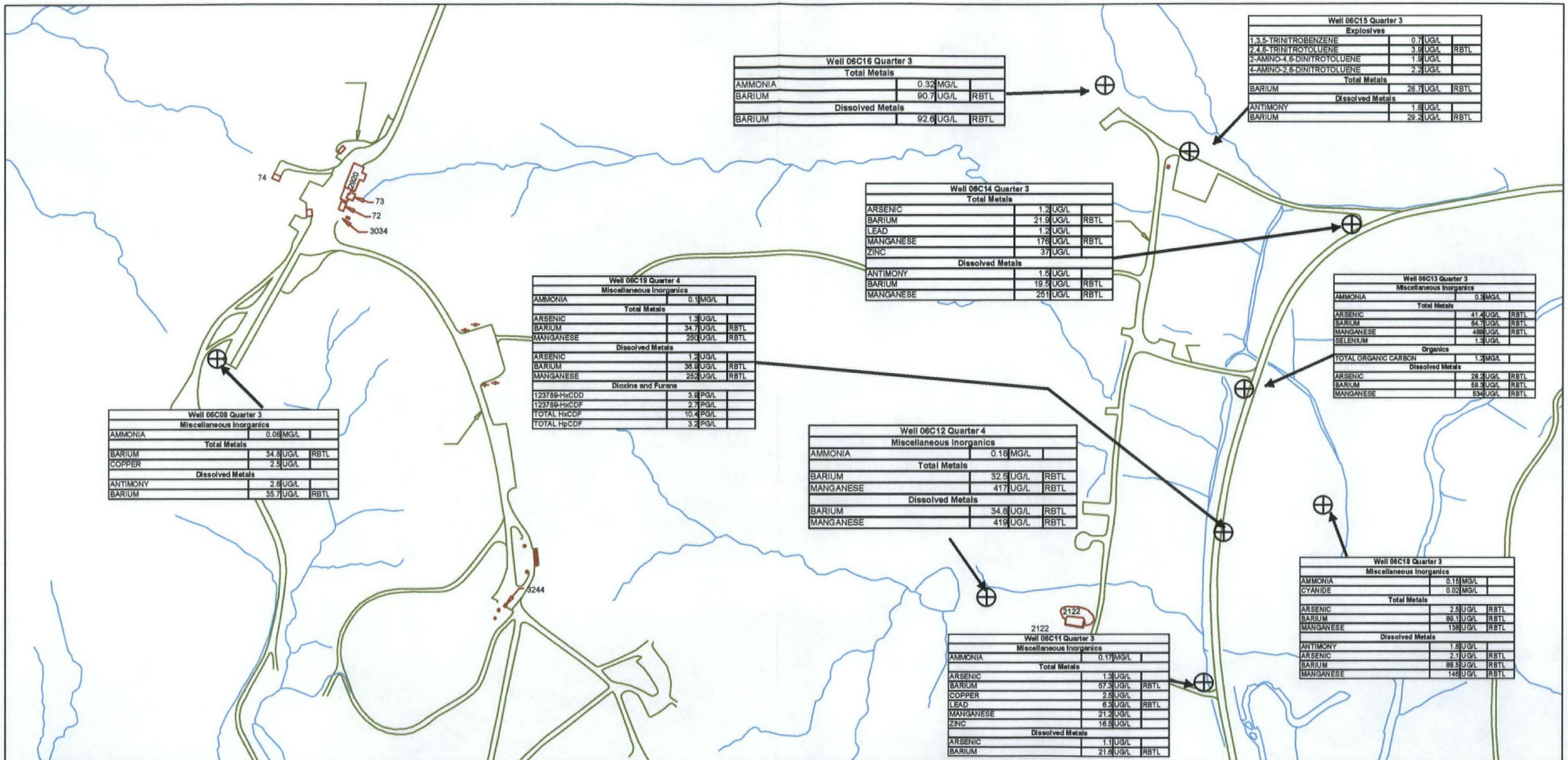

Well 06C16 Quarter 3			
Total Metals			
AMMONIA	0.32	MG/L	
BARIUM	90.7	UG/L	RBTL
Dissolved Metals			
BARIUM	92.6	UG/L	RBTL

Well 06C15 Quarter 3			
Explosives			
1,3,5-TRINITROBENZENE	0.7	UG/L	
2,4,6-TRINITROTOLUENE	3.9	UG/L	RBTL
2-AMINO-4,6-DINITROTOLUENE	1.9	UG/L	
4-AMINO-2,6-DINITROTOLUENE	2.2	UG/L	
Total Metals			
BARIUM	26.7	UG/L	RBTL
Dissolved Metals			
ANTIMONY	1.6	UG/L	
BARIUM	29.2	UG/L	RBTL

Well 06C14 Quarter 3			
Total Metals			
ARSENIC	1.2	UG/L	
BARIUM	21.9	UG/L	RBTL
LEAD	1.2	UG/L	
MANGANESE	176	UG/L	RBTL
ZINC	37	UG/L	
Dissolved Metals			
ANTIMONY	1.5	UG/L	
BARIUM	19.5	UG/L	RBTL
MANGANESE	251	UG/L	RBTL

Well 06C19 Quarter 4			
Miscellaneous Inorganics			
AMMONIA	0.1	MG/L	
Total Metals			
ARSENIC	1.3	UG/L	
BARIUM	34.7	UG/L	RBTL
MANGANESE	250	UG/L	RBTL
Dissolved Metals			
ARSENIC	1.2	UG/L	
BARIUM	36.6	UG/L	RBTL
MANGANESE	252	UG/L	RBTL
Dioxins and Furans			
123789-HxCDD	3.6	PG/L	
123789-HxCDF	2.7	PG/L	
TOTAL HxCDF	10.4	PG/L	
TOTAL HpCDF	3.2	PG/L	

Well 06C13 Quarter 3			
Miscellaneous Inorganics			
AMMONIA	0.3	MG/L	
Total Metals			
ARSENIC	41.4	UG/L	RBTL
BARIUM	64.7	UG/L	RBTL
MANGANESE	489	UG/L	RBTL
SELENIUM	1.3	UG/L	
Organics			
TOTAL ORGANIC CARBON	1.2	MG/L	
Dissolved Metals			
ARSENIC	28.2	UG/L	RBTL
BARIUM	59.3	UG/L	RBTL
MANGANESE	534	UG/L	RBTL

Well 06C08 Quarter 3			
Miscellaneous Inorganics			
AMMONIA	0.06	MG/L	
Total Metals			
BARIUM	34.8	UG/L	RBTL
COPPER	2.5	UG/L	
Dissolved Metals			
ANTIMONY	2.6	UG/L	
BARIUM	35.7	UG/L	RBTL

Well 06C12 Quarter 4			
Miscellaneous Inorganics			
AMMONIA	0.18	MG/L	
Total Metals			
BARIUM	32.5	UG/L	RBTL
MANGANESE	417	UG/L	RBTL
Dissolved Metals			
BARIUM	34.8	UG/L	RBTL
MANGANESE	419	UG/L	RBTL

Well 06C18 Quarter 3			
Miscellaneous Inorganics			
AMMONIA	0.15	MG/L	
CYANIDE	0.02	MG/L	
Total Metals			
ARSENIC	2.5	UG/L	RBTL
BARIUM	89.1	UG/L	RBTL
MANGANESE	138	UG/L	RBTL
Dissolved Metals			
ANTIMONY	1.8	UG/L	
ARSENIC	2.1	UG/L	RBTL
BARIUM	88.5	UG/L	RBTL
MANGANESE	146	UG/L	RBTL

Well 06C11 Quarter 3			
Miscellaneous Inorganics			
AMMONIA	0.17	MG/L	
Total Metals			
ARSENIC	1.3	UG/L	
BARIUM	57.3	UG/L	RBTL
COPPER	2.5	UG/L	
LEAD	6.3	UG/L	RBTL
MANGANESE	21.2	UG/L	
ZINC	16.5	UG/L	
Dissolved Metals			
ARSENIC	1.1	UG/L	
BARIUM	21.6	UG/L	RBTL

