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COMPLETION REPORT FOR THE GROUNDWATER SAMPLING PERFORMED IN SUPPORT OF THE PILOT PHASE ICO PROJECT

WELDON SPRING SITE REMEDIAL ACTION PROJECT
WELDON SPRING, MISSOURI

JANUARY 2004 **REV. 0**

U.S. Department of Energy
Grand Junction Office
Weldon Spring Site Remedial Action Project

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Weldon Spring Site Remedial Action Project

Completion Report for the Groundwater Sampling Performed in Support of the Pilot Phase ICO Project

Revision 0

January 2004

Prepared by

U.S. DEPARTMENT OF ENERGY
Grand Junction Office
DE-AC13-02GJ79491

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1-12-04

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1. INTRODUCTION

Design, installation, and operation of the pilot phase in situ chemical oxidation (ICO) system was conducted by ATC Associates, Inc. and GeoCleanse International. The field activities were conducted at two pilot areas (high-K and low-K) from January to June 2002, and were comprised of the following tasks at each location: installation of one injection well and three monitoring wells; performing baseline geological, geophysical, and hydrological investigations; performing two chemical oxidation injections; and collecting samples before, during, and after treatment. The two pilot areas were selected by the Project Management Contractor (PMC) to provide a representative range of subsurface conditions that may be encountered in the area of trichloroethylene (TCE) impact. A summary of the field activities performed by the subcontractor is provided in *Pilot Scale Test Completion Report,In-Situ Chemical Oxidation of TCE in Groundwater* (Ref. 1).

1.1 Purpose

Sampling was also performed by the PMC to complement the subcontractor's sampling plan by monitoring the same analytical parameters at the same frequency but over a larger geographic area (Ref. 2). A total of 22 monitoring wells within the TCE impact area and 3 springs that have demonstrated a hydraulic connection to the chemical plant area were sampled. The subcontractor's observation wells were also sampled by the PMC for this study. The results from the additional sampling were used in conjunction with the subcontractor's results to: 1) evaluate the effectiveness of the pilot-phase ICO project in reducing TCE concentrations in the study area, 2) identify the effect of the ICO process on other site contaminants, 3) identify potential impacts of the ICO process on other physical and chemical characteristics of the aquifer, and 4) assess the feasibility of implementing the ICO process of a larger scale.

1.2 Scope

Five sampling events, which were closely coordinated with the chemical injections, were performed in support of the pilot-scale ICO test. The initial sampling was performed to establish baseline concentrations in the monitoring wells prior to the injection of oxidants into the shallow aquifer. Sampling was then conducted approximately 10 days after the first injection and then 10, 30, and 60 days following the second injection. The second injection occurred approximately 30 days after the first injection.

An additional sampling event was performed during September 2003 (18 months after treatment) at selected locations to determine the effectiveness of TCE destruction and long-term impacts on groundwater quality due to injection of sodium permanganate into the subsurface. Locations selected were those that had exhibited significant impacts

from the ICO process. Other data from 2003 were also used to determine effects on the contaminants of concern in groundwater.

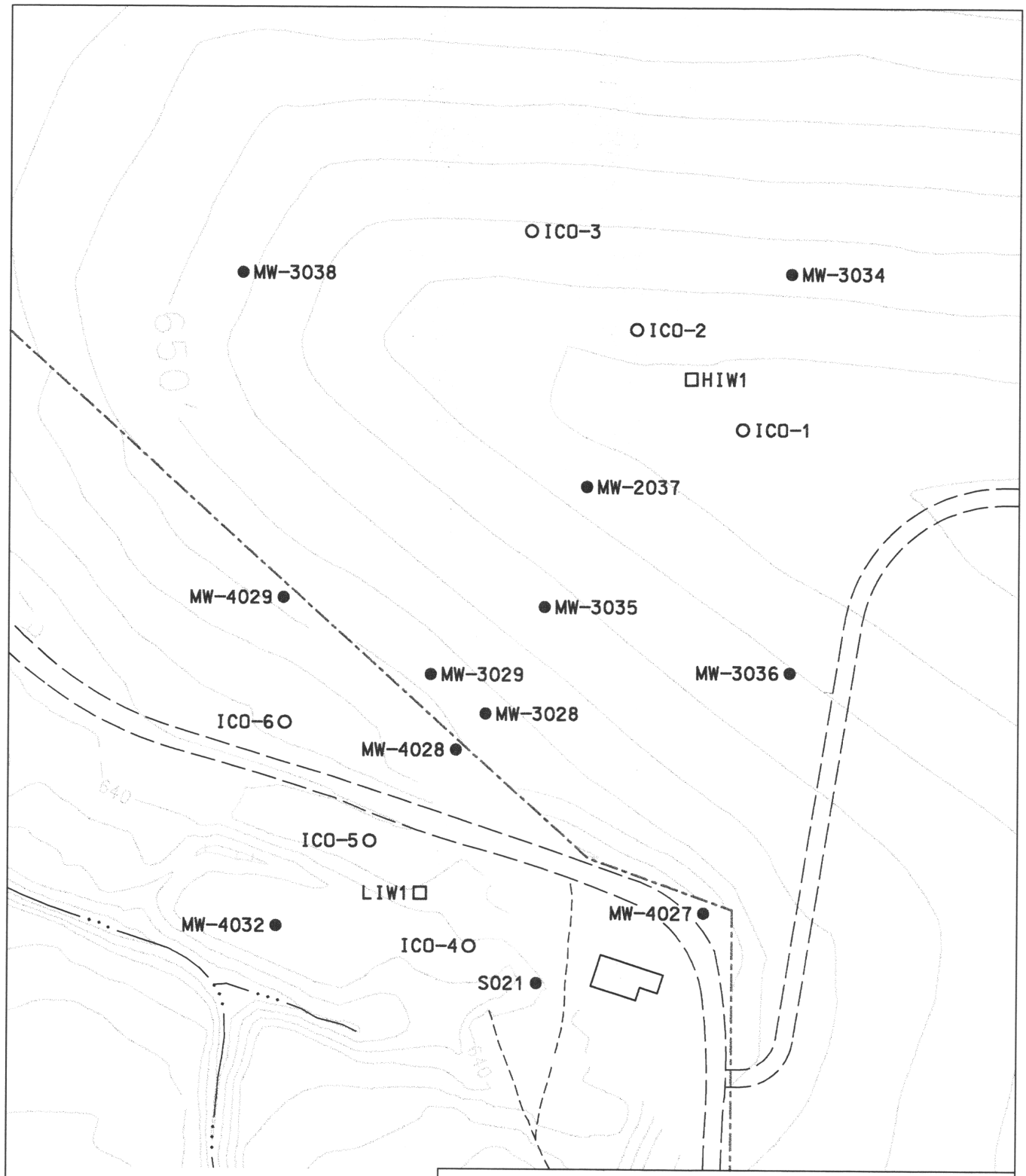
1.3 Description of Pilot-Phase ICO Project

The pilot-phase of the ICO project was performed in April and May 2002 to evaluate the effectiveness of the ICO process under actual field conditions and to assess the feasibility of implementing a full-scale system. The pilot-phase was performed at two locations, representing the upper and lower limits of hydraulic conditions in the bedrock aquifer within the area of higher TCE concentrations. Lower hydraulic conductivity exists in the aquifer in locations with TCE concentrations above the maximum contaminant level (MCL) of 5 μg/l; however, only areas exhibiting high TCE concentrations (> 100 μg/l) were targeted for the pilot phase ICO project in order to maximize contaminant destruction. Groundwater monitoring was continued by the PMC until July 2002. A full discussion of the field activities is presented in the *Pilot Scale Test Completion Report, In-Situ Chemical Oxidation of TCE in Groundwater,* (Ref. 1).

The conceptual approach utilized in the pilot phase was to begin with relatively small volumes of sodium permanganate, and increase under highly controlled conditions with monitoring over the course of two injection phases to determine an effective radius of influence and volume of permanganate. The approach was intended to provide the data necessary for full-scale project design and demonstrate effectiveness of ICO at the site, while minimizing the risk of overdosing the aquifer. Overdosing of the aquifer implies that more permanganate was injected than required to achieve the clean up objectives, resulting in larger impacts from secondary effects on the aquifer, such as elevated concentrations of metals that typically occur as impurities in sodium permanganate.

Two injection wells and six monitoring wells were installed for the pilot-phase ICO project (Figure 1-1). All of these wells were installed and screened through the full thickness of the weathered portion of the Burlington-Keokuk Limestone. Packer tests and borehole geophysical tests were performed to evaluate the hydraulic conductivity and groundwater flow in each of the injection wells. The hydraulic conductivities in the injection wells LIW1 and HIW1 were 4×10^{-4} cm/s and 3×10^{-3} cm/s, respectively. The value for HIW1 was considered a minimum value and was speculated to be much higher.

During the first stage of the pilot-phase ICO project, only the minimum calculated amount of sodium permanganate that might result in efficient distribution through the aquifer was injected. Sampling of nearby monitoring wells was performed during the treatment to evaluate the distribution of permanganate during and after injection. Results indicated that ICO-1 through ICO-3 and MW-3030 in the High K area and ICO-4, ICO-5,



LEGEND

● - EXISTING MONITORING WELL

□ - INJECTION WELL

○ - SUBCONTRACTOR MONITORING WELL

0 100 200

SCALE FEET

SUBCONTRACTOR INJECTION AND MONITORING WELLS

FIGURE 1-1

REPORT NO.: DOE/GJ/79491-939		EXHIBIT NO.: A/CP/001/0104	
ORIGINATOR: RC	DRAWN BY: GLN	DATE: 1/13/04	

MW-4028, and MW-4032 in the Low K area were potentially within the effective radius of influence based on oxidation-reduction potential measurements. Sodium permanganate was observed in ICO-2 three days after injection and in MW-3034 ten days after injection; however, permanganate was not observed in any of the monitoring wells near LIW1.

Based on the results of the first stage of injection, the target injection volumes were revised for the second stage. The volume of sodium permanganate solution injection at LIW1 was increased 600% and decreased 25% at HIW1. Sampling of nearby monitoring wells was again performed to evaluate the distribution of permanganate during and after injection. Results indicated that ICO-1 through ICO-3, MW-3032, MW-3034, and MW-3030 in the High K area and ICO-4 through ICO-6, MW-4028, MW-4032, and MW-S021 were potentially within the effective radius of influence.

2. FIELD STUDY RESULTS

Twenty-two monitoring wells within the TCE impact area and 3 springs that have demonstrated a hydraulic connection to the chemical plant area were sampled (Figures 2-1 and 2-2). During some sampling events, the PMC also sampled the subcontractor's 6 monitoring wells. Samples were analyzed for volatile organic compounds (trichloroethene [TCE], 1,2-dichloroethene [DCE], tetrachloroethene [PCE], and vinyl chloride [VC]), uranium, nitrate (as N), arsenic, barium, chromium, cadmium, lead, mercury, silver, selenium, manganese, and nitroaromatic compounds. Physical parameters such as temperature, pH, conductivity, dissolved oxygen, turbidity, and oxidation-reduction potential were also measured. The visible presence of unreacted permanganate (purple discoloration) was also noted during each sampling event.

In accordance with the sampling plan (Ref. 2), samples were collected during the following periods:

Baseline – 3 days prior to 1st injection	March 26 though April 1, 2002
Injection 1 – 10 days post injection 1	April 17 through April 23, 2002
Injection 2 – 10 days post injection 2	May 13 through May 16, 2002
30 days post injection 2	June 3 through June 11, 2002
60 days post injection 2	July 8 through July 17, 2002

2.1 Volatile Organic Compounds

Prior to the start of the pilot phase ICO project, the highest area of volatile organic compound (VOC) impact was centered around monitoring wells MW-3034 and MW-4029 (Figure 2-3). The distribution of TCE has been impacted by a previous study that included the injection of potable water as a source of recharge. A summary of baseline VOC concentrations, as well as post injection VOC concentrations, is presented in Table 2-1 and a complete record is contained in Appendix A.

Table 2-1 VOC Concentrations

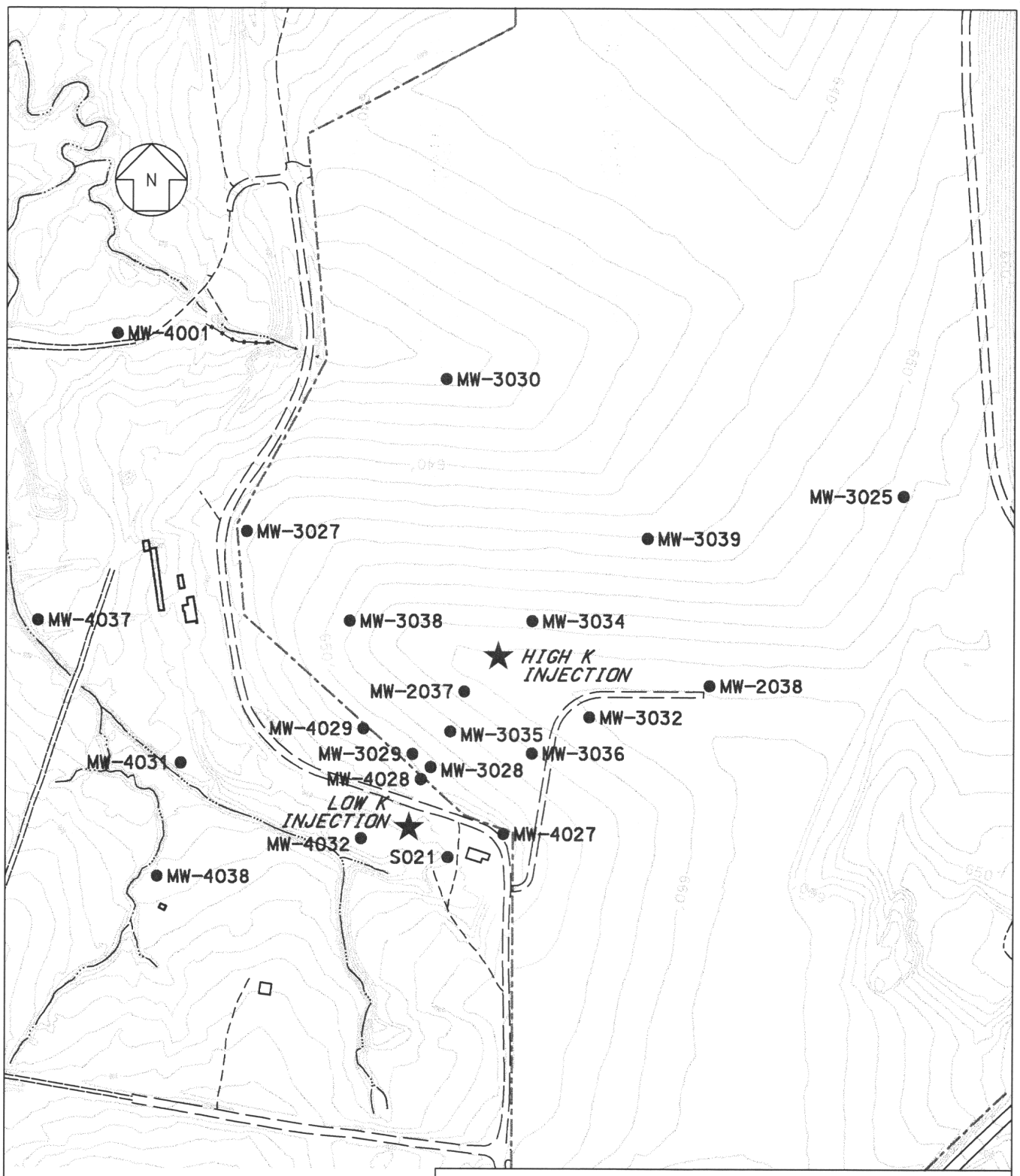
Well ID	Event	Volatile Organic Compounds (µg/l)			
		TCE	DCE	PCE	VC
MW-2037	Baseline	32	0.6	ND	ND
	Injection 1	31	(0.64)	ND	ND
	Injection 2	36	(0.74)	ND	ND
	30 days	53	(1.1)	ND	ND
	60 days	42	ND	ND	ND
MW-2038	Baseline	22	0.72	ND	ND
	Injection 1	21	ND	ND	ND
	Injection 2	NS	NS	NS	NS
	30 days	21	(0.69)	ND	ND
	60 days	22	(0.67)	ND	ND
MW-3025	Baseline	4.7	ND	ND	ND

Well ID	Event	Volatile Organic Compounds (µg/l)			
		TCE	DCE	PCE	VC
MW-3025 (cont'd)	Injection 1	3.9	(0.53)	ND	ND
	Injection 2	NS	NS	NS	NS
	30 days	3.5	ND	ND	ND
	60 days	4.0	ND	ND	ND
MW-3027	Baseline	0.68	ND	ND	ND
	Injection 1	NS	NS	NS	NS
	Injection 2	NS	NS	NS	NS
	30 days	(0.87)	ND	ND	ND
	60 days	(0.75)	ND	ND	ND
MW-3028	Baseline	170	3.4	ND	ND
	Injection 1	130	2.6	ND	ND
	Injection 2	180	3.7	ND	ND
	30 days	100	ND	ND	ND
	60 days	150	ND	ND	ND
MW-3029	Baseline	240	4.9	ND	ND
	Injection 1	200	4.1	ND	ND
	Injection 2	210	(4.8)	ND	ND
	30 days	230	(4.6)	ND	ND
	60 days	250	ND	ND	ND
MW-3030	Baseline	230	12	ND	ND
	Injection 1	180	12	ND	ND
	Injection 2	270	(15)	ND	ND
	30 days	280	(14)	ND	ND
	60 days	320	(14)	ND	ND
MW-3032	Baseline	ND	ND	ND	ND
	Injection 1	ND	ND	ND	ND
	Injection 2	ND	ND	ND	ND
	30 days	ND	ND	ND	ND
	60 days	ND	ND	ND	ND
MW-3034	Baseline	580	15	ND	ND
	Injection 1	ND	ND	ND	ND
	Injection 2	ND	ND	ND	ND
	30 days	ND	ND	ND	ND
	60 days	ND	ND	ND	ND
MW-3035	Baseline	63	1.1	ND	ND
	Injection 1	58	(1)	ND	ND
	Injection 2	61	(1.1)	ND	ND
	30 days	57	(1.1)	ND	ND
	60 days	69	(1.1)	ND	ND
MW-3036	Baseline	8.3	ND	ND	ND
	Injection 1	6.8	ND	ND	ND
	Injection 2	6.9	ND	ND	ND
	30 days	6.9	ND	ND	ND
	60 days	6.8	ND	ND	ND
MW-3038	Baseline	ND	ND	1.1	ND
	Injection 1	ND	ND	1.1	ND
	Injection 2	ND	ND	1.2	ND
	30 days	ND	ND	(0.99)	ND
	60 days	ND	ND	(0.87)	ND
MW-3039	Baseline	97	5.4	ND	ND
	Injection 1	NS	NS	NS	NS
	Injection 2	NS	NS	NS	NS
	30 days	110	6.8	1.7	ND
	60 days	140	(5.4)	ND	ND
MW-4001	Baseline	6.3	ND	ND	ND

Well ID	Event	Volatile Organic Compounds (µg/l)			
		TCE	DCE	PCE	VC
MW-4001 (cont'd)	Injection 1	6.1	ND	ND	ND
	Injection 2	NS	NS	NS	NS
	30 days	7.2	ND	ND	ND
	60 days	6.4	ND	ND	ND
MW-4027	Baseline	1.0	ND	3.0	ND
	Injection 1	1.2	ND	2.4	ND
	Injection 2	1.5	ND	2.7	ND
	30 days	(0.82)	ND	2.2	ND
	60 days	(0.78)	ND	2.1	ND
MW-4028	Baseline	210	ND	ND	ND
	Injection 1	170	(3.8)	ND	ND
	Injection 2	ND	ND	ND	ND
	30 days	ND	ND	ND	ND
	60 days	ND	ND	ND	ND
MW-4029	Baseline	470	ND	ND	ND
	Injection 1	460	(5.0)	ND	ND
	Injection 2	480	6.4	(0.73)	ND
	30 days	340	ND	ND	ND
	60 days	530	ND	ND	ND
MW-4031	Baseline	150	ND	ND	ND
	Injection 1	120	(1.6)	ND	ND
	Injection 2	150	ND	ND	ND
	30 days	160	ND	ND	ND
	60 days	180	ND	ND	ND
MW-4032	Baseline	73	(1.0)	ND	ND
	Injection 1	92	(1.1)	ND	ND
	Injection 2	62	ND	ND	ND
	30 days	15	ND	ND	ND
	60 days	71	ND	ND	ND
MW-4037	Baseline	5.3	ND	ND	ND
	Injection 1	NS	NS	NS	NS
	Injection 2	NS	NS	NS	NS
	30 days	23	ND	ND	ND
	60 days	39	ND	ND	ND
MW-4038	Baseline	26	ND	(0.44)	ND
	Injection 1	NS	NS	NS	NS
	Injection 2	NS	NS	NS	NS
	30 days	24	ND	(0.42)	ND
	60 days	25	ND	(0.38)	ND
MW-S021	Baseline	75	1.3	ND	ND
	Injection 1	79	(1.1)	ND	ND
	Injection 2	21	ND	ND	ND
	30 days	73	(1.2)	ND	ND
	60 days	75	(1.1)	ND	ND
ICO-1	Baseline	230	10	ND	ND
	Injection 1	350	(9.2)	ND	ND
	Injection 2 [(a)]	23	ND	ND	ND
	30 days [(a)]	100	(1.6)	ND	ND
	60 days	180	(5.1)	ND	ND
ICO-2	Baseline [(a)]	230	10	ND	ND
	Injection 1	ND	ND	ND	ND
	Injection 2 [(a)]	ND	ND	ND	ND
	30 days [(a)]	ND	ND	ND	ND
	60 days	ND	ND	ND	ND
ICO-3	Baseline [(a)]	140	4.9	ND	ND

Well ID	Event	Volatile Organic Compounds (µg/l)			
		TCE	DCE	PCE	VC
ICO-3 (cont'd)	Injection 1	193	5.5	ND	ND
	Injection 2 [a]	200	(6.6)	ND	ND
	30 days [a]	210	(6.4)	ND	ND
	60 days	210	(6.4)	ND	ND
ICO-4	Baseline [a]	110	ND	ND	ND
	Injection 1	119	(1.6)	ND	ND
	Injection 2 [a]	1.5	ND	ND	ND
	30 days [a]	93	(1.5)	2.3	ND
	60 days	110	ND	ND	ND
ICO-5	Baseline [a]	170	(2.9)	ND	ND
	Injection 1	240	(3.1)	ND	ND
	Injection 2 [a]	27	ND	ND	ND
	30 days [a]	140	ND	ND	ND
	60 days	99	ND	ND	ND
ICO-6	Baseline [a]	380	(7.9)	ND	ND
	Injection 1	455	(7.1)	ND	ND
	Injection 2 [a]	400	(9.3)	ND	ND
	30 days [a]	490	ND	ND	ND
	60 days	440	(8.1)	ND	ND
SP-5304	Baseline	ND	ND	ND	ND
	Injection 1	NS	NS	NS	NS
	Injection 2	ND	ND	ND	ND
	30 days	ND	ND	ND	ND
	60 days	ND	ND	ND	ND
SP-6301	Baseline	ND	ND	ND	ND
	Injection 1	NS	NS	NS	NS
	Injection 2	ND	ND	ND	ND
	30 days	ND	ND	ND	ND
	60 days	ND	ND	ND	ND
SP-6303	Baseline	ND	ND	ND	ND
	Injection 1	NS	NS	NS	NS
	Injection 2	ND	ND	ND	ND
	30 days	(0.55)	ND	ND	ND
	60 days	(0.35)	ND	ND	ND

ND – Not detected above reported detection limit
NS – Not sampled
(##) – Denotes estimated value less than the detection limit
a – Location not sampled by PMC. Data obtained from subcontractor (Ref. 1).



LEGEND

● - MONITORING WELL

★ - INJECTION WELL

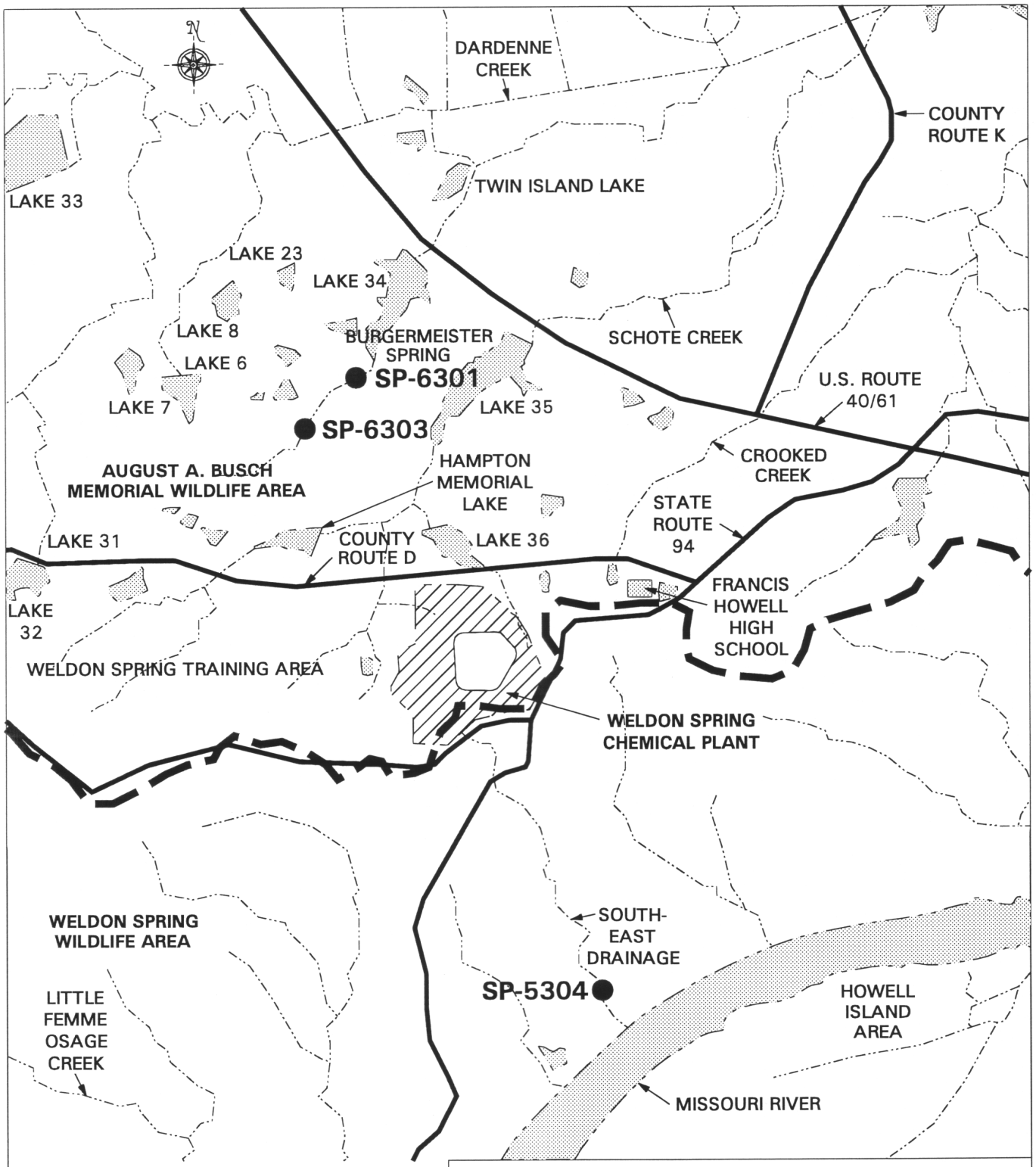
0 300 600

SCALE FEET

GROUNDWATER WELLS MONITORED DURING ICO PILOT-SCALE PROJECT

FIGURE 2-1

REPORT NO.: DOE/GJ/79491-939		EXHIBIT NO.: A/CP/002/0104	
ORIGINATOR: RC	DRAWN BY: GLN	DATE: 1/6/04	



LEGEND

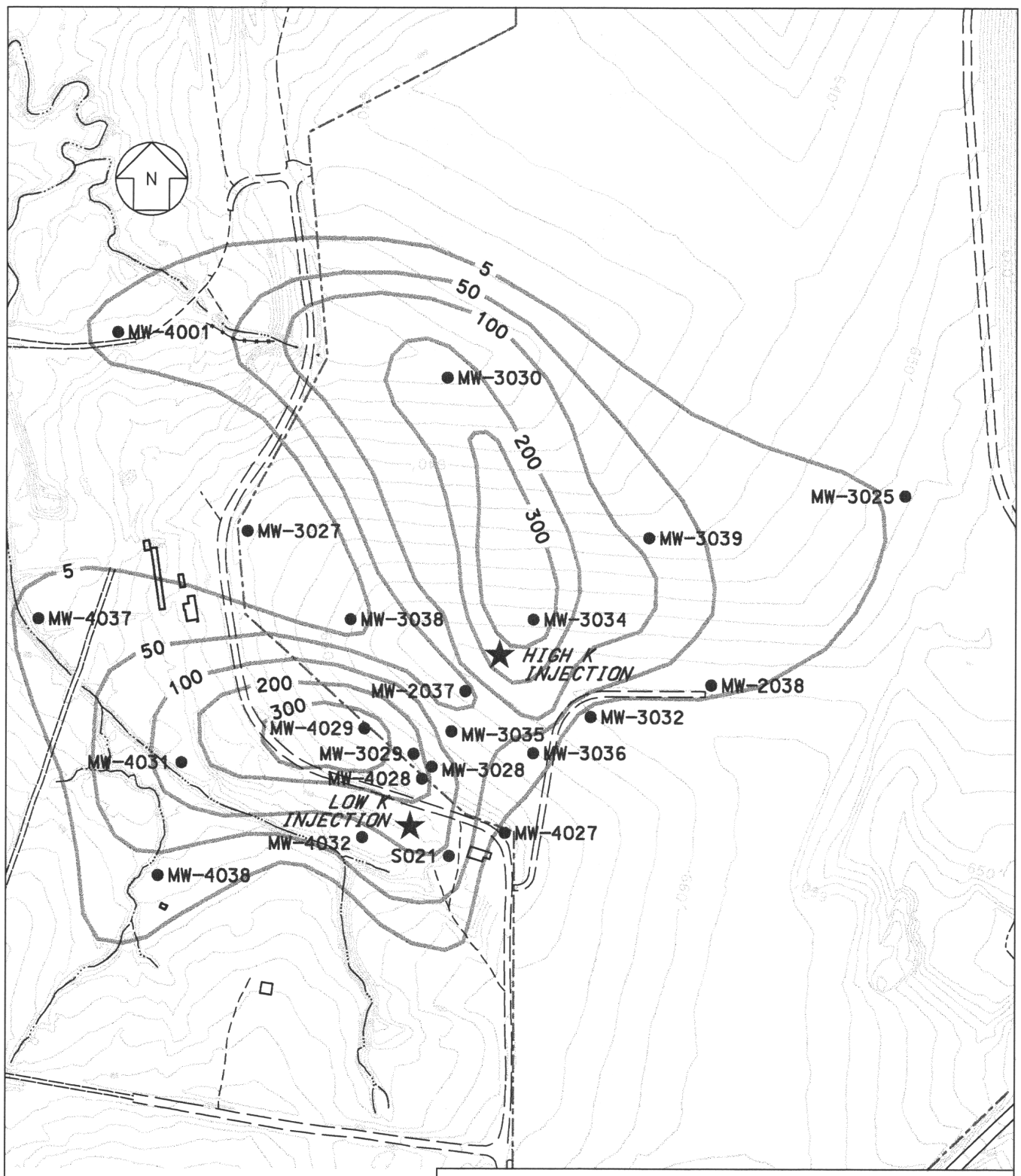
- SPRING
- GROUNDWATER DIVIDE
- SURFACE WATER CHANNEL

0 1 MI
0 1.6 KM
SCALE

SPRINGS MONITORED DURING ICO PILOT-SCALE PROJECT

FIGURE 2-2

REPORT NO.: DOE/GJ/79491-939		EXHIBIT NO.: A/VP/001/0102	
ORIGINATOR: RC	DRAWN BY: GLN	DATE: 1/6/04	



LEGEND

● - MONITORING WELL

★ - INJECTION WELL

0 300 600

SCALE FEET

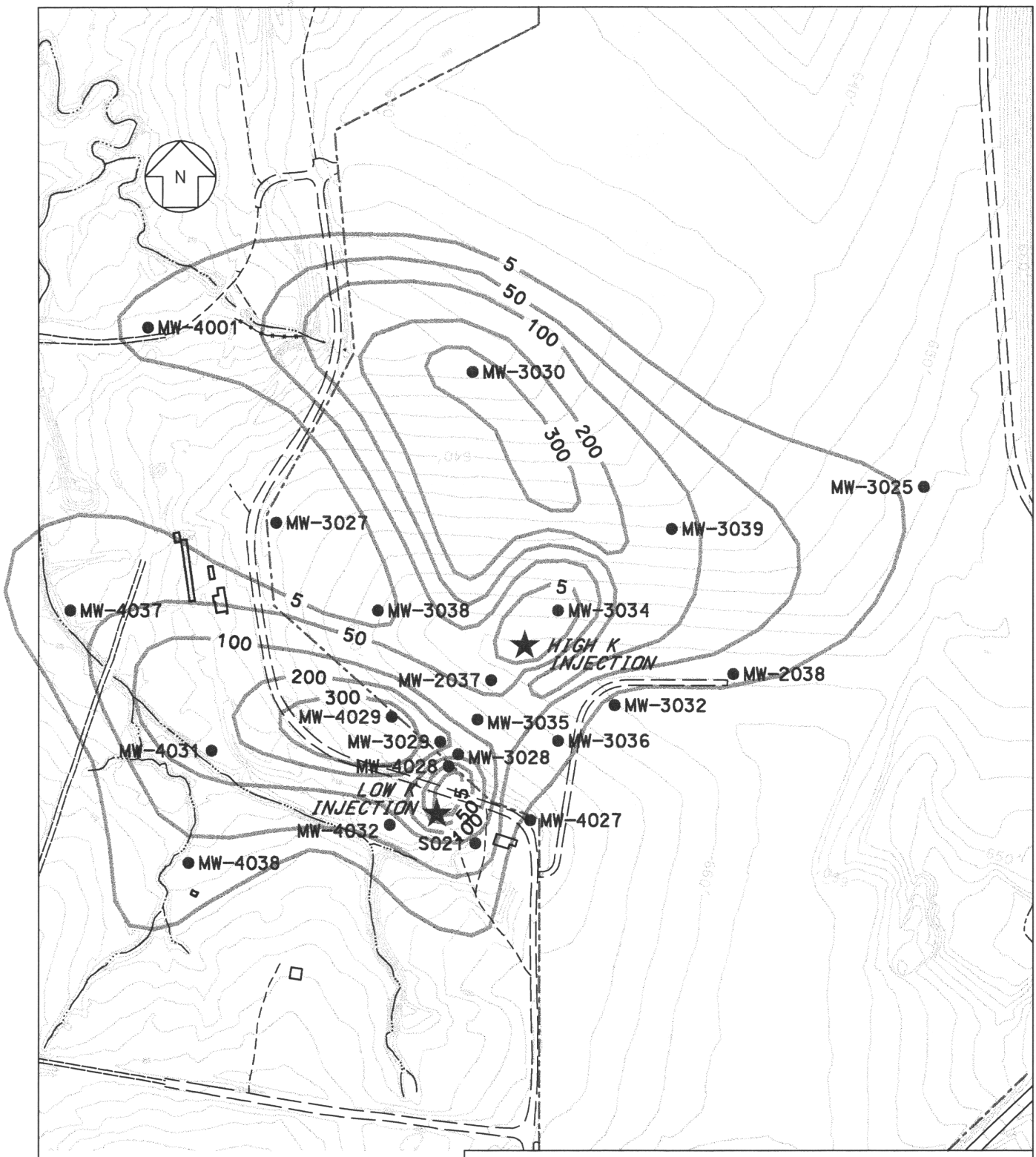
BASELINE TCE DISTRIBUTION

FIGURE 2-3

REPORT NO.: DOE/GJ/79491-939		EXHIBIT NO.: A/CP/034/1203	
ORIGINATOR: RC	DRAWN BY: GLN	DATE: 12/30/03	

TCE destruction was observed in ICO-2 and MW-3034 in the High K area ten days after the first injection (Table 2-1); however, no TCE destruction was observed in the Low K area. After the second injection, TCE destruction was observed in ICO-1, ICO-2, and MW-3034 in the High K area and in ICO-4, ICO-5, and MW-4028 in the low K area. The results of the first injection demonstrated that TCE could be oxidized to non-detectable concentrations by sodium permanganate. The key factor for successful TCE destruction was effective distribution of sodium permanganate in the aquifer. Where sodium permanganate was observed during or immediately after injection, the results indicated large reductions.

Sixty days after the second injection, sodium permanganate was detected in ICO-2 and MW-3034 in the High K area and MW-4028 in the Low K area. TCE destruction was still reported for these wells (Table 2-1). TCE concentrations increased to near baseline levels in those wells where permanganate had been present during previous sampling but was not observed during this sampling event. TCE concentrations increased in MW-4037 at the end of 60 days. The distribution of TCE after the two injections is presented in Figure 2-4. No changes in TCE concentrations were observed in the 3 springs sampled during this study.



LEGEND

● - MONITORING WELL

★ - INJECTION WELL

0 300 600

SCALE FEET

POST INJECTION TCE DISTRIBUTION

FIGURE 2-4

REPORT NO.: DOE/GJ/79491-939		EXHIBIT NO.: A/CP/035/1203	
ORIGINATOR: RC	DRAWN BY: GLN	DATE: 12/30/03	

2.2 Metals

Metals concentrations were monitored throughout the study due to possible impacts from impurities in the sodium permanganate (Ref. 1). A summary of baseline and post injection metals concentrations is presented in Table 2-2 and a complete record is contained in Appendix A.

Table 2-2 Metals Concentrations

Well ID	Event	Metals (µg/l)								
		As	Ba	Cd	Cr	Pb	Mn	Hg	Se	Ag
MW-2037	Baseline	ND	93.4	ND	ND	ND	ND	ND	ND	ND
	Inject 1	ND	91.2	ND	3.4	ND	ND	ND	ND	ND
	Inject 2	ND	81.6	ND	2.6	3.2	ND	ND	ND	1.3
	30-day	ND	95.7	ND	3.6	ND	ND	ND	ND	ND
	60-day	ND	103	ND	3.3	ND	1.3	ND	ND	ND
MW-2038	Baseline	ND	383	ND	ND	ND	0.56	ND	10.3	ND
	Inject 1	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Inject 2	NS	NS	NS	NS	NS	NS	NS	NS	NS
	30-day	2.6	337	ND	ND	ND	3.4	ND	12.7	ND
	60-day	ND	390	ND	0.01	1.0	2.6	ND	12.9	ND
MW-3025	Baseline	ND	270	ND	ND	ND	ND	ND	8.2	ND
	Inject 1	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Inject 2	NS	NS	NS	NS	NS	NS	NS	NS	NS
	30-day	ND	220	ND	ND	ND	ND	ND	9.6	ND
	60-day	ND	199	ND	1.4	3.7	ND	ND	9.0	ND
MW-3027	Baseline	ND	608	ND	ND	ND	ND	ND	ND	ND
	Inject 1	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Inject 2	NS	NS	NS	NS	NS	NS	NS	NS	NS
	30-day	ND	603	ND	ND	ND	ND	ND	ND	ND
	60-day	ND	587	ND	2.0	2.3	ND	ND	ND	4.5
MW-3028	Baseline	ND	75.5	ND	ND	ND	ND	0.55	ND	ND
	Inject 1	ND	66.8	ND	ND	ND	ND	3.4	ND	ND
	Inject 2	ND	71.3	ND	ND	ND	ND	3.0	ND	ND
	30-day	ND	77.7	ND	ND	ND	ND	0.19	ND	ND
	60-day	ND	86.4	ND	10.2	(3.5)	52.4	0.57	5.5	ND
MW-3029	Baseline	ND	67.8	ND	ND	ND	2.3	ND	ND	ND
	Inject 1	ND	76.4	ND	ND	ND	4.0	1.2	2.9	ND
	Inject 2	ND	68.6	ND	ND	ND	ND	1.2	4.1	ND
	30-day	ND	79.8	ND	ND	ND	2.1	1.1	5.2	ND
	60-day	ND	77.8	ND	ND	2.1	1.2	1.4	4.1	ND
MW-3030	Baseline	ND	95.6	ND	ND	ND	96.9	ND	2.2	ND
	Inject 1	ND	97.4	ND	ND	ND	82.1	ND	ND	ND
	Inject 2	ND	86.7	ND	ND	2.9	62.5	ND	2.3	ND
	30-day	ND	91.5	ND	ND	ND	54.4	ND	3.1	ND
	60-day	ND	96.5	ND	ND	ND	53.9	ND	4.1	ND
MW-3032	Baseline	ND	79.2	ND	ND	ND	1.8	ND	ND	ND
	Inject 1	ND	81.7	ND	25.1	ND	4.2	4.7	ND	ND
	Inject 2	ND	81.5	ND	ND	2.3	2.4	3.1	ND	1.3
	30-day	ND	80.2	ND	ND	ND	2.7	0.26	ND	ND
	60-day	ND	77.5	ND	ND	ND	2.9	ND	ND	ND
MW-3034	Baseline	ND	183	ND	ND	ND	73.1	ND	6.3	ND

Well ID	Event	Metals (µg/l)								
		As	Ba	Cd	Cr	Pb	Mn	Hg	Se	Ag
MW-3034 (cont'd)	Inject 1	ND	184	ND	39.4	ND	3480	2.3	7.6	1.2
	Inject 2	ND	168	ND	126	ND	23200	6.2	4.8	3.6
	30-day	ND	168	ND	136	ND	21500	6.7	4.2	3.6
	60-day	ND	152	ND	145	1.5	14200	10.3	5.7	2.8
MW-3035	Baseline	ND	55.9	ND	ND	ND	4.0	ND	ND	ND
	Inject 1	ND	59.6	ND	ND	ND	5.4	ND	ND	ND
	Inject 2	ND	59.4	ND	2.1	2.6	8.5	ND	ND	1.1
	30-day	ND	65.5	ND	3.4	2.5	5.4	ND	3.3	25.6
	60-day	ND	65.8	ND	2.4	1.4	4.2	ND	ND	ND
MW-3036	Baseline	ND	313	ND	ND	ND	7	ND	ND	ND
	Inject 1	ND	331	ND	1.6	ND	9.8	ND	ND	ND
	Inject 2	ND	306	ND	ND	ND	12.6	ND	4.0	ND
	30-day	ND	277	ND	ND	ND	10.2	ND	3.0	ND
	60-day	ND	288	0.75	1.3	ND	9.9	ND	3.2	ND
MW-3038	Baseline	ND	179	ND	ND	ND	ND	ND	ND	ND
	Inject 1	ND	189	ND	22.8	ND	ND	ND	ND	ND
	Inject 2	ND	180	ND	ND	ND	ND	ND	ND	1.7
	30-day	ND	179	ND	1.7	ND	ND	ND	ND	ND
	60-day	ND	185	ND	ND	ND	0.80	ND	ND	ND
MW-3039	Baseline	ND	138	ND	ND	ND	28.9	1.1	6.4	ND
	Inject 1	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Inject 2	NS	NS	NS	NS	NS	NS	NS	NS	NS
	30-day	ND	146	ND	ND	ND	25.4	1.7	9.3	ND
	60-day	ND	154	ND	0.01	1.4	20.0	0.76	9.4	ND
MW-4001	Baseline	ND	95.8	ND	ND	ND	ND	ND	ND	ND
	Inject 1	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Inject 2	NS	NS	NS	NS	NS	NS	NS	NS	NS
	30-day	ND	98.3	ND	ND	ND	ND	ND	ND	ND
	60-day	ND	95.0	ND	ND	2.9	ND	ND	ND	ND
MW-4027	Baseline	ND	435	ND	ND	ND	ND	ND	ND	ND
	Inject 1	ND	486	ND	ND	ND	ND	ND	ND	ND
	Inject 2	ND	437	ND	ND	ND	ND	ND	ND	ND
	30-day	ND	348	ND	2.1	ND	1.4	ND	ND	ND
	60-day	ND	366	ND	1.1	ND	0.81	ND	2.5	ND
MW-4028	Baseline	ND	92.9	ND	ND	ND	ND	0.15	3.1	ND
	Inject 1	ND	99.7	ND	1.6	3.0	ND	0.2	2.4	1.5
	Inject 2	ND	90.5	ND	38.2	ND	8580	2.6	4.7	1.4
	30-day	ND	81.4	ND	94.3	ND	44500	6.8	ND	7.3
	60-day	ND	80.0	ND	135	1.9	56800	10.0	ND	9.8
MW-4029	Baseline	ND	150	ND	ND	ND	15.1	2.2	6.9	ND
	Inject 1	ND	158	ND	ND	ND	15.5	1.5	5.5	ND
	Inject 2	ND	129	ND	ND	ND	13.2	1.1	7.0	ND
	30-day	ND	140	ND	ND	ND	14.3	1.8	6.9	ND
	60-day	ND	142	ND	ND	1.0	23.9	2.1	6.7	ND
MW-4031	Baseline	ND	246	ND	ND	1.3	0.42	ND	2.8	ND
	Inject 1	ND	206	ND	ND	ND	1.9	ND	3.2	ND
	Inject 2	ND	223	ND	ND	ND	2.0	ND	5.7	ND
	30-day	ND	214	ND	ND	3.9	1.6	ND	4.5	1.5
	60-day	ND	201	ND	ND	ND	5.4	ND	3.6	ND
MW-4032	Baseline	ND	134	ND	ND	ND	ND	ND	2.0	ND
	Inject 1	ND	149	ND	2.2	ND	ND	ND	ND	ND
	Inject 2	ND	142	ND	4.8	ND	3.0	0.3	4.7	ND
	30-day	ND	144	ND	1.3	ND	9.6	ND	3.2	ND
	60-day	ND	148	ND	ND	ND	2.3	ND	4.8	ND
MW-4037	Baseline	ND	83.6	ND	ND	1.3	7.5	ND	ND	ND

Well ID	Event	Metals (µg/l)								
		As	Ba	Cd	Cr	Pb	Mn	Hg	Se	Ag
MW-4037 (cont'd)	Inject 1	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Inject 2	NS	NS	NS	NS	NS	NS	NS	NS	NS
	30-day	ND	156	ND	ND	ND	2.7	ND	ND	ND
	60-day	ND	178	ND	ND	(3.4)	1.6	ND	ND	ND
MW-4038	Baseline	ND	267	ND	ND	ND	29.9	ND	ND	ND
	Inject 1	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Inject 2	NS	NS	NS	NS	NS	NS	NS	NS	NS
	30-day	ND	269	ND	ND	2.4	24.1	ND	3.8	ND
	60-day	ND	240	ND	ND	(3.5)	22.3	ND	3.1	ND
MW-S021	Baseline	ND	249	ND	ND	ND	9.0	ND	6.8	ND
	Inject 1	ND	250	ND	ND	ND	8.6	ND	8.4	ND
	Inject 2	ND	249	ND	ND	ND	8.2	ND	6.8	ND
	30-day	ND	242	ND	1.5	ND	13.9	ND	9.9	ND
	60-day	ND	223	ND	1.3	ND	9.0	ND	8.3	ND
ICO-1	Baseline[a]	ND	(116)	ND	(1.5)	ND	(5.7)	1.1	(4.7)	ND
	Inject 1[a]	ND	(107)	ND	(3.9)	ND	(6.3)	0.8	(2.2)	ND
	Inject 2[a]	ND	(107)	ND	27.8	ND	931	1.9	(2.3)	ND
	30-day [a]	ND	(101)	ND	28.8	ND	720	1.9	(4.5)	ND
	60-day	ND	119	ND	9.4	1.9	34.0	0.66	2.9	ND
ICO-2	Baseline[a]	ND	(150)	ND	ND	ND	(7.2)	1.7	5.1	ND
	Inject 1[a]	ND	231	ND	50.9	ND	43400	4.9	ND	(3.7)
	Inject 2[a]	ND	216	ND	102	ND	76200	7.8	ND	(9.8)
	30-day [a]	ND	223	ND	118	ND	39700	6.9	ND	(7.6)
	60-day	ND	207	ND	87.2	1.8	6030	4.6	5.9	1.4
ICO-3	Baseline[a]	ND	575	ND	(1.8)	ND	43.4	ND	(3.8)	ND
	Inject 1[a]	ND	508	ND	ND	ND	20.4	1.5	8.7	ND
	Inject 2[a]	ND	594	ND	ND	ND	(13.0)	1.4	(3.7)	ND
	30-day [a]	ND	555	ND	ND	ND	23.3	1.1	5.6	ND
	60-day	ND	320	ND	ND	2.3	7.6	0.85	5.7	ND
ICO-4	Baseline[a]	ND	(185)	ND	ND	ND	(0.62)	ND	(2.6)	ND
	Inject 1[a]	ND	(182)	ND	ND	ND	ND	ND	(2.5)	ND
	Inject 2[a]	ND	304	ND	11.6	ND	1050	0.51	(3.2)	ND
	30-day [a]	ND	286	ND	(6.3)	ND	(6.9)	(0.16)	(4.9)	ND
	60-day	20.7	663	3.7	23.8	36.6	2370	0.45	ND	ND
ICO-5	Baseline[a]	ND	(115)	ND	(1.1)	ND	ND	ND	(2.5)	ND
	Inject 1[a]	ND	(108)	ND	ND	ND	ND	ND	(2.2)	ND
	Inject 2[a]	ND	(109)	ND	13.2	ND	520	1.3	(4.2)	ND
	30-day [a]	ND	(107)	ND	(8.8)	ND	(4.6)	0.41	6.1	ND
	60-day	ND	88.0	ND	11.3	3.3	3.1	0.12	3.4	ND
ICO-6	Baseline[a]	ND	(104)	ND	(1.0)	ND	(14.8)	(0.18)	5.4	ND
	Inject 1[a]	ND	(96.1)	ND	ND	ND	(8.0)	0.30	6.2	ND
	Inject 2[a]	ND	(97.6)	ND	(4.6)	ND	15.4	0.64	5.9	ND
	30-day [a]	ND	(101)	ND	ND	ND	(7.3)	0.56	7.2	ND
	60-day	ND	112	ND	ND	2.0	17.1	0.22	6.3	ND
SP-5304	Baseline	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Inject 1	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Inject 2	ND	76.9	ND	ND	ND	ND	ND	ND	ND
	30-day	ND	66.2	ND	ND	ND	ND	ND	ND	ND
	60-day	ND	87.5	ND	ND	(5.1)	29.2	ND	ND	ND
SP-6301	Baseline[b]	ND	144	ND	ND	ND	NA	ND	ND	ND
	Inject 1	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Inject 2	ND	83.5	ND	ND	ND	ND	ND	ND	ND
	30-day	ND	114	ND	ND	ND	ND	ND	ND	ND
	60-day	ND	101	1.1	3.1	(2.5)	2.3	ND	ND	ND
SP-6303	Baseline	NA	NA	NA	NA	NA	NA	NA	NA	NA

Well ID	Event	Metals (µg/l)								
		As	Ba	Cd	Cr	Pb	Mn	Hg	Se	Ag
SP-6303 (cont'd)	Inject 1	NS	NS	NS	NS	NS	NS	NS	NS	NS
	Inject 2	ND	84.7	ND	ND	ND	30.0	ND	ND	ND
	30-day	ND	107	ND	ND	ND	23.9	ND	ND	ND
	60-day	ND	117	ND	ND	(3.4)	16.0	ND	ND	ND

ND – Not detected above reported detection limit
NS – Not sampled
NA – Not analyzed
(##) – Denotes estimated value less than the detection limit
a – Location not sampled by PMC. Data obtained from subcontractor (Ref. 1).
b – Data from December 2000.

Increases in concentrations of chromium, which is present in commercially supplied sodium permanganate, were also directly proportional to increases in permanganate concentrations. Increases in chromium concentrations were measured in MW-2037, MW-3028, MW-3034, MW-3038, MW-4028, MW-4032, ICO-1, ICO-2, ICO-4, and ICO-5. The highest chromium concentrations were exhibited at the locations where TCE reduction occurred. The maximum contaminant level (MCL) for chromium (100 µg/l) was exceeded in MW-3034, MW-4028, and ICO-2. It is likely that impacts to the springs did not occur; however, baseline samples were not analyzed for metals. Burgermeister spring was analyzed for metals during December 2000 and these data were used for comparison. Slight detects of chromium and lead were seen during the pilot phase ICO project; however, similar levels were reported in the historical dataset. Manganese levels in SP-6301 and SP-6303 were also similar to historical data.

Increases in manganese concentrations were measured in MW-3028, MW-3034, MW-3035, MW-3036, MW-4028, MW-4029, MW-4031, MW-432, ICO-1, ICO-2, ICO-3, and ICO-5. The highest manganese concentrations were exhibited at the locations where TCE reduction occurred. Manganese concentrations in SP-6303 were elevated above baseline concentrations.

Mercury and silver concentrations increased above baseline at MW-3034, MW-4028, and ICO-2. These are the locations where TCE was reduced below the detection limit of 1 µg/l. The MCL for mercury (2 µg/l) was exceeded in MW-3028, MW-3032, MW-3034, MW-4028, and ICO-2. No changes in mercury or silver concentrations were observed in the three springs.

2.3 Nitrate (as N) and Uranium

Nitrate (as N) and uranium was monitored throughout the study period to determine potential impacts of the in situ chemical oxidation process on the other contaminants of concern in the groundwater. A summary of baseline and post-injection

nitrate (as N) and uranium concentrations is presented in Table 2-3 and a complete record is contained in Appendix A.

Table 2-3 Nitrate (as N) Concentration and Uranium Activity

Well ID	Event	Nitrate (as N) (mg/l)	Uranium (pCi/l)
MW-2037	Baseline	16.4	(0.16)
	Injection 1	19.9	(0.07)
	Injection 2	17.5	(0.15)
	30 day	22.4	ND
	60 day	21.3	(0.04)
MW-2038	Baseline	768	1.75
	Injection 1	NS	NS
	Injection 2	NS	NS
	30 day	778	1.65
	60 day	815	1.28
MW-3025	Baseline	327	2.03
	Injection 1	307	NS
	Injection 2	NS	NS
	30 day	304	2.37
	60 day	502	2.29
MW-3027	Baseline	36.1	0.82
	Injection 1	NS	NS
	Injection 2	NS	NS
	30 day	46.2	ND
	60 day	42.0	(0.40)
MW-3028	Baseline	144	(0.60)
	Injection 1	147	(0.57)
	Injection 2	161	(0.63)
	30 day	193	ND
	60 day	224	(0.76)
MW-3029	Baseline	207	(0.56)
	Injection 1	284	(0.61)
	Injection 2	235	(0.57)
	30 day	277	ND
	60 day	235	(0.13)
MW-3030	Baseline	228	54.9
	Injection 1	255	54.2
	Injection 2	210	54.4
	30 day	294	54.2
	60 day	373	54.8
MW-3032	Baseline	1.1	(0.10)
	Injection 1	1.6	(0.04)
	Injection 2	1.6	(0.07)
	30 day	2.5	ND
	60 day	1.8	ND
MW-3034	Baseline	605	2.07
	Injection 1	510	1.66
	Injection 2	531	(0.67)
	30 day	657	1.59
	60 day	495	1.31
MW-3035	Baseline	45.3	(0.61)
	Injection 1	60.5	(0.53)
	Injection 2	67.1	(0.60)
	30 day	66.2	ND
	60 day	62.9	(0.19)

Well ID	Event	Nitrate (as N) (mg/l)	Uranium (pCi/l)
MW-3036	Baseline	84.8	1.04
	Injection 1	79.6	1.12
	Injection 2	68.4	1.15
	30 day	89.1	ND
	60 day	83.2	0.70
MW-3038	Baseline	8.2	1.76
	Injection 1	9.4	1.55
	Injection 2	7.2	1.42
	30 day	7.4	ND
	60 day	87.7	1.2
MW-3039	Baseline	572	1.07
	Injection 1	NS	NS
	Injection 2	NS	NS
	30 day	608	ND
	60 day	670	1.00
MW-4001	Baseline	54.9	(0.27)
	Injection 1	64.8	NS
	Injection 2	NS	NS
	30 day	70.0	ND
	60 day	62.2	1.08
MW-4027	Baseline	19.1	0.69
	Injection 1	28.9	(0.82)
	Injection 2	102	(0.83)
	30 day	19.9	ND
	60 day	19.1	(0.22)
MW-4028	Baseline	166	0.69
	Injection 1	210	(0.66)
	Injection 2	212	1.06
	30 day	198	ND
	60 day	165	(0.16)
MW-4029	Baseline	531	(0.64)
	Injection 1	574	(0.67)
	Injection 2	420	(0.61)
	30 day	538	ND
	60 day	926	(0.24)
MW-4031	Baseline	341	(0.56)
	Injection 1	231	(0.51)
	Injection 2	230	(0.53)
	30 day	265	ND
	60 day	323	(0.09)
MW-4032	Baseline	167	(0.66)
	Injection 1	174	(0.92)
	Injection 2	169	(0.70)
	30 day	203	ND
	60 day	253	(0.19)
MW-4037	Baseline	11	12.2
	Injection 1	NS	NS
	Injection 2	NS	NS
	30 day	76.9	8.94
	60 day	170	7.51
MW-4038	Baseline	113	1.97
	Injection 1	NS	NS
	Injection 2	NS	NS
	30 day	120	2.31
	60 day	198	2.48

Well ID	Event	Nitrate (as N) (mg/l)	Uranium (pCi/l)
MW-S021	Baseline	133	0.97
	Injection 1	148	(0.45)
	Injection 2	125	(0.96)
	30 day	179	ND
	60 day	171	2.19
ICO-1 [a]	Baseline [a]	219	2.79
	Injection 1	214	1.15
	Injection 2	221	1.10
	30 day [a]	206	1.12
	60 day	140	1.39
ICO-2 [a]	Baseline [a]	317	4.16
	Injection 1	332	1.47
	Injection 2	292	1.00
	30 day [a]	456	1.11
	60 day	353	3.26
ICO-3 [a]	Baseline [a]	365	0.78
	Injection 1	437	1.16
	Injection 2	384	1.08
	30 day [a]	304	1.27
	60 day	641	2.42
ICO-4 [a]	Baseline [a]	118	(0.65)
	Injection 1	130	0.73
	Injection 2	174	0.84
	30 day [a]	173	0.80
	60 day	223	2.16
ICO-5 [a]	Baseline [a]	199	(0.63)
	Injection 1	221	(0.66)
	Injection 2	229	0.83
	30 day [a]	225	0.78
	60 day	218	1.09
ICO-6 [a]	Baseline [a]	347	1.1
	Injection 1	372	0.98
	Injection 2	388	1.06
	30 day [a]	420	1.13
	60 day	710	1.41
SP-5304	Baseline	0.27	49.2
	Injection 1	NS	NS
	Injection 2	0.32	34.5
	30 day	0.75	9.5
	60 day	1.9	56.3
SP-6301	Baseline	2.2	17.0
	Injection 1	NS	NS
	Injection 2	1.1	11.8
	30 day	5.3	22.2
	60 day	4.2	14.3
SP-6303	Baseline	1.4	(0.51)
	Injection 1	NS	NS
	Injection 2	1.1	(0.63)
	30 day	5.9	1.67
	60 day	13.6	1.93

(##) – Denotes estimated value less than the detection limit
NS – Not sampled
a – Location not sampled by PMC. Data obtained from subcontractor (Ref. 1).

Monitoring wells MW-3038, MW-4029, MW-4037, ICO-3, ICO-6 exhibited increases in nitrate concentrations during the pilot scale study. The increases did not occur in wells where permanganate was present or where other parameters that would indicate impact from the permanganate were elevated. The impacted wells were primarily downgradient locations from the area where TCE reduction occurred. Nitrate concentrations also increased in SP-6303 as compared to baseline. The changes in nitrate observed during the monitoring period were not significant.

Measurements of uranium activity throughout the study did not indicate any affect from the in situ chemical oxidation process. Uranium activity also remained unchanged in the three springs monitored during the study.

2.4 Nitroaromatic Compounds

Nitroaromatic compounds (1,3,5-trinitrobenzene; 1,3-dinitrobenzene; 2,4,6-trinitrotuluene; 2,4-dinitrotoluene; 2,6-dinitrotoluene; and nitrobenzene) were monitored throughout the study period to determine potential impacts of the in situ chemical oxidation process. Nitroaromatic compound destruction has been documented in literature. A summary of baseline and post-injection nitroaromatic compound concentrations is presented in Table 2-4 and a complete record is contained in Appendix A.

Table 2-4 Nitroaromatic Compound Concentrations

Well ID	Event	Nitroaromatic Compounds (µg/l)					
		1,3,5-TNB	1,3-DNB	2,4,6-TNT	2,4-DNT	2,6-DNT	NB
MW-2037	Baseline	ND	ND	ND	ND	ND	ND
	Injection 1	ND	ND	ND	ND	ND	ND
	Injection 2	ND	ND	ND	ND	ND	ND
	30-day	ND	ND	ND	0.11	ND	ND
	60-day	ND	ND	ND	ND	ND	ND
MW-2038	Baseline	0.05	ND	ND	0.20	ND	ND
	Injection 1	0.066	ND	ND	0.27	ND	ND
	Injection 2	NS	NS	NS	NS	NS	NS
	30-day	ND	ND	ND	0.32	ND	ND
	60-day	ND	ND	ND	ND	ND	ND
MW-3025	Baseline	ND	ND	ND	ND	ND	ND
	Injection 1	ND	ND	ND	ND	ND	ND
	Injection 2	NS	NS	NS	NS	NS	NS
	30-day	ND	ND	ND	ND	ND	ND
	60-day	ND	ND	ND	ND	ND	ND
MW-3027	Baseline	0.13	ND	ND	ND	ND	ND
	Injection 1	NS	NS	NS	NS	NS	NS
	Injection 2	NS	NS	NS	NS	NS	NS
	30-day	0.12	ND	ND	ND	ND	ND
	60-day	ND	ND	ND	ND	ND	ND
MW-3028	Baseline	0.20	ND	ND	0.12	ND	ND
	Injection 1	0.22	ND	ND	0.14	ND	ND
	Injection 2	0.22	ND	ND	0.085	ND	ND
	30-day	0.12	0.13	ND	0.067	ND	ND
	60-day	0.32	(0.089)	ND	ND	ND	ND

Well ID	Event	Nitroaromatic Compounds (µg/l)					
		1,3,5-TNB	1,3-DNB	2,4,6-TNT	2,4-DNT	2,6-DNT	NB
MW-3029	Baseline	0.29	ND	ND	0.08	ND	ND
	Injection 1	0.36	ND	ND	0.095	ND	ND
	Injection 2	0.26	ND	ND	ND	ND	ND
	30-day	0.26	ND	ND	0.088	ND	ND
	60-day	0.23	ND	ND	ND	ND	ND
MW-3030	Baseline	ND	ND	ND	1.2	0.49	ND
	Injection 1	ND	ND	ND	0.99	0.34	ND
	Injection 2	ND	ND	ND	1.1	0.36	ND
	30-day	ND	ND	ND	1.1	0.45	ND
	60-day	ND	ND	ND	0.98	ND	ND
MW-3032	Baseline	ND	ND	ND	ND	ND	ND
	Injection 1	ND	ND	ND	ND	ND	ND
	Injection 2	ND	ND	ND	ND	ND	ND
	30-day	ND	ND	ND	ND	ND	ND
	60-day	ND	ND	ND	ND	ND	ND
MW-3034	Baseline	0.10	0.09	ND	0.38	0.30	ND
	Injection 1	0.12	ND	ND	0.23	0.20	ND
	Injection 2	ND	ND	ND	0.25	0.30	ND
	30-day	ND	ND	ND	0.29	ND	ND
	60-day	ND	ND	ND	ND	ND	ND
MW-3035	Baseline	ND	ND	ND	ND	ND	ND
	Injection 1	ND	ND	ND	ND	ND	ND
	Injection 2	ND	ND	ND	ND	ND	ND
	30-day	ND	ND	ND	0.10	ND	ND
	60-day	ND	ND	ND	ND	ND	ND
MW-3036	Baseline	0.14	ND	ND	0.14	ND	ND
	Injection 1	0.14	ND	ND	0.17	ND	ND
	Injection 2	0.16	ND	ND	0.12	ND	ND
	30-day	0.098	ND	ND	0.17	ND	ND
	60-day	ND	ND	ND	ND	ND	ND
MW-3038	Baseline	ND	ND	ND	ND	ND	ND
	Injection 1	0.060	ND	ND	ND	ND	ND
	Injection 2	0.18	ND	ND	ND	ND	ND
	30-day	0.13	ND	ND	ND	ND	ND
	60-day	ND	ND	ND	ND	ND	ND
MW-3039	Baseline	0.25	ND	ND	1.2	0.11	ND
	Injection 1	NS	NS	NS	NS	NS	NS
	Injection 2	NS	NS	NS	NS	NS	NS
	30-day	0.29	ND	ND	1.3	0.17	ND
	60-day	0.16	ND	ND	1.1	ND	ND
MW-4001	Baseline	38	ND	2.3	0.15	1.8	ND
	Injection 1	47	ND	2.7	0.22	2.0	ND
	Injection 2	NS	NS	NS	NS	NS	NS
	30-day	28	ND	1.8	ND	1.3	ND
	60-day	41	0.36	ND	ND	ND	ND
MW-4027	Baseline	0.07	ND	ND	0.06	ND	ND
	Injection 1	ND	ND	ND	ND	ND	ND
	Injection 2	0.079	ND	ND	ND	ND	ND
	30-day	ND	ND	ND	ND	ND	ND
	60-day	ND	ND	ND	ND	ND	ND
MW-4028	Baseline	0.53	0.07	ND	0.12	0.13	ND
	Injection 1	0.56	0.095	ND	0.14	0.15	ND
	Injection 2	0.11	ND	ND	0.098	0.22	ND
	30-day	ND	ND	ND	0.20	ND	ND
	60-day	ND	ND	ND	ND	ND	ND

Well ID	Event	Nitroaromatic Compounds (µg/l)					
		1,3,5-TNB	1,3-DNB	2,4,6-TNT	2,4-DNT	2,6-DNT	NB
MW-4029	Baseline	0.98	0.13	ND	0.10	0.37	ND
	Injection 1	0.80	0.13	ND	0.13	0.42	ND
	Injection 2	0.89	ND	ND	0.12	0.45	ND
	30-day	0.76	ND	ND	0.084	0.31	ND
	60-day	0.91	0.10	ND	0.12	ND	ND
MW-4031	Baseline	3.7	ND	1.0	0.08	0.25	ND
	Injection 1	3.5	ND	0.95	0.077	0.23	ND
	Injection 2	2.9	ND	0.78	ND	0.20	ND
	30-day	3.3	ND	0.77	ND	0.27	ND
	60-day	3.1	ND	0.70	0.065	ND	ND
MW-4032	Baseline	1.2	0.06	ND	ND	0.18	ND
	Injection 1	1.2	0.10	ND	0.11	0.19	ND
	Injection 2	0.57	ND	ND	ND	ND	ND
	30-day	1.0	0.097	ND	0.15	0.19	ND
	60-day	1.4	(0.077)	ND	ND	ND	ND
MW-4037	Baseline	0.14	ND	1.2	ND	ND	ND
	Injection 1	NS	NS	NS	NS	NS	NS
	Injection 2	NS	NS	NS	NS	NS	NS
	30-day	0.76	ND	4.5	ND	0.27	ND
	60-day	3.9	ND	ND	ND	0.40	ND
MW-4038	Baseline	0.14	ND	ND	ND	ND	ND
	Injection 1	NS	NS	NS	NS	NS	NS
	Injection 2	NS	NS	NS	NS	NS	NS
	30-day	0.076	ND	ND	ND	ND	ND
	60-day	0.16	(0.52)	ND	ND	ND	ND
MW-S021	Baseline	0.09	ND	ND	0.13	ND	ND
	Injection 1	0.12	ND	ND	0.18	ND	ND
	Injection 2	0.10	ND	ND	0.11	ND	ND
	30-day	ND	ND	ND	0.26	ND	ND
	60-day	ND	ND	ND	ND	ND	ND
ICO-1 [a]	Baseline	NS	NS	NS	NS	NS	NS
	Injection 1	NS	NS	NS	NS	NS	NS
	Injection 2	NS	NS	NS	NS	NS	NS
	30-day	NS	NS	NS	NS	NS	NS
	60-day	0.16	ND	ND	ND	ND	ND
ICO-2 [a]	Baseline	NS	NS	NS	NS	NS	NS
	Injection 1	NS	NS	NS	NS	NS	NS
	Injection 2	NS	NS	NS	NS	NS	NS
	30-day	NS	NS	NS	NS	NS	NS
	60-day	ND	(0.080)	ND	0.14	0.24	ND
ICO-3 [a]	Baseline	NS	NS	NS	NS	NS	NS
	Injection 1	NS	NS	NS	NS	NS	NS
	Injection 2	NS	NS	NS	NS	NS	NS
	30-day	NS	NS	NS	NS	NS	NS
	60-day	0.14	0.10	ND	ND	ND	ND
ICO-4	Baseline	0.27	0.05	ND	0.13	ND	ND
	Injection 1	0.27	ND	ND	0.13	ND	ND
	Injection 2	NS	NS	NS	NS	NS	NS
	30-day	0.26	ND	ND	0.24	ND	ND
	60-day	0.34	(0.078)	ND	(0.060)	ND	ND
ICO-5	Baseline	0.57	0.07	ND	0.21	0.17	0.25
	Injection 1	0.52	0.12	ND	0.092	0.16	ND
	Injection 2	NS	NS	NS	NS	NS	NS
	30-day	0.58	0.14	ND	0.29	ND	ND
	60-day	ND	ND	ND	ND	ND	ND

Well ID	Event	Nitroaromatic Compounds (µg/l)					
		1,3,5-TNB	1,3-DNB	2,4,6-TNT	2,4-DNT	2,6-DNT	NB
ICO-6	Baseline	0.15	0.08	ND	0.18	0.13	0.19
	Injection 1	0.20	0.18	ND	0.14	0.16	ND
	Injection 2	NS	NS	NS	NS	NS	NS
	30-day	0.20	0.18	ND	0.14	0.16	ND
	60-day	0.19	0.13	ND	ND	ND	ND
SP-5304	Baseline	ND	ND	0.11	ND	ND	ND
	Injection 1	NS	NS	NS	NS	NS	NS
	Injection 2	ND	ND	ND	ND	ND	ND
	30-day	ND	ND	ND	ND	ND	ND
	60-day	ND	ND	ND	ND	ND	ND
SP-6301	Baseline	ND	ND	ND	ND	ND	ND
	Injection 1	NS	NS	NS	NS	NS	NS
	Injection 2	ND	ND	ND	ND	ND	ND
	30-day	ND	ND	ND	ND	ND	ND
	60-day	ND	ND	ND	0.068	ND	ND
SP-6303	Baseline	ND	ND	0.17	ND	0.23	ND
	Injection 1	NS	NS	NS	NS	NS	NS
	Injection 2	ND	ND	0.27	ND	ND	ND
	30-day	0.064	ND	0.16	ND	0.13	ND
	60-day	ND	ND	0.17	ND	ND	ND

ND – Not detected
NS – Not sampled
a – Location not sampled by PMC. Data obtained from subcontractor (Ref. 1).

Results from monitoring indicate that the insitu chemical oxidation process had some impact on nitroaromatic compounds. Concentrations of 1,3,5-TNB were reduced below the detection limit in MW-3034, MW-3036, MW-4028, MW-S021, and ICO-5. It is unknown the impacts on 2,4,6-TNT because this compound was not sufficiently present in the study area. Dinitrotoluenes were reduced below the detection limit in MW-3034, MW-4028, MW-S021, and ICO-5. Other nitroaromatic compounds (1,3-DNB and nitrobenzene) were also reduced below detection limits in MW-3034, MW-4028, and ICO-5.

2.5 Field Parameters

Field parameters were measured during each sampling event to assess the possible impacts and changes to the aquifer caused by injecting sodium permanganate into the shallow aquifer. Field parameters included pH, oxidation-reduction potential (ORP), dissolved oxygen (DO), and conductivity. The visual evidence of sodium permanganate and rhodamine dye at each location was also noted. A summary of baseline and post injection field parameters is presented in Table 2-5 and a complete record is contained in Appendix B.

Table 2-5 Field Parameters

Well ID	Event	PH (std units)	ORP (mV)	DO (mg/l)	Conductivity (mS/cm)	Notes
MW-2037	Baseline	8.12	128	3.14	0.59	Rhodamine dye
	Injection 1	8.34	181	2.75	0.60	
	Injection 2 [(a)]	NR	NR	NR	NR	
	30-days [(a)]	7.79	191	10.35	0.56	
	60-days	7.98	102	2.92	0.62	
MW-2038	Baseline	6.66	175	8.51	4.88	None
	Injection 1	NS	NS	NS	NS	
	Injection 2	NS	NS	NS	NS	
	30-days	6.66	152	6.68	4.52	
	60-days	6.49	158	5.78	5.02	
MW-3025	Baseline	6.88	224	6.14	2.90	None
	Injection 1	NS	NS	NS	NS	
	Injection 2	NS	NS	NS	NS	
	30-days	6.96	145	6.61	2.89	
	60-days	6.73	192	6.33	2.92	
MW-3027	Baseline	7.15	117	5.34	0.96	None
	Injection 1	NS	NS	NS	NS	
	Injection 2	NS	NS	NS	NS	
	30-days	7.07	218	4.54	0.99	
	60-days	6.80	204	4.18	0.91	
MW-3028	Baseline	7.03	236	3.76	1.71	Slight pink tint
	Injection 1	7.07	175	3.92	1.57	
	Injection 2	6.98	355	3.56	1.90	
	30-days	6.77	182	4.22	2.00	
	60-days	6.69	230	3.68	2.06	
MW-3029	Baseline	7.25	113	3.82	2.26	Slight pink tint
	Injection 1	6.99	---	3.85	2.37	
	Injection 2	6.96	236	4.25	2.30	
	30-days	7.01	166	3.86	2.40	
	60-days	6.88	185	3.70	2.48	
MW-3030	Baseline	6.77	35	0.33	2.60	None
	Injection 1	6.85	38	0.87	2.67	
	Injection 2	6.89	284	0.91	2.71	
	30-days	6.76	208	1.15	2.78	
	60-days	6.78	176	1.60	2.73	
MW-3032	Baseline	8.52	63	1.32	0.44	None
	Injection 1	8.61	190	2.01	0.44	
	Injection 2 [(a)]	7.58	112	12.89	0.42	
	30-days [(a)]	8.29	142	9.45	0.41	
	60-days	8.44	-110 [(b)]	1.29	0.38	
MW-3034	Baseline	6.76	111	2.16	4.93	Permanganate observed after 1st injection
	Injection 1 [(a)]	NR	NR	NR	NR	
	Injection 2 [(a)]	NR	NR	NR	NR	
	30-days [(a)]	NR	NR	NR	NR	
	60-days	NR	NR	NR	NR	
MW-3035	Baseline	7.74	107	1.68	0.96	Slight pink tint
	Injection 1	7.44	159	2.07	1.02	
	Injection 2	7.46	227	1.70	1.03	
	30-days	7.43	123	2.07	0.99	
	60-days	7.20	188	2.03	1.02	

Well ID	Event	PH (std units)	ORP (mV)	DO (mg/l)	Conductivity (mS/cm)	Notes
MW-3036	Baseline	7.03	116	5.97	1.33	None
	Injection 1	7.07	188	4.87	1.27	
	Injection 2	7.06	234	4.73	1.17	
	30-days	7.07	88	4.78	1.16	
	60-days	6.82	393 [b]	4.95	1.12	
MW-3038	Baseline	7.38	187	6.84	0.56	None
	Injection 1	7.38	161	4.82	0.49	
	Injection 2	7.42	219	5.70	0.55	
	30-days	7.42	182	5.27	0.49	
	60-days	7.24	166	5.68	0.51	
MW-3039	Baseline	6.74	176	0.81	4.68	None
	Injection 1	NS	NS	NS	NS	
	Injection 2	NS	NS	NS	NS	
	30-days	6.77	148	0.82	4.81	
	60-days	6.47	223	0.96	4.98	
MW-4001	Baseline	7.19	138	2.59	0.98	None
	Injection 1	NS	NS	NS	NS	
	Injection 2	NS	NS	NS	NS	
	30-days	6.94	-91 [b]	2.14	1.01	
	60-days	7.05	207	2.59	0.98	
MW-4027	Baseline	7.43	168	7.08	0.65	None
	Injection 1	7.20	171	6.17	0.85	
	Injection 2	7.26	189	6.15	0.81	
	30-days	7.24	166	6.81	0.66	
	60-days	7.27	-13 [b]	6.74	0.58	
MW-4028	Baseline	6.79	147	3.76	2.25	Permanganate observed after 2nd injection
	Injection 1	6.88	266	3.56	2.28	
	Injection 2 [a]	NR	NR	NR	NR	
	30-days [a]	NR	NR	NR	NR	
	60-days	NR	NR	NR	NR	
MW-4029	Baseline	6.78	122	1.52	4.49	None
	Injection 1	6.78	158	1.67	4.49	
	Injection 2	6.75	254	1.63	4.59	
	30-days	6.76	198	1.32	4.50	
	60-days	6.56	154	0.89	4.42	
MW-4031	Baseline	7.01	201	3.41	2.40	None
	Injection 1	6.80	233	3.44	2.34	
	Injection 2	6.75	259	3.02	2.47	
	30-days	6.95	235	3.55	2.34	
	60-days	6.70	311	3.60	2.28	
MW-4032	Baseline	6.91	182	5.99	2.02	None
	Injection 1	6.85	293	4.60	1.95	
	Injection 2 [a]	6.92	303	10.16	2.09	
	30-days [a]	7.30	146	9.91	1.83	
	60-days	6.74	283	6.72	2.02	
MW-4037	Baseline	7.17	126	4.85	0.56	None
	Injection 1	NS	NS	NS	NS	
	Injection 2	NS	NS	NS	NS	
	30-days	6.89	-73 [b]	3.10	1.09	
	60-days	6.86	220	3.33	1.51	
MW-4038	Baseline	7.03	158	6.42	1.65	None
	Injection 1	NS	NS	NS	NS	
	Injection 2	NS	NS	NS	NS	
	30-days	6.89	-48 [b]	6.23	1.69	
	60-days	6.87	226	5.39	1.59	

Well ID	Event	PH (std units)	ORP (mV)	DO (mg/l)	Conductivity (mS/cm)	Notes
MW-S021	Baseline	7.01	134	8.28	1.69	None
	Injection 1	6.85	239	6.40	1.74	
	Injection 2 [a]	6.95	220	10.01	1.60	
	30-days [a]	7.09	161	10.38	1.67	
	60-days	6.79	254	6.87	1.62	
ICO-1	Baseline [a]	7.05	124	10.3	2.20	Permanganate observed after 2nd injection
	Injection 1 [a]	7.05	160	7.05	2.33	
	Injection 2 [a]	NR	NR	NR	NR	
	30-days [a]	NR	NR	NR	NR	
	60-days	6.63	324	4.92	1.70	
ICO-2	Baseline [a]	7.03	131	8.13	2.87	Permanganate observed after 1st injection
	Injection 1 [a]	NR	NR	NR	NR	
	Injection 2 [a]	NR	NR	NR	NR	
	30-days [a]	NR	NR	NR	NR	
	60-days	NR	NR	NR	NR	
ICO-3	Baseline [a]	7.21	135	10.5	2.86	None
	Injection 1 [a]	6.98	124	11.72	3.25	
	Injection 2 [a]	6.60	159	12.02	2.88	
	30-days [a]	6.62	139	9.25	3.30	
	60-days	6.45	232	2.34	3.80	
ICO-4	Baseline [a]	7.00	165	9.80	1.47	Permanganate observed after 2nd injection
	Injection 1 [a]	7.08	124	11.32	1.63	
	Injection 2 [a]	NR	NR	NR	NR	
	30-days [a]	7.01	346	11.90	1.73	
	60-days	6.63	236	4.79	1.80	
ICO-5	Baseline [a]	7.02	148	10.7	2.15	Permanganate observed after 2nd injection
	Injection 1 [a]	6.98	130	13.06	2.18	
	Injection 2 [a]	NR	NR	NR	NR	
	30-days [a]	7.00	136	11.37	2.04	
	60-days	6.62	236	3.66	2.08	
ICO-6	Baseline [a]	6.71	150	10.2	3.14	None
	Injection 1 [a]	7.03	83	12.35	3.21	
	Injection 2 [a]	6.61	152	NR	2.94	
	30-days [a]	6.98	160	10.28	3.21	
	60-days	6.61	215	4.07	3.90	
SP-5304	Baseline	7.25	207	5.35	0.44	None
	Injection 1	NS	NS	NS	NS	
	Injection 2	6.92	225	4.49	0.44	
	30-days	6.74	-12 [b]	4.72	0.33	
	60-days	6.12	222	4.26	0.48	
SP-6301	Baseline	6.85	200	9.05	0.33	None
	Injection 1	NS	NS	NS	NS	
	Injection 2	6.60	240	6.22	0.31	
	30-days	6.52	128	5.45	0.44	
	60-days	5.99	225	5.53	0.39	
SP-6303	Baseline	6.77	132	4.60	0.29	None
	Injection 1	NS	NS	NS	NS	
	Injection 2	6.53	131	3.86	0.32	
	30-days	6.57	136	3.20	0.41	
	60-days	6.17	209	4.38	0.51	

NS – Not sampled
NR – Not recorded
a – Location not sampled by PMC. Data obtained from subcontractor (Ref. 1).
b – Suspect data point noted on field sheets.