FIGURE 8.2.7
ORGANIC AND INORGANIC DETECTIONS
IN GROUNDWATER

OLD RIFLE RANGE
3RD QUARTER, 2004
AQUIFER: BIG CLIFTY/BEECH CREEK

⊕ Monitoring Well
Roads
Streams

580 290 0 580 Feet

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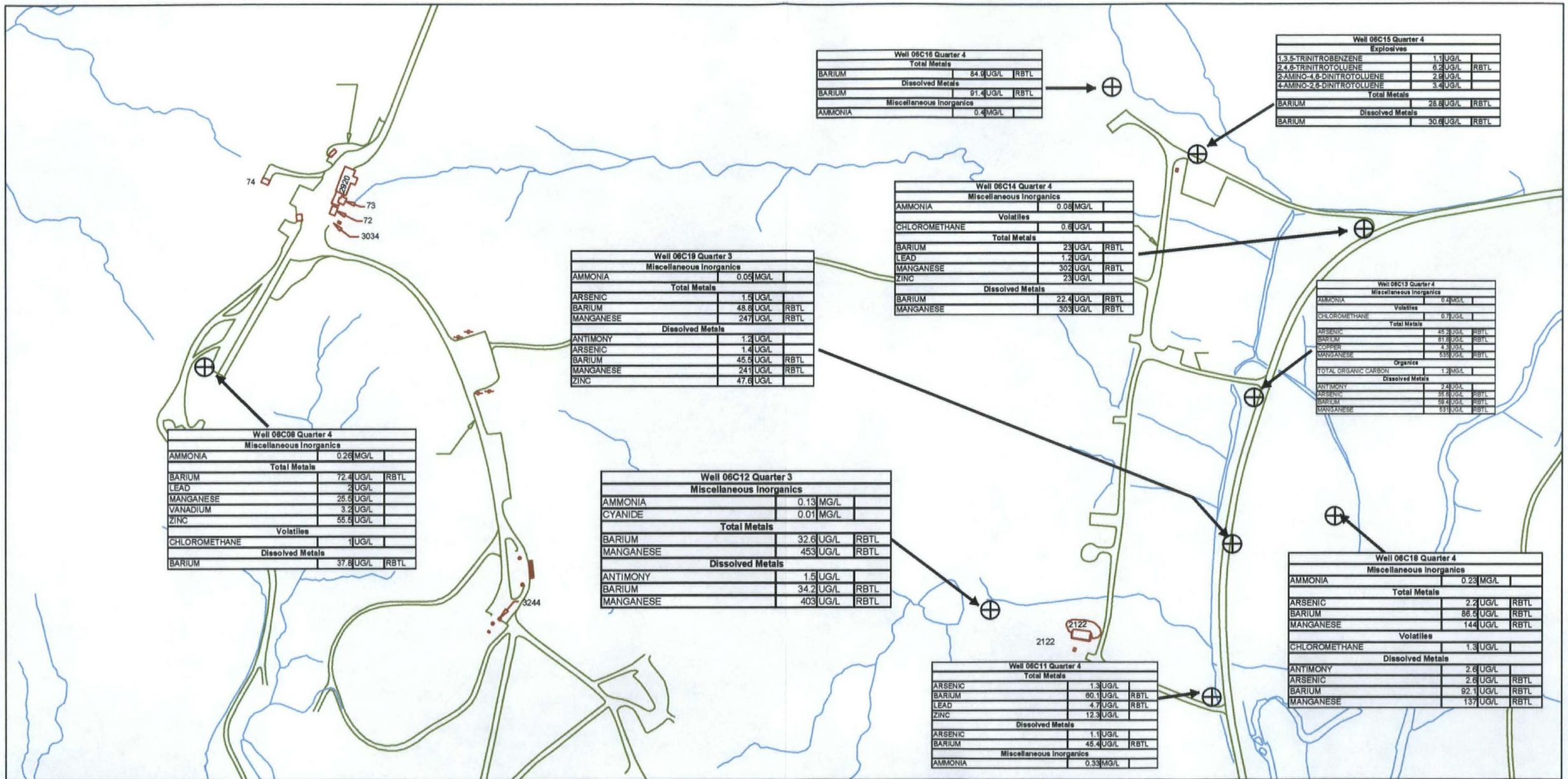

Well 06C16 Quarter 4			
Total Metals			
BARIUM	84.9	UG/L	RBTL
Dissolved Metals			
BARIUM	91.4	UG/L	RBTL
Miscellaneous Inorganics			
AMMONIA	0.4	MG/L	

Well 06C15 Quarter 4			
Explosives			
1,3,5-TRINITROBENZENE	1.1	UG/L	
2,4,6-TRINITROTOLUENE	6.2	UG/L	RBTL
2-AMINO-4,6-DINITROTOLUENE	2.9	UG/L	
4-AMINO-2,6-DINITROTOLUENE	3.4	UG/L	
Total Metals			
BARIUM	28.8	UG/L	RBTL
Dissolved Metals			
BARIUM	30.6	UG/L	RBTL

Well 06C14 Quarter 4			
Miscellaneous Inorganics			
AMMONIA	0.08	MG/L	
Volatiles			
CHLOROMETHANE	0.6	UG/L	
Total Metals			
BARIUM	23	UG/L	RBTL
LEAD	1.2	UG/L	
MANGANESE	302	UG/L	RBTL
ZINC	23	UG/L	
Dissolved Metals			
BARIUM	22.4	UG/L	RBTL
MANGANESE	303	UG/L	RBTL

Well 06C19 Quarter 3			
Miscellaneous Inorganics			
AMMONIA	0.05	MG/L	
Total Metals			
ARSENIC	1.5	UG/L	
BARIUM	48.8	UG/L	RBTL
MANGANESE	247	UG/L	RBTL
Dissolved Metals			
ANTIMONY	1.2	UG/L	
ARSENIC	1.4	UG/L	
BARIUM	45.5	UG/L	RBTL
MANGANESE	241	UG/L	RBTL
ZINC	47.6	UG/L	

Well 06C13 Quarter 4			
Miscellaneous Inorganics			
AMMONIA	0.4	MG/L	
Volatiles			
CHLOROMETHANE	0.7	UG/L	
Total Metals			
ARSENIC	45.2	UG/L	RBTL
BARIUM	81.8	UG/L	RBTL
COPPER	4.3	UG/L	
MANGANESE	535	UG/L	RBTL
Organics			
TOTAL ORGANIC CARBON	1.2	MG/L	
Dissolved Metals			
ANTIMONY	2.4	UG/L	
ARSENIC	35.8	UG/L	RBTL
BARIUM	59.6	UG/L	RBTL
MANGANESE	531	UG/L	RBTL

Well 06C08 Quarter 4			
Miscellaneous Inorganics			
AMMONIA	0.26	MG/L	
Total Metals			
BARIUM	72.4	UG/L	RBTL
LEAD	2	UG/L	
MANGANESE	25.6	UG/L	
VANADIUM	3.2	UG/L	
ZINC	55.5	UG/L	
Volatiles			
CHLOROMETHANE	1	UG/L	
Dissolved Metals			
BARIUM	37.8	UG/L	RBTL

Well 06C12 Quarter 3			
Miscellaneous Inorganics			
AMMONIA	0.13	MG/L	
CYANIDE	0.01	MG/L	
Total Metals			
BARIUM	32.6	UG/L	RBTL
MANGANESE	453	UG/L	RBTL
Dissolved Metals			
ANTIMONY	1.5	UG/L	
BARIUM	34.2	UG/L	RBTL
MANGANESE	403	UG/L	RBTL

Well 06C18 Quarter 4			
Miscellaneous Inorganics			
AMMONIA	0.23	MG/L	
Total Metals			
ARSENIC	2.2	UG/L	RBTL
BARIUM	86.5	UG/L	RBTL
MANGANESE	144	UG/L	RBTL
Volatiles			
CHLOROMETHANE	1.3	UG/L	
Dissolved Metals			
ANTIMONY	2.6	UG/L	
ARSENIC	2.6	UG/L	RBTL
BARIUM	92.1	UG/L	RBTL
MANGANESE	137	UG/L	RBTL

Well 06C11 Quarter 4			
Total Metals			
ARSENIC	1.3	UG/L	
BARIUM	60.1	UG/L	RBTL
LEAD	4.7	UG/L	RBTL
ZINC	12.3	UG/L	
Dissolved Metals			
ARSENIC	1.1	UG/L	
BARIUM	45.4	UG/L	RBTL
Miscellaneous Inorganics			
AMMONIA	0.33	MG/L	

FIGURE 8.2.8
ORGANIC AND INORGANIC DETECTIONS
IN GROUNDWATER

OLD RIFLE RANGE
4TH QUARTER, 2004
AQUIFER: BIG CLIFTY/BEECH CREEK

⊕ Monitoring Well
Roads
Streams

580 290 0 580 Feet

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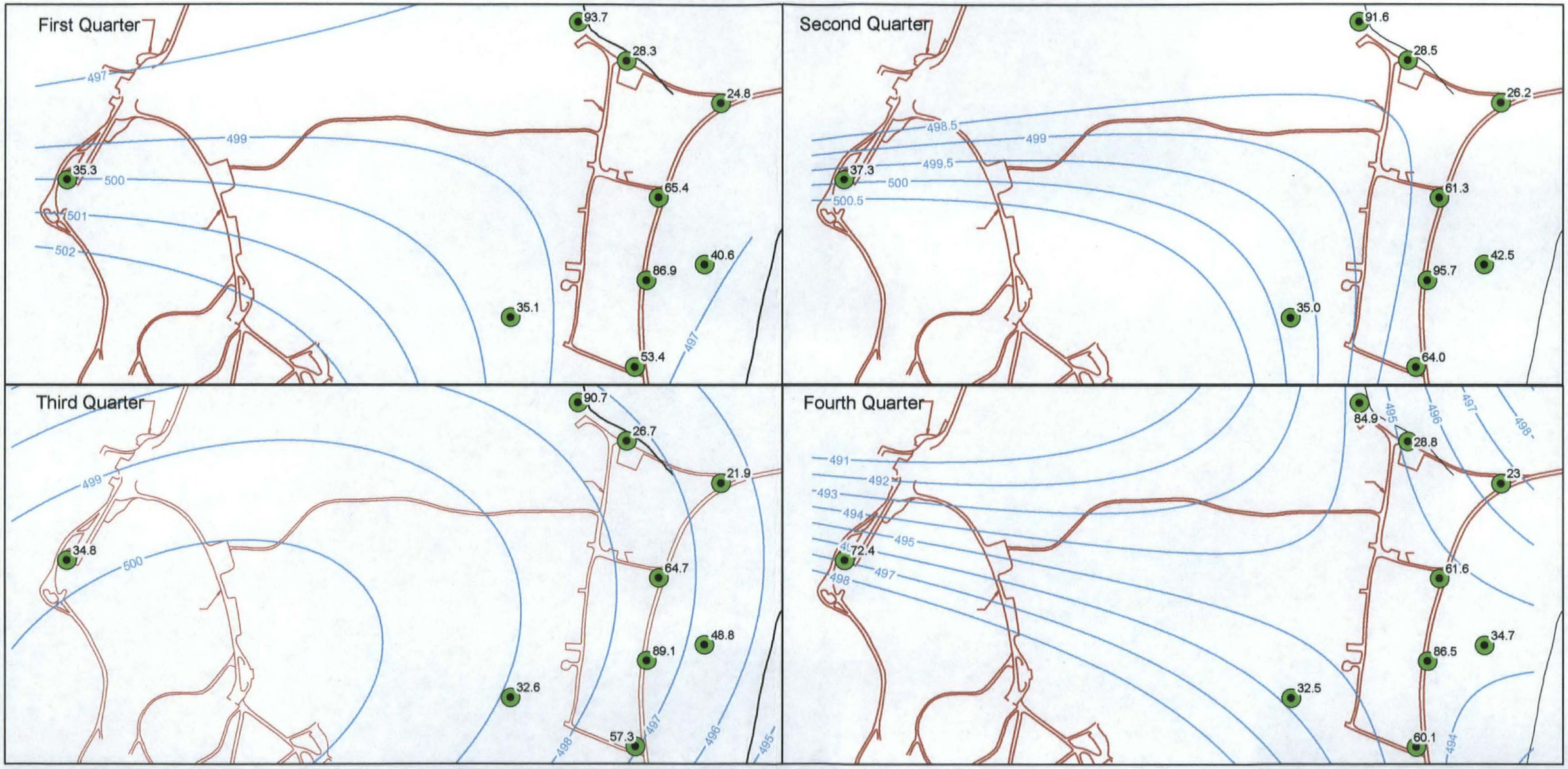