Measurements of field parameters throughout the study period indicated connection of some monitoring wells to the injection points even though no TCE reduction was detected. The most notable monitoring parameter was ORP. Increases in ORP levels were considered an indication of connection between the injection point and the monitoring location and in some instance a precursor to permanganate arrival. ORP levels increased in MW-4028 and MW-4032 (approximately 100 ft from the low K injection well) after the first injection; however, decreases in TCE concentrations were not observed in these wells until after the second injection. ORP levels increased in MW-3028, MW-3029, MW-3030, and MW-4029 after the second injection. No changes in field parameters were observed in SP-6301. Increased ORP levels were observed in SP-6303 in the 60-day sample.

Conductivity measurements exhibited some changes as a result of oxidant injection into the shallow aquifer; however, changes were not as pronounced as those observed with ORP. Conductivity increased in ICO-3 and ICO-4 after the first injection and in MW-3028, MW-3030, MW-4037, and ICO-6 after the second injection. Increased conductivity was also observed in SP-6303 after the second injection. Changes in conductivity at a monitoring well indicated a connection between the monitoring location and the injection points.

Total suspended solids (TSS) were measured in each of the wells during the pilot-scale project (Appendix B). Several of the wells showed substantial increases near the end of the monitoring period. Levels increased in MW-3025, MW-*3028, MW-3038, MW-4031, MW-4037, and MW-4038. TSS levels were significantly elevated over those observed in nearby wells in ICO-1 through ICO-6. Increases in TSS may be an indicator of precipitated manganese in the shallow aquifer.

3. QUALITY ASSURANCE

Data evaluation was performed on the analytical data generated from this field study to determine whether Weldon Spring Site Remedial Action Project (WSSRAP) data quality objectives were met and to ensure overall data quality results were generated. Data evaluation was performed in accordance with *Environmental Quality Assurance Project Plan* (EQAPjP) (Ref. 3). The data evaluation process was completed through data verification, data review, data validation, and data management activities.

3.1 Data Evaluation

Data verification was conducted in accordance with the sampling plan (Ref. 2), to ensure that documentation and data were reported in compliance with established reporting requirements and standard operating procedures, and to ensure that all analyses were performed. Analytical results received from the laboratory were reviewed to verify samples were properly handled according to WSSRAP protocol. The following factors were reviewed and evaluated: sample identification, chain-of-custody, holding times, sample preservation requirements, sample analysis request forms, laboratory tracking, data reporting requirements, and the database transfer.

Data packages were reviewed to ensure the final data were properly identified, analyzed, reported, and met data quality requirements. The data were also reviewed to check for inconsistencies with the field quality control samples. Final analytical results were compared to the preliminary analytical results to identify any changes in data.

3.2 Quality Control Analyses

The *Groundwater Sampling Plan for In Situ Chemical Oxidation Pilot-Scale Testing* (Ref. 2) indicated that quality control samples would be taken at a frequency of 1 per 20 samples or 5%. Quality control samples included matrix duplicates (DU), field replicates (FR), and matrix spike/matrix spike duplicates (MS/MSD). Matrix duplicates and field replicates were analyzed for uranium, iron, and sulfate samples. Matrix spike/matrix spike duplicates were analyzed for uranium, iron, sulfate, and nitroaromatic compound samples. Although the quality analyses were not run on separate samples, the quality control sample frequency requirement (5%) was satisfied.

Matrix duplicates samples are aliquots taken from the parent sample at the laboratory. Field replicates are split from the parent sample in the field and submitted to the same laboratory as the parent sample. The matrix duplicate and field replicate results are compared to the parent sample and the relative percent difference (RPD) is calculated for each. The recommended RPD for radiological and chemical parameters is less than or equal to 50% and 35%, respectively. RPDs are not calculated for "non-detect" results.

Also, if one or both of the results are less than five times the detection limit, the RPD value is considered of limited value due to higher tolerance limits near the analytical detection limit.

One hundred and four (104) matrix duplicates or field replicates were analyzed for this study. The RPD values ranged from 0% to 278%. Metal data from two samples, GW-3030-051502 and GW-3039-071102 exceeded the recommended 35% limit for radiological parameters; however, the concentrations were less than five times the detection limit. A summary of the quality control analyses is provided in Appendix C.

Matrix spikes are sample aliquots split by the laboratory that are treated in the same manner as the parent samples except these samples have been spiked with a known amount of the target analytes to determine the precision of the method in a given sample type or matrix. The samples are processed as regular samples and a percent recovery is determined after analysis. Matrix spike duplicates are split samples of the matrix spike samples that are treated in the same manner as the matrix spike parent samples. A percent recovery is determined after the analysis as well as the RPD between the MS and MD. The recommended percent recovery is +/- 20% for radiological and nitroaromatic compound parameters.

One hundred and fifty-six (156) matrix spike/matrix spike duplicates were analyzed for this study. The percent recovery values typically were within the acceptable range, except for nitroaromatic compounds and volatile organic compounds in some samples. Evaluation of the primary samples for these locations indicate that the reported values were within historical ranges and therefore the data quality is acceptable The RPDs for the matrix duplicates were also within the acceptable ranges for radiological and chemical parameters. A summary of the quality control analyses is provided in Appendix C.

4. CONCLUSIONS

4.1 Effectiveness of the ICO Process on TCE

Trichloroethylene (TCE) destruction was observed in ICO-2 and MW-3034 in the high-K area 10 days after the first injection. No TCE destruction was observed in the low-K area after the first injection. After the second injection, TCE destruction was observed in ICO-1, ICO-2, and MW-3034 in the high-K area and in ICO-4, ICO-5, and MW-4028 in the low-K area. The results of the first injection demonstrated that TCE could be oxidized to non-detectable concentrations with sodium permanganate. The key factor for successful TCE destruction is effective distribution of sodium permanganate in the aquifer. Where sodium permanganate was observed during or after injection, the results indicated large reductions.

Sixty days after the second injection, sodium permanganate was detected in ICO-2 and MW-3034 in the high-K area and in MW-4028 in the low-K area and TCE destruction was still reported for two of these wells. Monitoring data collected in March 2003 (1 year after injection) and September 2003 indicates that TCE levels rebounded to near baseline concentrations in MW-3034 (Table 4-1). Rebound in these wells is the result of upgradient dissolved TCE in groundwater migrating to these locations. A substantial delayed decrease in TCE was reported in MW-3028, which is downgradient from the MW-4028 and indicates possible migration of sodium permanganate in the preferential flow path in this area. Continued decreases in MW-4032 and MW-S021 are likely the result of residual sodium permanganate in the low-K area.

Table 4-1 TCE Concentrations in Selected Wells

Location	TCE (µg/l)						
	Baseline	1st Injection	2nd Injection	30-days	60-days	1-year	18-months
ICO-2	230	< 1	< 1	< 1	< 1	NS	199
MW-2037	31	34	34	40	42	105	130
MW-3028	170	130	180	100	150	NS	17
MW-3030	230	180	270	280	320	NS	451
MW-3034	470	< 1	< 1	< 1	< 1	203	307
ICO-5	170	160	27	140	99	NS	144
MW-4028	210	180	5.5	< 1	< 1	< 1	< 2
MW-4029	470	460	480	340	530	NS	548
MW-4032	91	92	65	86	71	63	56
MW-S021	63	76	76	67	75	74	50

NS – Not sampled

4.2 Effect of the ICO Process on the Other Contaminants of Concern

Measurements of uranium activity and nitrate concentrations throughout and after the study did not indicate any impact from the in situ chemical oxidation process.

Uranium activity remained unchanged in the three springs. Nitrate concentrations increased in SP-6303 at the 60-day sampling. Nitrate concentrations in subsequent samples decreased to baseline concentrations

Results from monitoring indicate that the insitu chemical oxidation process had some impact on nitroaromatic compounds in the study area. Trinitrobenzene (TNB), dinitrobenzene (DNB), and nitrobenzene (NB) appeared to be more readily destroyed than dinitrotoluene compounds. By the end of the 60-day monitoring, some locations were showing decreases of 2,4-dinitrotoluene (DNT) or 2,6-DNT. Fifteen to eighteen months after injection, nitroaromatic compound concentrations were rebounding to baseline concentrations. It appears that nitroaromatic compounds may be destroyed before TCE. At several locations, nitroaromatic compound concentrations were reduced below detection limits or lowered below baseline concentrations and TCE was not impacted. A summary of nitroaromatic compound concentrations throughout the field study in selected wells is presented in Table 4-2.

Table 4-2 Nitroaromatic Compound Concentrations in Selected Wells

Well ID	Event	Nitroaromatic Compounds (µg/l)					
		1,3,5-TNB	1,3-DNB	2,4,6-TNT	2,4-DNT	2,6-DNT	NB
MW-2037	Baseline	ND	ND	ND	ND	ND	ND
	Injection 1	ND	ND	ND	ND	ND	ND
	Injection 2	ND	ND	ND	ND	ND	ND
	30-day	ND	ND	ND	0.11	ND	ND
	60-day	ND	ND	ND	ND	ND	ND
	15-month	ND	ND	ND	0.12	ND	ND
	18-month	ND	ND	ND	0.17	ND	ND
MW-3028	Baseline	0.20	ND	ND	0.12	ND	ND
	Injection 1	0.22	ND	ND	0.14	ND	ND
	Injection 2	0.22	ND	ND	0.085	ND	ND
	30-day	0.12	0.13	ND	0.067	ND	ND
	60-day	0.32	(0.089)	ND	ND	ND	ND
	15-month	0.24	0.072	ND	0.18	ND	ND
	18-month	0.17	0.097	ND	0.19	0.20	ND
MW-3030	Baseline	ND	ND	ND	1.2	0.49	ND
	Injection 1	ND	ND	ND	0.99	0.34	ND
	Injection 2	ND	ND	ND	1.1	0.36	ND
	30-day	ND	ND	ND	1.1	0.45	ND
	60-day	ND	ND	ND	0.98	ND	ND
	15-month	ND	ND	ND	1.2	0.57	ND
	18-month	ND	ND	ND	1.1	0.50	ND
MW-3034	Baseline	0.10	0.09	ND	0.38	0.30	ND
	Injection 1	0.12	ND	ND	0.23	0.20	ND
	Injection 2	ND	ND	ND	0.25	0.30	ND
	30-day	ND	ND	ND	0.29	ND	ND
	60-day	ND	ND	ND	ND	ND	ND
	15-month	0.15	0.097	ND	0.36	0.17	ND
	18-month	0.14	0.097	ND	0.29	0.17	ND
MW-4028	Baseline	0.53	0.07	ND	0.12	0.13	ND
	Injection 1	0.56	0.095	ND	0.14	0.15	ND

Well ID	Event	Nitroaromatic Compounds (µg/l)					
		1,3,5-TNB	1,3-DNB	2,4,6-TNT	2,4-DNT	2,6-DNT	NB
MW-4028 (cont'd)	Injection 2	0.11	ND	ND	0.098	0.22	ND
	30-day	ND	ND	ND	0.20	ND	ND
	60-day	ND	ND	ND	ND	ND	ND
	15-month	ND	0.075	ND	0.13	ND	ND
	18-month	ND	ND	ND	0.13	0.29	ND
MW-4029	Baseline	0.98	0.13	ND	0.10	0.37	ND
	Injection 1	0.80	0.13	ND	0.13	0.42	ND
	Injection 2	0.89	ND	ND	0.12	0.45	ND
	30-day	0.76	ND	ND	0.084	0.31	ND
	60-day	0.91	0.10	ND	0.12	ND	ND
	15-month	1.4	0.13	ND	0.62	0.54	ND
	18-month	1.5	0.15	ND	1.0	0.50	ND
MW-4032	Baseline	1.2	0.06	ND	ND	0.18	ND
	Injection 1	1.2	0.10	ND	0.11	0.19	ND
	Injection 2	0.57	ND	ND	ND	ND	ND
	30-day	1.0	0.097	ND	0.15	0.19	ND
	60-day	1.4	(0.077)	ND	ND	ND	ND
	15-month	1.8	0.081	ND	0.083	ND	ND
	18-month	1.7	0.090	ND	0.092	0.19	ND
MW-S021	Baseline	0.09	ND	ND	0.13	ND	ND
	Injection 1	0.12	ND	ND	0.18	ND	ND
	Injection 2	0.10	ND	ND	0.11	ND	ND
	30-day	ND	ND	ND	0.26	ND	ND
	60-day	ND	ND	ND	ND	ND	ND
	15-month	ND	ND	ND	ND	ND	ND
	18-month	ND	0.094	ND	0.072	ND	ND

ND – Not detected

4.3 Effect of the ICO Process on the Physical/Chemical Characteristics of the Shallow Aquifer

Sodium permanganate can contain impurities, such as metals, that can result in impact to the aquifer. Also, by imposing a strongly oxidizing environment, metals that are present in the aquifer materials can be dissolved and released into the groundwater. Four metals, chromium, mercury, silver, and manganese increased in concentration during the pilot phase project. Additional monitoring was performed to determine the persistence of these metals in the groundwater and changes in the groundwater quality. Also, field parameters were monitored to determine any long-term detriment to the shallow aquifer from employing the ICO process at the site.

4.3.1 Metals

Chromium concentrations increased in ICO-2 and MW-3034 after the first injection. Elevated concentrations were detected in ICO-1, ICO-2, ICO-4, ICO-5, MW-3034, and MW-4028 after the second injection. Chromium concentrations were elevated above the maximum contaminant level (MCL of 100 µg/l at several locations during the 60-day sampling event (Section 2.2). Monitoring data collected in September 2003

indicates that chromium levels have decreased to below the MCL in all the sampled wells except the two injection wells (Table 4-3). Introduction of metals into the shallow aquifer does occur from the ICO process; however, over time levels decreased at locations where permanganate in the groundwater diminished. The exact lifespan of chromium in the shallow aquifer would likely be dependent upon the volume and concentration of permanganate injection into the aquifer (i.e., larger volumes or greater concentrations may result in permanganate persistence). Also, as more volume is injected, it could be expected that migration of chromium could occur in the preferential flow paths and off site impact could occur.

Table 4-3 Chromium Concentrations in Selected Wells

Location	Chromium (μg/l)						
	Baseline	1st Injection	2nd Injection	30-days	60-days	1-year	18-months
ICO-2	ND	50.9	102	118	87.2	NS	13
MW-3028	ND	ND	ND	ND	10.2	NS	100
MW-3030	ND	ND	ND	ND	ND	NS	ND
MW-3034	ND	39.4	126	136	145	NS	87
ICO-5	(1.1)	ND	13.2	(8.8)	11.3	NS	ND
MW-4028	ND	1.6	38.2	94.3	135	NS	87
HIW1	NS	NS	NS	NS	NS	NS	226
LIW1	NS	NS	NS	NS	NS	NS	205

ND – Not detected above reported detection limit
NS – Not sampled
(##) – Denotes estimated value less than the detection limit

Based on data collected in September 2003, mercury concentrations exceed the MCL of 2 μg/l in MW-3034 and MW-4028; however, concentrations have decreased over time. Silver was not detected above the detection limit (0.1 μg/l) in any of the sampled wells (Appendix A).

4.3.2 Oxidation/Reduction Potential and Conductivity

Oxidation-Reduction Potential (ORP) was used as an indicator of locations that were affected by the injection of sodium permanganate into the shallow aquifer. While TCE destruction may not have occurred at all locations where ORP measurements indicated affect, this information was used to determine connection between locations and the injection points. ORP levels increased in MW-4032 after the first injection; however, decreases in TCE concentrations were not observed until after the second injection. ORP levels increased in MW-3028 and MW-3030 after the second injection.

The areas around each injection location exhibit ORP values higher than baseline values 18 months after the ICO pilot phase (Table 4-4). The elevated ORP values in these areas are due to the slow movement of sodium permanganate from the injection area. Some locations downgradient of the injection locations exhibit ORP values greater than those measured 6 months after the injection. This is because of the migration of

oxidant in the shallow aquifer. At some locations, such as MW-3028 (ignoring the 18-month anomalous value), the higher ORP values are coincidental with decreases in TCE concentrations. The highest ORP values are measured at those locations where sodium permanganate was still visually observed in the groundwater (i.e., MW-3034 and ICO-5). Increasing ORP levels were measured in MW-2037; however, TCE concentrations have not decreased. This may be due to the oxidation of the rhodamine dye at this location prior to the oxidation of TCE. ORP measurements could not be measured in the two injection locations due to the presence of excessive sodium permanganate.

Table 4-4 ORP Values in Selected Wells

Location	ORP (mV)						
	Baseline	1st Injection	2nd Injection	30-days	60-days	15-months	18-months
ICO-2	131	NR	NR	NR	NR	NS	256
MW-2037	128	181	NR	191	102	214	283
MW-3028	236	175	355	182	230	228	-26 *
MW-3030	35	38	284	208	176	228	284
MW-3034	111	NR	NR	NR	NR	558	524
ICO-5	148	130	NR	136	236	NS	601
MW-4032	182	293	303	146	283	275	274
MW-S021	134	239	220	161	254	297	299

NR – Not recorded due to presence of sodium permanganate
NS – Not sampled
* Value considered suspect

Conductivity values were not as influenced by the presence of permanganate as ORP was, but some locations continued to show changes due to the presence of oxidant in the shallow aquifer (Table 4-5). Groundwater downgradient of the injection locations exhibit conductivity values higher than baseline values 18 months after the ICO pilot phase. The elevated conductivity values are the result of groundwater effected by the oxidant migrating from the injection areas.

Table 4-5 Conductivity Values in Selected Wells

Location	Conductivity (μmhos/cm)						
	Baseline	1st Injection	2nd Injection	30-days	60-days	15-months	18-months
ICO-2	2.87	NR	NR	NR	NR	NS	1.89
MW-2037	0.59	0.60	NR	0.56	0.62	0.94	1.10
MW-3028	1.71	1.57	1.90	2.00	2.06	2.33	2.28
MW-3029	2.26	2.37	2.30	2.40	2.48	3.28	3.22
MW-3030	2.60	2.67	2.71	2.78	2.73	2.94	2.94
MW-3034	4.93	NR	NR	NR	NR	5.38	4.37
MW-3035	0.96	1.02	1.03	0.99	1.02	2.58	2.70
ICO-5	2.15	2.18	NR	2.04	2.08	NS	1.83
MW-4029	4.49	4.49	4.59	4.50	4.42	4.43	4.37
MW-4032	2.02	1.95	2.09	1.83	2.02	1.98	1.69
MW-S021	1.69	1.74	1.60	1.67	1.62	1.81	1.39

NR – Not recorded due to presence of sodium permanganate
NS – Not sampled

4.3.3 Aquifer Impacts and Permanganate Persistence

Permanganate was still present in MW-4028, the two injection wells, ICO-2, and ICO-5 eighteen months after the two injections. Manganese precipitate was observed in MW-3034 during the 18-month sampling event (September 2003).

4.4 Feasibility of Implementation ICO Process on a Large Scale

The pilot-phase in situ chemical oxidation (ICO) project appears to have achieved reduction of TCE concentrations for a period of time in the area of influence. However, data collected from some of these locations in 2003 indicated reappearance of the TCE concentration to the same levels before implementation. The sodium permanganate solution was distributed to a distance of about 100 ft from the injection point with the dispersion of the sodium permanganate favoring a downgradient direction toward the paleochannel features of the site. Uniform distribution of the injected chemicals was not achieved. The area bounded by the wells indicating impact by sodium permanganate was irregularly shaped indicating that homogeneous dispersion in each direction from the injection well did no occur. Dispersion of the sodium permanganate in groundwater was most likely affected by the hydrogeology of the area, with the permanganate following the preferential groundwater gradient toward the paleochannel.

The increase in ORP at MW-3030 supports the conclusion that the injected sodium permanganate solution preferentially moves toward the paleochannel at a faster rate than anticipated based on the general groundwater gradients present in the study area. Sodium permanganate was detected in ICO-1 in the High K area. In the Low K area sodium permanganate was observed in ICO-4 and ICO-5 two days after injection and MW-4028 and MW-4032 three days after injection. Again preferential dispersion of the permanganate was observed in the direction of the paleochannel in both the High K and Low K areas.

The pilot-phase ICO project also indicated that the injection volume at each injection point that would be required to achieve a radius of influence greater than 100 ft could average 20,000 gallons of the sodium permanganate solution. This volume is 20 times greater than that estimated based on the results of the bench-scale testing and 5 times greater than that used during the first injection of the pilot-phase ICO. This increase in the amount of permanganate injected into the shallow aquifer would further increase the detrimental impact of the residual heavy metal contamination caused by the oxidant. Increased chromium and manganese concentrations were observed in areas where sodium permanganate appeared. The subcontractor also noted increased mercury and silver concentrations (Ref. 1). Metals concentrations have decreased in proportion to the disappearance of the sodium permanganate solution injected. Sodium permanganate

is still present at some locations 18 months after the completion of the pilot-phase ICO. Sodium permanganate treatment did not affect uranium or nitrate concentrations at the site. Destruction of some nitroaromatic compounds was observed.

The results of the pilot-phase ICO project could not be directly applied to the whole TCE area because of the nonuniform, heterogeneous nature of the site hydrogeology. The study was designed to perform the field tests at two locations within the impacted area: the first location was at a lower conductivity area with high TCE concentrations, and the second location was at a higher conductivity area with high TCE concentrations. However, this objective may not have been achieved during implementation, as other areas with lower conductivities and with TCE concentrations that exceed the MCL are known to be present. Consequently, uncertainties associated with defining the zone of influence of the injection points and defining the volume of oxidants needed to achieve the required reduction of TCE across the impacted area would still have to be addressed during the design of a full-scale remediation effort. The scope of the remedy Interim Record of Decision (IROD) indicated that two sets of wells and two injections would achieve the MCL (these specifications were based on the understanding of the site and the knowledge regarding the innovative nature of the ICO technology at the time). However, preliminary remedial designs based on the results of the pilot-phase work indicated that at least 20 times as many injection wells would be needed and therefore, at least 20 times as much volume of the oxidant would need to be injected for a full-scale implementation. These estimates address the amounts needed at the initial phase of the implementation; additional injection wells and a greater volume of oxidants may be needed to attain the MCL. The limitations imposed by site hydrogeology on the design for full-scale implementation, coupled with concerns regarding potentially large increases in metals concentrations in groundwater associated with a large oxidant volume, and the persistence of the chemical in the aquifer were primary factors in the overall decision not to go forward with full-scale implementation of ICO.

5. REFERENCES

1. ATC Associates, Inc. *Pilot Scale Test Completion Report, In-Situ Chemical Oxidation of TCE in Groundwater*. Prepared for the U.S. Department of Energy, Weldon Spring Site Remedial Action Project. June 2002.

2. MK-Ferguson Company and Jacobs Engineering Group. *Groundwater Sampling Plan for In Situ Chemical Oxidation Pilot-Scale Testing, Rev. 0*. Prepared for the U.S. Department of Energy, Oak Ridge Operations Office. St. Charles, MO. January 2002.

3. MK-Ferguson Company and Jacobs Engineering Group. *Environmental Quality Assurance Project Plan, Rev. 5*. DOE/OR/21548-352. Prepared for the U.S. Department of Energy, Oak Ridge Operations Office. St. Charles, MO. November 2000.

APPENDIX A
Analytical Data

Lab Qualifiers	Description
*	Replicate analysis not within control limits.
+	Correlation coefficient for MSA < 0.995.
>	Result above upper detection limit.
A	TIC is a suspected aldol-condensation product.
B	Inorganic: Result is between the IDL and CRDL. Organic: Analyte also found in method blank.
C	Pesticide result confirmed by GC-MS.
D	Analyte determined in diluted sample.
E	Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
H	Holding time expired, value suspect.
I	Increased detection limit due to required dilution.
J	Estimated
M	GFAA duplicate injection precision not met.
N	Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compund (TIC).
P	> 25% difference in detected pesticide or Arochlor concentrations between 2 columns.
S	Result determined by method of standard addition (MSA).
U	Analytical result below detection limit.
W	Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
X	Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
Y	Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
Z	Laboratory defined (USEPA CLP organic) qualifier, see case narrative.

LOCATION	ANALYTE	DATE SAMPLED	RESULT	UNCERTAINTY	DETECTION_LIMIT	LAB_QUALIFIERS	UNITS
MW-2037	Arsenic	3/26/2002	0.0012		0.0012	U	mg/L
MW-2037	Arsenic	4/23/2002	0.0024		0.0024	U	mg/L
MW-2037	Arsenic	5/13/2002	0.0024		0.0024	U	mg/L
MW-2037	Arsenic	6/4/2002	0.0024		0.0024	U	mg/L
MW-2037	Arsenic	7/8/2002	0.0019		0.0019	U	mg/L
MW-2037	Barium	3/26/2002	0.0934		0.0108	B	mg/L
MW-2037	Barium	4/23/2002	0.0912		0.0038	B	mg/L
MW-2037	Barium	5/13/2002	0.0816		0.0038	B	mg/L
MW-2037	Barium	6/4/2002	0.0957		0.0038	B	mg/L
MW-2037	Barium	7/8/2002	0.103		0.0025	B	mg/L
MW-2037	Cadmium	3/26/2002	0.00022		0.00022	U	mg/L
MW-2037	Cadmium	4/23/2002	0.0013		0.0013	U	mg/L
MW-2037	Cadmium	5/13/2002	0.0013		0.0013	U	mg/L
MW-2037	Cadmium	6/4/2002	0.0013		0.0013	U	mg/L
MW-2037	Cadmium	7/8/2002	0.00061		0.00061	U	mg/L
MW-2037	Chromium	3/26/2002	0.00073		0.00073	U	mg/L
MW-2037	Chromium	4/23/2002	0.0034		0.0013	B	mg/L
MW-2037	Chromium	5/13/2002	0.0026		0.0013	B	mg/L
MW-2037	Chromium	6/4/2002	0.0036		0.0013	B	mg/L
MW-2037	Chromium	7/8/2002	0.0033		0.001	B	mg/L
MW-2037	Lead	3/26/2002	0.00099		0.00099	U	mg/L
MW-2037	Lead	4/23/2002	0.0021		0.0021	U	mg/L
MW-2037	Lead	5/13/2002	0.0032		0.0021		mg/L
MW-2037	Lead	6/4/2002	0.0021		0.0021	U	mg/L
MW-2037	Lead	7/8/2002	0.00093		0.00093	U	mg/L
MW-2037	Manganese	3/26/2002	0.0004		0.0004	U	mg/L
MW-2037	Manganese	4/23/2002	0.0014		0.0014	U	mg/L
MW-2037	Manganese	5/13/2002	0.0014		0.0014	U	mg/L
MW-2037	Manganese	6/4/2002	0.0014		0.0014	U	mg/L
MW-2037	Manganese	7/8/2002	0.0013		0.0007	B	mg/L
MW-2037	Mercury	3/26/2002	0.0001		0.0001	U	mg/L
MW-2037	Mercury	4/23/2002	0.0001		0.0001	U	mg/L
MW-2037	Mercury	5/13/2002	0.0001		0.0001	U	mg/L
MW-2037	Mercury	6/4/2002	0.0001		0.0001	U	mg/L
MW-2037	Mercury	7/8/2002	0.0001		0.0001	U	mg/L
MW-2037	Nitrate as Nitrogen	3/26/2002	16.4		2		mg/L
MW-2037	Nitrate as Nitrogen	4/23/2002	19.9		2		mg/L
MW-2037	Nitrate as Nitrogen	5/13/2002	17.5		1		mg/L
MW-2037	Nitrate as Nitrogen	6/4/2002	22.4		1		mg/L
MW-2037	Nitrate as Nitrogen	7/8/2002	21.3		1		mg/L
MW-2037	Selenium	3/26/2002	0.0012		0.0012	U	mg/L
MW-2037	Selenium	4/23/2002	0.0022		0.0022	U	mg/L

LOCATION	ANALYTE	DATE SAMPLED	RESULT	UNCERTAINTY	DETECTION_LIMIT	LAB_QUALIFIERS	UNITS
MW-2037	Selenium	5/13/2002	0.0022		0.0022	U	mg/L
MW-2037	Selenium	6/4/2002	0.0022		0.0022	U	mg/L
MW-2037	Selenium	7/8/2002	0.0024		0.0024	U	mg/L
MW-2037	Silver	3/26/2002	0.0017		0.0017	U	mg/L
MW-2037	Silver	4/23/2002	0.001		0.001	U	mg/L
MW-2037	Silver	5/13/2002	0.0013		0.001	B	mg/L
MW-2037	Silver	6/4/2002	0.001		0.001	U	mg/L
MW-2037	Silver	7/8/2002	0.0002		0.0002	U	mg/L
MW-2037	Tetrachloroethene	3/26/2002	1		1	U	ug/L
MW-2037	Tetrachloroethene	4/23/2002	1		1	U	ug/L
MW-2037	Tetrachloroethene	5/13/2002	1		1	U	ug/L
MW-2037	Tetrachloroethene	6/4/2002	2		2	U	ug/L
MW-2037	Tetrachloroethene	7/8/2002	2		2	U	ug/L
MW-2037	Total 1,2-Dichloroethene	3/26/2002	0.6		2	J	ug/L
MW-2037	Total 1,2-Dichloroethene	4/23/2002	0.64		2	J	ug/L
MW-2037	Total 1,2-Dichloroethene	5/13/2002	0.74		2	JB	ug/L
MW-2037	Total 1,2-Dichloroethene	6/4/2002	1.1		4	J	ug/L
MW-2037	Total 1,2-Dichloroethene	7/8/2002	4		4	U	ug/L
MW-2037	Trichloroethene	3/26/2002	32		1		ug/L
MW-2037	Trichloroethene	4/23/2002	31		1		ug/L
MW-2037	Trichloroethene	5/13/2002	36		1		ug/L
MW-2037	Trichloroethene	6/4/2002	53		2		ug/L
MW-2037	Trichloroethene	7/8/2002	42		2		ug/L
MW-2037	Uranium	3/26/2002	0.16	0.016	0.68	UJ	pCi/L
MW-2037	Uranium	4/23/2002	0.07	0.007	0.68	UJ	pCi/L
MW-2037	Uranium	5/13/2002	0.15	0.015	0.68	UJ	pCi/L
MW-2037	Uranium	6/4/2002	0.677		0.677	U	pCi/L
MW-2037	Uranium	7/8/2002	0.039	0.005	0.677	J	pCi/L
MW-2037	Vinyl chloride	3/26/2002	1		1	U	ug/L
MW-2037	Vinyl chloride	4/23/2002	1		1	U	ug/L
MW-2037	Vinyl chloride	5/13/2002	1		1	U	ug/L
MW-2037	Vinyl chloride	6/4/2002	2		2	U	ug/L
MW-2037	Vinyl chloride	7/8/2002	2		2	U	ug/L
MW-2038	Arsenic	3/26/2002	0.0012		0.0012	U	mg/L
MW-2038	Arsenic	6/4/2002	0.0026		0.0024	B	mg/L
MW-2038	Arsenic	7/8/2002	0.0019		0.0019	U	mg/L
MW-2038	Barium	3/26/2002	0.383		0.0108		mg/L
MW-2038	Barium	6/4/2002	0.377		0.0038		mg/L
MW-2038	Barium	7/8/2002	0.39		0.0025		mg/L
MW-2038	Cadmium	3/26/2002	0.00022		0.00022	U	mg/L
MW-2038	Cadmium	6/4/2002	0.0013		0.0013	U	mg/L
MW-2038	Cadmium	7/8/2002	0.00061		0.00061	U	mg/L

LOCATION	ANALYTE	DATE SAMPLED	RESULT	UNCERTAINTY	DETECTION_LIMIT	LAB_QUALIFIERS	UNITS
MW-2038	Chromium	3/26/2002	0.00073		0.00073	U	mg/L
MW-2038	Chromium	6/4/2002	0.0013		0.0013	U	mg/L
MW-2038	Chromium	7/8/2002	0.00099		0.001	B	mg/L
MW-2038	Lead	3/26/2002	0.00099		0.00099	U	mg/L
MW-2038	Lead	6/4/2002	0.0021		0.0021	U	mg/L
MW-2038	Lead	7/8/2002	0.001		0.00093	B	mg/L
MW-2038	Manganese	3/26/2002	0.00056		0.0004	B	mg/L
MW-2038	Manganese	6/4/2002	0.0034		0.0014	B	mg/L
MW-2038	Manganese	7/8/2002	0.0026		0.0007	B	mg/L
MW-2038	Mercury	3/26/2002	0.0001		0.0001	U	mg/L
MW-2038	Mercury	6/4/2002	0.0001		0.0001	U	mg/L
MW-2038	Mercury	7/8/2002	0.0001		0.0001	U	mg/L
MW-2038	Nitrate as Nitrogen	3/26/2002	768		50		mg/L
MW-2038	Nitrate as Nitrogen	4/16/2002	635		40		mg/L
MW-2038	Nitrate as Nitrogen	6/4/2002	778		40		mg/L
MW-2038	Nitrate as Nitrogen	7/8/2002	815		40		mg/L
MW-2038	Selenium	3/26/2002	0.0103		0.0012		mg/L
MW-2038	Selenium	6/4/2002	0.0127		0.0022		mg/L
MW-2038	Selenium	7/8/2002	0.0129		0.0024		mg/L
MW-2038	Silver	3/26/2002	0.0017		0.0017	U	mg/L
MW-2038	Silver	6/4/2002	0.001		0.001	U	mg/L
MW-2038	Silver	7/8/2002	0.0002		0.0002	U	mg/L
MW-2038	Tetrachloroethene	3/26/2002	1		1	U	ug/L
MW-2038	Tetrachloroethene	4/16/2002	1		1	U	ug/L
MW-2038	Tetrachloroethene	6/4/2002	1		1	U	ug/L
MW-2038	Tetrachloroethene	7/8/2002	1		1	U	ug/L
MW-2038	Total 1,2-Dichloroethene	3/26/2002	0.72		2	J	ug/L
MW-2038	Total 1,2-Dichloroethene	4/16/2002	2		2	U	ug/L
MW-2038	Total 1,2-Dichloroethene	6/4/2002	0.69		2	J	ug/L
MW-2038	Total 1,2-Dichloroethene	7/8/2002	0.67		2	J	ug/L
MW-2038	Trichloroethene	3/26/2002	22		1		ug/L
MW-2038	Trichloroethene	4/16/2002	21		1		ug/L
MW-2038	Trichloroethene	6/4/2002	21		1		ug/L
MW-2038	Trichloroethene	7/8/2002	22		1		ug/L
MW-2038	Uranium	3/26/2002	1.75	0.18	0.68		pCi/L
MW-2038	Uranium	6/4/2002	1.65	0.11	0.677		pCi/L
MW-2038	Uranium	7/8/2002	1.28	0.028	0.677		pCi/L
MW-2038	Vinyl chloride	3/26/2002	1		1	U	ug/L
MW-2038	Vinyl chloride	4/16/2002	1		1	U	ug/L
MW-2038	Vinyl chloride	6/4/2002	1		1	U	ug/L
MW-2038	Vinyl chloride	7/8/2002	1		1	U	ug/L
MW-3025	Arsenic	4/1/2002	0.0012		0.0012	U	mg/L

LOCATION	ANALYTE	DATE SAMPLED	RESULT	UNCERTAINTY	DETECTION_LIMIT	LAB_QUALIFIERS	UNITS
MW-3025	Arsenic	6/13/2002	0.0024		0.0024	U	mg/L
MW-3025	Arsenic	7/15/2002	0.0019		0.0019	U	mg/L
MW-3025	Barium	4/1/2002	0.27		0.0108		mg/L
MW-3025	Barium	6/13/2002	0.22		0.0041		mg/L
MW-3025	Barium	7/15/2002	0.199		0.0025	B	mg/L
MW-3025	Cadmium	4/1/2002	0.00031		0.00031	U	mg/L
MW-3025	Cadmium	6/13/2002	0.0013		0.0013	U	mg/L
MW-3025	Cadmium	7/15/2002	0.00061		0.00061	U	mg/L
MW-3025	Chromium	4/1/2002	0.00073		0.00073	U	mg/L
MW-3025	Chromium	6/13/2002	0.0013		0.0013	U	mg/L
MW-3025	Chromium	7/15/2002	0.0014		0.00099	B	mg/L
MW-3025	Lead	4/1/2002	0.00099		0.00099	U	mg/L
MW-3025	Lead	6/13/2002	0.0021		0.0021	U	mg/L
MW-3025	Lead	7/15/2002	0.0037		0.00093		mg/L
MW-3025	Manganese	4/1/2002	0.0004		0.0004	U	mg/L
MW-3025	Manganese	6/13/2002	0.0007		0.0007	U	mg/L
MW-3025	Manganese	7/15/2002	0.0007		0.0007	U	mg/L
MW-3025	Mercury	4/1/2002	0.0001		0.0001	U	mg/L
MW-3025	Mercury	6/13/2002	0.0001		0.0001	U	mg/L
MW-3025	Mercury	7/15/2002	0.0001		0.0001	U	mg/L
MW-3025	Nitrate as Nitrogen	4/1/2002	327		20		mg/L
MW-3025	Nitrate as Nitrogen	4/23/2002	307		40		mg/L
MW-3025	Nitrate as Nitrogen	6/13/2002	304		20		mg/L
MW-3025	Nitrate as Nitrogen	7/15/2002	502		40		mg/L
MW-3025	Selenium	4/1/2002	0.0082		0.0012		mg/L
MW-3025	Selenium	6/13/2002	0.0096		0.0022		mg/L
MW-3025	Selenium	7/15/2002	0.009		0.0024		mg/L
MW-3025	Silver	4/1/2002	0.0017		0.0017	U	mg/L
MW-3025	Silver	6/13/2002	0.0016		0.0016	U	mg/L
MW-3025	Silver	7/15/2002	0.0008		0.0008	U	mg/L
MW-3025	Tetrachloroethene	4/1/2002	1		1	U	ug/L
MW-3025	Tetrachloroethene	4/23/2002	1		1	U	ug/L
MW-3025	Tetrachloroethene	6/13/2002	1		1	U	ug/L
MW-3025	Tetrachloroethene	7/15/2002	1		1	U	ug/L
MW-3025	Total 1,2-Dichloroethene	4/1/2002	2		2	U	ug/L
MW-3025	Total 1,2-Dichloroethene	4/23/2002	0.53		2	J	ug/L
MW-3025	Total 1,2-Dichloroethene	6/13/2002	2		2	U	ug/L
MW-3025	Total 1,2-Dichloroethene	7/15/2002	2		2	U	ug/L
MW-3025	Trichloroethene	4/1/2002	4.7		1		ug/L
MW-3025	Trichloroethene	4/23/2002	3.9		1		ug/L
MW-3025	Trichloroethene	6/13/2002	3.5		1		ug/L
MW-3025	Trichloroethene	7/15/2002	4		1		ug/L

LOCATION	ANALYTE	DATE SAMPLED	RESULT	UNCERTAINTY	DETECTION_LIMIT	LAB_QUALIFIERS	UNITS
MW-3025	Uranium	4/1/2002	2.03	0.22	0.68		pCi/L
MW-3025	Uranium	6/13/2002	2.37	0.24	1		pCi/L
MW-3025	Uranium	7/15/2002	2.29	0.23	0.68		pCi/L
MW-3025	Vinyl chloride	4/1/2002	1		1	U	ug/L
MW-3025	Vinyl chloride	4/23/2002	1		1	U	ug/L
MW-3025	Vinyl chloride	6/13/2002	1		1	U	ug/L
MW-3025	Vinyl chloride	7/15/2002	1		1	U	ug/L
MW-3027	Arsenic	3/27/2002	0.0012		0.0012	U	mg/L
MW-3027	Arsenic	6/5/2002	0.0024		0.0024	U	mg/L
MW-3027	Arsenic	7/8/2002	0.0019		0.0019	U	mg/L
MW-3027	Barium	3/27/2002	0.608		0.0108		mg/L
MW-3027	Barium	6/5/2002	0.603		0.0038		mg/L
MW-3027	Barium	7/8/2002	0.587		0.0025		mg/L
MW-3027	Cadmium	3/27/2002	0.00022		0.00022	U	mg/L
MW-3027	Cadmium	6/5/2002	0.0013		0.0013	U	mg/L
MW-3027	Cadmium	7/8/2002	0.00061		0.00061	U	mg/L
MW-3027	Chromium	3/27/2002	0.00073		0.00073	U	mg/L
MW-3027	Chromium	6/5/2002	0.0013		0.0013	U	mg/L
MW-3027	Chromium	7/8/2002	0.002		0.001	B	mg/L
MW-3027	Lead	3/27/2002	0.00099		0.00099	U	mg/L
MW-3027	Lead	6/5/2002	0.0021		0.0021	U	mg/L
MW-3027	Lead	7/8/2002	0.0023		0.00093	B	mg/L
MW-3027	Manganese	3/27/2002	0.0004		0.0004	U	mg/L
MW-3027	Manganese	6/5/2002	0.0014		0.0014	U	mg/L
MW-3027	Manganese	7/8/2002	0.0007		0.0007	U	mg/L
MW-3027	Mercury	3/27/2002	0.0001		0.0001	U	mg/L
MW-3027	Mercury	6/5/2002	0.0001		0.0001	U	mg/L
MW-3027	Mercury	7/8/2002	0.0001		0.0001	U	mg/L
MW-3027	Nitrate as Nitrogen	3/27/2002	36.1		10		mg/L
MW-3027	Nitrate as Nitrogen	4/16/2002	54.8		20		mg/L
MW-3027	Nitrate as Nitrogen	6/5/2002	46.2		5		mg/L
MW-3027	Nitrate as Nitrogen	7/8/2002	42		20		mg/L
MW-3027	Selenium	3/27/2002	0.0012		0.0012	U	mg/L
MW-3027	Selenium	6/5/2002	0.0022		0.0022	U	mg/L
MW-3027	Selenium	7/8/2002	0.0024		0.0024	U	mg/L
MW-3027	Silver	3/27/2002	0.0017		0.0017	U	mg/L
MW-3027	Silver	6/5/2002	0.001		0.001	U	mg/L
MW-3027	Silver	7/8/2002	0.0045		0.0002	B	mg/L
MW-3027	Tetrachloroethene	3/27/2002	1		1	U	ug/L
MW-3027	Tetrachloroethene	6/5/2002	1		1	U	ug/L
MW-3027	Tetrachloroethene	7/8/2002	1		1	U	ug/L
MW-3027	Total 1,2-Dichloroethene	3/27/2002	2		2	U	ug/L