FIGURE 8.2.9 Quarterly Total Barium Concentrations in ORR Monitoring Wells

Old Rifle Range
Aquifer: Big Clifty/ Beech Creek
Year: 2004

Concentration Units: Micrograms per Liter
Risk-Based Target Level = 3.9

Monitoring Wells
Roads
Streams
Detected Concentrations
Head Water

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1,000 500 0 1,000 Feet

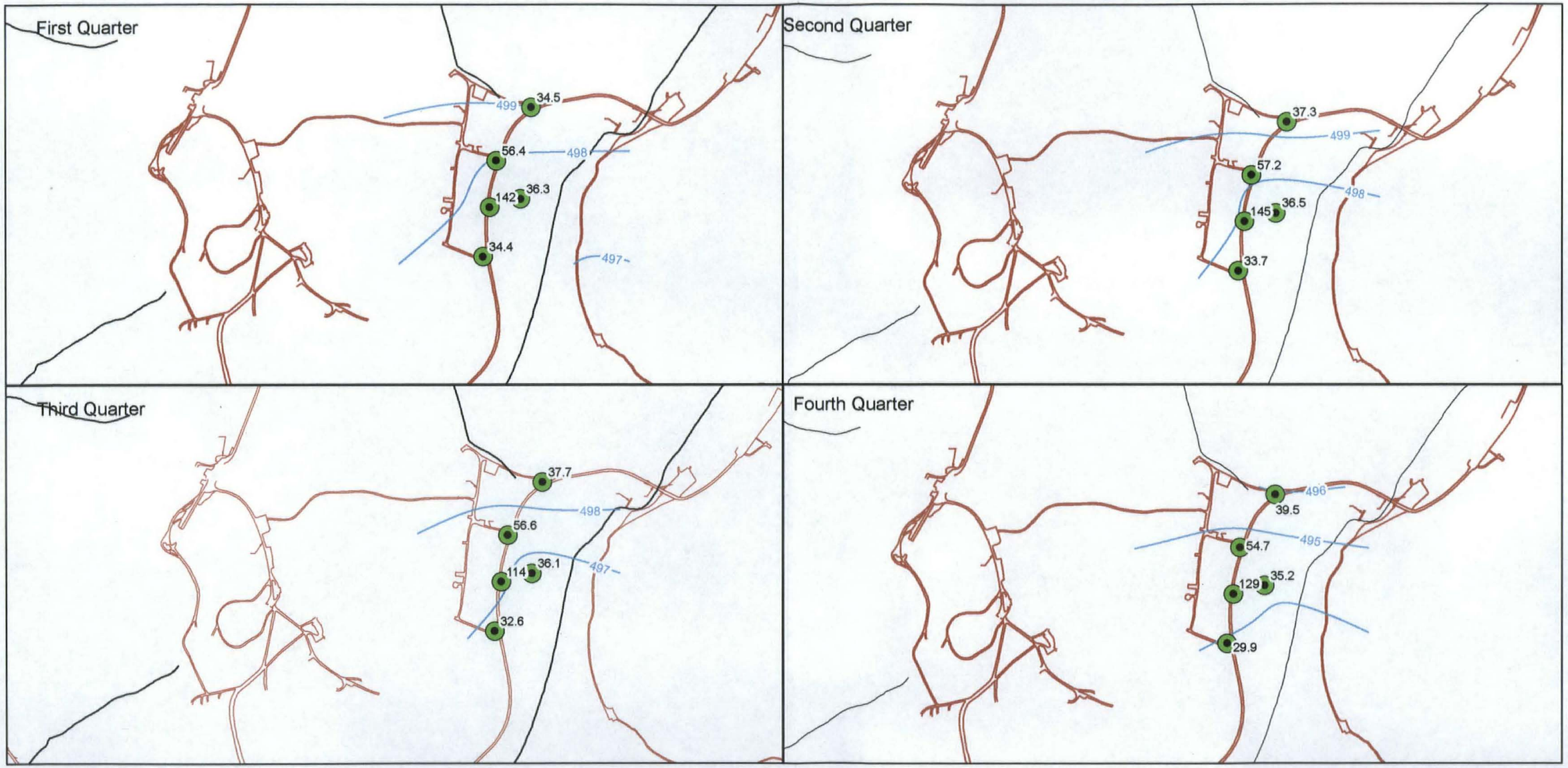

FIGURE 8.2.10 Quarterly Total Barium Concentrations in ORR Monitoring Wells

Old Rifle Range
Aquifer: Upper Big Clifty
Year: 2004

Concentration Units: Micrograms per Liter
Risk-Based Target Level = 3.9

Monitoring Wells
Streams
Roads
Head water
Detected Concentrations

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1,500 750 0 1,500 Feet

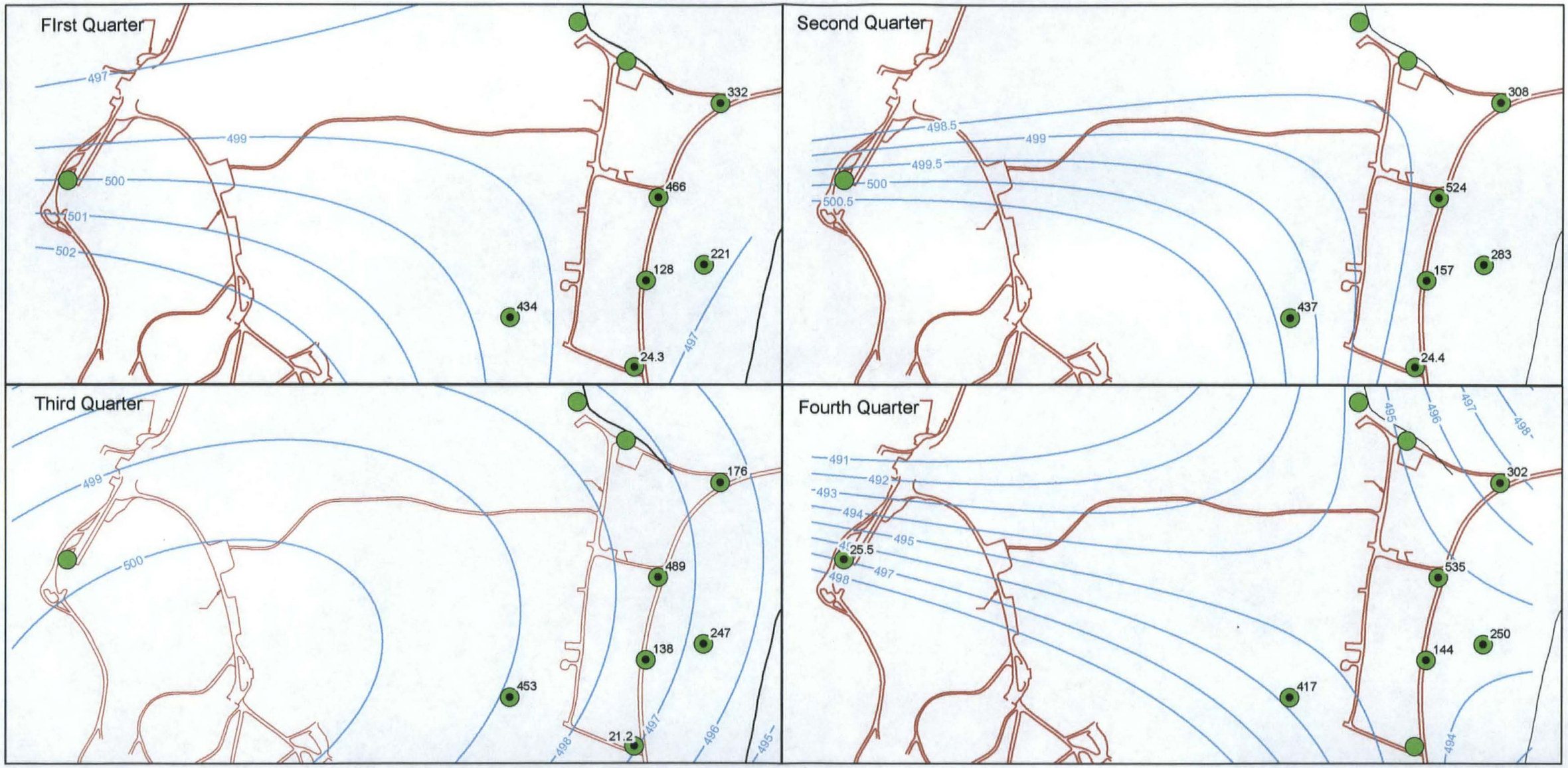

FIGURE 8.2.11 Quarterly Total Manganese Concentrations in ORR Monitoring Wells

Old Rifle Range
Aquifer: Big Clifty/ Beech Creek
Year: 2004

Concentration Units: Micrograms per Liter
Risk-Based Target Level = 50

- Detected Concentrations
- Monitoring Wells
- Head Water
- Streams
- Roads

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1,000 500 0 1,000 Feet

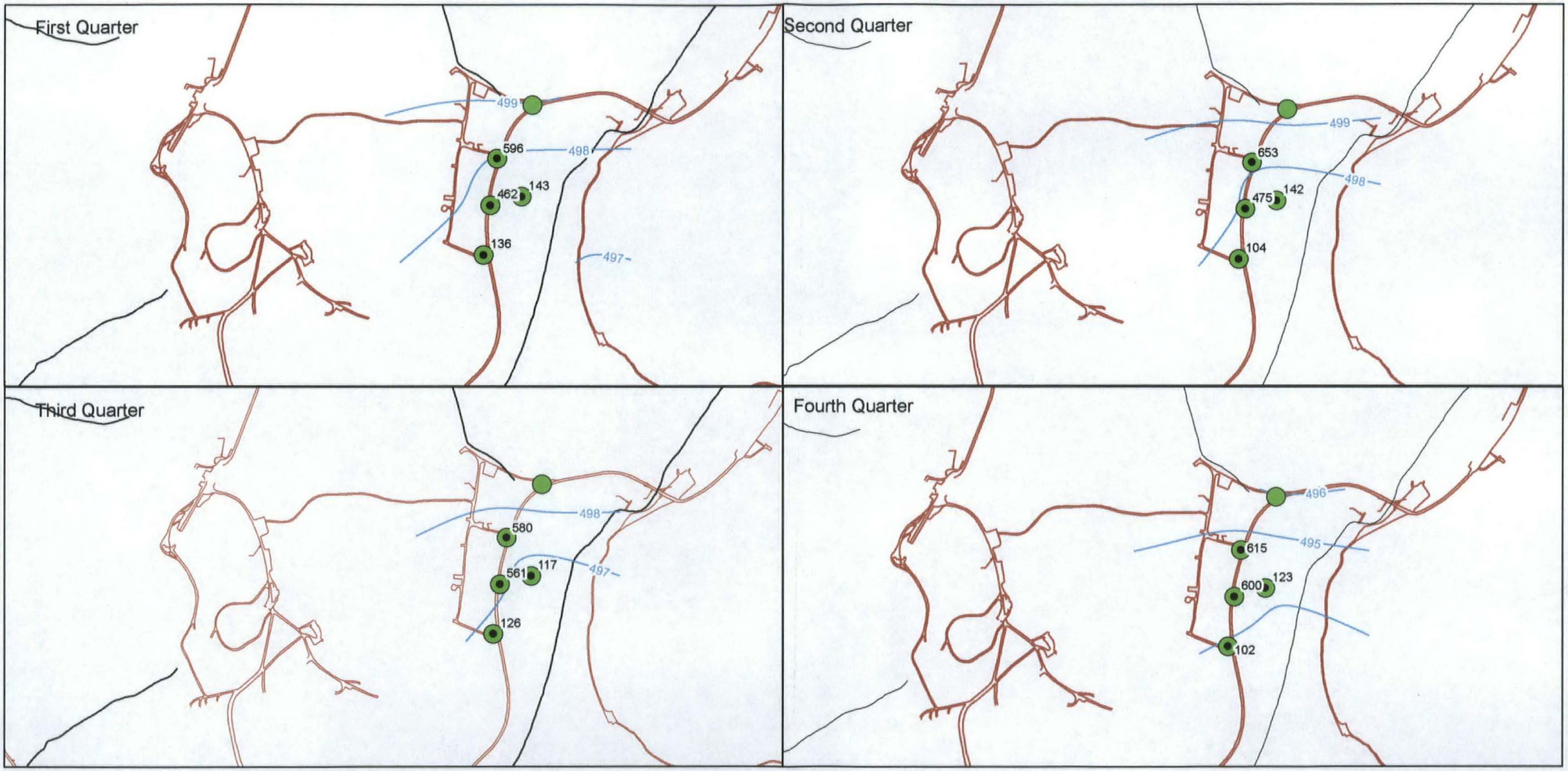

FIGURE 8.2.12 Quarterly Total Manganese Concentrations in ORR Monitoring Wells

Old Rifle Range
Aquifer: Upper Big Clifty
Year: 2004

Concentration Units: Micrograms per Liter
Risk-Based Target Level = 50

- Detected Concentrations
- Monitoring Wells
- Head Water
- Streams
- Roads

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1,500 750 0 1,500 Feet

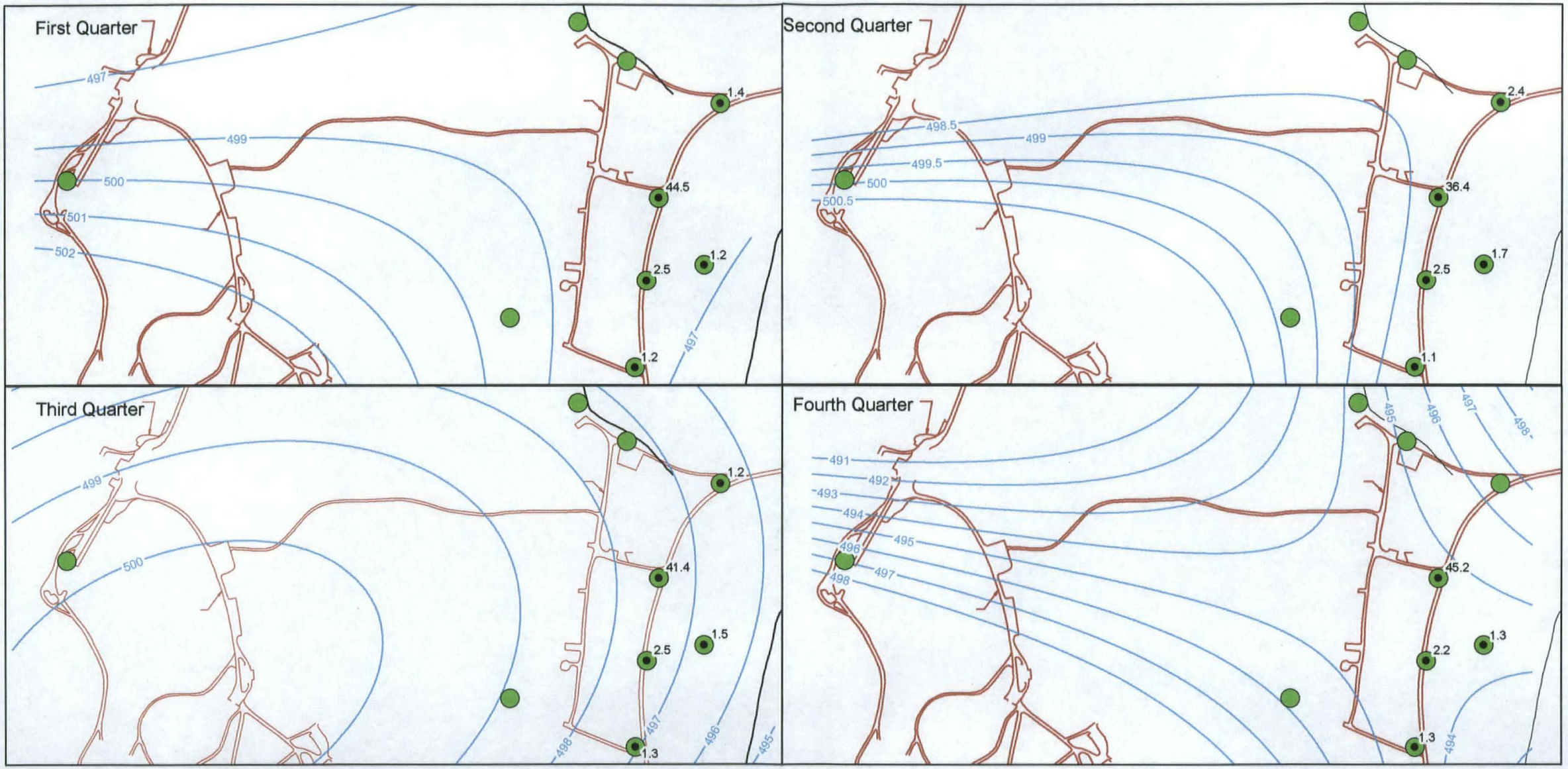

FIGURE 8.2.13 Quarterly Total Arsenic Concentrations in ORR Monitoring Wells

Old Rifle Range
Aquifer: Big Clifty/ Beech Creek
Year: 2004

Concentration Units: Micrograms per Liter
Risk-Based Target Level = 2

- Detected Concentrations
- Monitoring Wells
- Head Water
- Streams
- Roads

N
W E
S

1,000 500 0 1,000 Feet

8.3 Demolition Range

Similar to the Old Rifle Range (ORR), the well network at the Demolition Range (DR) was designed to monitor conditions in the surficial and underlying aquifers at the site. Weathering has made the presence of surficial formations highly variable. The contact of the Pennsylvanian formation with the underlying Mississippian intercepts the ground surface on the eastern and southern sides of the Demo Range ridge. A set of four shallow wells (denoted by well names ending with "P2") is screened in sandstones of the Pennsylvanian Mansfield Formation (where possible) and the limestone and limey shale of the Golconda/Haney Formation. The remaining wells are screened in the deeper formations, the Big Clifty sandstone and the Beech Creek limestone. The Big Clifty and Beech Creek formations are grouped together as one aquifer system at the Demo Range as well as other Solid Waste Management Units at the facility.

Historically, evidence of contamination of groundwater underlying the Demo Range included only metals (TtNUS, 1999). Barium, copper, and antimony persisted in four rounds of sampling of the Big Clifty/Beech Creek wells. However, the elevated concentrations of copper and antimony were attributed to sampling artifacts. In addition, iron and manganese were "markedly high in at least six" of the Demo Range wells. Two Demo Range wells, 06C06 and 06C07 are 300 feet apart on the western flank of the site. These wells exhibited statistically high concentrations of several metals including cadmium, beryllium, zinc, nickel, aluminum, arsenic, manganese, and cobalt.

Figures 8.3.1-8.3.4 show all the detections in monitoring wells at the Demo Range for the two sampling rounds in 2004. Results at the Demo Range generally agree with the historical data; detections in Demo Range monitoring wells were predominately metals. Detections of organics included TOC in well 06C03 in both quarters and in well 06C04 in the first quarter and cyanide in well 06C04P2 in the third quarter. The only report of an explosive was RDX in well 06C03P2 in both quarters. Metal detections were predominantly barium and manganese, with manganese appearing persistently in the three eastern wells in the Big Clifty/Beech Creek aquifer. Arsenic was found in well 06C03 above the RBTL in both quarters and cobalt was encountered in well 06C08P2 above the RBTL in both quarters. Sporadic hits of aluminum, nickel, zinc, calcium, copper, potassium and sodium were found at various sites, but only one well reported zinc and one reported copper above the RBTL.

The 2004 Demo Range results were evaluated to determine which constituents were statistically higher than background (Section 7.0). In addition, the newer data was combined with data from 2000-2003 to establish the long term moving average for each constituent. Table 8.3 shows the Demo Range results that were significantly higher than background well C08 and exceeded an RBTL in at least one of the two sampling rounds. Monitoring point objectives as per the GWMP (Tetra Tech NUS, 1999) are noted in the table. Constituents that exceeded both thresholds in compliance wells include arsenic, barium, and manganese, and each exceeded both thresholds in more than one well. Most of the wells that exhibited an exceedance of both thresholds were screened in the network of deeper wells finished in the Big Clifty/Beech Creek aquifer system.

Similar to results at the Ammunition Burning Grounds and Old Rifle Range, total and dissolved barium values were detected above the RBTL of 3.9 μg/L in every well in each

round of sampling. Figure 8.3.5 shows the quarterly total barium concentrations in the Big Clifty/Beech Creek aquifer relative to respective water level contours (see Figure 8.3.3 for well references). Point of compliance wells with barium concentrations that exceeded both the concentration and statistical thresholds include 06C03P2, 06C04P2, 06C04 and 06C07. As discussed previously, results from the Basewide Background Soils Investigation indicated that all of the barium samples from the base were greater than the SRBTL of 1.04 mg/kg. Unlike the Ammunition Burning Grounds, however, we did not have soil data specific to the Demo Range to compare to the background levels.

Manganese was detected at concentrations that exceeded the RBTL of 50 µg/L and that were statistically significant in several wells screened in the Big Clifty/Beech Creek aquifer (Figure 8.3.6; see Figure 8.3.3 for well references). Point of compliance wells that exceeded both thresholds for manganese included 06C02, 06C03, and 06C04 (Table 8.3).

Tables 8.3.2 and 8.3.3 show all results greater than the established RBTL regardless of their statistical significance.

Table 8.3 Demolition Range Monitoring Points with results exceeding RBTL and statistically higher than background. [C = Compliance]

Parameter	Well	MP Objective	RBTL Exceedances by Quarter 2004	
			1st	3rd
METALS				
Arsenic	06C03	C	X	X
Arsenic (filtered)	06C03	C	X	X
Barium	06C03P2	C	X	X
	06C04	C	X	X
	06C04P2	C	X	X
	06C07	C	X	X
Barium (filtered)	06C02	C	X	X
	06C03	C	X	X
	06C03P2	C	X	X
	06C04	C	X	X
	06C05	C	X	X
	06C04P2	C	X	X
	06C07	C	X	X
Manganese	06C02	C	X	X
	06C03	C	X	X
	06C04	C	X	X
Manganese (filtered)	06C02	C	X	X
	06C03	C	X	X
	06C04	C	X	X

Table 8.3.2. Demolition Range Pennsylvanian/Golconda Haney aquifer monitoring points with results exceeding an established RBTL.

Parameter	Well	2004 RBTL Exceedences by Quarter			
		1st	2nd	3rd	4th
Metals					
Barium	06C03P2	X		X	
	04C04P2	X		X	
	06C06P2	X		X	
	06C08P2	X		X	
Barium (Filtered)	06C03P2	X		X	
	06C04P2	X		X	
	06C06P2	X		X	
	06C08P2	X		X	
Cobalt	06C08P2			X	
Cobalt (Filtered)	06C08P2	X		X	
Copper	06C03P2	X			
Manganese	06C08P2	X		X	
Manganese (Filtered)	06C08P2	X		X	
Zinc	06C04P2			X	
Explosives					
RDX	06C03P2			X	

Table 8.3.3 Demolition Range Big Clifty/Beech Creek aquifer monitoring points with results exceeding the established RBTL.

Parameter	Well	2004 RBTL Exceedences by Quarter			
		1st	2nd	3rd	4th
Metals					
Arsenic	06C03	X		X	
Arsenic (Filtered)	06C03	X		X	
Barium	06C02	X		X	
	06C03	X		X	
	06C04	X		X	
	06C05	X		X	
	06C06	X		X	
	06C07	X		X	
	06C08	X		X	
Barium (Filtered)	06C02	X		X	
	06C03	X		X	
	06C04	X		X	
	06C05	X		X	
	06C06	X		X	
	06C07	X		X	
	06C08	X		X	
Manganese	06C02	X		X	
	06C03	X		X	
	06C04	X		X	
Manganese (Filtered)	06C02	X			
	06C03	X		X	
	06C04	X		X	