LOCATION	ANALYTE	DATE SAMPLED	RESULT	UNCERTAINTY	DETECTION_LIMIT	LAB_QUALIFIERS	UNITS
MW-3027	Total 1,2-Dichloroethene	6/5/2002	2		2	U	ug/L
MW-3027	Total 1,2-Dichloroethene	7/8/2002	2		2	U	ug/L
MW-3027	Trichloroethene	3/27/2002	0.68		1	J	ug/L
MW-3027	Trichloroethene	6/5/2002	0.87		1	J	ug/L
MW-3027	Trichloroethene	7/8/2002	0.75		1	J	ug/L
MW-3027	Uranium	3/27/2002	0.819	0.081	0.68	J	pCi/L
MW-3027	Uranium	6/5/2002	0.677		0.677	U	pCi/L
MW-3027	Uranium	7/8/2002	0.395	0.01	0.677	J	pCi/L
MW-3027	Vinyl chloride	3/27/2002	1		1	U	ug/L
MW-3027	Vinyl chloride	6/5/2002	1		1	U	ug/L
MW-3027	Vinyl chloride	7/8/2002	1		1	U	ug/L
MW-3028	Arsenic	4/1/2002	0.0012		0.0012	U	mg/L
MW-3028	Arsenic	4/18/2002	0.0024		0.0024	U	mg/L
MW-3028	Arsenic	5/15/2002	0.0024		0.0024	U	mg/L
MW-3028	Arsenic	6/6/2002	0.0024		0.0024	U	mg/L
MW-3028	Arsenic	7/15/2002	0.0019		0.0019	U	mg/L
MW-3028	Barium	4/1/2002	0.0755		0.0108	B	mg/L
MW-3028	Barium	4/18/2002	0.0668		0.0038	B	mg/L
MW-3028	Barium	5/15/2002	0.0713		0.0041	B	mg/L
MW-3028	Barium	6/6/2002	0.0777		0.0038	B	mg/L
MW-3028	Barium	7/15/2002	0.0864		0.0025	B	mg/L
MW-3028	Cadmium	4/1/2002	0.00031		0.00031	U	mg/L
MW-3028	Cadmium	4/18/2002	0.0013		0.0013	U	mg/L
MW-3028	Cadmium	5/15/2002	0.0013		0.0013	U	mg/L
MW-3028	Cadmium	6/6/2002	0.0013		0.0013	U	mg/L
MW-3028	Cadmium	7/15/2002	0.00061		0.00061	U	mg/L
MW-3028	Chromium	4/1/2002	0.00073		0.00073	U	mg/L
MW-3028	Chromium	4/18/2002	0.0013		0.0013	U	mg/L
MW-3028	Chromium	5/15/2002	0.0013		0.0013	U	mg/L
MW-3028	Chromium	6/6/2002	0.0013		0.0013	U	mg/L
MW-3028	Chromium	7/15/2002	0.0102		0.00099		mg/L
MW-3028	Lead	4/1/2002	0.00099		0.00099	U	mg/L
MW-3028	Lead	4/18/2002	0.0021		0.0021	U	mg/L
MW-3028	Lead	5/15/2002	0.0021		0.0021	U	mg/L
MW-3028	Lead	6/6/2002	0.0021		0.0021	U	mg/L
MW-3028	Lead	7/15/2002	0.0035		0.00093	J	mg/L
MW-3028	Manganese	4/1/2002	0.0004		0.0004	U	mg/L
MW-3028	Manganese	4/18/2002	0.0014		0.0014	U	mg/L
MW-3028	Manganese	5/15/2002	0.0007		0.0007	U	mg/L
MW-3028	Manganese	6/6/2002	0.0014		0.0014	U	mg/L
MW-3028	Manganese	7/15/2002	0.0524		0.0007		mg/L
MW-3028	Mercury	4/1/2002	0.00055		0.0001		mg/L

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MW-3028	Mercury	4/18/2002	0.00034		0.0001		mg/L
MW-3028	Mercury	5/15/2002	0.0003		0.0001		mg/L
MW-3028	Mercury	6/6/2002	0.00019		0.0001	B	mg/L
MW-3028	Mercury	7/15/2002	0.00057		0.0001		mg/L
MW-3028	Nitrate as Nitrogen	4/1/2002	144		20		mg/L
MW-3028	Nitrate as Nitrogen	4/18/2002	147		20		mg/L
MW-3028	Nitrate as Nitrogen	5/15/2002	161		10		mg/L
MW-3028	Nitrate as Nitrogen	6/6/2002	193		10		mg/L
MW-3028	Nitrate as Nitrogen	7/15/2002	224		20	J	mg/L
MW-3028	Selenium	4/1/2002	0.0012		0.0012	U	mg/L
MW-3028	Selenium	4/18/2002	0.0022		0.0022	U	mg/L
MW-3028	Selenium	5/15/2002	0.0022		0.0022	U	mg/L
MW-3028	Selenium	6/6/2002	0.0022		0.0022	U	mg/L
MW-3028	Selenium	7/15/2002	0.0055		0.0024		mg/L
MW-3028	Silver	4/1/2002	0.0017		0.0017	U	mg/L
MW-3028	Silver	4/18/2002	0.001		0.001	U	mg/L
MW-3028	Silver	5/15/2002	0.0016		0.0016	U	mg/L
MW-3028	Silver	6/6/2002	0.001		0.001	U	mg/L
MW-3028	Silver	7/15/2002	0.0008		0.0008	U	mg/L
MW-3028	Tetrachloroethene	4/1/2002	5		5	U	ug/L
MW-3028	Tetrachloroethene	4/18/2002	1		1	U	ug/L
MW-3028	Tetrachloroethene	5/15/2002	1		1	U	ug/L
MW-3028	Tetrachloroethene	6/6/2002	1		1	U	ug/L
MW-3028	Tetrachloroethene	7/15/2002	10		10	U	ug/L
MW-3028	Total 1,2-Dichloroethene	4/1/2002	3.4		10	J	ug/L
MW-3028	Total 1,2-Dichloroethene	4/18/2002	2.6		2		ug/L
MW-3028	Total 1,2-Dichloroethene	5/15/2002	3.7		2		ug/L
MW-3028	Total 1,2-Dichloroethene	6/6/2002	3.9		2	U	ug/L
MW-3028	Total 1,2-Dichloroethene	7/15/2002	20		20	U	ug/L
MW-3028	Trichloroethene	4/1/2002	170		5		ug/L
MW-3028	Trichloroethene	4/18/2002	130		5		ug/L
MW-3028	Trichloroethene	5/15/2002	180		5		ug/L
MW-3028	Trichloroethene	6/6/2002	100		1	E	ug/L
MW-3028	Trichloroethene	7/15/2002	150		10		ug/L
MW-3028	Uranium	4/1/2002	0.6	0.065	0.68	UJ	pCi/L
MW-3028	Uranium	4/18/2002	0.57	0.057	0.68	UJ	pCi/L
MW-3028	Uranium	5/15/2002	0.63	0.063	0.68	UJ	pCi/L
MW-3028	Uranium	6/6/2002	0.677		0.677	U	pCi/L
MW-3028	Uranium	7/15/2002	0.758	0.074	0.68	J	pCi/L
MW-3028	Vinyl chloride	4/1/2002	5		5	U	ug/L
MW-3028	Vinyl chloride	4/18/2002	1		1	U	ug/L
MW-3028	Vinyl chloride	5/15/2002	1		1	U	ug/L

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MW-3028	Vinyl chloride	6/6/2002	1		1	U	ug/L
MW-3028	Vinyl chloride	7/15/2002	10		10	U	ug/L
MW-3029	Arsenic	3/27/2002	0.0012		0.0012	U	mg/L
MW-3029	Arsenic	4/18/2002	0.0024		0.0024	U	mg/L
MW-3029	Arsenic	5/13/2002	0.0024		0.0024	U	mg/L
MW-3029	Arsenic	6/5/2002	0.0024		0.0024	U	mg/L
MW-3029	Arsenic	7/9/2002	0.0019		0.0019	U	mg/L
MW-3029	Barium	3/27/2002	0.0678		0.0108	B	mg/L
MW-3029	Barium	4/18/2002	0.0764		0.0038	B	mg/L
MW-3029	Barium	5/13/2002	0.0686		0.0038	B	mg/L
MW-3029	Barium	6/5/2002	0.0798		0.0038	B	mg/L
MW-3029	Barium	7/9/2002	0.0778		0.0025	B	mg/L
MW-3029	Cadmium	3/27/2002	0.00022		0.00022	U	mg/L
MW-3029	Cadmium	4/18/2002	0.0013		0.0013	U	mg/L
MW-3029	Cadmium	5/13/2002	0.0013		0.0013	U	mg/L
MW-3029	Cadmium	6/5/2002	0.0013		0.0013	U	mg/L
MW-3029	Cadmium	7/9/2002	0.00061		0.00061	U	mg/L
MW-3029	Chromium	3/27/2002	0.00073		0.00073	U	mg/L
MW-3029	Chromium	4/18/2002	0.0013		0.0013	U	mg/L
MW-3029	Chromium	5/13/2002	0.0013		0.0013	U	mg/L
MW-3029	Chromium	6/5/2002	0.0013		0.0013	U	mg/L
MW-3029	Chromium	7/9/2002	0.001		0.001	U	mg/L
MW-3029	Lead	3/27/2002	0.00099		0.00099	U	mg/L
MW-3029	Lead	4/18/2002	0.0021		0.0021	U	mg/L
MW-3029	Lead	5/13/2002	0.0021		0.0021	U	mg/L
MW-3029	Lead	6/5/2002	0.0021		0.0021	U	mg/L
MW-3029	Lead	7/9/2002	0.0021		0.00093	B	mg/L
MW-3029	Manganese	3/27/2002	0.0023		0.0004	B	mg/L
MW-3029	Manganese	4/18/2002	0.004		0.0014	B	mg/L
MW-3029	Manganese	5/13/2002	0.0014		0.0014	U	mg/L
MW-3029	Manganese	6/5/2002	0.0021		0.0014	B	mg/L
MW-3029	Manganese	7/9/2002	0.0012		0.0007	B	mg/L
MW-3029	Mercury	3/27/2002	0.0012		0.0001		mg/L
MW-3029	Mercury	4/18/2002	0.0012		0.0001		mg/L
MW-3029	Mercury	5/13/2002	0.0012		0.0001		mg/L
MW-3029	Mercury	6/5/2002	0.0011		0.0001		mg/L
MW-3029	Mercury	7/9/2002	0.0014		0.0001		mg/L
MW-3029	Nitrate as Nitrogen	3/27/2002	207		20		mg/L
MW-3029	Nitrate as Nitrogen	4/18/2002	284		20		mg/L
MW-3029	Nitrate as Nitrogen	5/13/2002	235		10		mg/L
MW-3029	Nitrate as Nitrogen	6/5/2002	277		10		mg/L
MW-3029	Nitrate as Nitrogen	7/9/2002	235		10		mg/L

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MW-3029	Selenium	3/27/2002	0.0012		0.0012	U	mg/L
MW-3029	Selenium	4/18/2002	0.0029		0.0022	B	mg/L
MW-3029	Selenium	5/13/2002	0.0041		0.0022	B	mg/L
MW-3029	Selenium	6/5/2002	0.0052		0.0022		mg/L
MW-3029	Selenium	7/9/2002	0.0041		0.0024	B	mg/L
MW-3029	Silver	3/27/2002	0.0017		0.0017	U	mg/L
MW-3029	Silver	4/18/2002	0.001		0.001	U	mg/L
MW-3029	Silver	5/13/2002	0.001		0.001	U	mg/L
MW-3029	Silver	6/5/2002	0.001		0.001	U	mg/L
MW-3029	Silver	7/9/2002	0.0002		0.0002	U	mg/L
MW-3029	Tetrachloroethene	3/27/2002	10		10	U	ug/L
MW-3029	Tetrachloroethene	4/18/2002	1		1	U	ug/L
MW-3029	Tetrachloroethene	5/13/2002	10		10	U	ug/L
MW-3029	Tetrachloroethene	6/5/2002	10		10	U	ug/L
MW-3029	Tetrachloroethene	7/9/2002	20		20	U	ug/L
MW-3029	Total 1,2-Dichloroethene	3/27/2002	4.9		20	J	ug/L
MW-3029	Total 1,2-Dichloroethene	4/18/2002	4.1		2		ug/L
MW-3029	Total 1,2-Dichloroethene	5/13/2002	4.8		20	JB	ug/L
MW-3029	Total 1,2-Dichloroethene	6/5/2002	4.6		20	J	ug/L
MW-3029	Total 1,2-Dichloroethene	7/9/2002	40		40	U	ug/L
MW-3029	Trichloroethene	3/27/2002	240		10		ug/L
MW-3029	Trichloroethene	4/18/2002	200		10		ug/L
MW-3029	Trichloroethene	5/13/2002	210		10		ug/L
MW-3029	Trichloroethene	6/5/2002	230		10		ug/L
MW-3029	Trichloroethene	7/9/2002	250		20		ug/L
MW-3029	Uranium	3/27/2002	0.56	0.056	0.68	UJ	pCi/L
MW-3029	Uranium	4/18/2002	0.61	0.061	0.68	UJ	pCi/L
MW-3029	Uranium	5/13/2002	0.57	0.057	0.68	UJ	pCi/L
MW-3029	Uranium	6/5/2002	0.677		0.677	U	pCi/L
MW-3029	Uranium	7/9/2002	0.129	0.005	0.677	J	pCi/L
MW-3029	Vinyl chloride	3/27/2002	10		10	U	ug/L
MW-3029	Vinyl chloride	4/18/2002	1		1	U	ug/L
MW-3029	Vinyl chloride	5/13/2002	10		10	U	ug/L
MW-3029	Vinyl chloride	6/5/2002	10		10	U	ug/L
MW-3029	Vinyl chloride	7/9/2002	20		20	U	ug/L
MW-3030	Arsenic	3/28/2002	0.0012		0.0012	U	mg/L
MW-3030	Arsenic	4/23/2002	0.0024		0.0024	U	mg/L
MW-3030	Arsenic	5/15/2002	0.0024		0.0024	U	mg/L
MW-3030	Arsenic	6/6/2002	0.0024		0.0024	U	mg/L
MW-3030	Arsenic	7/10/2002	0.0019		0.0019	U	mg/L
MW-3030	Barium	3/28/2002	0.0956		0.0108	B	mg/L
MW-3030	Barium	4/23/2002	0.0974		0.0038	B	mg/L

LOCATION	ANALYTE	DATE SAMPLED	RESULT	UNCERTAINTY	DETECTION_LIMIT	LAB_QUALIFIERS	UNITS
MW-3030	Barium	5/15/2002	0.0867		0.0038	B	mg/L
MW-3030	Barium	6/6/2002	0.0915		0.0038	B	mg/L
MW-3030	Barium	7/10/2002	0.0965		0.0025	B	mg/L
MW-3030	Cadmium	3/28/2002	0.00022		0.00022	U	mg/L
MW-3030	Cadmium	4/23/2002	0.0013		0.0013	U	mg/L
MW-3030	Cadmium	5/15/2002	0.0013		0.0013	U	mg/L
MW-3030	Cadmium	6/6/2002	0.0013		0.0013	U	mg/L
MW-3030	Cadmium	7/10/2002	0.0006		0.0006	U	mg/L
MW-3030	Chromium	3/28/2002	0.00073		0.00073	U	mg/L
MW-3030	Chromium	4/23/2002	0.0013		0.0013	U	mg/L
MW-3030	Chromium	5/15/2002	0.0013		0.0013	U	mg/L
MW-3030	Chromium	6/6/2002	0.0013		0.0013	U	mg/L
MW-3030	Chromium	7/10/2002	0.001		0.001	U	mg/L
MW-3030	Lead	3/28/2002	0.00099		0.00099	U	mg/L
MW-3030	Lead	4/23/2002	0.0021		0.0021	U	mg/L
MW-3030	Lead	5/15/2002	0.0029		0.0021	B	mg/L
MW-3030	Lead	6/6/2002	0.0021		0.0021	U	mg/L
MW-3030	Lead	7/10/2002	0.00093		0.00093	U	mg/L
MW-3030	Manganese	3/28/2002	0.0969		0.0004		mg/L
MW-3030	Manganese	4/23/2002	0.0821		0.0014		mg/L
MW-3030	Manganese	5/15/2002	0.0625		0.0014		mg/L
MW-3030	Manganese	6/6/2002	0.0544		0.0014		mg/L
MW-3030	Manganese	7/10/2002	0.0539		0.0007		mg/L
MW-3030	Mercury	3/28/2002	0.0001		0.0001	U	mg/L
MW-3030	Mercury	4/23/2002	0.0001		0.0001	U	mg/L
MW-3030	Mercury	5/15/2002	0.0001		0.0001	U	mg/L
MW-3030	Mercury	6/6/2002	0.0001		0.0001	U	mg/L
MW-3030	Mercury	7/10/2002	0.0001		0.0001	U	mg/L
MW-3030	Nitrate as Nitrogen	3/28/2002	228		20		mg/L
MW-3030	Nitrate as Nitrogen	4/23/2002	255		10		mg/L
MW-3030	Nitrate as Nitrogen	5/15/2002	210		40		mg/L
MW-3030	Nitrate as Nitrogen	6/6/2002	294		20		mg/L
MW-3030	Nitrate as Nitrogen	7/10/2002	373		40		mg/L
MW-3030	Selenium	3/28/2002	0.0022		0.0012	B	mg/L
MW-3030	Selenium	4/23/2002	0.0022		0.0022	U	mg/L
MW-3030	Selenium	5/15/2002	0.0023		0.0022	B	mg/L
MW-3030	Selenium	6/6/2002	0.0031		0.0022	B	mg/L
MW-3030	Selenium	7/10/2002	0.0041		0.0024	B	mg/L
MW-3030	Silver	3/28/2002	0.0017		0.0017	U	mg/L
MW-3030	Silver	4/23/2002	0.001		0.001	U	mg/L
MW-3030	Silver	5/15/2002	0.001		0.001	U	mg/L
MW-3030	Silver	6/6/2002	0.001		0.001	U	mg/L

LOCATION	ANALYTE	DATE SAMPLED	RESULT	UNCERTAINTY	DETECTION_LIMIT	LAB_QUALIFIERS	UNITS
MW-3030	Silver	7/10/2002	0.0002		0.0002	U	mg/L
MW-3030	Tetrachloroethene	3/28/2002	10		10	U	ug/L
MW-3030	Tetrachloroethene	4/23/2002	5		5	U	ug/L
MW-3030	Tetrachloroethene	5/15/2002	10		10	U	ug/L
MW-3030	Tetrachloroethene	6/6/2002	20		20	U	ug/L
MW-3030	Tetrachloroethene	7/10/2002	10		10	U	ug/L
MW-3030	Total 1,2-Dichloroethene	3/28/2002	12		20	J	ug/L
MW-3030	Total 1,2-Dichloroethene	4/23/2002	12		10		ug/L
MW-3030	Total 1,2-Dichloroethene	5/15/2002	15		20	J	ug/L
MW-3030	Total 1,2-Dichloroethene	6/6/2002	14		40	J	ug/L
MW-3030	Total 1,2-Dichloroethene	7/10/2002	14		20	J	ug/L
MW-3030	Trichloroethene	3/28/2002	230		10		ug/L
MW-3030	Trichloroethene	4/23/2002	180		5		ug/L
MW-3030	Trichloroethene	5/15/2002	270		10		ug/L
MW-3030	Trichloroethene	6/6/2002	280		20		ug/L
MW-3030	Trichloroethene	7/10/2002	320		10		ug/L
MW-3030	Uranium	3/28/2002	54.9	6.3	0.7		pCi/L
MW-3030	Uranium	4/23/2002	54.2	6.2	0.7		pCi/L
MW-3030	Uranium	5/15/2002	54.4	6.2	1		pCi/L
MW-3030	Uranium	6/6/2002	54.2	1.13	0.677		pCi/L
MW-3030	Uranium	7/10/2002	54.8	0.673	0.677		pCi/L
MW-3030	Vinyl chloride	3/28/2002	10		10	U	ug/L
MW-3030	Vinyl chloride	4/23/2002	5		5	U	ug/L
MW-3030	Vinyl chloride	5/15/2002	10		10	U	ug/L
MW-3030	Vinyl chloride	6/6/2002	20		20	U	ug/L
MW-3030	Vinyl chloride	7/10/2002	10		10	U	ug/L
MW-3032	Arsenic	3/26/2002	0.0012		0.0012	U	mg/L
MW-3032	Arsenic	4/22/2002	0.0024		0.0024	U	mg/L
MW-3032	Arsenic	5/14/2002	0.0024		0.0024	U	mg/L
MW-3032	Arsenic	6/4/2002	0.0024		0.0024	U	mg/L
MW-3032	Arsenic	7/9/2002	0.0019		0.0019	U	mg/L
MW-3032	Barium	3/26/2002	0.0792		0.0108	B	mg/L
MW-3032	Barium	4/22/2002	0.0817		0.0038	B	mg/L
MW-3032	Barium	5/14/2002	0.0815		0.0041	B	mg/L
MW-3032	Barium	6/4/2002	0.0802		0.0038	B	mg/L
MW-3032	Barium	7/9/2002	0.0775		0.0025	B	mg/L
MW-3032	Cadmium	3/26/2002	0.00022		0.00022	U	mg/L
MW-3032	Cadmium	4/22/2002	0.0013		0.0013	U	mg/L
MW-3032	Cadmium	5/14/2002	0.0013		0.0013	U	mg/L
MW-3032	Cadmium	6/4/2002	0.0013		0.0013	U	mg/L
MW-3032	Cadmium	7/9/2002	0.00061		0.00061	U	mg/L
MW-3032	Chromium	3/26/2002	0.00073		0.00073	U	mg/L

LOCATION	ANALYTE	DATE SAMPLED	RESULT	UNCERTAINTY	DETECTION_LIMIT	LAB_QUALIFIERS	UNITS
MW-3032	Chromium	4/22/2002	0.0251		0.0013		mg/L
MW-3032	Chromium	5/14/2002	0.0013		0.0013	U	mg/L
MW-3032	Chromium	6/4/2002	0.0013		0.0013	U	mg/L
MW-3032	Chromium	7/9/2002	0.001		0.001	U	mg/L
MW-3032	Lead	3/26/2002	0.00099		0.00099	U	mg/L
MW-3032	Lead	4/22/2002	0.0021		0.0021	U	mg/L
MW-3032	Lead	5/14/2002	0.0023		0.0021	B	mg/L
MW-3032	Lead	6/4/2002	0.0021		0.0021	U	mg/L
MW-3032	Lead	7/9/2002	0.00093		0.00093	U	mg/L
MW-3032	Manganese	3/26/2002	0.0018		0.0004	B	mg/L
MW-3032	Manganese	4/22/2002	0.0042		0.0014	B	mg/L
MW-3032	Manganese	5/14/2002	0.0024		0.0007	B	mg/L
MW-3032	Manganese	6/4/2002	0.0027		0.0014	B	mg/L
MW-3032	Manganese	7/9/2002	0.0029		0.0007	B	mg/L
MW-3032	Mercury	3/26/2002	0.0001		0.0001	U	mg/L
MW-3032	Mercury	4/22/2002	0.00047		0.0001		mg/L
MW-3032	Mercury	5/14/2002	0.00031		0.0001		mg/L
MW-3032	Mercury	6/4/2002	0.00026		0.0001		mg/L
MW-3032	Mercury	7/9/2002	0.0001		0.0001	U	mg/L
MW-3032	Nitrate as Nitrogen	3/26/2002	1.1		0.1		mg/L
MW-3032	Nitrate as Nitrogen	4/22/2002	1.6		0.2		mg/L
MW-3032	Nitrate as Nitrogen	5/14/2002	1.6		0.2		mg/L
MW-3032	Nitrate as Nitrogen	6/4/2002	2.5		2		mg/L
MW-3032	Nitrate as Nitrogen	7/9/2002	1.8		0.2		mg/L
MW-3032	Selenium	3/26/2002	0.0012		0.0012	U	mg/L
MW-3032	Selenium	4/22/2002	0.0022		0.0022	U	mg/L
MW-3032	Selenium	5/14/2002	0.0022		0.0022	U	mg/L
MW-3032	Selenium	6/4/2002	0.0022		0.0022	U	mg/L
MW-3032	Selenium	7/9/2002	0.0024		0.0024	U	mg/L
MW-3032	Silver	3/26/2002	0.0017		0.0017	U	mg/L
MW-3032	Silver	4/22/2002	0.001		0.001	U	mg/L
MW-3032	Silver	5/14/2002	0.0013		0.0016	B	mg/L
MW-3032	Silver	6/4/2002	0.001		0.001	U	mg/L
MW-3032	Silver	7/9/2002	0.0002		0.0002	U	mg/L
MW-3032	Tetrachloroethene	3/26/2002	1		1	U	ug/L
MW-3032	Tetrachloroethene	4/22/2002	1		1	U	ug/L
MW-3032	Tetrachloroethene	5/14/2002	1		1	U	ug/L
MW-3032	Tetrachloroethene	6/4/2002	1		1	U	ug/L
MW-3032	Tetrachloroethene	7/9/2002	1		1	U	ug/L
MW-3032	Total 1,2-Dichloroethene	3/26/2002	2		2	U	ug/L
MW-3032	Total 1,2-Dichloroethene	4/22/2002	2		2	U	ug/L
MW-3032	Total 1,2-Dichloroethene	5/14/2002	2		2	U	ug/L

LOCATION	ANALYTE	DATE SAMPLED	RESULT	UNCERTAINTY	DETECTION_LIMIT	LAB_QUALIFIERS	UNITS
MW-3032	Total 1,2-Dichloroethene	6/4/2002	2		2	U	ug/L
MW-3032	Total 1,2-Dichloroethene	7/9/2002	2		2	U	ug/L
MW-3032	Trichloroethene	3/26/2002	1		1	U	ug/L
MW-3032	Trichloroethene	4/22/2002	1		1	U	ug/L
MW-3032	Trichloroethene	5/14/2002	1		1	U	ug/L
MW-3032	Trichloroethene	6/4/2002	1		1	U	ug/L
MW-3032	Trichloroethene	7/9/2002	1		1	U	ug/L
MW-3032	Uranium	3/26/2002	0.1	0.0007	0.68	UJ	pCi/L
MW-3032	Uranium	4/22/2002	0.04	0.004	0.68	UJ	pCi/L
MW-3032	Uranium	5/14/2002	0.07	0.0095	0.68	UJ	pCi/L
MW-3032	Uranium	6/4/2002	0.677		0.677	U	pCi/L
MW-3032	Uranium	7/9/2002	0.677		0.677	U	pCi/L
MW-3032	Vinyl chloride	3/26/2002	1		1	U	ug/L
MW-3032	Vinyl chloride	4/22/2002	1		1	U	ug/L
MW-3032	Vinyl chloride	5/14/2002	1		1	U	ug/L
MW-3032	Vinyl chloride	6/4/2002	1		1	U	ug/L
MW-3032	Vinyl chloride	7/9/2002	1		1	U	ug/L
MW-3034	Arsenic	3/26/2002	0.0012		0.0012	U	mg/L
MW-3034	Arsenic	4/22/2002	0.0024		0.0024	U	mg/L
MW-3034	Arsenic	5/14/2002	0.0024		0.0024	U	mg/L
MW-3034	Arsenic	6/4/2002	0.0024		0.0024	U	mg/L
MW-3034	Arsenic	7/9/2002	0.0019		0.0019	U	mg/L
MW-3034	Barium	3/26/2002	0.183		0.0108	B	mg/L
MW-3034	Barium	4/22/2002	0.184		0.0038	B	mg/L
MW-3034	Barium	5/14/2002	0.168		0.0038	B	mg/L
MW-3034	Barium	6/4/2002	0.168		0.0038	B	mg/L
MW-3034	Barium	7/9/2002	0.152		0.0025	B	mg/L
MW-3034	Cadmium	3/26/2002	0.00022		0.00022	U	mg/L
MW-3034	Cadmium	4/22/2002	0.0013		0.0013	U	mg/L
MW-3034	Cadmium	5/14/2002	0.0013		0.0013	U	mg/L
MW-3034	Cadmium	6/4/2002	0.0013		0.0013	U	mg/L
MW-3034	Cadmium	7/9/2002	0.00061		0.00061	U	mg/L
MW-3034	Chromium	3/26/2002	0.00073		0.00073	U	mg/L
MW-3034	Chromium	4/22/2002	0.0394		0.0013		mg/L
MW-3034	Chromium	5/14/2002	0.126		0.0013		mg/L
MW-3034	Chromium	6/4/2002	0.136		0.0013		mg/L
MW-3034	Chromium	7/9/2002	0.145		0.001		mg/L
MW-3034	Lead	3/26/2002	0.00099		0.00099	U	mg/L
MW-3034	Lead	4/22/2002	0.0021		0.0021	U	mg/L
MW-3034	Lead	5/14/2002	0.0021		0.0021	U	mg/L
MW-3034	Lead	6/4/2002	0.0021		0.0021	U	mg/L
MW-3034	Lead	7/9/2002	0.0015		0.00093	B	mg/L

LOCATION	ANALYTE	DATE SAMPLED	RESULT	UNCERTAINTY	DETECTION_LIMIT	LAB_QUALIFIERS	UNITS
MW-3034	Manganese	3/26/2002	0.0731		0.0004		mg/L
MW-3034	Manganese	4/22/2002	3.48		0.0014		mg/L
MW-3034	Manganese	5/14/2002	23.2		0.0014		mg/L
MW-3034	Manganese	6/4/2002	21.5		0.0014		mg/L
MW-3034	Manganese	7/9/2002	14.2		0.0007		mg/L
MW-3034	Mercury	3/26/2002	0.00065		0.0001		mg/L
MW-3034	Mercury	4/22/2002	0.0023		0.0001		mg/L
MW-3034	Mercury	5/14/2002	0.0062		0.0001		mg/L
MW-3034	Mercury	6/4/2002	0.0067		0.0001		mg/L
MW-3034	Mercury	7/9/2002	0.0103		0.0002		mg/L
MW-3034	Nitrate as Nitrogen	3/26/2002	605		50		mg/L
MW-3034	Nitrate as Nitrogen	4/22/2002	510		40		mg/L
MW-3034	Nitrate as Nitrogen	5/14/2002	531		20		mg/L
MW-3034	Nitrate as Nitrogen	6/4/2002	657		20		mg/L
MW-3034	Nitrate as Nitrogen	7/9/2002	495		20		mg/L
MW-3034	Selenium	3/26/2002	0.0063		0.0012		mg/L
MW-3034	Selenium	4/22/2002	0.0076		0.0022		mg/L
MW-3034	Selenium	5/14/2002	0.0048		0.0022	B	mg/L
MW-3034	Selenium	6/4/2002	0.0042		0.0022	B	mg/L
MW-3034	Selenium	7/9/2002	0.0057		0.0001		mg/L
MW-3034	Silver	3/26/2002	0.0017		0.0017	U	mg/L
MW-3034	Silver	4/22/2002	0.0012		0.001	B	mg/L
MW-3034	Silver	5/14/2002	0.0036		0.001	B	mg/L
MW-3034	Silver	6/4/2002	0.0036		0.001	B	mg/L
MW-3034	Silver	7/9/2002	0.0028		0.0024	B	mg/L
MW-3034	Tetrachloroethene	3/26/2002	25		25	U	ug/L
MW-3034	Tetrachloroethene	4/22/2002	1		1	U	ug/L
MW-3034	Tetrachloroethene	5/14/2002	1		1	U	ug/L
MW-3034	Tetrachloroethene	6/4/2002	1		1	U	ug/L
MW-3034	Tetrachloroethene	7/9/2002	1		1	U	ug/L
MW-3034	Total 1,2-Dichloroethene	3/26/2002	15		50	J	ug/L
MW-3034	Total 1,2-Dichloroethene	4/22/2002	2		2	U	ug/L
MW-3034	Total 1,2-Dichloroethene	5/14/2002	2		2	U	ug/L
MW-3034	Total 1,2-Dichloroethene	6/4/2002	2		2	U	ug/L
MW-3034	Total 1,2-Dichloroethene	7/9/2002	2		2	U	ug/L
MW-3034	Trichloroethene	3/26/2002	580		25		ug/L
MW-3034	Trichloroethene	4/22/2002	1		1	U	ug/L
MW-3034	Trichloroethene	5/14/2002	1		1	U	ug/L
MW-3034	Trichloroethene	6/4/2002	1		1	U	ug/L
MW-3034	Trichloroethene	7/9/2002	1		1	U	ug/L
MW-3034	Uranium	3/26/2002	2.07	0.21	0.68		pCi/L
MW-3034	Uranium	4/22/2002	1.66	0.17	0.68		pCi/L

LOCATION	ANALYTE	DATE SAMPLED	RESULT	UNCERTAINTY	DETECTION_LIMIT	LAB_QUALIFIERS	UNITS
MW-3034	Uranium	5/14/2002	0.67	0.067	0.68	UJ	pCi/L
MW-3034	Uranium	6/4/2002	1.59	0.272	0.677		pCi/L
MW-3034	Uranium	7/9/2002	1.31	0.028	0.677		pCi/L
MW-3034	Vinyl chloride	3/26/2002	25		25	U	ug/L
MW-3034	Vinyl chloride	4/22/2002	1		1	U	ug/L
MW-3034	Vinyl chloride	5/14/2002	1		1	U	ug/L
MW-3034	Vinyl chloride	6/4/2002	1		1	U	ug/L
MW-3034	Vinyl chloride	7/9/2002	1		1	U	ug/L
MW-3035	Arsenic	3/27/2002	0.0012		0.0012	U	mg/L
MW-3035	Arsenic	4/22/2002	0.0024		0.0024	U	mg/L
MW-3035	Arsenic	5/14/2002	0.0024		0.0024	U	mg/L
MW-3035	Arsenic	6/4/2002	0.0024		0.0024	U	mg/L
MW-3035	Arsenic	7/8/2002	0.0019		0.0019	U	mg/L
MW-3035	Barium	3/27/2002	0.0559		0.0108	B	mg/L
MW-3035	Barium	4/22/2002	0.0596		0.0038	B	mg/L
MW-3035	Barium	5/14/2002	0.0594		0.0038	B	mg/L
MW-3035	Barium	6/4/2002	0.0655		0.0038	B	mg/L
MW-3035	Barium	7/8/2002	0.0658		0.0025	B	mg/L
MW-3035	Cadmium	3/27/2002	0.00022		0.00022	U	mg/L
MW-3035	Cadmium	4/22/2002	0.0013		0.0013	U	mg/L
MW-3035	Cadmium	5/14/2002	0.0013		0.0013	U	mg/L
MW-3035	Cadmium	6/4/2002	0.0013		0.0013	U	mg/L
MW-3035	Cadmium	7/8/2002	0.00061		0.00061	U	mg/L
MW-3035	Chromium	3/27/2002	0.00073		0.00073	U	mg/L
MW-3035	Chromium	4/22/2002	0.0013		0.0013	U	mg/L
MW-3035	Chromium	5/14/2002	0.0021		0.0013	B	mg/L
MW-3035	Chromium	6/4/2002	0.0034		0.0013	B	mg/L
MW-3035	Chromium	7/8/2002	0.0024		0.001	B	mg/L
MW-3035	Lead	3/27/2002	0.00099		0.00099	U	mg/L
MW-3035	Lead	4/22/2002	0.0021		0.0021	U	mg/L
MW-3035	Lead	5/14/2002	0.0026		0.0021	B	mg/L
MW-3035	Lead	6/4/2002	0.0025		0.0021	B	mg/L
MW-3035	Lead	7/8/2002	0.0014		0.00093	B	mg/L
MW-3035	Manganese	3/27/2002	0.004		0.0004	B	mg/L
MW-3035	Manganese	4/22/2002	0.0054		0.0014	B	mg/L
MW-3035	Manganese	5/14/2002	0.0085		0.0014	B	mg/L
MW-3035	Manganese	6/4/2002	0.0054		0.0014	B	mg/L
MW-3035	Manganese	7/8/2002	0.0042		0.0007	B	mg/L
MW-3035	Mercury	3/27/2002	0.0001		0.0001	U	mg/L
MW-3035	Mercury	4/22/2002	0.0001		0.0001	U	mg/L
MW-3035	Mercury	5/14/2002	0.0001		0.0001	U	mg/L
MW-3035	Mercury	6/4/2002	0.0001		0.0001	U	mg/L

LOCATION	ANALYTE	DATE SAMPLED	RESULT	UNCERTAINTY	DETECTION_LIMIT	LAB_QUALIFIERS	UNITS
MW-3035	Mercury	7/8/2002	0.0001		0.0001	U	mg/L
MW-3035	Nitrate as Nitrogen	3/27/2002	45.3		20		mg/L
MW-3035	Nitrate as Nitrogen	4/22/2002	60.5		20		mg/L
MW-3035	Nitrate as Nitrogen	5/14/2002	67.1		10		mg/L
MW-3035	Nitrate as Nitrogen	6/4/2002	66.2		10		mg/L
MW-3035	Nitrate as Nitrogen	7/8/2002	62.9		20		mg/L
MW-3035	Selenium	3/27/2002	0.0012		0.0012	U	mg/L
MW-3035	Selenium	4/22/2002	0.0022		0.0022	U	mg/L
MW-3035	Selenium	5/14/2002	0.0022		0.0022	U	mg/L
MW-3035	Selenium	6/4/2002	0.0033		0.0022	B	mg/L
MW-3035	Selenium	7/8/2002	0.0024		0.0024	U	mg/L
MW-3035	Silver	3/27/2002	0.0017		0.0017	U	mg/L
MW-3035	Silver	4/22/2002	0.001		0.001	U	mg/L
MW-3035	Silver	5/14/2002	0.0011		0.001	B	mg/L
MW-3035	Silver	6/4/2002	0.0256		0.001		mg/L
MW-3035	Silver	7/8/2002	0.0002		0.0002	U	mg/L
MW-3035	Tetrachloroethene	3/27/2002	2		2	U	ug/L
MW-3035	Tetrachloroethene	4/22/2002	2		2	U	ug/L
MW-3035	Tetrachloroethene	5/14/2002	2		2	U	ug/L
MW-3035	Tetrachloroethene	6/4/2002	1		1	U	ug/L
MW-3035	Tetrachloroethene	7/8/2002	2		2	U	ug/L
MW-3035	Total 1,2-Dichloroethene	3/27/2002	1.1		4	J	ug/L
MW-3035	Total 1,2-Dichloroethene	4/22/2002	1		4	J	ug/L
MW-3035	Total 1,2-Dichloroethene	5/14/2002	1.1		4	JB	ug/L
MW-3035	Total 1,2-Dichloroethene	6/4/2002	1.1		2	J	ug/L
MW-3035	Total 1,2-Dichloroethene	7/8/2002	1.1		4	J	ug/L
MW-3035	Trichloroethene	3/27/2002	63		2		ug/L
MW-3035	Trichloroethene	4/22/2002	58		2		ug/L
MW-3035	Trichloroethene	5/14/2002	61		2		ug/L
MW-3035	Trichloroethene	6/4/2002	57		2		ug/L
MW-3035	Trichloroethene	7/8/2002	69		2		ug/L
MW-3035	Uranium	3/27/2002	0.61	0.062	0.68	UJ	pCi/L
MW-3035	Uranium	4/22/2002	0.53	0.053	0.68	UJ	pCi/L
MW-3035	Uranium	5/14/2002	0.6	0.06	0.68	UJ	pCi/L
MW-3035	Uranium	6/4/2002	0.677		0.677	U	pCi/L
MW-3035	Uranium	7/8/2002	0.192	0.007	0.677	J	pCi/L
MW-3035	Vinyl chloride	3/27/2002	2		2	U	ug/L
MW-3035	Vinyl chloride	4/22/2002	2		2	U	ug/L
MW-3035	Vinyl chloride	5/14/2002	2		2	U	ug/L
MW-3035	Vinyl chloride	6/4/2002	1		1	U	ug/L
MW-3035	Vinyl chloride	7/8/2002	2		2	U	ug/L
MW-3036	Arsenic	3/27/2002	0.0012		0.0012	U	mg/L