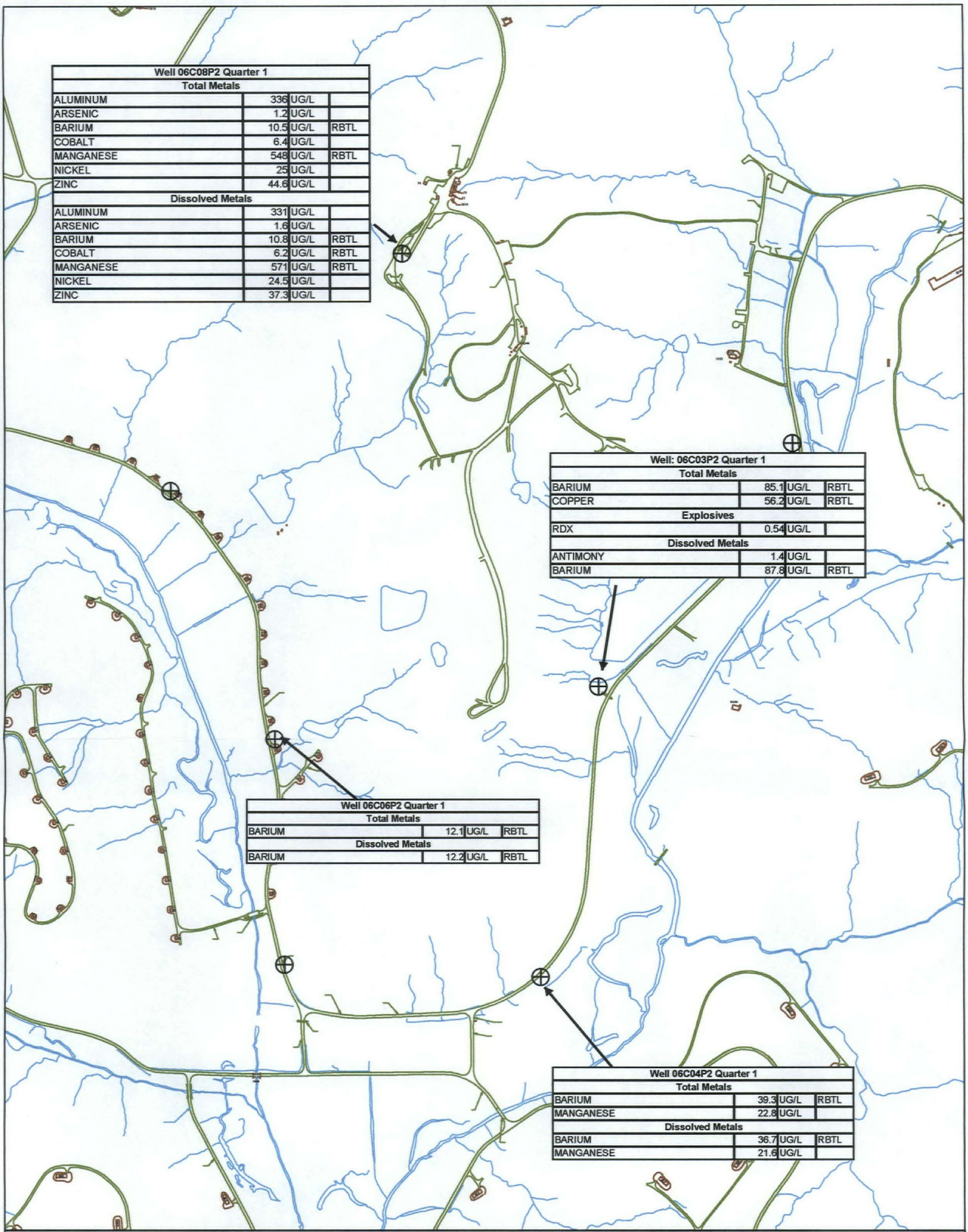

FIGURE 8.3.1
ORGANIC AND INORGANIC DETECTIONS
IN GROUNDWATER

DEMOLITION RANGE
1ST QUARTER, 2004
AQUIFER: PENNSYLVANIAN AND GOLCONDA/ HANEY

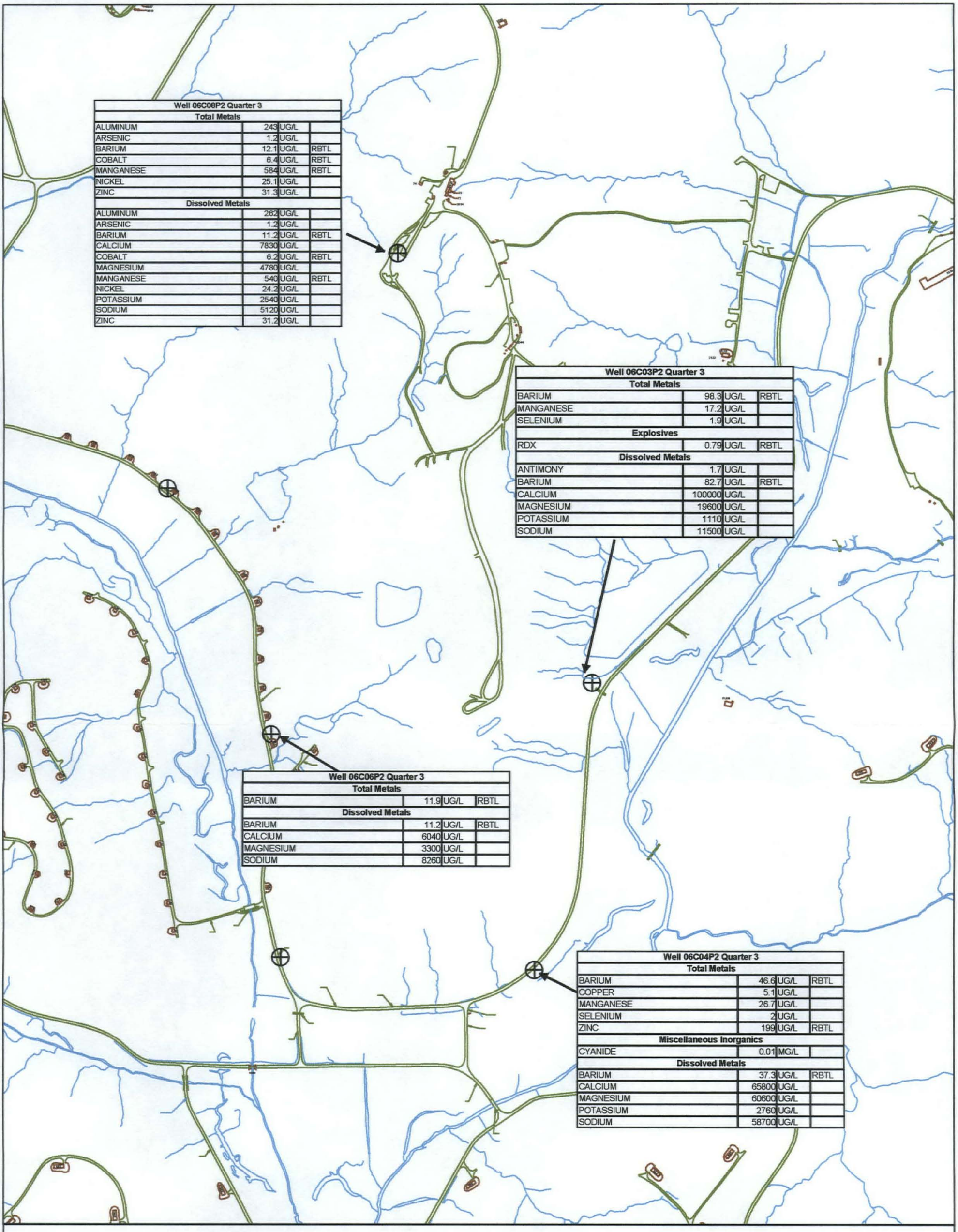

FIGURE 8.3.2
ORGANIC AND INORGANIC DETECTIONS
IN GROUNDWATER

DEMOLITION RANGE
3RD QUARTER, 2004
AQUIFER: PENNSYLVANIAN AND GOLCONDA/ HANEY

DR Monitoring Well
Roads
Streams

N
W E
S

0 600 1,200 2,400
Feet

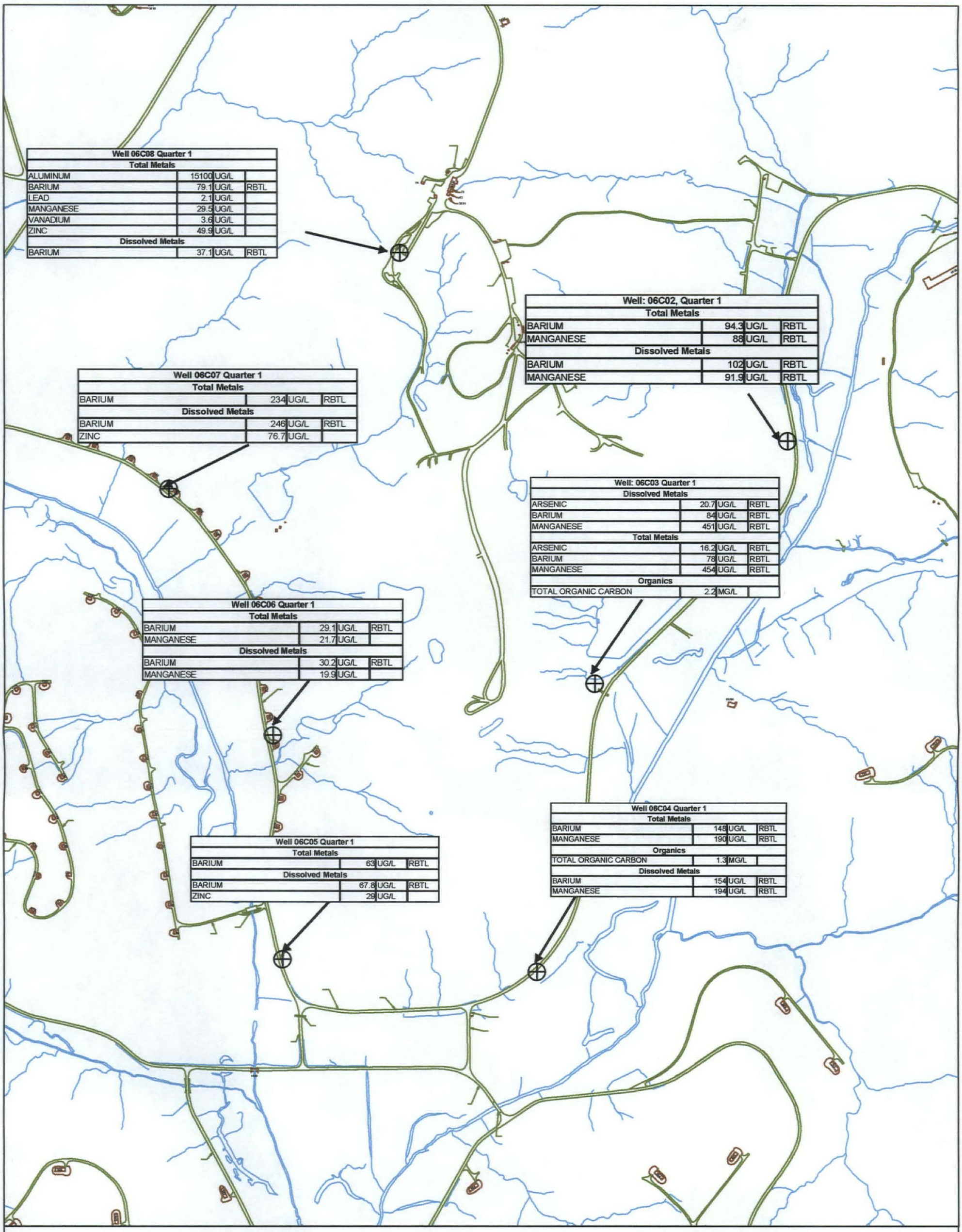

FIGURE 8.3.3
ORGANIC AND INORGANIC DETECTIONS
IN GROUNDWATER

DEMOLITION RANGE
1ST QUARTER, 2004
AQUIFER: BIG CLIFTY/ BEECH CREEK

⊕ DR Monitoring Well
Roads
Streams

N
W E
S

0 600 1,200 2,400
Feet

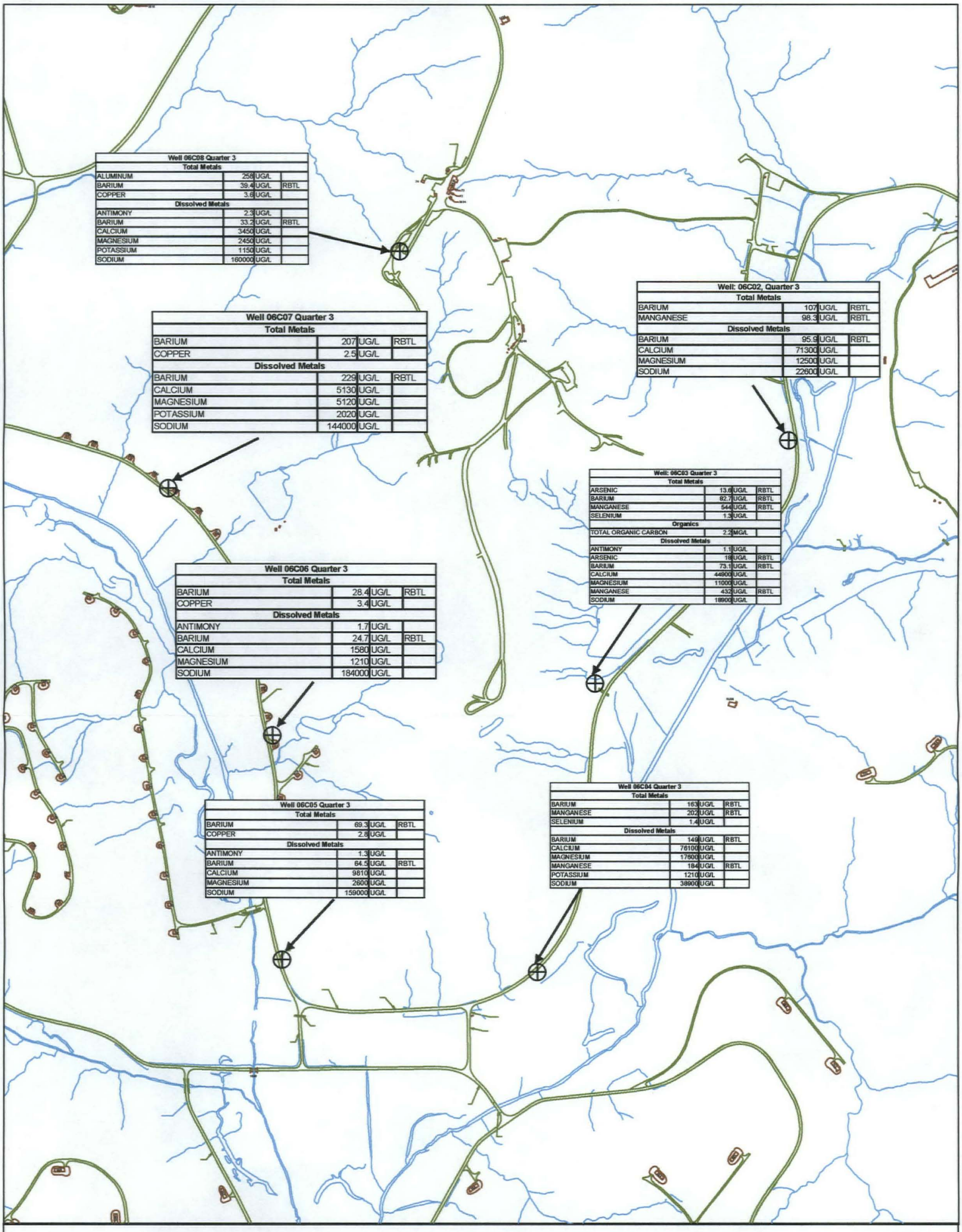

FIGURE 8.3.4
ORGANIC AND INORGANIC DETECTIONS
IN GROUNDWATER

DEMOLITION RANGE
3RD QUARTER, 2004
AQUIFER: BIG CLIFTY/ BEECH CREEK

Monitoring Well
Roads
Streams

N
W E
S

0 600 1,200 2,400
Feet

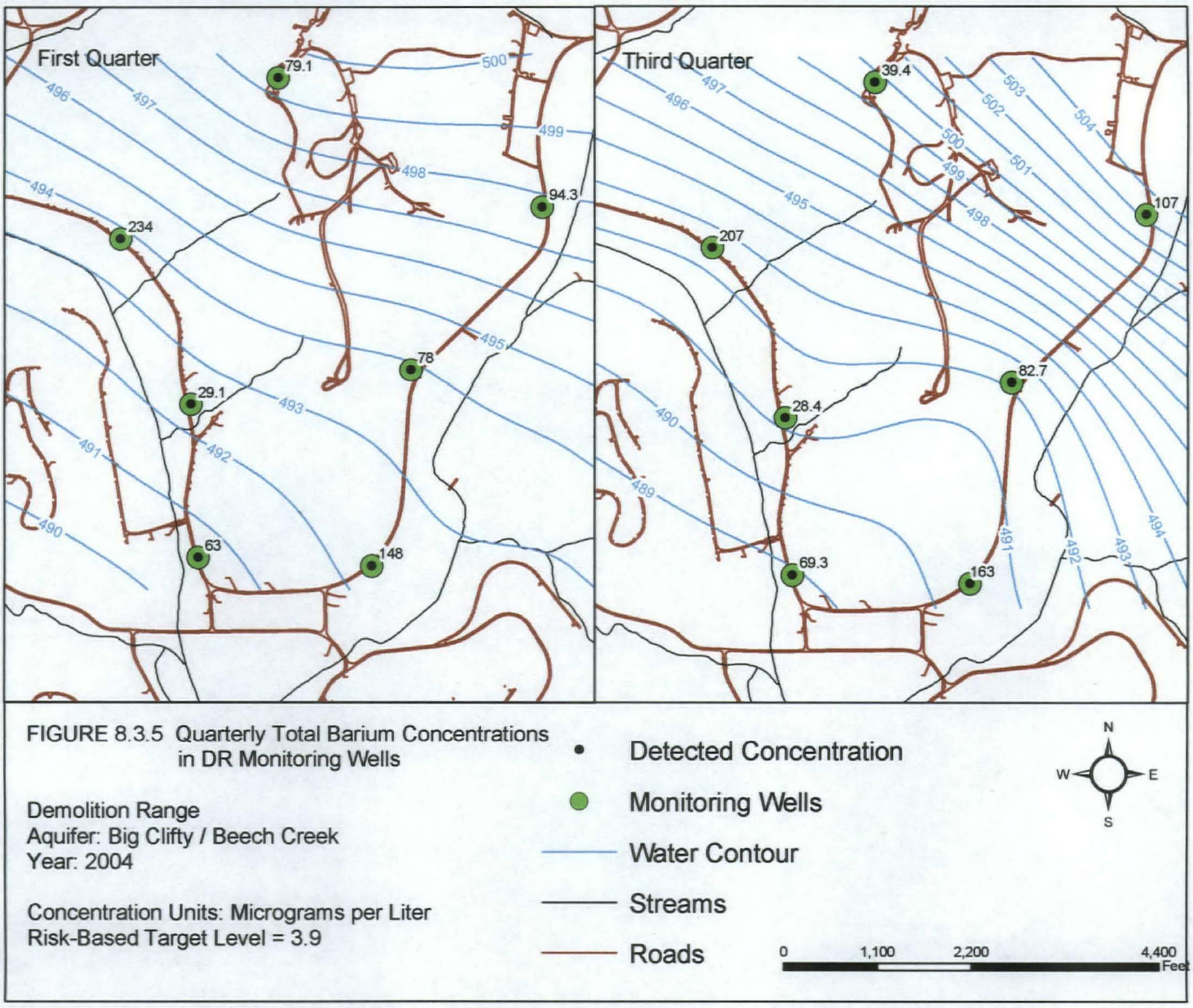

FIGURE 8.3.5 Quarterly Total Barium Concentrations in DR Monitoring Wells

Demolition Range
Aquifer: Big Clifty / Beech Creek
Year: 2004

Concentration Units: Micrograms per Liter
Risk-Based Target Level = 3.9

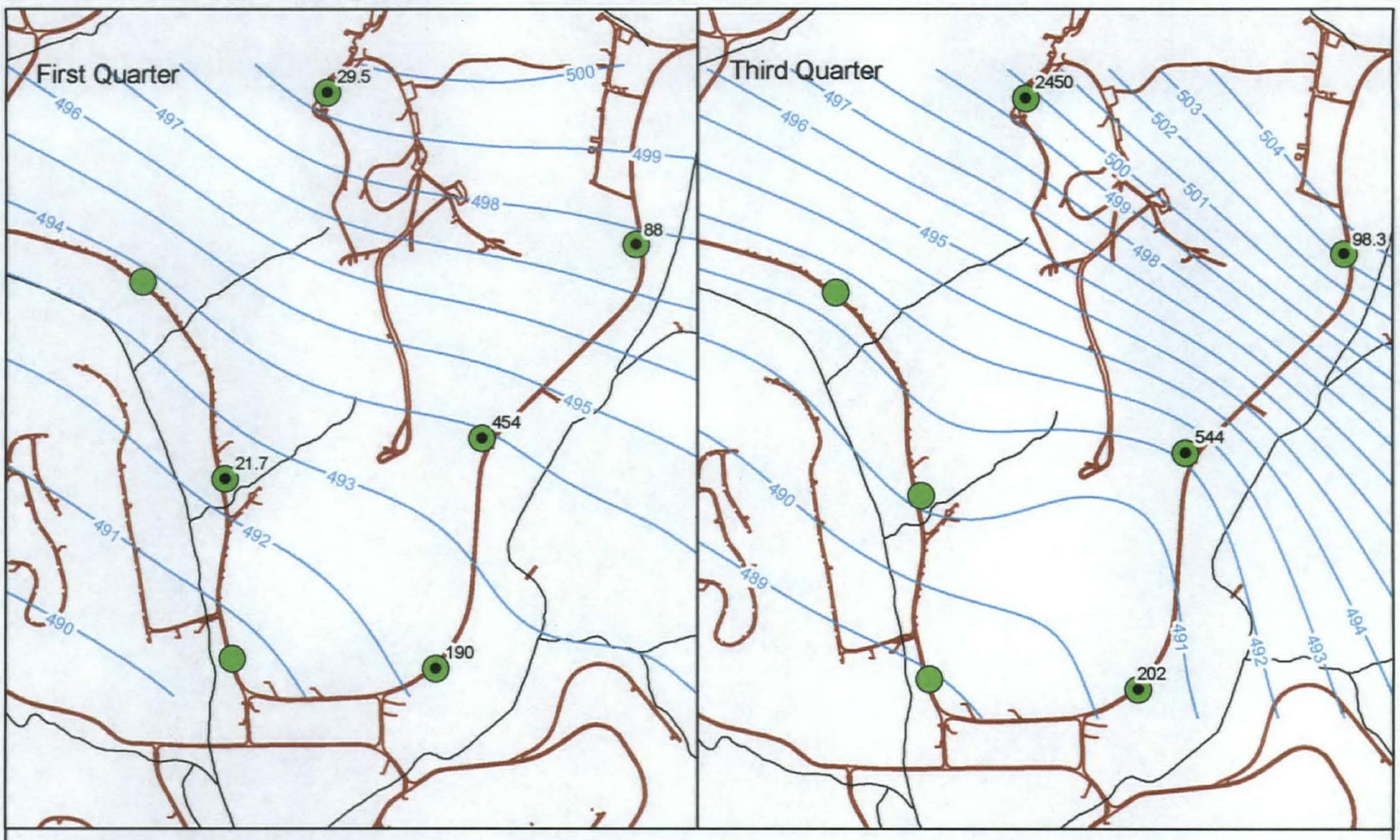

FIGURE 8.3.6 Quarterly Total Manganese Concentrations in DR Monitoring Wells

Demolition Range
Aquifer: Big Clifty / Beech Creek
Year: 2004

Concentration Units: Micrograms per Liter
Risk-Based Target Level = 50

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9.0

CONCLUSIONS

9.0 Conclusions

Results from the 2004 quarterly monitoring at the Ammunition Burning Grounds generally agree with previous findings. Metals, explosives, and organic compounds were detected in the Beech Creek Aquifer, often at concentrations above the respective RBTL. Risk-Based Target Limits were commonly exceeded in points of compliance wells. Barium, TCE, and RDX were the most frequently detected compounds at the site. Barium, TCE, and RDX were all found at concentrations above the RBTL in multiple wells on the site. Explosives are migrating offsite by way of the springs. RDX was commonly detected above the RBTL in both springs. HMX was detected frequently in onsite wells and in the springs, but at concentrations well below the RBTL. In addition to RDX and HMX, TNT was found in all four quarters and nitro-toluene daughter products of the explosives were also found exiting Spring A in three of the four quarters. The presence of the degradation products indicates that some natural attenuation of explosives is occurring in the system.

Exceedance of an RBTL alone does not trigger action by 40 CFR 264 Subpart F. 40 CFR 264.91(a)(2) requires corrective action under 264.100 whenever an RBTL is exceeded at a POC *and* the concentration is statistically significant compared to background. Points of compliance define the edge of the monitoring zone as outlined in the GWMP. Statistical analysis revealed detections that were significantly higher than background concentrations in ABG POC wells. Constituents that exceeded an RBTL and were statistically significant in one or more POC wells include 1,3,5-trinitrobenzene, RDX, arsenic, barium, lead, zinc, 1,2-dichloroethane, carbon tetrachloride, chloroform, cis-1,2-dichloroethene, and TCE.

Barium, Trichloroethene, and RDX were the constituents with the highest number of significant exceedances in ABG POC wells. All the other constituents listed above exceeded the RBTL and met the statistical threshold in no more than two POC sites. RDX and TCE may pose the most serious threat of offsite migration at the ABG. RDX exceeded the concentration and statistical thresholds in four ABG POC wells as well as Spring A. However, the number of sites exceeding both thresholds for RDX has decreased each year from 2000 to 2002, but remained the same for 2003 and 2004.

The number of ABG wells exceeding both thresholds for TCE decreased sharply from 2001 when ten wells were found to have concentrations that exceeded both the concentration and statistical threshold. In 2002, only two wells exceeded both thresholds. 2003 saw an increase to seven wells, but in 2004 the results were down to three wells. The decrease in the number of wells exceeding both thresholds for RDX and TCE evident in the 2004 data may be due to natural attenuation.

Barium exceeded both thresholds in nine POC wells and both springs. Historic activities at the ABG could have contributed to the elevated presence of barium in groundwater underlying the site. Items have been burned at the unit that contained barium sulfate, an inert filler for projectiles and flares, known as "Salt-Load". The barium results may be due to natural or background conditions at the site. Results from the Basewide Background Soils Investigation (TtNUS, 2001) indicated that background samples were all greater than the SRBTL. However, comparisons of soil barium concentrations measured at the site with the Background Soils Investigation results shows that surface