LOCATION	ANALYTE	DATE SAMPLED	RESULT	UNCERTAINTY	DETECTION_LIMIT	LAB_QUALIFIERS	UNITS
MW-3036	Arsenic	4/18/2002	0.0024		0.0024	U	mg/L
MW-3036	Arsenic	5/14/2002	0.0024		0.0024	U	mg/L
MW-3036	Arsenic	6/4/2002	0.0024		0.0024	U	mg/L
MW-3036	Arsenic	7/9/2002	0.0019		0.0019	U	mg/L
MW-3036	Barium	3/27/2002	0.313		0.0108		mg/L
MW-3036	Barium	4/18/2002	0.331		0.0038		mg/L
MW-3036	Barium	5/14/2002	0.306		0.0041		mg/L
MW-3036	Barium	6/4/2002	0.277		0.0038		mg/L
MW-3036	Barium	7/9/2002	0.288		0.0025		mg/L
MW-3036	Cadmium	3/27/2002	0.00022		0.00022	U	mg/L
MW-3036	Cadmium	4/18/2002	0.0013		0.0013	U	mg/L
MW-3036	Cadmium	5/14/2002	0.0013		0.0013	U	mg/L
MW-3036	Cadmium	6/4/2002	0.0013		0.0013	U	mg/L
MW-3036	Cadmium	7/9/2002	0.00075		0.00061	B	mg/L
MW-3036	Chromium	3/27/2002	0.00073		0.00073	U	mg/L
MW-3036	Chromium	4/18/2002	0.0016		0.0013	B	mg/L
MW-3036	Chromium	5/14/2002	0.0013		0.0013	U	mg/L
MW-3036	Chromium	6/4/2002	0.0013		0.0013	U	mg/L
MW-3036	Chromium	7/9/2002	0.0013		0.001	B	mg/L
MW-3036	Lead	3/27/2002	0.00099		0.00099	U	mg/L
MW-3036	Lead	4/18/2002	0.0021		0.0021	U	mg/L
MW-3036	Lead	5/14/2002	0.0021		0.0021	U	mg/L
MW-3036	Lead	6/4/2002	0.0021		0.0021	U	mg/L
MW-3036	Lead	7/9/2002	0.00093		0.00093	U	mg/L
MW-3036	Manganese	3/27/2002	0.007		0.0004	B	mg/L
MW-3036	Manganese	4/18/2002	0.0098		0.0014	B	mg/L
MW-3036	Manganese	5/14/2002	0.0126		0.0007	B	mg/L
MW-3036	Manganese	6/4/2002	0.0102		0.0014	B	mg/L
MW-3036	Manganese	7/9/2002	0.0099		0.0007	B	mg/L
MW-3036	Mercury	3/27/2002	0.0001		0.0001	U	mg/L
MW-3036	Mercury	4/18/2002	0.0001		0.0001	U	mg/L
MW-3036	Mercury	5/14/2002	0.0001		0.0001	U	mg/L
MW-3036	Mercury	6/4/2002	0.0001		0.0001	U	mg/L
MW-3036	Mercury	7/9/2002	0.0001		0.0001	U	mg/L
MW-3036	Nitrate as Nitrogen	3/27/2002	84.8		20		mg/L
MW-3036	Nitrate as Nitrogen	4/18/2002	79.6		10		mg/L
MW-3036	Nitrate as Nitrogen	5/14/2002	68.4		20		mg/L
MW-3036	Nitrate as Nitrogen	6/4/2002	89.1		40		mg/L
MW-3036	Nitrate as Nitrogen	7/9/2002	83.2		20		mg/L
MW-3036	Selenium	3/27/2002	0.0012		0.0012	U	mg/L
MW-3036	Selenium	4/18/2002	0.0022		0.0022	U	mg/L
MW-3036	Selenium	5/14/2002	0.004		0.0022	B	mg/L

LOCATION	ANALYTE	DATE SAMPLED	RESULT	UNCERTAINTY	DETECTION_LIMIT	LAB_QUALIFIERS	UNITS
MW-3036	Selenium	6/4/2002	0.003		0.0022	B	mg/L
MW-3036	Selenium	7/9/2002	0.0032		0.0024	B	mg/L
MW-3036	Silver	3/27/2002	0.0017		0.0017	U	mg/L
MW-3036	Silver	4/18/2002	0.001		0.001	U	mg/L
MW-3036	Silver	5/14/2002	0.0016		0.0016	U	mg/L
MW-3036	Silver	6/4/2002	0.001		0.001	U	mg/L
MW-3036	Silver	7/9/2002	0.0002		0.0002	U	mg/L
MW-3036	Tetrachloroethene	3/27/2002	1		1	U	ug/L
MW-3036	Tetrachloroethene	4/18/2002	1		1	U	ug/L
MW-3036	Tetrachloroethene	5/14/2002	1		1	U	ug/L
MW-3036	Tetrachloroethene	6/4/2002	1		1	U	ug/L
MW-3036	Tetrachloroethene	7/9/2002	1		1	U	ug/L
MW-3036	Total 1,2-Dichloroethene	3/27/2002	2		2	U	ug/L
MW-3036	Total 1,2-Dichloroethene	4/18/2002	2		2	U	ug/L
MW-3036	Total 1,2-Dichloroethene	5/14/2002	2		2	U	ug/L
MW-3036	Total 1,2-Dichloroethene	6/4/2002	2		2	U	ug/L
MW-3036	Total 1,2-Dichloroethene	7/9/2002	2		2	U	ug/L
MW-3036	Trichloroethene	3/27/2002	8.3		1		ug/L
MW-3036	Trichloroethene	4/18/2002	6.8		1		ug/L
MW-3036	Trichloroethene	5/14/2002	6.9		1		ug/L
MW-3036	Trichloroethene	6/4/2002	6.9		1		ug/L
MW-3036	Trichloroethene	7/9/2002	6.8		1		ug/L
MW-3036	Uranium	3/27/2002	1.04	0.1	0.68		pCi/L
MW-3036	Uranium	4/18/2002	1.12	0.11	0.68		pCi/L
MW-3036	Uranium	5/14/2002	1.15	0.12	0.68		pCi/L
MW-3036	Uranium	6/4/2002	0.677		0.677	U	pCi/L
MW-3036	Uranium	7/9/2002	0.704	0.016	0.677		pCi/L
MW-3036	Vinyl chloride	3/27/2002	1		1	U	ug/L
MW-3036	Vinyl chloride	4/18/2002	1		1	U	ug/L
MW-3036	Vinyl chloride	5/14/2002	1		1	U	ug/L
MW-3036	Vinyl chloride	6/4/2002	1		1	U	ug/L
MW-3036	Vinyl chloride	7/9/2002	1		1	U	ug/L
MW-3038	Arsenic	3/28/2002	0.0012		0.0012	U	mg/L
MW-3038	Arsenic	4/22/2002	0.0024		0.0024	U	mg/L
MW-3038	Arsenic	5/14/2002	0.0024		0.0024	U	mg/L
MW-3038	Arsenic	6/10/2002	0.0024		0.0024	U	mg/L
MW-3038	Arsenic	7/10/2002	0.0019		0.0019	U	mg/L
MW-3038	Barium	3/28/2002	0.179		0.0108	B	mg/L
MW-3038	Barium	4/22/2002	0.189		0.0038	B	mg/L
MW-3038	Barium	5/14/2002	0.18		0.0041	B	mg/L
MW-3038	Barium	6/10/2002	0.179		0.0041	B	mg/L
MW-3038	Barium	7/10/2002	0.185		0.0025	B	mg/L

LOCATION	ANALYTE	DATE SAMPLED	RESULT	UNCERTAINTY	DETECTION_LIMIT	LAB_QUALIFIERS	UNITS
MW-3038	Cadmium	3/28/2002	0.00022		0.00022	U	mg/L
MW-3038	Cadmium	4/22/2002	0.0013		0.0013	U	mg/L
MW-3038	Cadmium	5/14/2002	0.0013		0.0013	U	mg/L
MW-3038	Cadmium	6/10/2002	0.0013		0.0013	U	mg/L
MW-3038	Cadmium	7/10/2002	0.0006		0.0006	U	mg/L
MW-3038	Chromium	3/28/2002	0.00073		0.00073	U	mg/L
MW-3038	Chromium	4/22/2002	0.0228		0.0013		mg/L
MW-3038	Chromium	5/14/2002	0.0013		0.0013	U	mg/L
MW-3038	Chromium	6/10/2002	0.0017		0.0013	B	mg/L
MW-3038	Chromium	7/10/2002	0.001		0.001	U	mg/L
MW-3038	Lead	3/28/2002	0.00099		0.00099	U	mg/L
MW-3038	Lead	4/22/2002	0.0021		0.0021	U	mg/L
MW-3038	Lead	5/14/2002	0.0021		0.0021	U	mg/L
MW-3038	Lead	6/10/2002	0.0021		0.0021	U	mg/L
MW-3038	Lead	7/10/2002	0.00093		0.00093	U	mg/L
MW-3038	Manganese	3/28/2002	0.0004		0.0004	U	mg/L
MW-3038	Manganese	4/22/2002	0.0014		0.0014	U	mg/L
MW-3038	Manganese	5/14/2002	0.0007		0.0007	U	mg/L
MW-3038	Manganese	6/10/2002	0.0007		0.0007	U	mg/L
MW-3038	Manganese	7/10/2002	0.0008		0.0007	B	mg/L
MW-3038	Mercury	3/28/2002	0.0001		0.0001	U	mg/L
MW-3038	Mercury	4/22/2002	0.0001		0.0001	U	mg/L
MW-3038	Mercury	5/14/2002	0.0001		0.0001	U	mg/L
MW-3038	Mercury	6/10/2002	0.0001		0.0001	U	mg/L
MW-3038	Mercury	7/10/2002	0.0001		0.0001	U	mg/L
MW-3038	Nitrate as Nitrogen	3/28/2002	8.2		2		mg/L
MW-3038	Nitrate as Nitrogen	4/22/2002	9.4		0.4		mg/L
MW-3038	Nitrate as Nitrogen	5/14/2002	7.2		2		mg/L
MW-3038	Nitrate as Nitrogen	6/10/2002	7.4		2		mg/L
MW-3038	Nitrate as Nitrogen	7/10/2002	87.7		2		mg/L
MW-3038	Selenium	3/28/2002	0.0012		0.0012	U	mg/L
MW-3038	Selenium	4/22/2002	0.0022		0.0022	U	mg/L
MW-3038	Selenium	5/14/2002	0.0022		0.0022	U	mg/L
MW-3038	Selenium	6/10/2002	0.0022		0.0022	U	mg/L
MW-3038	Selenium	7/10/2002	0.0024		0.0024	U	mg/L
MW-3038	Silver	3/28/2002	0.0017		0.0017	U	mg/L
MW-3038	Silver	4/22/2002	0.001		0.001	U	mg/L
MW-3038	Silver	5/14/2002	0.0017		0.0016	B	mg/L
MW-3038	Silver	6/10/2002	0.0016		0.0016	U	mg/L
MW-3038	Silver	7/10/2002	0.0002		0.0002	U	mg/L
MW-3038	Tetrachloroethene	3/28/2002	1.1		1		ug/L
MW-3038	Tetrachloroethene	4/22/2002	1.1		1		ug/L

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MW-3038	Tetrachloroethene	5/14/2002	1.2		1		ug/L
MW-3038	Tetrachloroethene	6/10/2002	0.99		1	J	ug/L
MW-3038	Tetrachloroethene	7/10/2002	0.87		1	J	ug/L
MW-3038	Total 1,2-Dichloroethene	3/28/2002	2		2	U	ug/L
MW-3038	Total 1,2-Dichloroethene	4/22/2002	2		2	U	ug/L
MW-3038	Total 1,2-Dichloroethene	5/14/2002	2		2	U	ug/L
MW-3038	Total 1,2-Dichloroethene	6/10/2002	2		2	U	ug/L
MW-3038	Total 1,2-Dichloroethene	7/10/2002	2		2	U	ug/L
MW-3038	Trichloroethene	3/28/2002	1		1	U	ug/L
MW-3038	Trichloroethene	4/22/2002	1		1	U	ug/L
MW-3038	Trichloroethene	5/14/2002	1		1	U	ug/L
MW-3038	Trichloroethene	6/10/2002	1		1	U	ug/L
MW-3038	Trichloroethene	7/10/2002	1		1	U	ug/L
MW-3038	Uranium	3/28/2002	1.76	0.18	0.68		pCi/L
MW-3038	Uranium	4/22/2002	1.55	0.16	0.68		pCi/L
MW-3038	Uranium	5/14/2002	1.42	0.14	0.68		pCi/L
MW-3038	Uranium	6/10/2002	0.677		0.677	U	pCi/L
MW-3038	Uranium	7/10/2002	1.2	0.022	0.677		pCi/L
MW-3038	Vinyl chloride	3/28/2002	1		1	U	ug/L
MW-3038	Vinyl chloride	4/22/2002	1		1	U	ug/L
MW-3038	Vinyl chloride	5/14/2002	1		1	U	ug/L
MW-3038	Vinyl chloride	6/10/2002	1		1	U	ug/L
MW-3038	Vinyl chloride	7/10/2002	1		1	U	ug/L
MW-3039	Arsenic	3/28/2002	0.0012		0.0012	U	mg/L
MW-3039	Arsenic	6/10/2002	0.0024		0.0024	U	mg/L
MW-3039	Arsenic	7/11/2002	0.0019		0.0019	U	mg/L
MW-3039	Barium	3/28/2002	0.138		0.0108	B	mg/L
MW-3039	Barium	6/10/2002	0.146		0.0041	B	mg/L
MW-3039	Barium	7/11/2002	0.154		0.0025	B	mg/L
MW-3039	Cadmium	3/28/2002	0.00022		0.00022	U	mg/L
MW-3039	Cadmium	6/10/2002	0.0013		0.0013	U	mg/L
MW-3039	Cadmium	7/11/2002	0.0006		0.0006	U	mg/L
MW-3039	Chromium	3/28/2002	0.00073		0.00073	U	mg/L
MW-3039	Chromium	6/10/2002	0.0013		0.0013	U	mg/L
MW-3039	Chromium	7/11/2002	0.00099		0.001	B	mg/L
MW-3039	Lead	3/28/2002	0.00099		0.00099	U	mg/L
MW-3039	Lead	6/10/2002	0.0021		0.0021	U	mg/L
MW-3039	Lead	7/11/2002	0.0014		0.00093	B	mg/L
MW-3039	Manganese	3/28/2002	0.0289		0.0004		mg/L
MW-3039	Manganese	6/10/2002	0.0254		0.0007		mg/L
MW-3039	Manganese	7/11/2002	0.02		0.0007		mg/L
MW-3039	Mercury	3/28/2002	0.0011		0.0001		mg/L

LOCATION	ANALYTE	DATE SAMPLED	RESULT	UNCERTAINTY	DETECTION_LIMIT	LAB_QUALIFIERS	UNITS
MW-3039	Mercury	6/10/2002	0.0017		0.0001		mg/L
MW-3039	Mercury	7/11/2002	0.00076		0.0001		mg/L
MW-3039	Nitrate as Nitrogen	3/28/2002	572		50		mg/L
MW-3039	Nitrate as Nitrogen	6/10/2002	608		40		mg/L
MW-3039	Nitrate as Nitrogen	7/11/2002	670		80		mg/L
MW-3039	Selenium	3/28/2002	0.0064		0.0012		mg/L
MW-3039	Selenium	6/10/2002	0.0093		0.0022		mg/L
MW-3039	Selenium	7/11/2002	0.0094		0.0024		mg/L
MW-3039	Silver	3/28/2002	0.0017		0.0017	U	mg/L
MW-3039	Silver	6/10/2002	0.0016		0.0016	U	mg/L
MW-3039	Silver	7/11/2002	0.0002		0.0002	U	mg/L
MW-3039	Tetrachloroethene	3/28/2002	5		5	U	ug/L
MW-3039	Tetrachloroethene	6/10/2002	1.7		1		ug/L
MW-3039	Tetrachloroethene	7/11/2002	100		100	U	ug/L
MW-3039	Total 1,2-Dichloroethene	3/28/2002	5.4		10	J	ug/L
MW-3039	Total 1,2-Dichloroethene	6/10/2002	6.8		2		ug/L
MW-3039	Total 1,2-Dichloroethene	7/11/2002	5.4		200	J	ug/L
MW-3039	Trichloroethene	3/28/2002	97		5		ug/L
MW-3039	Trichloroethene	6/10/2002	110		5		ug/L
MW-3039	Trichloroethene	7/11/2002	140		100		ug/L
MW-3039	Uranium	3/28/2002	1.07	0.11	0.68		pCi/L
MW-3039	Uranium	6/10/2002	0.677		0.677	U	pCi/L
MW-3039	Uranium	7/11/2002	1	0.016	0.677		pCi/L
MW-3039	Vinyl chloride	3/28/2002	5		5	U	ug/L
MW-3039	Vinyl chloride	6/10/2002	1		1	U	ug/L
MW-3039	Vinyl chloride	7/11/2002	100		100	U	ug/L
MW-4001	Arsenic	3/27/2002	0.0012		0.0012	U	mg/L
MW-4001	Arsenic	6/11/2002	0.0024		0.0024	U	mg/L
MW-4001	Arsenic	7/10/2002	0.0019		0.0019	U	mg/L
MW-4001	Barium	3/27/2002	0.0958		0.0108	B	mg/L
MW-4001	Barium	6/11/2002	0.0983		0.0041	B	mg/L
MW-4001	Barium	7/10/2002	0.095		0.0025	B	mg/L
MW-4001	Cadmium	3/27/2002	0.00022		0.00022	U	mg/L
MW-4001	Cadmium	6/11/2002	0.0013		0.0013	U	mg/L
MW-4001	Cadmium	7/10/2002	0.0006		0.0006	U	mg/L
MW-4001	Chromium	3/27/2002	0.00073		0.00073	U	mg/L
MW-4001	Chromium	6/11/2002	0.0013		0.0013	U	mg/L
MW-4001	Chromium	7/10/2002	0.001		0.001	U	mg/L
MW-4001	Lead	3/27/2002	0.00099		0.00099	U	mg/L
MW-4001	Lead	6/11/2002	0.0021		0.0021	U	mg/L
MW-4001	Lead	7/10/2002	0.0029		0.00093	B	mg/L
MW-4001	Manganese	3/27/2002	0.0004		0.0004	U	mg/L

LOCATION	ANALYTE	DATE SAMPLED	RESULT	UNCERTAINTY	DETECTION_LIMIT	LAB_QUALIFIERS	UNITS
MW-4001	Manganese	6/11/2002	0.0007		0.0007	U	mg/L
MW-4001	Manganese	7/10/2002	0.0007		0.0007	U	mg/L
MW-4001	Mercury	3/27/2002	0.0001		0.0001	U	mg/L
MW-4001	Mercury	6/11/2002	0.0001		0.0001	U	mg/L
MW-4001	Mercury	7/10/2002	0.0001		0.0001	U	mg/L
MW-4001	Nitrate as Nitrogen	3/27/2002	54.9		20		mg/L
MW-4001	Nitrate as Nitrogen	4/16/2002	64.8		20		mg/L
MW-4001	Nitrate as Nitrogen	6/11/2002	70		20		mg/L
MW-4001	Nitrate as Nitrogen	7/10/2002	62.2		20		mg/L
MW-4001	Selenium	3/27/2002	0.0012		0.0012	U	mg/L
MW-4001	Selenium	6/11/2002	0.0022		0.0022	U	mg/L
MW-4001	Selenium	7/10/2002	0.0024		0.0024	U	mg/L
MW-4001	Silver	3/27/2002	0.0017		0.0017	U	mg/L
MW-4001	Silver	6/11/2002	0.0016		0.0016	U	mg/L
MW-4001	Silver	7/10/2002	0.0002		0.0002	U	mg/L
MW-4001	Tetrachloroethene	3/27/2002	1		1	U	ug/L
MW-4001	Tetrachloroethene	4/16/2002	1		1	U	ug/L
MW-4001	Tetrachloroethene	6/11/2002	1		1	U	ug/L
MW-4001	Tetrachloroethene	7/10/2002	1		1	U	ug/L
MW-4001	Total 1,2-Dichloroethene	3/27/2002	2		2	U	ug/L
MW-4001	Total 1,2-Dichloroethene	4/16/2002	2		2	U	ug/L
MW-4001	Total 1,2-Dichloroethene	6/11/2002	2		2	U	ug/L
MW-4001	Total 1,2-Dichloroethene	7/10/2002	2		2	U	ug/L
MW-4001	Trichloroethene	3/27/2002	6.3		1		ug/L
MW-4001	Trichloroethene	4/16/2002	6.1		1		ug/L
MW-4001	Trichloroethene	6/11/2002	7.2		1		ug/L
MW-4001	Trichloroethene	7/10/2002	6.4		1		ug/L
MW-4001	Uranium	3/27/2002	0.27	0.027	0.68	UJ	pCi/L
MW-4001	Uranium	6/11/2002	0.677		0.677	U	pCi/L
MW-4001	Uranium	7/10/2002	1.08	0.023	0.677		pCi/L
MW-4001	Vinyl chloride	3/27/2002	1		1	U	ug/L
MW-4001	Vinyl chloride	4/16/2002	1		1	U	ug/L
MW-4001	Vinyl chloride	6/11/2002	1		1	U	ug/L
MW-4001	Vinyl chloride	7/10/2002	1		1	U	ug/L
MW-4027	Arsenic	3/27/2002	0.0012		0.0012	U	mg/L
MW-4027	Arsenic	4/17/2002	0.0024		0.0024	U	mg/L
MW-4027	Arsenic	5/13/2002	0.0024		0.0024	U	mg/L
MW-4027	Arsenic	6/6/2002	0.0024		0.0024	U	mg/L
MW-4027	Arsenic	7/9/2002	0.0019		0.0019	U	mg/L
MW-4027	Barium	3/27/2002	0.435		0.0108		mg/L
MW-4027	Barium	4/17/2002	0.486		0.0038		mg/L
MW-4027	Barium	5/13/2002	0.437		0.0038		mg/L

LOCATION	ANALYTE	DATE SAMPLED	RESULT	UNCERTAINTY	DETECTION_LIMIT	LAB_QUALIFIERS	UNITS
MW-4027	Barium	6/6/2002	0.348		0.0038		mg/L
MW-4027	Barium	7/9/2002	0.366		0.0025		mg/L
MW-4027	Cadmium	3/27/2002	0.00022		0.00022	U	mg/L
MW-4027	Cadmium	4/17/2002	0.0013		0.0013	U	mg/L
MW-4027	Cadmium	5/13/2002	0.0013		0.0013	U	mg/L
MW-4027	Cadmium	6/6/2002	0.0013		0.0013	U	mg/L
MW-4027	Cadmium	7/9/2002	0.00061		0.00061	U	mg/L
MW-4027	Chromium	3/27/2002	0.00073		0.00073	U	mg/L
MW-4027	Chromium	4/17/2002	0.0013		0.0013	U	mg/L
MW-4027	Chromium	5/13/2002	0.0013		0.0013	U	mg/L
MW-4027	Chromium	6/6/2002	0.0021		0.0013	B	mg/L
MW-4027	Chromium	7/9/2002	0.0011		0.001	B	mg/L
MW-4027	Lead	3/27/2002	0.00099		0.00099	U	mg/L
MW-4027	Lead	4/17/2002	0.0021		0.0021	U	mg/L
MW-4027	Lead	5/13/2002	0.0021		0.0021	U	mg/L
MW-4027	Lead	6/6/2002	0.0021		0.0021	U	mg/L
MW-4027	Lead	7/9/2002	0.00093		0.00093	U	mg/L
MW-4027	Manganese	3/27/2002	0.0004		0.0004	U	mg/L
MW-4027	Manganese	4/17/2002	0.0014		0.0014	U	mg/L
MW-4027	Manganese	5/13/2002	0.0014		0.0014	U	mg/L
MW-4027	Manganese	6/6/2002	0.0014		0.0014	B	mg/L
MW-4027	Manganese	7/9/2002	0.00081		0.0007	B	mg/L
MW-4027	Mercury	3/27/2002	0.0001		0.0001	U	mg/L
MW-4027	Mercury	4/17/2002	0.0001		0.0001	U	mg/L
MW-4027	Mercury	5/13/2002	0.0001		0.0001	U	mg/L
MW-4027	Mercury	6/6/2002	0.0001		0.0001	U	mg/L
MW-4027	Mercury	7/9/2002	0.0001		0.0001	U	mg/L
MW-4027	Nitrate as Nitrogen	3/27/2002	19.1		2		mg/L
MW-4027	Nitrate as Nitrogen	4/17/2002	28.9		2		mg/L
MW-4027	Nitrate as Nitrogen	5/13/2002	102		20		mg/L
MW-4027	Nitrate as Nitrogen	6/6/2002	19.9		5		mg/L
MW-4027	Nitrate as Nitrogen	7/9/2002	19.1		5		mg/L
MW-4027	Selenium	3/27/2002	0.0012		0.0012	U	mg/L
MW-4027	Selenium	4/17/2002	0.0022		0.0022	U	mg/L
MW-4027	Selenium	5/13/2002	0.0022		0.0022	U	mg/L
MW-4027	Selenium	6/6/2002	0.0022		0.0022	U	mg/L
MW-4027	Selenium	7/9/2002	0.0025		0.0024	B	mg/L
MW-4027	Silver	3/27/2002	0.0017		0.0017	U	mg/L
MW-4027	Silver	4/17/2002	0.001		0.001	U	mg/L
MW-4027	Silver	5/13/2002	0.001		0.001	U	mg/L
MW-4027	Silver	6/6/2002	0.001		0.001	U	mg/L
MW-4027	Silver	7/9/2002	0.0002		0.0002	U	mg/L

LOCATION	ANALYTE	DATE SAMPLED	RESULT	UNCERTAINTY	DETECTION_LIMIT	LAB_QUALIFIERS	UNITS
MW-4027	Tetrachloroethene	3/27/2002	3		1		ug/L
MW-4027	Tetrachloroethene	4/17/2002	2.4		1		ug/L
MW-4027	Tetrachloroethene	5/13/2002	2.7		1		ug/L
MW-4027	Tetrachloroethene	6/6/2002	2.2		1		ug/L
MW-4027	Tetrachloroethene	7/9/2002	2.1		1		ug/L
MW-4027	Total 1,2-Dichloroethene	3/27/2002	2		2	U	ug/L
MW-4027	Total 1,2-Dichloroethene	4/17/2002	2		2	U	ug/L
MW-4027	Total 1,2-Dichloroethene	5/13/2002	2		2	U	ug/L
MW-4027	Total 1,2-Dichloroethene	6/6/2002	2		2	U	ug/L
MW-4027	Total 1,2-Dichloroethene	7/9/2002	2		2	U	ug/L
MW-4027	Trichloroethene	3/27/2002	1		1		ug/L
MW-4027	Trichloroethene	4/17/2002	1.2		1		ug/L
MW-4027	Trichloroethene	5/13/2002	1.5		1		ug/L
MW-4027	Trichloroethene	6/6/2002	0.82		1	J	ug/L
MW-4027	Trichloroethene	7/9/2002	0.78		1	J	ug/L
MW-4027	Uranium	3/27/2002	0.691	0.068	0.68	J	pCi/L
MW-4027	Uranium	4/17/2002	0.819	0.081	0.68	J	pCi/L
MW-4027	Uranium	5/13/2002	0.826	0.081	0.68	J	pCi/L
MW-4027	Uranium	6/6/2002	0.677		0.677	U	pCi/L
MW-4027	Uranium	7/9/2002	0.217	0.007	0.677	J	pCi/L
MW-4027	Vinyl chloride	3/27/2002	1		1	U	ug/L
MW-4027	Vinyl chloride	4/17/2002	1		1	U	ug/L
MW-4027	Vinyl chloride	5/13/2002	1		1	U	ug/L
MW-4027	Vinyl chloride	6/6/2002	1		1	U	ug/L
MW-4027	Vinyl chloride	7/9/2002	1		1	U	ug/L
MW-4028	Arsenic	3/26/2002	0.0012		0.0012	U	mg/L
MW-4028	Arsenic	4/18/2002	0.0024		0.0024	U	mg/L
MW-4028	Arsenic	5/13/2002	0.0024		0.0024	U	mg/L
MW-4028	Arsenic	6/3/2002	0.0024		0.0024	U	mg/L
MW-4028	Arsenic	7/9/2002	0.0019		0.0019	U	mg/L
MW-4028	Barium	3/26/2002	0.0929		0.0108	B	mg/L
MW-4028	Barium	4/18/2002	0.0997		0.0038	B	mg/L
MW-4028	Barium	5/13/2002	0.0905		0.0038	B	mg/L
MW-4028	Barium	6/3/2002	0.0814		0.0038	B	mg/L
MW-4028	Barium	7/9/2002	0.08		0.0025	B	mg/L
MW-4028	Cadmium	3/26/2002	0.00022		0.00022	U	mg/L
MW-4028	Cadmium	4/18/2002	0.0013		0.0013	U	mg/L
MW-4028	Cadmium	5/13/2002	0.0013		0.0013	U	mg/L
MW-4028	Cadmium	6/3/2002	0.0013		0.0013	U	mg/L
MW-4028	Cadmium	7/9/2002	0.00061		0.00061	U	mg/L
MW-4028	Chromium	3/26/2002	0.00073		0.00073	U	mg/L
MW-4028	Chromium	4/18/2002	0.0016		0.0013	B	mg/L

LOCATION	ANALYTE	DATE SAMPLED	RESULT	UNCERTAINTY	DETECTION_LIMIT	LAB_QUALIFIERS	UNITS
MW-4028	Chromium	5/13/2002	0.0382		0.0013		mg/L
MW-4028	Chromium	6/3/2002	0.0943		0.0013		mg/L
MW-4028	Chromium	7/9/2002	0.135		0.001		mg/L
MW-4028	Lead	3/26/2002	0.00099		0.00099	U	mg/L
MW-4028	Lead	4/18/2002	0.003		0.0021	B	mg/L
MW-4028	Lead	5/13/2002	0.0021		0.0021	U	mg/L
MW-4028	Lead	6/3/2002	0.0021		0.0021	U	mg/L
MW-4028	Lead	7/9/2002	0.0019		0.00093	B	mg/L
MW-4028	Manganese	3/26/2002	0.0004		0.0004	U	mg/L
MW-4028	Manganese	4/18/2002	0.0014		0.0014	U	mg/L
MW-4028	Manganese	5/13/2002	8.58		0.0014		mg/L
MW-4028	Manganese	6/3/2002	44.5		0.0014		mg/L
MW-4028	Manganese	7/9/2002	56.8		0.0002		mg/L
MW-4028	Mercury	3/26/2002	0.00015		0.0001	B	mg/L
MW-4028	Mercury	4/18/2002	0.00023		0.0001		mg/L
MW-4028	Mercury	5/13/2002	0.0026		0.0001		mg/L
MW-4028	Mercury	6/3/2002	0.0068		0.0001		mg/L
MW-4028	Mercury	7/9/2002	0.01		0.0007		mg/L
MW-4028	Nitrate as Nitrogen	3/26/2002	166		20		mg/L
MW-4028	Nitrate as Nitrogen	4/18/2002	210		10		mg/L
MW-4028	Nitrate as Nitrogen	5/13/2002	212		10		mg/L
MW-4028	Nitrate as Nitrogen	6/3/2002	198		20		mg/L
MW-4028	Nitrate as Nitrogen	7/9/2002	165		10		mg/L
MW-4028	Selenium	3/26/2002	0.0031		0.0012	B	mg/L
MW-4028	Selenium	4/18/2002	0.0024		0.0022	B	mg/L
MW-4028	Selenium	5/13/2002	0.0047		0.0022	B	mg/L
MW-4028	Selenium	6/3/2002	0.0022		0.0022	U	mg/L
MW-4028	Selenium	7/9/2002	0.0001		0.0001	U	mg/L
MW-4028	Silver	3/26/2002	0.0017		0.0017	U	mg/L
MW-4028	Silver	4/18/2002	0.0015		0.001	B	mg/L
MW-4028	Silver	5/13/2002	0.0014		0.001	B	mg/L
MW-4028	Silver	6/3/2002	0.0073		0.001	B	mg/L
MW-4028	Silver	7/9/2002	0.0098		0.0024	B	mg/L
MW-4028	Tetrachloroethene	3/26/2002	10		10	U	ug/L
MW-4028	Tetrachloroethene	4/18/2002	2		2	U	ug/L
MW-4028	Tetrachloroethene	5/13/2002	1		1	U	ug/L
MW-4028	Tetrachloroethene	6/3/2002	1		1	U	ug/L
MW-4028	Tetrachloroethene	7/9/2002	1		1	U	ug/L
MW-4028	Total 1,2-Dichloroethene	3/26/2002	20		20	U	ug/L
MW-4028	Total 1,2-Dichloroethene	4/18/2002	3.8		4	J	ug/L
MW-4028	Total 1,2-Dichloroethene	5/13/2002	2		2	U	ug/L
MW-4028	Total 1,2-Dichloroethene	6/3/2002	2		2	U	ug/L

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MW-4028	Total 1,2-Dichloroethene	7/9/2002	2		2	U	ug/L
MW-4028	Trichloroethene	3/26/2002	210		10		ug/L
MW-4028	Trichloroethene	4/18/2002	170		10		ug/L
MW-4028	Trichloroethene	5/13/2002	1		1	U	ug/L
MW-4028	Trichloroethene	6/3/2002	1		1	U	ug/L
MW-4028	Trichloroethene	7/9/2002	1		1	U	ug/L
MW-4028	Uranium	3/26/2002	0.697	0.068	0.68	J	pCi/L
MW-4028	Uranium	4/18/2002	0.66	0.066	0.68	UJ	pCi/L
MW-4028	Uranium	5/13/2002	1.06	0.11	0.68		pCi/L
MW-4028	Uranium	6/3/2002	0.677		0.677	U	pCi/L
MW-4028	Uranium	7/9/2002	0.157	0.006	0.677	J	pCi/L
MW-4028	Vinyl chloride	3/26/2002	10		10	U	ug/L
MW-4028	Vinyl chloride	4/18/2002	2		2	U	ug/L
MW-4028	Vinyl chloride	5/13/2002	1		1	U	ug/L
MW-4028	Vinyl chloride	6/3/2002	1		1	U	ug/L
MW-4028	Vinyl chloride	7/9/2002	1		1	U	ug/L
MW-4029	Arsenic	3/27/2002	0.0012		0.0012	U	mg/L
MW-4029	Arsenic	4/18/2002	0.0024		0.0024	U	mg/L
MW-4029	Arsenic	5/14/2002	0.0024		0.0024	U	mg/L
MW-4029	Arsenic	6/10/2002	0.0024		0.0024	U	mg/L
MW-4029	Arsenic	7/8/2002	0.0019		0.0019	U	mg/L
MW-4029	Barium	3/27/2002	0.15		0.0108	B	mg/L
MW-4029	Barium	4/18/2002	0.158		0.0038	B	mg/L
MW-4029	Barium	5/14/2002	0.129		0.0041	B	mg/L
MW-4029	Barium	6/10/2002	0.14		0.0041	B	mg/L
MW-4029	Barium	7/8/2002	0.142		0.0025	B	mg/L
MW-4029	Cadmium	3/27/2002	0.00022		0.00022	U	mg/L
MW-4029	Cadmium	4/18/2002	0.0013		0.0013	U	mg/L
MW-4029	Cadmium	5/14/2002	0.0013		0.0013	U	mg/L
MW-4029	Cadmium	6/10/2002	0.0013		0.0013	U	mg/L
MW-4029	Cadmium	7/8/2002	0.00061		0.00061	U	mg/L
MW-4029	Chromium	3/27/2002	0.00073		0.00073	U	mg/L
MW-4029	Chromium	4/18/2002	0.0013		0.0013	U	mg/L
MW-4029	Chromium	5/14/2002	0.0013		0.0013	U	mg/L
MW-4029	Chromium	6/10/2002	0.0013		0.0013	U	mg/L
MW-4029	Chromium	7/8/2002	0.001		0.001	U	mg/L
MW-4029	Lead	3/27/2002	0.00099		0.00099	U	mg/L
MW-4029	Lead	4/18/2002	0.0021		0.0021	U	mg/L
MW-4029	Lead	5/14/2002	0.0021		0.0021	U	mg/L
MW-4029	Lead	6/10/2002	0.0021		0.0021	U	mg/L
MW-4029	Lead	7/8/2002	0.001		0.00093	B	mg/L
MW-4029	Manganese	3/27/2002	0.0151		0.0004		mg/L

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MW-4029	Manganese	4/18/2002	0.0155		0.0014		mg/L
MW-4029	Manganese	5/14/2002	0.0132		0.0007	B	mg/L
MW-4029	Manganese	6/10/2002	0.0143		0.0007	B	mg/L
MW-4029	Manganese	7/8/2002	0.0239		0.0007		mg/L
MW-4029	Mercury	3/27/2002	0.0022		0.0001		mg/L
MW-4029	Mercury	4/18/2002	0.0015		0.0001		mg/L
MW-4029	Mercury	5/14/2002	0.0011		0.0001		mg/L
MW-4029	Mercury	6/10/2002	0.0018		0.0001		mg/L
MW-4029	Mercury	7/8/2002	0.0021		0.0001		mg/L
MW-4029	Nitrate as Nitrogen	3/27/2002	531		50		mg/L
MW-4029	Nitrate as Nitrogen	4/18/2002	574		20		mg/L
MW-4029	Nitrate as Nitrogen	5/14/2002	420		20		mg/L
MW-4029	Nitrate as Nitrogen	6/10/2002	538		40		mg/L
MW-4029	Nitrate as Nitrogen	7/8/2002	826		40		mg/L
MW-4029	Selenium	3/27/2002	0.0069		0.0012		mg/L
MW-4029	Selenium	4/18/2002	0.0055		0.0022		mg/L
MW-4029	Selenium	5/14/2002	0.007		0.0022		mg/L
MW-4029	Selenium	6/10/2002	0.0069		0.0022		mg/L
MW-4029	Selenium	7/8/2002	0.0067		0.0024		mg/L
MW-4029	Silver	3/27/2002	0.0017		0.0017	U	mg/L
MW-4029	Silver	4/18/2002	0.001		0.001	U	mg/L
MW-4029	Silver	5/14/2002	0.0016		0.0016	U	mg/L
MW-4029	Silver	6/10/2002	0.0016		0.0016	U	mg/L
MW-4029	Silver	7/8/2002	0.0002		0.0002	U	mg/L
MW-4029	Tetrachloroethene	3/27/2002	20		20	U	ug/L
MW-4029	Tetrachloroethene	4/18/2002	5		5	U	ug/L
MW-4029	Tetrachloroethene	5/14/2002	0.73		1	J	ug/L
MW-4029	Tetrachloroethene	6/10/2002	20		20	U	ug/L
MW-4029	Tetrachloroethene	7/9/2002	25		25	U	ug/L
MW-4029	Total 1,2-Dichloroethene	3/27/2002	40		40	U	ug/L
MW-4029	Total 1,2-Dichloroethene	4/18/2002	5		10	J	ug/L
MW-4029	Total 1,2-Dichloroethene	5/14/2002	6.4		2		ug/L
MW-4029	Total 1,2-Dichloroethene	6/10/2002	40		40	U	ug/L
MW-4029	Total 1,2-Dichloroethene	7/9/2002	50		50	U	ug/L
MW-4029	Trichloroethene	3/27/2002	470		20		ug/L
MW-4029	Trichloroethene	4/18/2002	460		25		ug/L
MW-4029	Trichloroethene	5/14/2002	480		20		ug/L
MW-4029	Trichloroethene	6/10/2002	340		20		ug/L
MW-4029	Trichloroethene	7/9/2002	530		25		ug/L
MW-4029	Uranium	3/27/2002	0.64	0.064	0.68	UJ	pCi/L
MW-4029	Uranium	4/18/2002	0.67	0.067	0.68	UJ	pCi/L
MW-4029	Uranium	5/14/2002	0.61	0.062	0.68	UJ	pCi/L