and subsurface soil concentrations at the site are generally greater than found basewide.

Detected constituents at the Old Rifle Range were predominantly metals. Elevated barium concentrations were ubiquitous in both well networks at the ORR. Similar to the ABG, the results may be due to natural or background conditions at the site. Other metals detected with some frequency at the ORR included manganese and arsenic. Previous work at the ORR showed the persistence of TNT, RDX, and HMX. Detections of these parent compounds in 2004 were limited to TNT in Well 06C15, as was the case in 2002 and 2003. In addition, nitro-toluene daughter products were also detected in Well 06C15.

Constituents that exceeded an RBTL and were statistically significant in one or more ORR POC wells include arsenic, barium, manganese, and lead. Manganese and barium were the constituents with the highest number of significant exceedances in ORR POC wells. Manganese exceeded the RBTL and statistical threshold in POC Wells 06C11P2, 06C13P2, 06C18P2, 06C12, 06C13, 06C14, and 06C18 as well as the downgradient Wells 06C19 and 06C19P2. Barium exceeded the RBTL and statistical threshold in POC wells 06C13P2, 06C18P2, 06C11, 06C13, 06C16, and 06C18.

Previous work at the Demolition Range showed the persistence of metals. Results at the DR generally agree with the historic data. Detections in DR monitoring wells were predominately metals. Similar to the ABG and ORR, elevated barium concentrations were ubiquitous in both well networks at the DR. As is the case with the other sites, the results may be due to natural or background conditions.

Constituents that exceeded an RBTL and were statistically significant in one or more DR POC wells include arsenic, barium, and manganese. Historically, as noted in the Groundwater Monitoring Plan, Wells 06C06 and 06C07 were found to have the highest number of statistical exceedances. Results from 2004 indicate that POC Well 06C03 exhibited the most exceedances of both the concentration and statistical thresholds. Barium was the constituent with the highest number of significant exceedances in DR POC wells. Point of compliance wells with total barium concentrations that exceeded both thresholds includes 06C03P2, 06C04P2, 06C04 and 06C07. POC wells with dissolved barium concentrations that exceeded both thresholds include 06C02, 06C03, 06C04, 06C05, 06C07, 06C03P2 and 06C04P2. Total and dissolved manganese exceeded the RBTL and statistical threshold in three POC wells, including 06C02, 06C03, and 06C04.