LOCATION	ANALYTE	DATE SAMPLED	RESULT	UNCERTAINTY	DETECTION_LIMIT	LAB_QUALIFIERS	UNITS
MW-4029	Uranium	6/10/2002	0.677		0.677	U	pCi/L
MW-4029	Uranium	7/8/2002	0.238	0.007	0.677	J	pCi/L
MW-4029	Vinyl chloride	3/27/2002	20		20	U	ug/L
MW-4029	Vinyl chloride	4/18/2002	5		5	U	ug/L
MW-4029	Vinyl chloride	5/14/2002	1		1	U	ug/L
MW-4029	Vinyl chloride	6/10/2002	20		20	U	ug/L
MW-4029	Vinyl chloride	7/9/2002	25		25	U	ug/L
MW-4031	Arsenic	3/27/2002	0.0012		0.0012	U	mg/L
MW-4031	Arsenic	4/17/2002	0.0024		0.0024	U	mg/L
MW-4031	Arsenic	5/13/2002	0.0024		0.0024	U	mg/L
MW-4031	Arsenic	6/5/2002	0.0024		0.0024	U	mg/L
MW-4031	Arsenic	7/9/2002	0.0019		0.0019	U	mg/L
MW-4031	Barium	3/27/2002	0.246		0.0108		mg/L
MW-4031	Barium	4/17/2002	0.206		0.0038		mg/L
MW-4031	Barium	5/13/2002	0.223		0.0038		mg/L
MW-4031	Barium	6/5/2002	0.214		0.0038		mg/L
MW-4031	Barium	7/9/2002	0.201		0.0025		mg/L
MW-4031	Cadmium	3/27/2002	0.00022		0.00022	U	mg/L
MW-4031	Cadmium	4/17/2002	0.0013		0.0013	U	mg/L
MW-4031	Cadmium	5/13/2002	0.0013		0.0013	U	mg/L
MW-4031	Cadmium	6/5/2002	0.0013		0.0013	U	mg/L
MW-4031	Cadmium	7/9/2002	0.00061		0.00061	U	mg/L
MW-4031	Chromium	3/27/2002	0.00073		0.00073	U	mg/L
MW-4031	Chromium	4/17/2002	0.0013		0.0013	U	mg/L
MW-4031	Chromium	5/13/2002	0.0013		0.0013	U	mg/L
MW-4031	Chromium	6/5/2002	0.0013		0.0013	U	mg/L
MW-4031	Chromium	7/9/2002	0.001		0.001	U	mg/L
MW-4031	Lead	3/27/2002	0.0013		0.00099	B	mg/L
MW-4031	Lead	4/17/2002	0.0021		0.0021	U	mg/L
MW-4031	Lead	5/13/2002	0.0021		0.0021	U	mg/L
MW-4031	Lead	6/5/2002	0.0039		0.0021		mg/L
MW-4031	Lead	7/9/2002	0.00093		0.00093	U	mg/L
MW-4031	Manganese	3/27/2002	0.00042		0.0004	B	mg/L
MW-4031	Manganese	4/17/2002	0.0019		0.0014	B	mg/L
MW-4031	Manganese	5/13/2002	0.002		0.0014	B	mg/L
MW-4031	Manganese	6/5/2002	0.0016		0.0014	B	mg/L
MW-4031	Manganese	7/9/2002	0.0054		0.0007	B	mg/L
MW-4031	Mercury	3/27/2002	0.0001		0.0001	U	mg/L
MW-4031	Mercury	4/17/2002	0.0001		0.0001	U	mg/L
MW-4031	Mercury	5/13/2002	0.0001		0.0001	U	mg/L
MW-4031	Mercury	6/5/2002	0.0001		0.0001	U	mg/L
MW-4031	Mercury	7/9/2002	0.0001		0.0001	U	mg/L

LOCATION	ANALYTE	DATE SAMPLED	RESULT	UNCERTAINTY	DETECTION_LIMIT	LAB_QUALIFIERS	UNITS
MW-4031	Nitrate as Nitrogen	3/27/2002	341		20		mg/L
MW-4031	Nitrate as Nitrogen	4/17/2002	231		10		mg/L
MW-4031	Nitrate as Nitrogen	5/13/2002	230		80		mg/L
MW-4031	Nitrate as Nitrogen	6/5/2002	265		20		mg/L
MW-4031	Nitrate as Nitrogen	7/9/2002	323		40		mg/L
MW-4031	Selenium	3/27/2002	0.0028		0.0012	B	mg/L
MW-4031	Selenium	4/17/2002	0.0032		0.0022	B	mg/L
MW-4031	Selenium	5/13/2002	0.0057		0.0022		mg/L
MW-4031	Selenium	6/5/2002	0.0045		0.0022	B	mg/L
MW-4031	Selenium	7/9/2002	0.0036		0.0024	B	mg/L
MW-4031	Silver	3/27/2002	0.0017		0.0017	U	mg/L
MW-4031	Silver	4/17/2002	0.001		0.001	U	mg/L
MW-4031	Silver	5/13/2002	0.001		0.001	U	mg/L
MW-4031	Silver	6/5/2002	0.0015		0.001	B	mg/L
MW-4031	Silver	7/9/2002	0.0002		0.0002	U	mg/L
MW-4031	Tetrachloroethene	3/27/2002	5		5	U	ug/L
MW-4031	Tetrachloroethene	4/17/2002	1		1	U	ug/L
MW-4031	Tetrachloroethene	5/13/2002	25		25	U	ug/L
MW-4031	Tetrachloroethene	6/5/2002	10		10	U	ug/L
MW-4031	Tetrachloroethene	7/9/2002	10		10	U	ug/L
MW-4031	Total 1,2-Dichloroethene	3/27/2002	10		10	U	ug/L
MW-4031	Total 1,2-Dichloroethene	4/17/2002	1.6		2	J	ug/L
MW-4031	Total 1,2-Dichloroethene	5/13/2002	50		50	U	ug/L
MW-4031	Total 1,2-Dichloroethene	6/5/2002	20		20	U	ug/L
MW-4031	Total 1,2-Dichloroethene	7/9/2002	20		20	U	ug/L
MW-4031	Trichloroethene	3/27/2002	150		5		ug/L
MW-4031	Trichloroethene	4/17/2002	120		5		ug/L
MW-4031	Trichloroethene	5/13/2002	150		25		ug/L
MW-4031	Trichloroethene	6/5/2002	160		10		ug/L
MW-4031	Trichloroethene	7/9/2002	180		10		ug/L
MW-4031	Uranium	3/27/2002	0.56	0.056	0.68	UJ	pCi/L
MW-4031	Uranium	4/17/2002	0.51	0.051	0.68	UJ	pCi/L
MW-4031	Uranium	5/13/2002	0.53	0.053	0.68	UJ	pCi/L
MW-4031	Uranium	6/5/2002	0.677		0.677	U	pCi/L
MW-4031	Uranium	7/9/2002	0.088	0.003	0.677	J	pCi/L
MW-4031	Vinyl chloride	3/27/2002	5		5	U	ug/L
MW-4031	Vinyl chloride	4/17/2002	1		1	U	ug/L
MW-4031	Vinyl chloride	5/13/2002	25		25	U	ug/L
MW-4031	Vinyl chloride	6/5/2002	10		10	U	ug/L
MW-4031	Vinyl chloride	7/9/2002	10		10	U	ug/L
MW-4032	Arsenic	3/26/2002	0.0012		0.0012	U	mg/L
MW-4032	Arsenic	4/17/2002	0.0024		0.0024	U	mg/L

LOCATION	ANALYTE	DATE SAMPLED	RESULT	UNCERTAINTY	DETECTION_LIMIT	LAB_QUALIFIERS	UNITS
MW-4032	Arsenic	5/13/2002	0.0024		0.0024	U	mg/L
MW-4032	Arsenic	6/3/2002	0.0024		0.0024	U	mg/L
MW-4032	Arsenic	7/9/2002	0.0019		0.0019	U	mg/L
MW-4032	Barium	3/26/2002	0.134		0.0108	B	mg/L
MW-4032	Barium	4/17/2002	0.149		0.0038	B	mg/L
MW-4032	Barium	5/13/2002	0.142		0.0038	B	mg/L
MW-4032	Barium	6/3/2002	0.144		0.0038	B	mg/L
MW-4032	Barium	7/9/2002	0.148		0.0025	B	mg/L
MW-4032	Cadmium	3/26/2002	0.00022		0.00022	U	mg/L
MW-4032	Cadmium	4/17/2002	0.0013		0.0013	U	mg/L
MW-4032	Cadmium	5/13/2002	0.0013		0.0013	U	mg/L
MW-4032	Cadmium	6/3/2002	0.0013		0.0013	U	mg/L
MW-4032	Cadmium	7/9/2002	0.00061		0.00061	U	mg/L
MW-4032	Chromium	3/26/2002	0.00073		0.00073	U	mg/L
MW-4032	Chromium	4/17/2002	0.0022		0.0013	B	mg/L
MW-4032	Chromium	5/13/2002	0.0048		0.0013	B	mg/L
MW-4032	Chromium	6/3/2002	0.0013		0.0013	B	mg/L
MW-4032	Chromium	7/9/2002	0.001		0.001	U	mg/L
MW-4032	Lead	3/26/2002	0.00099		0.00099	U	mg/L
MW-4032	Lead	4/17/2002	0.0021		0.0021	U	mg/L
MW-4032	Lead	5/13/2002	0.0021		0.0021	U	mg/L
MW-4032	Lead	6/3/2002	0.0021		0.0021	U	mg/L
MW-4032	Lead	7/9/2002	0.00093		0.00093	U	mg/L
MW-4032	Manganese	3/26/2002	0.0004		0.0004	U	mg/L
MW-4032	Manganese	4/17/2002	0.0014		0.0014	U	mg/L
MW-4032	Manganese	5/13/2002	0.003		0.0014	B	mg/L
MW-4032	Manganese	6/3/2002	0.0096		0.0014	B	mg/L
MW-4032	Manganese	7/9/2002	0.0023		0.0007	B	mg/L
MW-4032	Mercury	3/26/2002	0.0001		0.0001	U	mg/L
MW-4032	Mercury	4/17/2002	0.0001		0.0001	U	mg/L
MW-4032	Mercury	5/13/2002	0.00026		0.0001		mg/L
MW-4032	Mercury	6/3/2002	0.0001		0.0001	U	mg/L
MW-4032	Mercury	7/9/2002	0.0001		0.0001	U	mg/L
MW-4032	Nitrate as Nitrogen	3/26/2002	167		20		mg/L
MW-4032	Nitrate as Nitrogen	4/17/2002	174		10		mg/L
MW-4032	Nitrate as Nitrogen	5/13/2002	169		5		mg/L
MW-4032	Nitrate as Nitrogen	6/3/2002	203		40		mg/L
MW-4032	Nitrate as Nitrogen	7/9/2002	253		40		mg/L
MW-4032	Selenium	3/26/2002	0.002		0.0012	B	mg/L
MW-4032	Selenium	4/17/2002	0.0022		0.0022	U	mg/L
MW-4032	Selenium	5/13/2002	0.0047		0.0022	B	mg/L
MW-4032	Selenium	6/3/2002	0.0031		0.0022	B	mg/L

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MW-4032	Selenium	7/9/2002	0.0048		0.0024	B	mg/L
MW-4032	Silver	3/26/2002	0.0017		0.0017	U	mg/L
MW-4032	Silver	4/17/2002	0.001		0.001	U	mg/L
MW-4032	Silver	5/13/2002	0.001		0.001	U	mg/L
MW-4032	Silver	6/3/2002	0.001		0.001	U	mg/L
MW-4032	Silver	7/9/2002	0.0002		0.0002	U	mg/L
MW-4032	Tetrachloroethene	3/26/2002	2		2	U	ug/L
MW-4032	Tetrachloroethene	4/17/2002	1		1	U	ug/L
MW-4032	Tetrachloroethene	5/13/2002	2		2	U	ug/L
MW-4032	Tetrachloroethene	6/3/2002	1		1	U	ug/L
MW-4032	Tetrachloroethene	7/9/2002	2		2	U	ug/L
MW-4032	Total 1,2-Dichloroethene	3/26/2002	1		4	J	ug/L
MW-4032	Total 1,2-Dichloroethene	4/17/2002	1.1		2	J	ug/L
MW-4032	Total 1,2-Dichloroethene	5/13/2002	4		4	U	ug/L
MW-4032	Total 1,2-Dichloroethene	6/3/2002	2		2	U	ug/L
MW-4032	Total 1,2-Dichloroethene	7/9/2002	4		4	U	ug/L
MW-4032	Trichloroethene	3/26/2002	73		2		ug/L
MW-4032	Trichloroethene	4/17/2002	92		5		ug/L
MW-4032	Trichloroethene	5/13/2002	62		2		ug/L
MW-4032	Trichloroethene	6/3/2002	15		1		ug/L
MW-4032	Trichloroethene	7/9/2002	71		2		ug/L
MW-4032	Uranium	3/26/2002	0.66	0.066	0.68	UJ	pCi/L
MW-4032	Uranium	4/17/2002	0.921	0.095	0.68	J	pCi/L
MW-4032	Uranium	5/13/2002	0.697	0.068	0.68	J	pCi/L
MW-4032	Uranium	6/3/2002	0.677		0.677	U	pCi/L
MW-4032	Uranium	7/9/2002	0.188	0.007	0.677	J	pCi/L
MW-4032	Vinyl chloride	3/26/2002	2		2	U	ug/L
MW-4032	Vinyl chloride	4/17/2002	1		1	U	ug/L
MW-4032	Vinyl chloride	5/13/2002	2		2	U	ug/L
MW-4032	Vinyl chloride	6/3/2002	1		1	U	ug/L
MW-4032	Vinyl chloride	7/9/2002	2		2	U	ug/L
MW-4037	Arsenic	3/28/2002	0.0012		0.0012	U	mg/L
MW-4037	Arsenic	6/11/2002	0.0024		0.0024	U	mg/L
MW-4037	Arsenic	7/15/2002	0.0019		0.0019	U	mg/L
MW-4037	Barium	3/28/2002	0.0836		0.0108	B	mg/L
MW-4037	Barium	6/11/2002	0.156		0.0041	B	mg/L
MW-4037	Barium	7/15/2002	0.178		0.0025	B	mg/L
MW-4037	Cadmium	3/28/2002	0.00022		0.00022	U	mg/L
MW-4037	Cadmium	6/11/2002	0.0013		0.0013	U	mg/L
MW-4037	Cadmium	7/15/2002	0.00061		0.00061	U	mg/L
MW-4037	Chromium	3/28/2002	0.00073		0.00073	U	mg/L
MW-4037	Chromium	6/11/2002	0.0013		0.0013	U	mg/L

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MW-4037	Chromium	7/15/2002	0.00099		0.00099	U	mg/L
MW-4037	Lead	3/28/2002	0.0013		0.00099	B	mg/L
MW-4037	Lead	6/11/2002	0.0021		0.0021	U	mg/L
MW-4037	Lead	7/15/2002	0.0034		0.00093	J	mg/L
MW-4037	Manganese	3/28/2002	0.0075		0.0004	B	mg/L
MW-4037	Manganese	6/11/2002	0.0027		0.0007	B	mg/L
MW-4037	Manganese	7/15/2002	0.0016		0.0007	B	mg/L
MW-4037	Mercury	3/28/2002	0.0001		0.0001	U	mg/L
MW-4037	Mercury	6/11/2002	0.0001		0.0001	U	mg/L
MW-4037	Mercury	7/15/2002	0.0001		0.0001	U	mg/L
MW-4037	Nitrate as Nitrogen	3/28/2002	11		2		mg/L
MW-4037	Nitrate as Nitrogen	6/11/2002	76.9		20		mg/L
MW-4037	Nitrate as Nitrogen	7/15/2002	170		20		mg/L
MW-4037	Selenium	3/28/2002	0.0012		0.0012	U	mg/L
MW-4037	Selenium	6/11/2002	0.0022		0.0022	U	mg/L
MW-4037	Selenium	7/15/2002	0.0024		0.0024	U	mg/L
MW-4037	Silver	3/28/2002	0.0017		0.0017	U	mg/L
MW-4037	Silver	6/11/2002	0.0016		0.0016	U	mg/L
MW-4037	Silver	7/15/2002	0.0008		0.0008	U	mg/L
MW-4037	Tetrachloroethene	3/28/2002	1		1	U	ug/L
MW-4037	Tetrachloroethene	6/11/2002	1		1	U	ug/L
MW-4037	Tetrachloroethene	7/15/2002	2		2	U	ug/L
MW-4037	Total 1,2-Dichloroethene	3/28/2002	2		2	U	ug/L
MW-4037	Total 1,2-Dichloroethene	6/11/2002	2		2	U	ug/L
MW-4037	Total 1,2-Dichloroethene	7/15/2002	4		4	U	ug/L
MW-4037	Trichloroethene	3/28/2002	5.3		1		ug/L
MW-4037	Trichloroethene	6/11/2002	23		1		ug/L
MW-4037	Trichloroethene	7/15/2002	39		2		ug/L
MW-4037	Uranium	3/28/2002	12.2	1.4	0.7		pCi/L
MW-4037	Uranium	6/11/2002	8.94	0.192	0.677		pCi/L
MW-4037	Uranium	7/15/2002	7.51	0.74	0.68		pCi/L
MW-4037	Vinyl chloride	3/28/2002	1		1	U	ug/L
MW-4037	Vinyl chloride	6/11/2002	1		1	U	ug/L
MW-4037	Vinyl chloride	7/15/2002	2		2	U	ug/L
MW-4038	Arsenic	3/28/2002	0.0012		0.0012	U	mg/L
MW-4038	Arsenic	6/11/2002	0.0024		0.0024	U	mg/L
MW-4038	Arsenic	7/15/2002	0.0019		0.0019	U	mg/L
MW-4038	Barium	3/28/2002	0.267		0.0108		mg/L
MW-4038	Barium	6/11/2002	0.269		0.0041		mg/L
MW-4038	Barium	7/15/2002	0.24		0.0025		mg/L
MW-4038	Cadmium	3/28/2002	0.00022		0.00022	U	mg/L
MW-4038	Cadmium	6/11/2002	0.0013		0.0013	U	mg/L

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MW-4038	Cadmium	7/15/2002	0.00061		0.00061	U	mg/L
MW-4038	Chromium	3/28/2002	0.00073		0.00073	U	mg/L
MW-4038	Chromium	6/11/2002	0.0013		0.0013	U	mg/L
MW-4038	Chromium	7/15/2002	0.00099		0.00099	U	mg/L
MW-4038	Lead	3/28/2002	0.00099		0.00099	U	mg/L
MW-4038	Lead	6/11/2002	0.0024		0.0021	B	mg/L
MW-4038	Lead	7/15/2002	0.0035		0.00093	J	mg/L
MW-4038	Manganese	3/28/2002	0.0299		0.0004		mg/L
MW-4038	Manganese	6/11/2002	0.0241		0.0007		mg/L
MW-4038	Manganese	7/15/2002	0.0223		0.0007		mg/L
MW-4038	Mercury	3/28/2002	0.0001		0.0001	U	mg/L
MW-4038	Mercury	6/11/2002	0.0001		0.0001	U	mg/L
MW-4038	Mercury	7/15/2002	0.0001		0.0001	U	mg/L
MW-4038	Nitrate as Nitrogen	3/28/2002	113		20		mg/L
MW-4038	Nitrate as Nitrogen	6/11/2002	120		20		mg/L
MW-4038	Nitrate as Nitrogen	7/15/2002	198		40		mg/L
MW-4038	Selenium	3/28/2002	0.0012		0.0012	U	mg/L
MW-4038	Selenium	6/11/2002	0.0038		0.0022	B	mg/L
MW-4038	Selenium	7/15/2002	0.0031		0.0024	B	mg/L
MW-4038	Silver	3/28/2002	0.0017		0.0017	U	mg/L
MW-4038	Silver	6/11/2002	0.0016		0.0016	U	mg/L
MW-4038	Silver	7/15/2002	0.0008		0.0008	U	mg/L
MW-4038	Tetrachloroethene	3/28/2002	0.44		1	J	ug/L
MW-4038	Tetrachloroethene	6/11/2002	0.42		1	J	ug/L
MW-4038	Tetrachloroethene	7/15/2002	0.38		1	J	ug/L
MW-4038	Total 1,2-Dichloroethene	3/28/2002	2		2	U	ug/L
MW-4038	Total 1,2-Dichloroethene	6/11/2002	2		2	U	ug/L
MW-4038	Total 1,2-Dichloroethene	7/15/2002	2		2	U	ug/L
MW-4038	Trichloroethene	3/28/2002	26		1		ug/L
MW-4038	Trichloroethene	6/11/2002	24		1		ug/L
MW-4038	Trichloroethene	7/15/2002	25		1		ug/L
MW-4038	Uranium	3/28/2002	1.97	0.2	0.68		pCi/L
MW-4038	Uranium	6/11/2002	2.31	0.064	0.677		pCi/L
MW-4038	Uranium	7/15/2002	2.48	0.25	0.68		pCi/L
MW-4038	Vinyl chloride	3/28/2002	1		1	U	ug/L
MW-4038	Vinyl chloride	6/11/2002	1		1	U	ug/L
MW-4038	Vinyl chloride	7/15/2002	1		1	U	ug/L
MW-ICO1	Arsenic	7/17/2002	0.0019		0.0019	U	mg/L
MW-ICO1	Barium	7/17/2002	0.119		0.0025	B	mg/L
MW-ICO1	Cadmium	7/17/2002	0.00061		0.00061	U	mg/L
MW-ICO1	Chromium	7/17/2002	0.0094		0.00099	B	mg/L
MW-ICO1	Lead	7/17/2002	0.0019		0.00093	B	mg/L

LOCATION	ANALYTE	DATE SAMPLED	RESULT	UNCERTAINTY	DETECTION_LIMIT	LAB_QUALIFIERS	UNITS
MW-ICO1	Manganese	7/17/2002	0.034		0.0007		mg/L
MW-ICO1	Mercury	7/17/2002	0.00066		0.0001		mg/L
MW-ICO1	Nitrate as Nitrogen	7/17/2002	140		40		mg/L
MW-ICO1	Selenium	7/17/2002	0.0029		0.0024	B	mg/L
MW-ICO1	Silver	7/17/2002	0.0008		0.0008	U	mg/L
MW-ICO1	Tetrachloroethene	4/22/2002	5		5	U	ug/L
MW-ICO1	Tetrachloroethene	7/17/2002	10		10	U	ug/L
MW-ICO1	Total 1,2-Dichloroethene	4/22/2002	9.2		10	J	ug/L
MW-ICO1	Total 1,2-Dichloroethene	7/17/2002	5.1		20	J	ug/L
MW-ICO1	Trichloroethene	4/22/2002	350		5		ug/L
MW-ICO1	Trichloroethene	7/17/2002	180		10		ug/L
MW-ICO1	Uranium	7/17/2002	1.39	0.14	0.68		pCi/L
MW-ICO1	Vinyl chloride	4/22/2002	5		5	U	ug/L
MW-ICO1	Vinyl chloride	7/17/2002	10		10	U	ug/L
MW-ICO2	Arsenic	7/17/2002	0.0019		0.0019	U	mg/L
MW-ICO2	Barium	7/17/2002	0.207		0.0025		mg/L
MW-ICO2	Cadmium	7/17/2002	0.00061		0.00061	U	mg/L
MW-ICO2	Chromium	7/17/2002	0.0872		0.00099		mg/L
MW-ICO2	Lead	7/17/2002	0.0018		0.00093	B	mg/L
MW-ICO2	Manganese	7/17/2002	6.03		0.0007		mg/L
MW-ICO2	Mercury	7/17/2002	0.0046		0.0001		mg/L
MW-ICO2	Nitrate as Nitrogen	7/17/2002	353		20		mg/L
MW-ICO2	Selenium	7/17/2002	0.0059		0.0024		mg/L
MW-ICO2	Silver	7/17/2002	0.0014		0.0008	B	mg/L
MW-ICO2	Tetrachloroethene	4/22/2002	1		1	U	ug/L
MW-ICO2	Tetrachloroethene	7/17/2002	1		1	U	ug/L
MW-ICO2	Total 1,2-Dichloroethene	4/22/2002	2		2	U	ug/L
MW-ICO2	Total 1,2-Dichloroethene	7/17/2002	2		2	U	ug/L
MW-ICO2	Trichloroethene	4/22/2002	1		1	U	ug/L
MW-ICO2	Trichloroethene	7/17/2002	1		1	U	ug/L
MW-ICO2	Uranium	7/17/2002	3.26	0.33	0.68		pCi/L
MW-ICO2	Vinyl chloride	4/22/2002	1		1	U	ug/L
MW-ICO2	Vinyl chloride	7/17/2002	1		1	U	ug/L
MW-ICO3	Arsenic	7/17/2002	0.0019		0.0019	U	mg/L
MW-ICO3	Barium	7/17/2002	0.32		0.0025		mg/L
MW-ICO3	Cadmium	7/17/2002	0.00061		0.00061	U	mg/L
MW-ICO3	Chromium	7/17/2002	0.00099		0.00099	U	mg/L
MW-ICO3	Lead	7/17/2002	0.0023		0.00093	B	mg/L
MW-ICO3	Manganese	7/17/2002	0.0076		0.0007	B	mg/L
MW-ICO3	Mercury	7/17/2002	0.00085		0.0001		mg/L
MW-ICO3	Nitrate as Nitrogen	7/17/2002	641		40		mg/L
MW-ICO3	Selenium	7/17/2002	0.0057		0.0024		mg/L

LOCATION	ANALYTE	DATE SAMPLED	RESULT	UNCERTAINTY	DETECTION_LIMIT	LAB_QUALIFIERS	UNITS
MW-ICO3	Silver	7/17/2002	0.0008		0.0008	U	mg/L
MW-ICO3	Tetrachloroethene	4/23/2002	2		2	U	ug/L
MW-ICO3	Tetrachloroethene	7/17/2002	10		10	U	ug/L
MW-ICO3	Total 1,2-Dichloroethene	4/23/2002	5.5		4		ug/L
MW-ICO3	Total 1,2-Dichloroethene	7/17/2002	6.4		20	J	ug/L
MW-ICO3	Trichloroethene	4/23/2002	193		2		ug/L
MW-ICO3	Trichloroethene	7/17/2002	210		10		ug/L
MW-ICO3	Uranium	7/17/2002	2.42	0.25	0.68		pCi/L
MW-ICO3	Vinyl chloride	4/23/2002	2		2	U	ug/L
MW-ICO3	Vinyl chloride	7/17/2002	10		10	U	ug/L
MW-ICO4	Arsenic	7/16/2002	0.0207		0.0019		mg/L
MW-ICO4	Barium	7/16/2002	0.663		0.0025		mg/L
MW-ICO4	Cadmium	7/16/2002	0.0037		0.00061	B	mg/L
MW-ICO4	Chromium	7/16/2002	0.0238		0.00099		mg/L
MW-ICO4	Lead	7/16/2002	0.0366		0.00093		mg/L
MW-ICO4	Manganese	7/16/2002	2.37		0.0007		mg/L
MW-ICO4	Mercury	7/16/2002	0.00045		0.0001		mg/L
MW-ICO4	Nitrate as Nitrogen	7/16/2002	223		40		mg/L
MW-ICO4	Selenium	7/16/2002	0.0024		0.0024	U	mg/L
MW-ICO4	Silver	7/16/2002	0.0008		0.0008	U	mg/L
MW-ICO4	Tetrachloroethene	4/17/2002	2		2	U	ug/L
MW-ICO4	Tetrachloroethene	7/16/2002	5		5	U	ug/L
MW-ICO4	Total 1,2-Dichloroethene	4/17/2002	1.6		4	J	ug/L
MW-ICO4	Total 1,2-Dichloroethene	7/16/2002	10		10	U	ug/L
MW-ICO4	Trichloroethene	4/17/2002	119		2		ug/L
MW-ICO4	Trichloroethene	7/16/2002	110		5		ug/L
MW-ICO4	Uranium	7/16/2002	2.16	0.22	0.68		pCi/L
MW-ICO4	Vinyl chloride	4/17/2002	2		2	U	ug/L
MW-ICO4	Vinyl chloride	7/16/2002	5		5	U	ug/L
MW-ICO5	Arsenic	7/16/2002	0.0019		0.0019	U	mg/L
MW-ICO5	Barium	7/16/2002	0.088		0.0025	B	mg/L
MW-ICO5	Cadmium	7/16/2002	0.00061		0.00061	U	mg/L
MW-ICO5	Chromium	7/16/2002	0.0113		0.00099		mg/L
MW-ICO5	Lead	7/16/2002	0.0033		0.00093		mg/L
MW-ICO5	Manganese	7/16/2002	0.0031		0.0007	B	mg/L
MW-ICO5	Mercury	7/16/2002	0.00012		0.0001	B	mg/L
MW-ICO5	Nitrate as Nitrogen	7/16/2002	218		40		mg/L
MW-ICO5	Selenium	7/16/2002	0.0034		0.0024	B	mg/L
MW-ICO5	Silver	7/16/2002	0.0008		0.0008	U	mg/L
MW-ICO5	Tetrachloroethene	4/17/2002	5		5	U	ug/L
MW-ICO5	Tetrachloroethene	7/16/2002	5		5	U	ug/L
MW-ICO5	Total 1,2-Dichloroethene	4/17/2002	3.1		10	J	ug/L

LOCATION	ANALYTE	DATE SAMPLED	RESULT	UNCERTAINTY	DETECTION_LIMIT	LAB_QUALIFIERS	UNITS
MW-ICO5	Total 1,2-Dichloroethene	7/16/2002	10		10	U	ug/L
MW-ICO5	Trichloroethene	4/17/2002	240		5		ug/L
MW-ICO5	Trichloroethene	7/16/2002	99		5		ug/L
MW-ICO5	Uranium	7/16/2002	1.09	0.11	0.68		pCi/L
MW-ICO5	Vinyl chloride	4/17/2002	5		5	U	ug/L
MW-ICO5	Vinyl chloride	7/16/2002	5		5	U	ug/L
MW-ICO6	Arsenic	7/16/2002	0.0019		0.0019	U	mg/L
MW-ICO6	Barium	7/16/2002	0.112		0.0025	B	mg/L
MW-ICO6	Cadmium	7/16/2002	0.00061		0.00061	U	mg/L
MW-ICO6	Chromium	7/16/2002	0.00099		0.00099	U	mg/L
MW-ICO6	Lead	7/16/2002	0.002		0.00093	B	mg/L
MW-ICO6	Manganese	7/16/2002	0.0171		0.0007		mg/L
MW-ICO6	Mercury	7/16/2002	0.00022		0.0001		mg/L
MW-ICO6	Nitrate as Nitrogen	7/16/2002	710		40		mg/L
MW-ICO6	Selenium	7/16/2002	0.0063		0.0024		mg/L
MW-ICO6	Silver	7/16/2002	0.0008		0.0008	U	mg/L
MW-ICO6	Tetrachloroethene	4/17/2002	5		5	U	ug/L
MW-ICO6	Tetrachloroethene	7/16/2002	5		5	U	ug/L
MW-ICO6	Total 1,2-Dichloroethene	4/17/2002	7.1		10	J	ug/L
MW-ICO6	Total 1,2-Dichloroethene	7/16/2002	8.1		10	J	ug/L
MW-ICO6	Trichloroethene	4/17/2002	455		5		ug/L
MW-ICO6	Trichloroethene	7/16/2002	440		20		ug/L
MW-ICO6	Uranium	7/16/2002	1.41	0.14	0.68		pCi/L
MW-ICO6	Vinyl chloride	4/17/2002	5		5	U	ug/L
MW-ICO6	Vinyl chloride	7/16/2002	5		5	U	ug/L
MWS-21	Arsenic	3/27/2002	0.0012		0.0012	U	mg/L
MWS-21	Arsenic	4/17/2002	0.0024		0.0024	U	mg/L
MWS-21	Arsenic	5/13/2002	0.0024		0.0024	U	mg/L
MWS-21	Arsenic	6/3/2002	0.0024		0.0024	U	mg/L
MWS-21	Arsenic	7/11/2002	0.0019		0.0019	U	mg/L
MWS-21	Barium	3/27/2002	0.249		0.0108		mg/L
MWS-21	Barium	4/17/2002	0.25		0.0038		mg/L
MWS-21	Barium	5/13/2002	0.249		0.0038		mg/L
MWS-21	Barium	6/3/2002	0.242		0.0038		mg/L
MWS-21	Barium	7/11/2002	0.223		0.0025		mg/L
MWS-21	Cadmium	3/27/2002	0.00022		0.00022	U	mg/L
MWS-21	Cadmium	4/17/2002	0.0013		0.0013	U	mg/L
MWS-21	Cadmium	5/13/2002	0.0013		0.0013	U	mg/L
MWS-21	Cadmium	6/3/2002	0.0013		0.0013	U	mg/L
MWS-21	Cadmium	7/11/2002	0.0006		0.0006	U	mg/L
MWS-21	Chromium	3/27/2002	0.00073		0.00073	U	mg/L
MWS-21	Chromium	4/17/2002	0.0013		0.0013	U	mg/L

LOCATION	ANALYTE	DATE SAMPLED	RESULT	UNCERTAINTY	DETECTION_LIMIT	LAB_QUALIFIERS	UNITS
MWS-21	Chromium	5/13/2002	0.0013		0.0013	U	mg/L
MWS-21	Chromium	6/3/2002	0.0015		0.0013	B	mg/L
MWS-21	Chromium	7/11/2002	0.0013		0.001	B	mg/L
MWS-21	Lead	3/27/2002	0.00099		0.00099	U	mg/L
MWS-21	Lead	4/17/2002	0.0021		0.0021	U	mg/L
MWS-21	Lead	5/13/2002	0.0021		0.0021	U	mg/L
MWS-21	Lead	6/3/2002	0.0021		0.0021	U	mg/L
MWS-21	Lead	7/11/2002	0.00093		0.00093	U	mg/L
MWS-21	Manganese	3/27/2002	0.009		0.0004	B	mg/L
MWS-21	Manganese	4/17/2002	0.0086		0.0014	B	mg/L
MWS-21	Manganese	5/13/2002	0.0082		0.0014	B	mg/L
MWS-21	Manganese	6/3/2002	0.0139		0.0014	B	mg/L
MWS-21	Manganese	7/11/2002	0.009		0.0007	B	mg/L
MWS-21	Mercury	3/27/2002	0.0001		0.0001	U	mg/L
MWS-21	Mercury	4/17/2002	0.0001		0.0001	U	mg/L
MWS-21	Mercury	5/13/2002	0.0001		0.0001	U	mg/L
MWS-21	Mercury	6/3/2002	0.0001		0.0001	U	mg/L
MWS-21	Mercury	7/11/2002	0.0001		0.0001	U	mg/L
MWS-21	Nitrate as Nitrogen	3/27/2002	133		20		mg/L
MWS-21	Nitrate as Nitrogen	4/17/2002	148		10		mg/L
MWS-21	Nitrate as Nitrogen	5/13/2002	125		5		mg/L
MWS-21	Nitrate as Nitrogen	6/3/2002	179		40		mg/L
MWS-21	Nitrate as Nitrogen	7/11/2002	171		40		mg/L
MWS-21	Selenium	3/27/2002	0.0068		0.0012		mg/L
MWS-21	Selenium	4/17/2002	0.0084		0.0022		mg/L
MWS-21	Selenium	5/13/2002	0.0068		0.0022		mg/L
MWS-21	Selenium	6/3/2002	0.0099		0.0022		mg/L
MWS-21	Selenium	7/11/2002	0.0083		0.0024		mg/L
MWS-21	Silver	3/27/2002	0.0017		0.0017	U	mg/L
MWS-21	Silver	4/17/2002	0.001		0.001	U	mg/L
MWS-21	Silver	5/13/2002	0.001		0.001	U	mg/L
MWS-21	Silver	6/3/2002	0.001		0.001	U	mg/L
MWS-21	Silver	7/11/2002	0.0002		0.0002	U	mg/L
MWS-21	Tetrachloroethene	3/27/2002	2.5		2.5	U	ug/L
MWS-21	Tetrachloroethene	4/17/2002	1		1	U	ug/L
MWS-21	Tetrachloroethene	5/13/2002	2.5		2.5	U	ug/L
MWS-21	Tetrachloroethene	6/3/2002	2		2	U	ug/L
MWS-21	Tetrachloroethene	7/11/2002	2		2	U	ug/L
MWS-21	Total 1,2-Dichloroethene	3/27/2002	1.3		5	J	ug/L
MWS-21	Total 1,2-Dichloroethene	4/17/2002	1.1		2	J	ug/L
MWS-21	Total 1,2-Dichloroethene	5/13/2002	5		5	U	ug/L
MWS-21	Total 1,2-Dichloroethene	6/3/2002	1.2		4	J	ug/L

LOCATION	ANALYTE	DATE SAMPLED	RESULT	UNCERTAINTY	DETECTION_LIMIT	LAB_QUALIFIERS	UNITS
MWS-21	Total 1,2-Dichloroethene	7/11/2002	1.1		4	J	ug/L
MWS-21	Trichloroethene	3/27/2002	75		2.5		ug/L
MWS-21	Trichloroethene	4/17/2002	79		5		ug/L
MWS-21	Trichloroethene	5/13/2002	21		2.5		ug/L
MWS-21	Trichloroethene	6/3/2002	73		2		ug/L
MWS-21	Trichloroethene	7/11/2002	75		2		ug/L
MWS-21	Uranium	3/27/2002	0.975	0.095	0.68	J	pCi/L
MWS-21	Uranium	4/17/2002	0.45	0.059	0.68	UJ	pCi/L
MWS-21	Uranium	5/13/2002	0.975	0.095	0.68	J	pCi/L
MWS-21	Uranium	6/3/2002	0.677		0.677	U	pCi/L
MWS-21	Uranium	7/11/2002	2.19	0.036	0.677		pCi/L
MWS-21	Vinyl chloride	3/27/2002	2.5		2.5	U	ug/L
MWS-21	Vinyl chloride	4/17/2002	1		1	U	ug/L
MWS-21	Vinyl chloride	5/13/2002	2.5		2.5	U	ug/L
MWS-21	Vinyl chloride	6/3/2002	2		2	U	ug/L
MWS-21	Vinyl chloride	7/11/2002	2		2	U	ug/L

LOCATION	ANALYTE	DATE SAMPLED	RESULT	UNCERTAINTY	DETECTION LIMIT	LAB QUALIFIERS	UNITS
MW-2037	1,3,5-Trinitrobenzene	3/4/2003	0.04		0.04	U	ug/L
MW-2037	1,3,5-Trinitrobenzene	9/8/2003	0.08		0.08	U	ug/L
MW-2037	1,3-Dinitrobenzene	3/4/2003	0.05		0.05	U	ug/L
MW-2037	1,3-Dinitrobenzene	9/8/2003	0.037		0.05	J	ug/L
MW-2037	2,4,6-Trinitrotoluene	3/4/2003	0.08		0.08	U	ug/L
MW-2037	2,4,6-Trinitrotoluene	9/8/2003	0.08		0.08	U	ug/L
MW-2037	2,4-Dinitrotoluene	3/4/2003	0.12		0.06		ug/L
MW-2037	2,4-Dinitrotoluene	9/8/2003	0.17		0.06		ug/L
MW-2037	2,6-Dinitrotoluene	3/4/2003	0.1		0.1	U	ug/L
MW-2037	2,6-Dinitrotoluene	9/8/2003	0.13		0.13	U	ug/L
MW-2037	Nitrobenzene	3/4/2003	0.08		0.08	U	ug/L
MW-2037	Nitrobenzene	9/8/2003	0.08		0.08	U	ug/L
MW-2037	Oxidation Reduction Potential	9/8/2003	283.3				mV
MW-2037	Specific Conductance	3/4/2003	944				umhos/cm
MW-2037	Specific Conductance	9/8/2003	1101				umhos/cm
MW-2037	Tetrachloroethene	3/4/2003	1		1	U	ug/L
MW-2037	Tetrachloroethene	9/8/2003	2		2	U	ug/L
MW-2037	Total 1,2-Dichloroethene	3/4/2003	2		1		ug/L
MW-2037	Total 1,2-Dichloroethene	9/8/2003	3		2		ug/L
MW-2037	Trichloroethene	3/4/2003	105		1		ug/L
MW-2037	Trichloroethene	9/8/2003	130		2		ug/L
MW-2037	Uranium	3/4/2003	0.575		0.0751	B	pCi/L
MW-2037	Vinyl chloride	3/4/2003	1		1	U	ug/L
MW-2037	Vinyl chloride	9/8/2003	2		2	U	ug/L
MW-3025	1,3,5-Trinitrobenzene	3/10/2003	0.04		0.04	U	ug/L
MW-3025	1,3-Dinitrobenzene	3/10/2003	0.05		0.05	U	ug/L
MW-3025	2,4,6-Trinitrotoluene	3/10/2003	0.08		0.08	U	ug/L
MW-3025	2,4-Dinitrotoluene	3/10/2003	0.06		0.06	U	ug/L
MW-3025	2,6-Dinitrotoluene	3/10/2003	0.1		0.1	U	ug/L
MW-3025	Nitrobenzene	3/10/2003	0.08		0.08	U	ug/L
MW-3025	Oxidation Reduction Potential	9/23/2003	344.2				mV
MW-3025	Specific Conductance	3/10/2003	3190				umhos/cm
MW-3025	Specific Conductance	9/23/2003	3188				umhos/cm
MW-3025	Tetrachloroethene	3/10/2003	1		1	U	ug/L
MW-3025	Tetrachloroethene	9/23/2003	2		2	U	ug/L
MW-3025	Total 1,2-Dichloroethene	3/10/2003	1		1	U	ug/L
MW-3025	Total 1,2-Dichloroethene	9/23/2003	2		2	U	ug/L
MW-3025	Trichloroethene	3/10/2003	7		1		ug/L
MW-3025	Trichloroethene	9/23/2003	5		2		ug/L
MW-3025	Uranium	3/10/2003	2.44		0.0751		pCi/L
MW-3025	Uranium	9/23/2003	2.64		0.0751		pCi/L
MW-3025	Vinyl chloride	3/10/2003	1		1	U	ug/L

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MW-3025	Vinyl chloride	9/23/2003	2		2	U	ug/L
MW-3028	1,3,5-Trinitrobenzene	3/4/2003	0.24		0.04		ug/L
MW-3028	1,3,5-Trinitrobenzene	9/4/2003	0.17		0.08		ug/L
MW-3028	1,3-Dinitrobenzene	3/4/2003	0.072		0.05		ug/L
MW-3028	1,3-Dinitrobenzene	9/4/2003	0.097		0.05		ug/L
MW-3028	2,4,6-Trinitrotoluene	3/4/2003	0.08		0.08	U	ug/L
MW-3028	2,4,6-Trinitrotoluene	9/4/2003	0.08		0.08	U	ug/L
MW-3028	2,4-Dinitrotoluene	3/4/2003	0.18		0.06		ug/L
MW-3028	2,4-Dinitrotoluene	9/4/2003	0.19		0.06		ug/L
MW-3028	2,6-Dinitrotoluene	3/4/2003	0.1		0.1	U	ug/L
MW-3028	2,6-Dinitrotoluene	9/4/2003	0.2		0.13		ug/L
MW-3028	Chromium	9/4/2003	0.1		0.000556		mg/L
MW-3028	Mercury	9/4/2003	0.00058		0.0001		mg/L
MW-3028	Nitrobenzene	3/4/2003	0.08		0.08	U	ug/L
MW-3028	Nitrobenzene	9/4/2003	0.08		0.08	U	ug/L
MW-3028	Oxidation Reduction Potential	9/4/2003	-26.4				mV
MW-3028	Silver	9/4/2003	0.00011		0.000111	U	mg/L
MW-3028	Specific Conductance	3/4/2003	2330				umhos/cm
MW-3028	Specific Conductance	9/4/2003	2279				umhos/cm
MW-3028	Tetrachloroethene	3/4/2003	1		1	U	ug/L
MW-3028	Tetrachloroethene	9/4/2003	2		2	U	ug/L
MW-3028	Total 1,2-Dichloroethene	3/4/2003	1		1	U	ug/L
MW-3028	Total 1,2-Dichloroethene	9/4/2003	2		2	U	ug/L
MW-3028	Trichloroethene	3/4/2003	11.1		1		ug/L
MW-3028	Trichloroethene	9/4/2003	16.7		2		ug/L
MW-3028	Uranium	3/4/2003	0.948		0.0751		pCi/L
MW-3028	Vinyl chloride	3/4/2003	1		1	U	ug/L
MW-3028	Vinyl chloride	9/4/2003	2		2	U	ug/L
MW-3029	1,3,5-Trinitrobenzene	3/4/2003	0.61		0.04		ug/L
MW-3029	1,3,5-Trinitrobenzene	9/4/2003	0.52		0.08		ug/L
MW-3029	1,3-Dinitrobenzene	3/4/2003	0.12		0.05		ug/L
MW-3029	1,3-Dinitrobenzene	9/4/2003	0.17		0.05		ug/L
MW-3029	2,4,6-Trinitrotoluene	3/4/2003	0.08		0.08	U	ug/L
MW-3029	2,4,6-Trinitrotoluene	9/4/2003	0.08		0.08	U	ug/L
MW-3029	2,4-Dinitrotoluene	3/4/2003	0.14		0.06		ug/L
MW-3029	2,4-Dinitrotoluene	9/4/2003	0.15		0.06		ug/L
MW-3029	2,6-Dinitrotoluene	3/4/2003	0.1		0.1	U	ug/L
MW-3029	2,6-Dinitrotoluene	9/4/2003	0.14		0.13		ug/L
MW-3029	Nitrobenzene	3/4/2003	0.08		0.08	U	ug/L
MW-3029	Nitrobenzene	9/4/2003	0.08		0.08	U	ug/L
MW-3029	Oxidation Reduction Potential	9/4/2003	256.7				mV
MW-3029	Specific Conductance	3/4/2003	3280				umhos/cm

LOCATION	ANALYTE	DATE SAMPLED	RESULT	UNCERTAINTY	DETECTION LIMIT	LAB QUALIFIERS	UNITS
MW-3029	Specific Conductance	9/4/2003	3221				umhos/cm
MW-3029	Tetrachloroethene	3/4/2003	2		2	U	ug/L
MW-3029	Tetrachloroethene	9/4/2003	2		2	U	ug/L
MW-3029	Total 1,2-Dichloroethene	3/4/2003	7		2	D	ug/L
MW-3029	Total 1,2-Dichloroethene	9/4/2003	6		2		ug/L
MW-3029	Trichloroethene	3/4/2003	328		2	D	ug/L
MW-3029	Trichloroethene	9/4/2003	292		10	D	ug/L
MW-3029	Uranium	3/4/2003	0.812		0.0751		pCi/L
MW-3029	Vinyl chloride	3/4/2003	2		2	U	ug/L
MW-3029	Vinyl chloride	9/4/2003	2		2	U	ug/L
MW-3030	1,3,5-Trinitrobenzene	3/10/2003	0.04		0.04	U	ug/L
MW-3030	1,3-Dinitrobenzene	3/10/2003	0.05		0.05	U	ug/L
MW-3030	2,4,6-Trinitrotoluene	3/10/2003	0.08		0.08	U	ug/L
MW-3030	2,4-Dinitrotoluene	3/10/2003	1.2		0.06		ug/L
MW-3030	2,6-Dinitrotoluene	3/10/2003	0.57		0.1		ug/L
MW-3030	Chromium	9/9/2003	0.00056		0.000556	U	mg/L
MW-3030	Mercury	9/9/2003	0.0001		0.0001	U	mg/L
MW-3030	Nitrobenzene	3/10/2003	0.08		0.08	U	ug/L
MW-3030	Oxidation Reduction Potential	9/9/2003	238.7				mV
MW-3030	Silver	9/9/2003	0.00011		0.000111	U	mg/L
MW-3030	Specific Conductance	3/10/2003	2940				umhos/cm
MW-3030	Specific Conductance	9/9/2003	2938				umhos/cm
MW-3030	Tetrachloroethene	3/10/2003	1		1	U	ug/L
MW-3030	Tetrachloroethene	9/9/2003	2		2	U	ug/L
MW-3030	Total 1,2-Dichloroethene	3/10/2003	28.6		1		ug/L
MW-3030	Total 1,2-Dichloroethene	9/9/2003	28.6		2		ug/L
MW-3030	Trichloroethene	3/10/2003	436		5	D	ug/L
MW-3030	Trichloroethene	9/9/2003	451		10	D	ug/L
MW-3030	Uranium	3/10/2003	53.3		0.0751		pCi/L
MW-3030	Vinyl chloride	3/10/2003	1		1	U	ug/L
MW-3030	Vinyl chloride	9/9/2003	2		2	U	ug/L
MW-3034	1,3,5-Trinitrobenzene	3/5/2003	0.15		0.04		ug/L
MW-3034	1,3,5-Trinitrobenzene	9/8/2003	0.14		0.08		ug/L
MW-3034	1,3-Dinitrobenzene	3/5/2003	0.097		0.05		ug/L
MW-3034	1,3-Dinitrobenzene	9/8/2003	0.097		0.05		ug/L
MW-3034	2,4,6-Trinitrotoluene	3/5/2003	0.08		0.08	U	ug/L
MW-3034	2,4,6-Trinitrotoluene	9/8/2003	0.08		0.08	U	ug/L
MW-3034	2,4-Dinitrotoluene	3/5/2003	0.36		0.06		ug/L
MW-3034	2,4-Dinitrotoluene	9/8/2003	0.29		0.06		ug/L
MW-3034	2,6-Dinitrotoluene	3/5/2003	0.17		0.1		ug/L
MW-3034	2,6-Dinitrotoluene	9/8/2003	0.17		0.13		ug/L
MW-3034	Chromium	9/8/2003	0.0866		0.000556		mg/L

LOCATION	ANALYTE	DATE SAMPLED	RESULT	UNCERTAINTY	DETECTION LIMIT	LAB QUALIFIERS	UNITS
MW-3034	Mercury	9/8/2003	0.0033		0.0001		mg/L
MW-3034	Nitrobenzene	3/5/2003	0.08		0.08	U	ug/L
MW-3034	Nitrobenzene	9/8/2003	0.08		0.08	U	ug/L
MW-3034	Oxidation Reduction Potential	9/8/2003	523.8				mV
MW-3034	Silver	9/8/2003	0.00011		0.000111	U	mg/L
MW-3034	Specific Conductance	3/5/2003	5380				umhos/cm
MW-3034	Specific Conductance	9/8/2003	4369				umhos/cm
MW-3034	Tetrachloroethene	3/5/2003	2		2	U	ug/L
MW-3034	Tetrachloroethene	9/8/2003	2		2	U	ug/L
MW-3034	Total 1,2-Dichloroethene	3/5/2003	5		2	D	ug/L
MW-3034	Total 1,2-Dichloroethene	9/8/2003	7		2		ug/L
MW-3034	Trichloroethene	3/5/2003	203		2	D	ug/L
MW-3034	Trichloroethene	9/8/2003	307		4	D	ug/L
MW-3034	Uranium	3/5/2003	2.1		0.0751		pCi/L
MW-3034	Uranium	9/8/2003	2.03		0.0751		pCi/L
MW-3034	Vinyl chloride	3/5/2003	2		2	U	ug/L
MW-3034	Vinyl chloride	9/8/2003	2		2	U	ug/L
MW-3035	1,3,5-Trinitrobenzene	3/4/2003	0.04		0.04	U	ug/L
MW-3035	1,3,5-Trinitrobenzene	3/4/2003	0.04		0.04	U	ug/L
MW-3035	1,3,5-Trinitrobenzene	9/8/2003	0.08		0.08	U	ug/L
MW-3035	1,3-Dinitrobenzene	3/4/2003	0.05		0.05	U	ug/L
MW-3035	1,3-Dinitrobenzene	3/4/2003	0.11		0.05		ug/L
MW-3035	1,3-Dinitrobenzene	9/8/2003	0.071		0.05		ug/L
MW-3035	2,4,6-Trinitrotoluene	3/4/2003	0.08		0.08	U	ug/L
MW-3035	2,4,6-Trinitrotoluene	3/4/2003	0.08		0.08	U	ug/L
MW-3035	2,4,6-Trinitrotoluene	9/8/2003	0.08		0.08	U	ug/L
MW-3035	2,4-Dinitrotoluene	3/4/2003	0.11		0.06		ug/L
MW-3035	2,4-Dinitrotoluene	3/4/2003	0.15		0.06		ug/L
MW-3035	2,4-Dinitrotoluene	9/8/2003	0.19		0.06		ug/L
MW-3035	2,6-Dinitrotoluene	3/4/2003	0.1		0.1	U	ug/L
MW-3035	2,6-Dinitrotoluene	3/4/2003	0.1		0.1	U	ug/L
MW-3035	2,6-Dinitrotoluene	9/8/2003	0.16		0.13		ug/L
MW-3035	Nitrobenzene	3/4/2003	0.08		0.08	U	ug/L
MW-3035	Nitrobenzene	3/4/2003	0.08		0.08	U	ug/L
MW-3035	Nitrobenzene	9/8/2003	0.08		0.08	U	ug/L
MW-3035	Oxidation Reduction Potential	9/8/2003	309.8				mV
MW-3035	Specific Conductance	3/4/2003	2580				umhos/cm
MW-3035	Specific Conductance	9/8/2003	2699				umhos/cm
MW-3035	Tetrachloroethene	3/4/2003	1		1	U	ug/L
MW-3035	Tetrachloroethene	3/4/2003	1		1	U	ug/L
MW-3035	Tetrachloroethene	9/8/2003	2		2	U	ug/L
MW-3035	Total 1,2-Dichloroethene	3/4/2003	2		1		ug/L

LOCATION	ANALYTE	DATE SAMPLED	RESULT	UNCERTAINTY	DETECTION LIMIT	LAB QUALIFIERS	UNITS
MW-3035	Total 1,2-Dichloroethene	3/4/2003	2		1		ug/L
MW-3035	Total 1,2-Dichloroethene	9/8/2003	3		2		ug/L
MW-3035	Trichloroethene	3/4/2003	111		1		ug/L
MW-3035	Trichloroethene	3/4/2003	108		1		ug/L
MW-3035	Trichloroethene	9/8/2003	185		2		ug/L
MW-3035	Uranium	3/4/2003	1.02		0.0751		pCi/L
MW-3035	Uranium	3/4/2003	0.948		0.0751		pCi/L
MW-3035	Vinyl chloride	3/4/2003	1		1	U	ug/L
MW-3035	Vinyl chloride	3/4/2003	1		1	U	ug/L
MW-3035	Vinyl chloride	9/8/2003	2		2	U	ug/L
MW-3036	1,3,5-Trinitrobenzene	3/5/2003	0.04		0.04	U	ug/L
MW-3036	1,3,5-Trinitrobenzene	9/8/2003	0.08		0.08	U	ug/L
MW-3036	1,3-Dinitrobenzene	3/5/2003	0.05		0.05	U	ug/L
MW-3036	1,3-Dinitrobenzene	9/8/2003	0.05		0.05	U	ug/L
MW-3036	2,4,6-Trinitrotoluene	3/5/2003	0.08		0.08	U	ug/L
MW-3036	2,4,6-Trinitrotoluene	9/8/2003	0.08		0.08	U	ug/L
MW-3036	2,4-Dinitrotoluene	3/5/2003	0.06		0.06	U	ug/L
MW-3036	2,4-Dinitrotoluene	9/8/2003	0.051		0.06	J	ug/L
MW-3036	2,6-Dinitrotoluene	3/5/2003	0.1		0.1	U	ug/L
MW-3036	2,6-Dinitrotoluene	9/8/2003	0.13		0.13	U	ug/L
MW-3036	Nitrobenzene	3/5/2003	0.08		0.08	U	ug/L
MW-3036	Nitrobenzene	9/8/2003	0.08		0.08	U	ug/L
MW-3036	Oxidation Reduction Potential	9/8/2003	321.4				mV
MW-3036	Specific Conductance	3/5/2003	1150				umhos/cm
MW-3036	Specific Conductance	9/8/2003	913				umhos/cm
MW-3036	Tetrachloroethene	3/5/2003	1		1	U	ug/L
MW-3036	Tetrachloroethene	9/8/2003	2		2	U	ug/L
MW-3036	Total 1,2-Dichloroethene	3/5/2003	1		1	U	ug/L
MW-3036	Total 1,2-Dichloroethene	9/8/2003	2		2	U	ug/L
MW-3036	Trichloroethene	3/5/2003	10.3		1		ug/L
MW-3036	Trichloroethene	9/8/2003	2		2	U	ug/L
MW-3036	Uranium	3/5/2003	1.42		0.0751		pCi/L
MW-3036	Vinyl chloride	3/5/2003	1		1	U	ug/L
MW-3036	Vinyl chloride	9/8/2003	2		2	U	ug/L
MW-3039	1,3,5-Trinitrobenzene	3/5/2003	0.38		0.04		ug/L
MW-3039	1,3,5-Trinitrobenzene	9/9/2003	0.39		0.08		ug/L
MW-3039	1,3-Dinitrobenzene	3/5/2003	0.08		0.05		ug/L
MW-3039	1,3-Dinitrobenzene	9/9/2003	0.075		0.05		ug/L
MW-3039	2,4,6-Trinitrotoluene	3/5/2003	0.08		0.08	U	ug/L
MW-3039	2,4,6-Trinitrotoluene	9/9/2003	0.08		0.08	U	ug/L
MW-3039	2,4-Dinitrotoluene	3/5/2003	1.7		0.06		ug/L
MW-3039	2,4-Dinitrotoluene	9/9/2003	1.4		0.06		ug/L

LOCATION	ANALYTE	DATE SAMPLED	RESULT	UNCERTAINTY	DETECTION LIMIT	LAB QUALIFIERS	UNITS
MW-3039	2,6-Dinitrotoluene	3/5/2003	0.2		0.1		ug/L
MW-3039	2,6-Dinitrotoluene	9/9/2003	0.21		0.13		ug/L
MW-3039	Nitrobenzene	3/5/2003	0.08		0.08	U	ug/L
MW-3039	Nitrobenzene	9/9/2003	0.08		0.08	U	ug/L
MW-3039	Oxidation Reduction Potential	9/9/2003	251.4				mV
MW-3039	Specific Conductance	3/5/2003	6340				umhos/cm
MW-3039	Specific Conductance	9/9/2003	6280				umhos/cm
MW-3039	Tetrachloroethene	3/5/2003	1		1	U	ug/L
MW-3039	Tetrachloroethene	9/9/2003	2		2	U	ug/L
MW-3039	Total 1,2-Dichloroethene	3/5/2003	11.6		1		ug/L
MW-3039	Total 1,2-Dichloroethene	9/9/2003	11.2		2		ug/L
MW-3039	Trichloroethene	3/5/2003	191		1		ug/L
MW-3039	Trichloroethene	9/9/2003	199		2		ug/L
MW-3039	Uranium	3/5/2003	1.22		0.0751		pCi/L
MW-3039	Uranium	9/9/2003	1.29		0.0751		pCi/L
MW-3039	Vinyl chloride	3/5/2003	1		1	U	ug/L
MW-3039	Vinyl chloride	9/9/2003	2		2	U	ug/L
MW-4028	1,3,5-Trinitrobenzene	3/6/2003	0.04		0.04	U	ug/L
MW-4028	1,3,5-Trinitrobenzene	9/9/2003	0.08		0.08	U	ug/L
MW-4028	1,3-Dinitrobenzene	3/6/2003	0.075		0.05		ug/L
MW-4028	1,3-Dinitrobenzene	9/9/2003	0.05		0.05	U	ug/L
MW-4028	2,4,6-Trinitrotoluene	3/6/2003	0.08		0.08	U	ug/L
MW-4028	2,4,6-Trinitrotoluene	9/9/2003	0.08		0.08	U	ug/L
MW-4028	2,4-Dinitrotoluene	3/6/2003	0.13		0.06		ug/L
MW-4028	2,4-Dinitrotoluene	9/9/2003	0.13		0.06		ug/L
MW-4028	2,6-Dinitrotoluene	3/6/2003	0.1		0.1	U	ug/L
MW-4028	2,6-Dinitrotoluene	9/9/2003	0.29		0.13		ug/L
MW-4028	Chromium	9/9/2003	0.0866		0.000556		mg/L
MW-4028	Mercury	9/9/2003	0.0021		0.0001		mg/L
MW-4028	Nitrobenzene	3/6/2003	0.08		0.08	U	ug/L
MW-4028	Nitrobenzene	9/9/2003	0.08		0.08	U	ug/L
MW-4028	Silver	9/9/2003	0.00011		0.000111	U	mg/L
MW-4028	Tetrachloroethene	3/6/2003	1		1	U	ug/L
MW-4028	Tetrachloroethene	9/9/2003	2		2	U	ug/L
MW-4028	Total 1,2-Dichloroethene	3/6/2003	1		1	U	ug/L
MW-4028	Total 1,2-Dichloroethene	9/9/2003	2		2	U	ug/L
MW-4028	Trichloroethene	3/6/2003	1		1	U	ug/L
MW-4028	Trichloroethene	9/9/2003	2		2	U	ug/L
MW-4028	Uranium	3/6/2003	0.812		0.0751		pCi/L
MW-4028	Vinyl chloride	3/6/2003	1		1	U	ug/L
MW-4028	Vinyl chloride	9/9/2003	2		2	U	ug/L
MW-4029	1,3,5-Trinitrobenzene	3/11/2003	1.4		0.04		ug/L

LOCATION	ANALYTE	DATE SAMPLED	RESULT	UNCERTAINTY	DETECTION LIMIT	LAB QUALIFIERS	UNITS
MW-4029	1,3,5-Trinitrobenzene	9/9/2003	1.5		0.08		ug/L
MW-4029	1,3-Dinitrobenzene	3/11/2003	0.13		0.05		ug/L
MW-4029	1,3-Dinitrobenzene	9/9/2003	0.15		0.05		ug/L
MW-4029	2,4,6-Trinitrotoluene	3/11/2003	0.08		0.08	U	ug/L
MW-4029	2,4,6-Trinitrotoluene	9/9/2003	0.08		0.08	U	ug/L
MW-4029	2,4-Dinitrotoluene	3/11/2003	0.62		0.06		ug/L
MW-4029	2,4-Dinitrotoluene	9/9/2003	1		0.06		ug/L
MW-4029	2,6-Dinitrotoluene	3/11/2003	0.54		0.1		ug/L
MW-4029	2,6-Dinitrotoluene	9/9/2003	0.5		0.13		ug/L
MW-4029	Nitrobenzene	3/11/2003	0.08		0.08	U	ug/L
MW-4029	Nitrobenzene	9/9/2003	0.08		0.08	U	ug/L
MW-4029	Oxidation Reduction Potential	9/9/2003	318.9				mV
MW-4029	Specific Conductance	3/11/2003	4430				umhos/cm
MW-4029	Specific Conductance	9/9/2003	4373				umhos/cm
MW-4029	Tetrachloroethene	3/11/2003	1		1	U	ug/L
MW-4029	Tetrachloroethene	9/9/2003	2		2	U	ug/L
MW-4029	Total 1,2-Dichloroethene	3/11/2003	10.6		1		ug/L
MW-4029	Total 1,2-Dichloroethene	9/9/2003	9		2		ug/L
MW-4029	Trichloroethene	3/11/2003	622		5	D	ug/L
MW-4029	Trichloroethene	9/9/2003	548		20	D	ug/L
MW-4029	Uranium	3/11/2003	0.7		0.0751	B	pCi/L
MW-4029	Vinyl chloride	3/11/2003	1		1	U	ug/L
MW-4029	Vinyl chloride	9/9/2003	2		2	U	ug/L
MW-4032	1,3,5-Trinitrobenzene	3/6/2003	1.8		0.04		ug/L
MW-4032	1,3,5-Trinitrobenzene	9/10/2003	1.7		0.08		ug/L
MW-4032	1,3-Dinitrobenzene	3/6/2003	0.081		0.05		ug/L
MW-4032	1,3-Dinitrobenzene	9/10/2003	0.09		0.05		ug/L
MW-4032	2,4,6-Trinitrotoluene	3/6/2003	0.08		0.08	U	ug/L
MW-4032	2,4,6-Trinitrotoluene	9/10/2003	0.08		0.08	U	ug/L
MW-4032	2,4-Dinitrotoluene	3/6/2003	0.083		0.06		ug/L
MW-4032	2,4-Dinitrotoluene	9/10/2003	0.092		0.06		ug/L
MW-4032	2,6-Dinitrotoluene	3/6/2003	0.1		0.1	U	ug/L
MW-4032	2,6-Dinitrotoluene	9/10/2003	0.19		0.13		ug/L
MW-4032	Nitrobenzene	3/6/2003	0.08		0.08	U	ug/L
MW-4032	Nitrobenzene	9/10/2003	0.08		0.08	U	ug/L
MW-4032	Oxidation Reduction Potential	9/10/2003	274				mV
MW-4032	Specific Conductance	3/6/2003	1980				umhos/cm
MW-4032	Specific Conductance	9/10/2003	1691				umhos/cm
MW-4032	Tetrachloroethene	3/6/2003	1		1	U	ug/L
MW-4032	Tetrachloroethene	9/10/2003	2		2	U	ug/L
MW-4032	Total 1,2-Dichloroethene	3/6/2003	1		1	U	ug/L
MW-4032	Total 1,2-Dichloroethene	9/10/2003	2		2	U	ug/L

LOCATION	ANALYTE	DATE SAMPLED	RESULT	UNCERTAINTY	DETECTION LIMIT	LAB QUALIFIERS	UNITS
MW-4032	Trichloroethene	3/6/2003	63		1		ug/L
MW-4032	Trichloroethene	9/10/2003	56.2		2		ug/L
MW-4032	Uranium	3/6/2003	0.812		0.0751		pCi/L
MW-4032	Vinyl chloride	3/6/2003	1		1	U	ug/L
MW-4032	Vinyl chloride	9/10/2003	2		2	U	ug/L
MW-ICO2	Chromium	9/25/2003	0.013		0.000556		mg/L
MW-ICO2	Mercury	9/25/2003	0.0017		0.0001		mg/L
MW-ICO2	Oxidation Reduction Potential	9/25/2003	255.9				mV
MW-ICO2	Silver	9/25/2003	0.00046		0.000111	B	mg/L
MW-ICO2	Specific Conductance	9/25/2003	1891				umhos/cm
MW-ICO2	Tetrachloroethene	9/25/2003	2		2	U	ug/L
MW-ICO2	Total 1,2-Dichloroethene	9/25/2003	5		2		ug/L
MW-ICO2	Trichloroethene	9/25/2003	199		2		ug/L
MW-ICO2	Vinyl chloride	9/25/2003	2		2	U	ug/L
MW-ICO5	Chromium	9/25/2003	0.0044		0.000556	B	mg/L
MW-ICO5	Mercury	9/25/2003	0.0001		0.0001	U	mg/L
MW-ICO5	Oxidation Reduction Potential	9/25/2003	601.1				mV
MW-ICO5	Silver	9/25/2003	0.00028		0.000111	B	mg/L
MW-ICO5	Specific Conductance	9/25/2003	1833				umhos/cm
MW-ICO5	Tetrachloroethene	9/25/2003	2		2	U	ug/L
MW-ICO5	Total 1,2-Dichloroethene	9/25/2003	2		2		ug/L
MW-ICO5	Trichloroethene	9/25/2003	144		2		ug/L
MW-ICO5	Vinyl chloride	9/25/2003	2		2	U	ug/L
MWS-21	1,3,5-Trinitrobenzene	3/13/2003	0.04		0.04	U	ug/L
MWS-21	1,3,5-Trinitrobenzene	9/15/2003	0.08		0.08	U	ug/L
MWS-21	1,3-Dinitrobenzene	3/13/2003	0.05		0.05	U	ug/L
MWS-21	1,3-Dinitrobenzene	9/15/2003	0.094		0.05		ug/L
MWS-21	2,4,6-Trinitrotoluene	3/13/2003	0.08		0.08	U	ug/L
MWS-21	2,4,6-Trinitrotoluene	9/15/2003	0.08		0.08	U	ug/L
MWS-21	2,4-Dinitrotoluene	3/13/2003	0.06		0.06	U	ug/L
MWS-21	2,4-Dinitrotoluene	9/15/2003	0.072		0.06		ug/L
MWS-21	2,6-Dinitrotoluene	3/13/2003	0.1		0.1	U	ug/L
MWS-21	2,6-Dinitrotoluene	9/15/2003	0.13		0.13	U	ug/L
MWS-21	Nitrobenzene	3/13/2003	0.08		0.08	U	ug/L
MWS-21	Nitrobenzene	9/15/2003	0.08		0.08	U	ug/L
MWS-21	Oxidation Reduction Potential	9/15/2003	298.6				mV
MWS-21	Specific Conductance	3/13/2003	1810				umhos/cm
MWS-21	Specific Conductance	9/15/2003	1388				umhos/cm
MWS-21	Tetrachloroethene	3/13/2003	1		1	U	ug/L
MWS-21	Tetrachloroethene	9/15/2003	2		2	U	ug/L
MWS-21	Total 1,2-Dichloroethene	3/13/2003	1		1	U	ug/L
MWS-21	Total 1,2-Dichloroethene	9/15/2003	2		2	U	ug/L

LOCATION	ANALYTE	DATE SAMPLED	RESULT	UNCERTAINTY	DETECTION LIMIT	LAB QUALIFIERS	UNITS
MWS-21	Trichloroethene	3/13/2003	73.9		1		ug/L
MWS-21	Trichloroethene	9/15/2003	49.6		2		ug/L
MWS-21	Uranium	3/13/2003	1.15		0.0751		pCi/L
MWS-21	Vinyl chloride	3/13/2003	1		1	U	ug/L
MWS-21	Vinyl chloride	9/15/2003	2		2	U	ug/L

LOCATION	ANALYTE	DATE SAMPLED	RESULT	UNCERTAINTY	DETECTION LIMIT	LAB_QUALIFIERS	UNITS
SP-5304	Arsenic	4/1/2002	0.0012		0.0012	U	mg/L
SP-5304	Arsenic	5/16/2002	0.0024		0.0024	U	mg/L
SP-5304	Arsenic	6/12/2002	0.0024		0.0024	U	mg/L
SP-5304	Arsenic	7/12/2002	0.0019		0.0019	U	mg/L
SP-5304	Barium	4/1/2002	0.0746		0.0108	B	mg/L
SP-5304	Barium	5/16/2002	0.0769		0.0038	B	mg/L
SP-5304	Barium	6/12/2002	0.0662		0.0041	B	mg/L
SP-5304	Barium	7/12/2002	0.0875		0.0025	B	mg/L
SP-5304	Cadmium	4/1/2002	0.00031		0.00031	U	mg/L
SP-5304	Cadmium	5/16/2002	0.0013		0.0013	U	mg/L
SP-5304	Cadmium	6/12/2002	0.0013		0.0013	U	mg/L
SP-5304	Cadmium	7/12/2002	0.00061		0.00061	U	mg/L
SP-5304	Chromium	4/1/2002	0.00073		0.00073	U	mg/L
SP-5304	Chromium	5/16/2002	0.0013		0.0013	U	mg/L
SP-5304	Chromium	6/12/2002	0.0013		0.0013	U	mg/L
SP-5304	Chromium	7/12/2002	0.00099		0.00099	U	mg/L
SP-5304	Lead	4/1/2002	0.00099		0.00099	U	mg/L
SP-5304	Lead	5/16/2002	0.0021		0.0021	U	mg/L
SP-5304	Lead	6/12/2002	0.0021		0.0021	U	mg/L
SP-5304	Lead	7/12/2002	0.0051		0.00093	J	mg/L
SP-5304	Manganese	4/1/2002	0.0004		0.0004	U	mg/L
SP-5304	Manganese	5/16/2002	0.0014		0.0014	U	mg/L
SP-5304	Manganese	6/12/2002	0.0007		0.0007	U	mg/L
SP-5304	Manganese	7/12/2002	0.0292		0.0007		mg/L
SP-5304	Mercury	4/1/2002	0.0001		0.0001	U	mg/L
SP-5304	Mercury	5/16/2002	0.0001		0.0001	U	mg/L
SP-5304	Mercury	6/12/2002	0.0001		0.0001	U	mg/L
SP-5304	Mercury	7/12/2002	0.0001		0.0001	U	mg/L
SP-5304	Nitrate as Nitrogen	4/1/2002	0.27		0.05		mg/L
SP-5304	Nitrate as Nitrogen	5/16/2002	0.32		0.05		mg/L
SP-5304	Nitrate as Nitrogen	6/12/2002	0.75		0.2		mg/L
SP-5304	Nitrate as Nitrogen	7/12/2002	1.9		0.2		mg/L
SP-5304	Selenium	4/1/2002	0.0012		0.0012	U	mg/L
SP-5304	Selenium	5/16/2002	0.0022		0.0022	U	mg/L
SP-5304	Selenium	6/12/2002	0.0022		0.0022	U	mg/L
SP-5304	Selenium	7/12/2002	0.0024		0.0024	U	mg/L
SP-5304	Silver	4/1/2002	0.0017		0.0017	U	mg/L
SP-5304	Silver	5/16/2002	0.001		0.001	U	mg/L
SP-5304	Silver	6/12/2002	0.0016		0.0016	U	mg/L

LOCATION	ANALYTE	DATE SAMPLED	RESULT	UNCERTAINTY	DETECTION LIMIT	LAB_QUALIFIERS	UNITS
SP-5304	Silver	7/12/2002	0.0008		0.0008	U	mg/L
SP-5304	Tetrachloroethene	3/4/2002	1		1	U	ug/L
SP-5304	Tetrachloroethene	4/1/2002	1		1	U	ug/L
SP-5304	Tetrachloroethene	5/16/2002	1		1	U	ug/L
SP-5304	Tetrachloroethene	6/12/2002	1		1	U	ug/L
SP-5304	Tetrachloroethene	6/25/2002	1		1	U	ug/L
SP-5304	Tetrachloroethene	7/12/2002	1		1	U	ug/L
SP-5304	Total 1,2-Dichloroethene	3/4/2002	2		2	U	ug/L
SP-5304	Total 1,2-Dichloroethene	4/1/2002	2		2	U	ug/L
SP-5304	Total 1,2-Dichloroethene	5/16/2002	2		2	U	ug/L
SP-5304	Total 1,2-Dichloroethene	6/12/2002	2		2	U	ug/L
SP-5304	Total 1,2-Dichloroethene	6/25/2002	2		2	U	ug/L
SP-5304	Total 1,2-Dichloroethene	7/12/2002	2		2	U	ug/L
SP-5304	Trichloroethene	3/4/2002	1		1	U	ug/L
SP-5304	Trichloroethene	4/1/2002	1		1	U	ug/L
SP-5304	Trichloroethene	5/16/2002	1		1	U	ug/L
SP-5304	Trichloroethene	6/12/2002	1		1	U	ug/L
SP-5304	Trichloroethene	6/25/2002	1		1	U	ug/L
SP-5304	Trichloroethene	7/12/2002	1		1	U	ug/L
SP-5304	Uranium	3/4/2002	36.8	0.453	0.677		pCi/L
SP-5304	Uranium	4/1/2002	49.2	5.7	0.7		pCi/L
SP-5304	Uranium	4/9/2002	31	3.6	0.7		pCi/L
SP-5304	Uranium	5/16/2002	34.5	4	0.7		pCi/L
SP-5304	Uranium	6/12/2002	9.5	1.1	1		pCi/L
SP-5304	Uranium	6/25/2002	55.8	6.4	0.7		pCi/L
SP-5304	Uranium	7/12/2002	56.3	6.5	0.7		pCi/L
SP-5304	Vinyl chloride	4/1/2002	1		1	U	ug/L
SP-5304	Vinyl chloride	5/16/2002	1		1	U	ug/L
SP-5304	Vinyl chloride	6/12/2002	1		1	U	ug/L
SP-5304	Vinyl chloride	6/25/2002	1		1	U	ug/L
SP-5304	Vinyl chloride	7/12/2002	1		1	U	ug/L
SP-6301	Arsenic	4/1/2002	0.0012		0.0012	U	mg/L
SP-6301	Arsenic	5/16/2002	0.0024		0.0024	U	mg/L
SP-6301	Arsenic	6/11/2002	0.0024		0.0024	U	mg/L
SP-6301	Arsenic	6/20/2002	0.0024		0.0024	U	mg/L
SP-6301	Arsenic	7/12/2002	0.0019		0.0019	U	mg/L
SP-6301	Barium	4/1/2002	0.0795		0.0108	B	mg/L
SP-6301	Barium	5/16/2002	0.0835		0.0038	B	mg/L
SP-6301	Barium	6/11/2002	0.114		0.0041	B	mg/L

LOCATION	ANALYTE	DATE SAMPLED	RESULT	UNCERTAINTY	DETECTION LIMIT	LAB_QUALIFIERS	UNITS
SP-6301	Barium	6/20/2002	0.113		0.0038	B	mg/L
SP-6301	Barium	7/12/2002	0.101		0.0025	B	mg/L
SP-6301	Cadmium	4/1/2002	0.00031		0.00031	U	mg/L
SP-6301	Cadmium	5/16/2002	0.0013		0.0013	U	mg/L
SP-6301	Cadmium	6/11/2002	0.0013		0.0013	U	mg/L
SP-6301	Cadmium	7/12/2002	0.0011		0.00061	B	mg/L
SP-6301	Chromium	4/1/2002	0.00073		0.00073	U	mg/L
SP-6301	Chromium	5/16/2002	0.0013		0.0013	U	mg/L
SP-6301	Chromium	6/11/2002	0.0013		0.0013	U	mg/L
SP-6301	Chromium	6/20/2002	0.0017		0.0013	B	mg/L
SP-6301	Chromium	7/12/2002	0.0031		0.00099	B	mg/L
SP-6301	Lead	4/1/2002	0.00099		0.00099	U	mg/L
SP-6301	Lead	5/16/2002	0.0021		0.0021	U	mg/L
SP-6301	Lead	6/11/2002	0.0021		0.0021	U	mg/L
SP-6301	Lead	6/20/2002	0.0021		0.0021	U	mg/L
SP-6301	Lead	7/12/2002	0.0025		0.00093	BJ	mg/L
SP-6301	Manganese	4/1/2002	0.0004		0.0004	U	mg/L
SP-6301	Manganese	5/16/2002	0.0014		0.0014	U	mg/L
SP-6301	Manganese	6/11/2002	0.0007		0.0007	U	mg/L
SP-6301	Manganese	7/12/2002	0.0023		0.0007	B	mg/L
SP-6301	Mercury	4/1/2002	0.0001		0.0001	U	mg/L
SP-6301	Mercury	5/16/2002	0.0001		0.0001	U	mg/L
SP-6301	Mercury	6/11/2002	0.0001		0.0001	U	mg/L
SP-6301	Mercury	7/12/2002	0.0001		0.0001	U	mg/L
SP-6301	Nitrate as Nitrogen	3/4/2002	0.97		0.2		mg/L
SP-6301	Nitrate as Nitrogen	4/1/2002	2.2		0.2		mg/L
SP-6301	Nitrate as Nitrogen	4/9/2002	1.1		0.2		mg/L
SP-6301	Nitrate as Nitrogen	5/16/2002	1.1		0.05		mg/L
SP-6301	Nitrate as Nitrogen	6/11/2002	5.3		2		mg/L
SP-6301	Nitrate as Nitrogen	6/20/2002	3.8		2		mg/L
SP-6301	Nitrate as Nitrogen	7/12/2002	4.2		2		mg/L
SP-6301	Selenium	4/1/2002	0.0012		0.0012	U	mg/L
SP-6301	Selenium	5/16/2002	0.0022		0.0022	U	mg/L
SP-6301	Selenium	6/11/2002	0.0022		0.0022	U	mg/L
SP-6301	Selenium	6/20/2002	0.0022		0.0022	U	mg/L
SP-6301	Selenium	7/12/2002	0.0024		0.0024	U	mg/L
SP-6301	Silver	4/1/2002	0.0017		0.0017	U	mg/L
SP-6301	Silver	5/16/2002	0.001		0.001	U	mg/L
SP-6301	Silver	6/11/2002	0.0016		0.0016	U	mg/L

LOCATION	ANALYTE	DATE SAMPLED	RESULT	UNCERTAINTY	DETECTION LIMIT	LAB_QUALIFIERS	UNITS
SP-6301	Silver	6/20/2002	0.001		0.001	U	mg/L
SP-6301	Silver	7/12/2002	0.0008		0.0008	U	mg/L
SP-6301	Tetrachloroethene	3/4/2002	1		1	U	ug/L
SP-6301	Tetrachloroethene	4/1/2002	1		1	U	ug/L
SP-6301	Tetrachloroethene	5/16/2002	1		1	U	ug/L
SP-6301	Tetrachloroethene	6/11/2002	1		1	U	ug/L
SP-6301	Tetrachloroethene	7/12/2002	1		1	U	ug/L
SP-6301	Total 1,2-Dichloroethene	3/4/2002	2		2	U	ug/L
SP-6301	Total 1,2-Dichloroethene	4/1/2002	2		2	U	ug/L
SP-6301	Total 1,2-Dichloroethene	5/16/2002	2		2	U	ug/L
SP-6301	Total 1,2-Dichloroethene	6/11/2002	2		2	U	ug/L
SP-6301	Total 1,2-Dichloroethene	7/12/2002	2		2	U	ug/L
SP-6301	Trichloroethene	3/4/2002	1		1	U	ug/L
SP-6301	Trichloroethene	4/1/2002	1		1	U	ug/L
SP-6301	Trichloroethene	5/16/2002	1		1	U	ug/L
SP-6301	Trichloroethene	6/11/2002	1		1	U	ug/L
SP-6301	Trichloroethene	7/12/2002	1		1	U	ug/L
SP-6301	Uranium	3/4/2002	11.4	0.146	0.677		pCi/L
SP-6301	Uranium	4/1/2002	17	2	0.7		pCi/L
SP-6301	Uranium	4/9/2002	9.5	1.1	0.7		pCi/L
SP-6301	Uranium	5/16/2002	11.8	1.2	2.7		pCi/L
SP-6301	Uranium	6/11/2002	22.2	0.466	0.677		pCi/L
SP-6301	Uranium	6/20/2002	28.6	3.3	0.7		pCi/L
SP-6301	Uranium	7/12/2002	14.3	1.6	0.7		pCi/L
SP-6301	Vinyl chloride	3/4/2002	2		2	U	ug/L
SP-6301	Vinyl chloride	4/1/2002	1		1	U	ug/L
SP-6301	Vinyl chloride	5/16/2002	1		1	U	ug/L
SP-6301	Vinyl chloride	6/11/2002	1		1	U	ug/L
SP-6301	Vinyl chloride	7/12/2002	1		1	U	ug/L
SP-6303	Arsenic	4/1/2002	0.0012		0.0012	U	mg/L
SP-6303	Arsenic	5/16/2002	0.0024		0.0024	U	mg/L
SP-6303	Arsenic	6/11/2002	0.0024		0.0024	U	mg/L
SP-6303	Arsenic	7/12/2002	0.0019		0.0019	U	mg/L
SP-6303	Barium	4/1/2002	0.0781		0.0108	B	mg/L
SP-6303	Barium	5/16/2002	0.0847		0.0038	B	mg/L
SP-6303	Barium	6/11/2002	0.107		0.0041	B	mg/L
SP-6303	Barium	7/12/2002	0.117		0.0025	B	mg/L
SP-6303	Cadmium	4/1/2002	0.00031		0.00031	U	mg/L
SP-6303	Cadmium	5/16/2002	0.0013		0.0013	U	mg/L

LOCATION	ANALYTE	DATE SAMPLED	RESULT	UNCERTAINTY	DETECTION LIMIT	LAB_QUALIFIERS	UNITS
SP-6303	Cadmium	6/11/2002	0.0013		0.0013	U	mg/L
SP-6303	Cadmium	7/12/2002	0.00061		0.00061	U	mg/L
SP-6303	Chromium	4/1/2002	0.00073		0.00073	U	mg/L
SP-6303	Chromium	5/16/2002	0.0013		0.0013	U	mg/L
SP-6303	Chromium	6/11/2002	0.0013		0.0013	U	mg/L
SP-6303	Chromium	7/12/2002	0.00099		0.00099	U	mg/L
SP-6303	Lead	4/1/2002	0.00099		0.00099	U	mg/L
SP-6303	Lead	5/16/2002	0.0021		0.0021	U	mg/L
SP-6303	Lead	6/11/2002	0.0021		0.0021	U	mg/L
SP-6303	Lead	7/12/2002	0.0034		0.00093	J	mg/L
SP-6303	Manganese	4/1/2002	0.0491		0.0004		mg/L
SP-6303	Manganese	5/16/2002	0.03		0.0014		mg/L
SP-6303	Manganese	6/11/2002	0.0239		0.0007		mg/L
SP-6303	Manganese	7/12/2002	0.016		0.0007		mg/L
SP-6303	Mercury	4/1/2002	0.0001		0.0001	U	mg/L
SP-6303	Mercury	5/16/2002	0.0001		0.0001	U	mg/L
SP-6303	Mercury	6/11/2002	0.0001		0.0001	U	mg/L
SP-6303	Mercury	7/12/2002	0.0001		0.0001	U	mg/L
SP-6303	Nitrate as Nitrogen	4/1/2002	1.4		0.2		mg/L
SP-6303	Nitrate as Nitrogen	5/16/2002	1.1		0.05		mg/L
SP-6303	Nitrate as Nitrogen	6/11/2002	5.9		2		mg/L
SP-6303	Nitrate as Nitrogen	7/12/2002	13.6		2		mg/L
SP-6303	Selenium	4/1/2002	0.0012		0.0012	U	mg/L
SP-6303	Selenium	5/16/2002	0.0022		0.0022	U	mg/L
SP-6303	Selenium	6/11/2002	0.0022		0.0022	U	mg/L
SP-6303	Selenium	7/12/2002	0.0024		0.0024	U	mg/L
SP-6303	Silver	4/1/2002	0.0017		0.0017	U	mg/L
SP-6303	Silver	5/16/2002	0.001		0.001	U	mg/L
SP-6303	Silver	6/11/2002	0.0016		0.0016	U	mg/L
SP-6303	Silver	7/12/2002	0.0008		0.0008	U	mg/L
SP-6303	Tetrachloroethene	3/4/2002	1		1	U	ug/L
SP-6303	Tetrachloroethene	4/1/2002	1		1	U	ug/L
SP-6303	Tetrachloroethene	5/16/2002	1		1	U	ug/L
SP-6303	Tetrachloroethene	6/11/2002	1		1	U	ug/L
SP-6303	Tetrachloroethene	7/12/2002	1		1	U	ug/L
SP-6303	Total 1,2-Dichloroethene	3/4/2002	2		2	U	ug/L
SP-6303	Total 1,2-Dichloroethene	4/1/2002	2		2	U	ug/L
SP-6303	Total 1,2-Dichloroethene	5/16/2002	2		2	U	ug/L
SP-6303	Total 1,2-Dichloroethene	6/11/2002	2		2	U	ug/L

LOCATION	ANALYTE	DATE SAMPLED	RESULT	UNCERTAINTY	DETECTION LIMIT	LAB_QUALIFIERS	UNITS
SP-6303	Total 1,2-Dichloroethene	7/12/2002	2		2	U	ug/L
SP-6303	Trichloroethene	3/4/2002	1		1	U	ug/L
SP-6303	Trichloroethene	4/1/2002	1		1	U	ug/L
SP-6303	Trichloroethene	5/16/2002	1		1	U	ug/L
SP-6303	Trichloroethene	6/11/2002	0.55		1	J	ug/L
SP-6303	Trichloroethene	7/12/2002	0.35		1	J	ug/L
SP-6303	Uranium	3/4/2002	0.196	0.004	0.677	J	pCi/L
SP-6303	Uranium	4/1/2002	0.51	0.057	0.68	UJ	pCi/L
SP-6303	Uranium	4/9/2002	0.785	0.081	0.68	J	pCi/L
SP-6303	Uranium	5/16/2002	0.63	0.067	2.7	UJ	pCi/L
SP-6303	Uranium	6/11/2002	1.67	0.151	0.677		pCi/L
SP-6303	Uranium	7/12/2002	1.93	0.19	0.68		pCi/L
SP-6303	Vinyl chloride	4/1/2002	1		1	U	ug/L
SP-6303	Vinyl chloride	5/16/2002	1		1	U	ug/L
SP-6303	Vinyl chloride	6/11/2002	1		1	U	ug/L
SP-6303	Vinyl chloride	7/12/2002	1		1	U	ug/L

APPENDIX B
Field Parameter Data

LOCATION	ANALYTE	DATE SAMPLED	RESULT	DETECTION_LIMIT	UNITS
MW-2037	Dissolved Oxygen	3/26/2002	3.14		mg/L
MW-2037	Dissolved Oxygen	4/23/2002	2.75		mg/L
MW-2037	Dissolved Oxygen	7/8/2002	2.92		mg/L
MW-2037	Dissolved Oxygen	3/4/2003	1.49		mg/L
MW-2037	Dissolved Oxygen	9/8/2003	2.63		mg/L
MW-2037	Oxidation Reduction Potential	3/26/2002	128		mV
MW-2037	Oxidation Reduction Potential	4/23/2002	181		mV
MW-2037	Oxidation Reduction Potential	7/8/2002	102		mV
MW-2037	Oxidation Reduction Potential	9/8/2003	283.3		mV
MW-2037	pH	3/26/2002	8.12		s.u.
MW-2037	pH	4/23/2002	8.34		s.u.
MW-2037	pH	7/8/2002	7.98		s.u.
MW-2037	pH	3/4/2003	8.17		s.u.
MW-2037	pH	9/8/2003	7.82		s.u.
MW-2037	Specific Conductance	3/26/2002	587		umhos/cm
MW-2037	Specific Conductance	4/23/2002	602		umhos/cm
MW-2037	Specific Conductance	7/8/2002	619		umhos/cm
MW-2037	Specific Conductance	3/4/2003	944		umhos/cm
MW-2037	Specific Conductance	9/8/2003	1101		umhos/cm
MW-2038	Dissolved Oxygen	3/26/2002	8.51		mg/L
MW-2038	Dissolved Oxygen	4/16/2002	6.59		mg/L
MW-2038	Dissolved Oxygen	6/4/2002	6.68		mg/L
MW-2038	Dissolved Oxygen	7/8/2002	5.78		mg/L
MW-2038	Oxidation Reduction Potential	3/26/2002	175		mV
MW-2038	Oxidation Reduction Potential	6/4/2002	152		mV
MW-2038	Oxidation Reduction Potential	7/8/2002	158		mV
MW-2038	pH	3/26/2002	6.66		s.u.
MW-2038	pH	4/16/2002	6.63		s.u.
MW-2038	pH	6/4/2002	6.66		s.u.
MW-2038	pH	7/8/2002	6.49		s.u.
MW-2038	Specific Conductance	3/26/2002	4880		umhos/cm
MW-2038	Specific Conductance	4/16/2002	5400		umhos/cm
MW-2038	Specific Conductance	6/4/2002	4520		umhos/cm
MW-2038	Specific Conductance	7/8/2002	5020		umhos/cm
MW-3025	Dissolved Oxygen	4/1/2002	6.14		mg/L
MW-3025	Dissolved Oxygen	4/23/2002	6.51		mg/L
MW-3025	Dissolved Oxygen	6/13/2002	6.61		mg/L
MW-3025	Dissolved Oxygen	7/15/2002	6.33		mg/L
MW-3025	Dissolved Oxygen	3/10/2003	5.43		mg/L

LOCATION	ANALYTE	DATE SAMPLED	RESULT	DETECTION_LIMIT	UNITS
MW-3025	Dissolved Oxygen	9/23/2003	8.29		mg/L
MW-3025	Oxidation Reduction Potential	4/1/2002	224		mV
MW-3025	Oxidation Reduction Potential	4/23/2002	218		mV
MW-3025	Oxidation Reduction Potential	6/13/2002	145		mV
MW-3025	Oxidation Reduction Potential	7/15/2002	192		mV
MW-3025	Oxidation Reduction Potential	9/23/2003	344.2		mV
MW-3025	pH	4/1/2002	6.88		s.u.
MW-3025	pH	4/23/2002	7.02		s.u.
MW-3025	pH	6/13/2002	6.96		s.u.
MW-3025	pH	7/15/2002	6.73		s.u.
MW-3025	pH	3/10/2003	7.1		s.u.
MW-3025	pH	9/23/2003	6.89		s.u.
MW-3025	Specific Conductance	4/1/2002	2900		umhos/cm
MW-3025	Specific Conductance	4/23/2002	2980		umhos/cm
MW-3025	Specific Conductance	6/13/2002	2890		umhos/cm
MW-3025	Specific Conductance	7/15/2002	2920		umhos/cm
MW-3025	Specific Conductance	3/10/2003	3190		umhos/cm
MW-3025	Specific Conductance	9/23/2003	3188		umhos/cm
MW-3027	Dissolved Oxygen	3/27/2002	5.34		mg/L
MW-3027	Dissolved Oxygen	4/16/2002	4.29		mg/L
MW-3027	Dissolved Oxygen	6/5/2002	4.54		mg/L
MW-3027	Dissolved Oxygen	7/8/2002	4.18		mg/L
MW-3027	Oxidation Reduction Potential	3/27/2002	117		mV
MW-3027	Oxidation Reduction Potential	6/5/2002	218		mV
MW-3027	Oxidation Reduction Potential	7/8/2002	204		mV
MW-3027	pH	3/27/2002	7.15		s.u.
MW-3027	pH	4/16/2002	7		s.u.
MW-3027	pH	6/5/2002	7.07		s.u.
MW-3027	pH	7/8/2002	6.8		s.u.
MW-3027	Specific Conductance	3/27/2002	960		umhos/cm
MW-3027	Specific Conductance	4/16/2002	1060		umhos/cm
MW-3027	Specific Conductance	6/5/2002	990		umhos/cm
MW-3027	Specific Conductance	7/8/2002	910		umhos/cm
MW-3028	Dissolved Oxygen	4/1/2002	3.76		mg/L
MW-3028	Dissolved Oxygen	4/18/2002	3.92		mg/L
MW-3028	Dissolved Oxygen	5/15/2002	3.56		mg/L
MW-3028	Dissolved Oxygen	6/6/2002	3.95		mg/L
MW-3028	Dissolved Oxygen	7/15/2002	3.68		mg/L
MW-3028	Dissolved Oxygen	3/4/2003	2.06		mg/L

LOCATION	ANALYTE	DATE SAMPLED	RESULT	DETECTION_LIMIT	UNITS
MW-3028	Dissolved Oxygen	9/4/2003	3.26		mg/L
MW-3028	Oxidation Reduction Potential	4/1/2002	236		mV
MW-3028	Oxidation Reduction Potential	4/18/2002	175		mV
MW-3028	Oxidation Reduction Potential	5/15/2002	355		mV
MW-3028	Oxidation Reduction Potential	7/15/2002	230		mV
MW-3028	Oxidation Reduction Potential	9/4/2003	-26.4		mV
MW-3028	pH	4/1/2002	7.03		s.u.
MW-3028	pH	4/18/2002	7.07		s.u.
MW-3028	pH	5/15/2002	6.98		s.u.
MW-3028	pH	6/6/2002	6.77		s.u.
MW-3028	pH	7/15/2002	6.69		s.u.
MW-3028	pH	3/4/2003	6.93		s.u.
MW-3028	pH	9/4/2003	6.99		s.u.
MW-3028	Specific Conductance	4/1/2002	1710		umhos/cm
MW-3028	Specific Conductance	4/18/2002	1570		umhos/cm
MW-3028	Specific Conductance	5/15/2002	1900		umhos/cm
MW-3028	Specific Conductance	6/6/2002	2000		umhos/cm
MW-3028	Specific Conductance	7/15/2002	2060		umhos/cm
MW-3028	Specific Conductance	3/4/2003	2330		umhos/cm
MW-3028	Specific Conductance	9/4/2003	2279		umhos/cm
MW-3029	Dissolved Oxygen	3/27/2002	3.82		mg/L
MW-3029	Dissolved Oxygen	4/18/2002	3.85		mg/L
MW-3029	Dissolved Oxygen	5/13/2002	4.25		mg/L
MW-3029	Dissolved Oxygen	6/5/2002	3.86		mg/L
MW-3029	Dissolved Oxygen	7/9/2002	3.7		mg/L
MW-3029	Dissolved Oxygen	3/4/2003	2.5		mg/L
MW-3029	Dissolved Oxygen	9/4/2003	3.43		mg/L
MW-3029	Oxidation Reduction Potential	3/27/2002	113		mV
MW-3029	Oxidation Reduction Potential	5/13/2002	236		mV
MW-3029	Oxidation Reduction Potential	6/5/2002	166		mV
MW-3029	Oxidation Reduction Potential	7/9/2002	185		mV
MW-3029	Oxidation Reduction Potential	9/4/2003	256.7		mV
MW-3029	pH	3/27/2002	7.25		s.u.
MW-3029	pH	4/18/2002	6.99		s.u.
MW-3029	pH	5/13/2002	6.96		s.u.
MW-3029	pH	6/5/2002	7.01		s.u.
MW-3029	pH	7/9/2002	6.88		s.u.
MW-3029	pH	3/4/2003	6.91		s.u.
MW-3029	pH	9/4/2003	6.88		s.u.

LOCATION	ANALYTE	DATE SAMPLED	RESULT	DETECTION_LIMIT	UNITS
MW-3029	Specific Conductance	3/27/2002	2260		umhos/cm
MW-3029	Specific Conductance	4/18/2002	2370		umhos/cm
MW-3029	Specific Conductance	5/13/2002	2300		umhos/cm
MW-3029	Specific Conductance	6/5/2002	2400		umhos/cm
MW-3029	Specific Conductance	7/9/2002	2480		umhos/cm
MW-3029	Specific Conductance	3/4/2003	3280		umhos/cm
MW-3029	Specific Conductance	9/4/2003	3221		umhos/cm
MW-3030	Dissolved Oxygen	3/28/2002	0.33		mg/L
MW-3030	Dissolved Oxygen	4/23/2002	0.87		mg/L
MW-3030	Dissolved Oxygen	5/15/2002	0.91		mg/L
MW-3030	Dissolved Oxygen	6/6/2002	1.15		mg/L
MW-3030	Dissolved Oxygen	7/10/2002	1.6		mg/L
MW-3030	Dissolved Oxygen	3/10/2003	1.31		mg/L
MW-3030	Dissolved Oxygen	9/9/2003	2.06		mg/L
MW-3030	Oxidation Reduction Potential	3/28/2002	35		mV
MW-3030	Oxidation Reduction Potential	4/23/2002	38		mV
MW-3030	Oxidation Reduction Potential	5/15/2002	284		mV
MW-3030	Oxidation Reduction Potential	6/6/2002	208		mV
MW-3030	Oxidation Reduction Potential	7/10/2002	176		mV
MW-3030	Oxidation Reduction Potential	9/9/2003	238.7		mV
MW-3030	pH	3/28/2002	6.77		s.u.
MW-3030	pH	4/23/2002	6.85		s.u.
MW-3030	pH	5/15/2002	6.89		s.u.
MW-3030	pH	6/6/2002	6.76		s.u.
MW-3030	pH	7/10/2002	6.78		s.u.
MW-3030	pH	3/10/2003	7.06		s.u.
MW-3030	pH	9/9/2003	6.83		s.u.
MW-3030	Specific Conductance	3/28/2002	2600		umhos/cm
MW-3030	Specific Conductance	4/23/2002	2670		umhos/cm
MW-3030	Specific Conductance	5/15/2002	2710		umhos/cm
MW-3030	Specific Conductance	6/6/2002	2780		umhos/cm
MW-3030	Specific Conductance	7/10/2002	2730		umhos/cm
MW-3030	Specific Conductance	3/10/2003	2940		umhos/cm
MW-3030	Specific Conductance	9/9/2003	2938		umhos/cm
MW-3032	Dissolved Oxygen	3/26/2002	1.32		mg/L
MW-3032	Dissolved Oxygen	4/22/2002	2.01		mg/L
MW-3032	Dissolved Oxygen	7/9/2002	1.24		mg/L
MW-3032	Oxidation Reduction Potential	3/26/2002	63		mV
MW-3032	Oxidation Reduction Potential	4/22/2002	190		mV

LOCATION	ANALYTE	DATE SAMPLED	RESULT	DETECTION_LIMIT	UNITS
MW-3032	Oxidation Reduction Potential	7/9/2002	-102		mV
MW-3032	pH	3/26/2002	8.52		s.u.
MW-3032	pH	4/22/2002	8.61		s.u.
MW-3032	pH	7/9/2002	8.44		s.u.
MW-3032	Specific Conductance	3/26/2002	440		umhos/cm
MW-3032	Specific Conductance	4/22/2002	2010		umhos/cm
MW-3032	Specific Conductance	7/9/2002	385		umhos/cm
MW-3034	Dissolved Oxygen	3/26/2002	2.16		mg/L
MW-3034	Dissolved Oxygen	3/5/2003	2.29		mg/L
MW-3034	Dissolved Oxygen	9/8/2003	2.72		mg/L
MW-3034	Oxidation Reduction Potential	3/26/2002	111		mV
MW-3034	Oxidation Reduction Potential	9/8/2003	523.8		mV
MW-3034	pH	3/26/2002	6.76		s.u.
MW-3034	pH	3/5/2003	6.76		s.u.
MW-3034	pH	9/8/2003	6.68		s.u.
MW-3034	Specific Conductance	3/26/2002	4930		umhos/cm
MW-3034	Specific Conductance	3/5/2003	5380		umhos/cm
MW-3034	Specific Conductance	9/8/2003	4369		umhos/cm
MW-3035	Dissolved Oxygen	3/27/2002	1.68		mg/L
MW-3035	Dissolved Oxygen	4/22/2002	2.07		mg/L
MW-3035	Dissolved Oxygen	5/14/2002	1.7		mg/L
MW-3035	Dissolved Oxygen	6/4/2002	2.07		mg/L
MW-3035	Dissolved Oxygen	7/8/2002	2.06		mg/L
MW-3035	Dissolved Oxygen	3/4/2003	2.29		mg/L
MW-3035	Dissolved Oxygen	9/8/2003	4.69		mg/L
MW-3035	Oxidation Reduction Potential	3/27/2002	107		mV
MW-3035	Oxidation Reduction Potential	4/22/2002	159		mV
MW-3035	Oxidation Reduction Potential	5/14/2002	227		mV
MW-3035	Oxidation Reduction Potential	6/4/2002	123		mV
MW-3035	Oxidation Reduction Potential	7/8/2002	188		mV
MW-3035	Oxidation Reduction Potential	9/8/2003	309.8		mV
MW-3035	pH	3/27/2002	7.74		s.u.
MW-3035	pH	4/22/2002	7.44		s.u.
MW-3035	pH	5/14/2002	7.46		s.u.
MW-3035	pH	6/4/2002	7.43		s.u.
MW-3035	pH	7/8/2002	7.2		s.u.
MW-3035	pH	3/4/2003	7.1		s.u.
MW-3035	pH	9/8/2003	6.94		s.u.
MW-3035	Specific Conductance	3/27/2002	960		umhos/cm

LOCATION	ANALYTE	DATE SAMPLED	RESULT	DETECTION_LIMIT	UNITS
MW-3035	Specific Conductance	4/22/2002	1020		umhos/cm
MW-3035	Specific Conductance	5/14/2002	1030		umhos/cm
MW-3035	Specific Conductance	6/4/2002	990		umhos/cm
MW-3035	Specific Conductance	7/8/2002	1020		umhos/cm
MW-3035	Specific Conductance	3/4/2003	2580		umhos/cm
MW-3035	Specific Conductance	9/8/2003	2699		umhos/cm
MW-3036	Dissolved Oxygen	3/27/2002	5.97		mg/L
MW-3036	Dissolved Oxygen	4/18/2002	4.87		mg/L
MW-3036	Dissolved Oxygen	5/14/2002	4.73		mg/L
MW-3036	Dissolved Oxygen	6/4/2002	4.78		mg/L
MW-3036	Dissolved Oxygen	7/9/2002	4.95		mg/L
MW-3036	Dissolved Oxygen	3/5/2003	4.29		mg/L
MW-3036	Dissolved Oxygen	9/8/2003	8.44		mg/L
MW-3036	Oxidation Reduction Potential	3/27/2002	116		mV
MW-3036	Oxidation Reduction Potential	4/18/2002	188		mV
MW-3036	Oxidation Reduction Potential	5/14/2002	234		mV
MW-3036	Oxidation Reduction Potential	6/4/2002	88		mV
MW-3036	Oxidation Reduction Potential	7/9/2002	393		mV
MW-3036	Oxidation Reduction Potential	9/8/2003	321.4		mV
MW-3036	pH	3/27/2002	7.03		s.u.
MW-3036	pH	4/18/2002	7.07		s.u.
MW-3036	pH	5/14/2002	7.06		s.u.
MW-3036	pH	6/4/2002	7.07		s.u.
MW-3036	pH	7/9/2002	6.82		s.u.
MW-3036	pH	3/5/2003	7.24		s.u.
MW-3036	pH	9/8/2003	7.11		s.u.
MW-3036	Specific Conductance	3/27/2002	1330		umhos/cm
MW-3036	Specific Conductance	4/18/2002	1270		umhos/cm
MW-3036	Specific Conductance	5/14/2002	1170		umhos/cm
MW-3036	Specific Conductance	6/4/2002	1160		umhos/cm
MW-3036	Specific Conductance	7/9/2002	1120		umhos/cm
MW-3036	Specific Conductance	3/5/2003	1150		umhos/cm
MW-3036	Specific Conductance	9/8/2003	913		umhos/cm
MW-3038	Dissolved Oxygen	3/28/2002	6.84		mg/L
MW-3038	Dissolved Oxygen	4/22/2002	4.82		mg/L
MW-3038	Dissolved Oxygen	5/14/2002	5.7		mg/L
MW-3038	Dissolved Oxygen	6/10/2002	5.27		mg/L
MW-3038	Dissolved Oxygen	7/10/2002	5.68		mg/L
MW-3038	Oxidation Reduction Potential	3/28/2002	187		mV

LOCATION	ANALYTE	DATE SAMPLED	RESULT	DETECTION_LIMIT	UNITS
MW-3038	Oxidation Reduction Potential	4/22/2002	161		mV
MW-3038	Oxidation Reduction Potential	5/14/2002	219		mV
MW-3038	Oxidation Reduction Potential	6/10/2002	182		mV
MW-3038	Oxidation Reduction Potential	7/10/2002	166		mV
MW-3038	pH	3/28/2002	7.38		s.u.
MW-3038	pH	4/22/2002	7.38		s.u.
MW-3038	pH	5/14/2002	7.42		s.u.
MW-3038	pH	6/10/2002	7.42		s.u.
MW-3038	pH	7/10/2002	7.24		s.u.
MW-3038	Specific Conductance	3/28/2002	563		umhos/cm
MW-3038	Specific Conductance	4/22/2002	494		umhos/cm
MW-3038	Specific Conductance	5/14/2002	546		umhos/cm
MW-3038	Specific Conductance	6/10/2002	488		umhos/cm
MW-3038	Specific Conductance	7/10/2002	506		umhos/cm
MW-3039	Dissolved Oxygen	3/28/2002	0.81		mg/L
MW-3039	Dissolved Oxygen	6/10/2002	0.82		mg/L
MW-3039	Dissolved Oxygen	7/11/2002	0.96		mg/L
MW-3039	Dissolved Oxygen	3/5/2003	2.08		mg/L
MW-3039	Dissolved Oxygen	9/9/2003	2.36		mg/L
MW-3039	Oxidation Reduction Potential	3/28/2002	176		mV
MW-3039	Oxidation Reduction Potential	6/10/2002	148		mV
MW-3039	Oxidation Reduction Potential	7/11/2002	223		mV
MW-3039	Oxidation Reduction Potential	9/9/2003	251.4		mV
MW-3039	pH	3/28/2002	6.74		s.u.
MW-3039	pH	6/10/2002	6.77		s.u.
MW-3039	pH	7/11/2002	6.47		s.u.
MW-3039	pH	3/5/2003	6.77		s.u.
MW-3039	pH	9/9/2003	6.56		s.u.
MW-3039	Specific Conductance	3/28/2002	4680		umhos/cm
MW-3039	Specific Conductance	6/10/2002	4810		umhos/cm
MW-3039	Specific Conductance	7/11/2002	4980		umhos/cm
MW-3039	Specific Conductance	3/5/2003	6340		umhos/cm
MW-3039	Specific Conductance	9/9/2003	6280		umhos/cm
MW-4001	Dissolved Oxygen	3/27/2002	2.59		mg/L
MW-4001	Dissolved Oxygen	4/16/2002	1.54		mg/L
MW-4001	Dissolved Oxygen	6/11/2002	2.14		mg/L
MW-4001	Dissolved Oxygen	7/10/2002	2.59		mg/L
MW-4001	Oxidation Reduction Potential	3/27/2002	138		mV
MW-4001	Oxidation Reduction Potential	6/11/2002	-91		mV

LOCATION	ANALYTE	DATE SAMPLED	RESULT	DETECTION_LIMIT	UNITS
MW-4001	Oxidation Reduction Potential	7/10/2002	207		mV
MW-4001	pH	3/27/2002	7.19		s.u.
MW-4001	pH	4/16/2002	7.17		s.u.
MW-4001	pH	6/11/2002	6.94		s.u.
MW-4001	pH	7/10/2002	7.05		s.u.
MW-4001	Specific Conductance	3/27/2002	980		umhos/cm
MW-4001	Specific Conductance	4/16/2002	1000		umhos/cm
MW-4001	Specific Conductance	6/11/2002	1010		umhos/cm
MW-4001	Specific Conductance	7/10/2002	979		umhos/cm
MW-4027	Dissolved Oxygen	3/27/2002	7.08		mg/L
MW-4027	Dissolved Oxygen	4/17/2002	6.17		mg/L
MW-4027	Dissolved Oxygen	5/13/2002	6.15		mg/L
MW-4027	Dissolved Oxygen	6/6/2002	6.81		mg/L
MW-4027	Dissolved Oxygen	7/9/2002	6.74		mg/L
MW-4027	Oxidation Reduction Potential	3/27/2002	168		mV
MW-4027	Oxidation Reduction Potential	4/17/2002	171		mV
MW-4027	Oxidation Reduction Potential	5/13/2002	189		mV
MW-4027	Oxidation Reduction Potential	6/6/2002	166		mV
MW-4027	Oxidation Reduction Potential	7/9/2002	-13		mV
MW-4027	pH	3/27/2002	7.43		s.u.
MW-4027	pH	4/17/2002	7.2		s.u.
MW-4027	pH	5/13/2002	7.26		s.u.
MW-4027	pH	6/6/2002	7.24		s.u.
MW-4027	pH	7/9/2002	7.27		s.u.
MW-4027	Specific Conductance	3/27/2002	653		umhos/cm
MW-4027	Specific Conductance	4/17/2002	848		umhos/cm
MW-4027	Specific Conductance	5/13/2002	814		umhos/cm
MW-4027	Specific Conductance	6/6/2002	658		umhos/cm
MW-4027	Specific Conductance	7/9/2002	575		umhos/cm
MW-4028	Dissolved Oxygen	3/26/2002	3.76		mg/L
MW-4028	Dissolved Oxygen	4/18/2002	3.56		mg/L
MW-4028	Dissolved Oxygen	7/9/2002	4.14		mg/L
MW-4028	Oxidation Reduction Potential	3/26/2002	147		mV
MW-4028	Oxidation Reduction Potential	4/18/2002	266		mV
MW-4028	pH	3/26/2002	6.79		s.u.
MW-4028	pH	4/18/2002	6.88		s.u.
MW-4028	pH	7/9/2002	6.75		s.u.
MW-4028	Specific Conductance	3/26/2002	2250		umhos/cm
MW-4028	Specific Conductance	4/18/2002	2280		umhos/cm

LOCATION	ANALYTE	DATE SAMPLED	RESULT	DETECTION_LIMIT	UNITS
MW-4028	Specific Conductance	7/9/2002	2040		umhos/cm
MW-4029	Dissolved Oxygen	3/27/2002	1.52		mg/L
MW-4029	Dissolved Oxygen	4/18/2002	1.67		mg/L
MW-4029	Dissolved Oxygen	5/14/2002	1.63		mg/L
MW-4029	Dissolved Oxygen	6/10/2002	1.32		mg/L
MW-4029	Dissolved Oxygen	7/8/2002	0.89		mg/L
MW-4029	Dissolved Oxygen	3/11/2003	1.27		mg/L
MW-4029	Dissolved Oxygen	9/9/2003	2.01		mg/L
MW-4029	Oxidation Reduction Potential	3/27/2002	122		mV
MW-4029	Oxidation Reduction Potential	4/18/2002	158		mV
MW-4029	Oxidation Reduction Potential	5/14/2002	254		mV
MW-4029	Oxidation Reduction Potential	6/10/2002	198		mV
MW-4029	Oxidation Reduction Potential	7/8/2002	154		mV
MW-4029	Oxidation Reduction Potential	9/9/2003	318.9		mV
MW-4029	pH	3/27/2002	6.78		s.u.
MW-4029	pH	4/18/2002	6.78		s.u.
MW-4029	pH	5/14/2002	6.75		s.u.
MW-4029	pH	6/10/2002	6.76		s.u.
MW-4029	pH	7/8/2002	6.56		s.u.
MW-4029	pH	3/11/2003	7		s.u.
MW-4029	pH	9/9/2003	6.69		s.u.
MW-4029	Specific Conductance	3/27/2002	4490		umhos/cm
MW-4029	Specific Conductance	4/18/2002	4490		umhos/cm
MW-4029	Specific Conductance	5/14/2002	4590		umhos/cm
MW-4029	Specific Conductance	6/10/2002	4500		umhos/cm
MW-4029	Specific Conductance	7/8/2002	4420		umhos/cm
MW-4029	Specific Conductance	3/11/2003	4430		umhos/cm
MW-4029	Specific Conductance	9/9/2003	4373		umhos/cm
MW-4031	Dissolved Oxygen	3/27/2002	3.41		mg/L
MW-4031	Dissolved Oxygen	4/17/2002	3.44		mg/L
MW-4031	Dissolved Oxygen	5/13/2002	3.02		mg/L
MW-4031	Dissolved Oxygen	6/5/2002	3.55		mg/L
MW-4031	Dissolved Oxygen	7/9/2002	3.6		mg/L
MW-4031	Oxidation Reduction Potential	3/27/2002	201		mV
MW-4031	Oxidation Reduction Potential	4/17/2002	233		mV
MW-4031	Oxidation Reduction Potential	5/13/2002	259		mV
MW-4031	Oxidation Reduction Potential	6/5/2002	235		mV
MW-4031	Oxidation Reduction Potential	7/9/2002	311		mV
MW-4031	pH	3/27/2002	7.01		s.u.

LOCATION	ANALYTE	DATE SAMPLED	RESULT	DETECTION_LIMIT	UNITS
MW-4031	pH	4/17/2002	6.8		s.u.
MW-4031	pH	5/13/2002	6.75		s.u.
MW-4031	pH	6/5/2002	6.95		s.u.
MW-4031	pH	7/9/2002	6.7		s.u.
MW-4031	Specific Conductance	3/27/2002	2400		umhos/cm
MW-4031	Specific Conductance	4/17/2002	2340		umhos/cm
MW-4031	Specific Conductance	5/13/2002	2470		umhos/cm
MW-4031	Specific Conductance	6/5/2002	2340		umhos/cm
MW-4031	Specific Conductance	7/9/2002	2280		umhos/cm
MW-4032	Dissolved Oxygen	3/26/2002	5.99		mg/L
MW-4032	Dissolved Oxygen	4/17/2002	4.6		mg/L
MW-4032	Dissolved Oxygen	7/9/2002	6.72		mg/L
MW-4032	Dissolved Oxygen	3/6/2003	6.71		mg/L
MW-4032	Dissolved Oxygen	9/10/2003	9.58		mg/L
MW-4032	Oxidation Reduction Potential	3/26/2002	182		mV
MW-4032	Oxidation Reduction Potential	4/17/2002	293		mV
MW-4032	Oxidation Reduction Potential	7/9/2002	283		mV
MW-4032	Oxidation Reduction Potential	9/10/2003	274		mV
MW-4032	pH	3/26/2002	6.91		s.u.
MW-4032	pH	4/17/2002	6.85		s.u.
MW-4032	pH	7/9/2002	6.74		s.u.
MW-4032	pH	3/6/2003	7.14		s.u.
MW-4032	pH	9/10/2003	7.03		s.u.
MW-4032	Specific Conductance	3/26/2002	2020		umhos/cm
MW-4032	Specific Conductance	4/17/2002	1950		umhos/cm
MW-4032	Specific Conductance	7/9/2002	2020		umhos/cm
MW-4032	Specific Conductance	3/6/2003	1980		umhos/cm
MW-4032	Specific Conductance	9/10/2003	1691		umhos/cm
MW-4037	Dissolved Oxygen	3/28/2002	4.85		mg/L
MW-4037	Dissolved Oxygen	6/11/2002	3.1		mg/L
MW-4037	Dissolved Oxygen	7/15/2002	3.33		mg/L
MW-4037	Oxidation Reduction Potential	3/28/2002	126		mV
MW-4037	Oxidation Reduction Potential	6/11/2002	-73		mV
MW-4037	Oxidation Reduction Potential	7/15/2002	220		mV
MW-4037	pH	3/28/2002	7.17		s.u.
MW-4037	pH	6/11/2002	6.89		s.u.
MW-4037	pH	7/15/2002	6.86		s.u.
MW-4037	Specific Conductance	3/28/2002	558		umhos/cm
MW-4037	Specific Conductance	6/11/2002	1090		umhos/cm

LOCATION	ANALYTE	DATE SAMPLED	RESULT	DETECTION_LIMIT	UNITS
MW-4037	Specific Conductance	7/15/2002	1510		umhos/cm
MW-4038	Dissolved Oxygen	3/28/2002	3.42		mg/L
MW-4038	Dissolved Oxygen	6/11/2002	6.23		mg/L
MW-4038	Dissolved Oxygen	7/15/2002	5.39		mg/L
MW-4038	Oxidation Reduction Potential	3/28/2002	158		mV
MW-4038	Oxidation Reduction Potential	6/11/2002	-48		mV
MW-4038	Oxidation Reduction Potential	7/15/2002	226		mV
MW-4038	pH	3/28/2002	7.03		s.u.
MW-4038	pH	6/11/2002	6.89		s.u.
MW-4038	pH	7/15/2002	6.87		s.u.
MW-4038	Specific Conductance	3/28/2002	1630		umhos/cm
MW-4038	Specific Conductance	6/11/2002	1690		umhos/cm
MW-4038	Specific Conductance	7/15/2002	1590		umhos/cm
MW-ICO1	Dissolved Oxygen	7/17/2002	4.92		mg/L
MW-ICO1	Oxidation Reduction Potential	7/17/2002	324		mV
MW-ICO1	pH	7/17/2002	6.63		s.u.
MW-ICO1	Specific Conductance	7/17/2002	1700		umhos/cm
MW-ICO2	Dissolved Oxygen	9/25/2003	8.37		mg/L
MW-ICO2	Oxidation Reduction Potential	9/25/2003	255.9		mV
MW-ICO2	pH	9/25/2003	7.71		s.u.
MW-ICO2	Specific Conductance	9/25/2003	1891		umhos/cm
MW-ICO3	Dissolved Oxygen	7/17/2002	2.34		mg/L
MW-ICO3	Oxidation Reduction Potential	7/17/2002	232		mV
MW-ICO3	pH	7/17/2002	6.45		s.u.
MW-ICO3	Specific Conductance	7/17/2002	3800		umhos/cm
MW-ICO4	Dissolved Oxygen	7/16/2002	4.79		mg/L
MW-ICO4	Oxidation Reduction Potential	7/16/2002	236		mV
MW-ICO4	pH	7/16/2002	6.63		s.u.
MW-ICO4	Specific Conductance	7/16/2002	1800		umhos/cm
MW-ICO5	Dissolved Oxygen	7/16/2002	3.66		mg/L
MW-ICO5	Dissolved Oxygen	9/25/2003	6.58		mg/L
MW-ICO5	Oxidation Reduction Potential	7/16/2002	236		mV
MW-ICO5	Oxidation Reduction Potential	9/25/2003	601.1		mV
MW-ICO5	pH	7/16/2002	6.62		s.u.
MW-ICO5	pH	9/25/2003	7.17		s.u.
MW-ICO5	Specific Conductance	7/16/2002	2080		umhos/cm
MW-ICO5	Specific Conductance	9/25/2003	1833		umhos/cm
MW-ICO6	Dissolved Oxygen	7/16/2002	4.07		mg/L
MW-ICO6	Oxidation Reduction Potential	7/16/2002	215		mV

LOCATION	ANALYTE	DATE SAMPLED	RESULT	DETECTION_LIMIT	UNITS
MW-ICO6	pH	7/16/2002	6.61		s.u.
MW-ICO6	Specific Conductance	7/16/2002	3900		umhos/cm
MWS-21	Dissolved Oxygen	3/27/2002	8.28		mg/L
MWS-21	Dissolved Oxygen	4/17/2002	6.4		mg/L
MWS-21	Dissolved Oxygen	7/11/2002	6.87		mg/L
MWS-21	Dissolved Oxygen	3/13/2003	4.23		mg/L
MWS-21	Dissolved Oxygen	9/15/2003	7.18		mg/L
MWS-21	Oxidation Reduction Potential	3/27/2002	134		mV
MWS-21	Oxidation Reduction Potential	4/17/2002	239		mV
MWS-21	Oxidation Reduction Potential	7/11/2002	254		mV
MWS-21	Oxidation Reduction Potential	9/15/2003	298.6		mV
MWS-21	pH	3/27/2002	7.01		s.u.
MWS-21	pH	4/17/2002	6.85		s.u.
MWS-21	pH	7/11/2002	6.79		s.u.
MWS-21	pH	3/13/2003	7.11		s.u.
MWS-21	pH	9/15/2003	7.18		s.u.
MWS-21	Specific Conductance	3/27/2002	1690		umhos/cm
MWS-21	Specific Conductance	4/17/2002	1740		umhos/cm
MWS-21	Specific Conductance	7/11/2002	1620		umhos/cm
MWS-21	Specific Conductance	3/13/2003	1810		umhos/cm
MWS-21	Specific Conductance	9/15/2003	1388		umhos/cm

APPENDIX C
QC Data

WSSRAP_ID	QC TYPE	LOCATION	DATE_SAM	PARAMETER	CONC	ERR	DL	UNITS	COMMENTS
GW-3030-042302-DU	DU	3030	4/23/2002	ARSENIC	2130		2.4	UG/L	RPD = NC
GW-3030-051502-DU	DU	3030	5/15/2002	ARSENIC	2030		2.4	UG/L	RPD = NC
GW-3030-042302-DU	DU	3030	4/23/2002	BARIUM	92.8		3.8	UG/L	RPD = 4.8
GW-3030-051502-DU	DU	3030	5/15/2002	BARIUM	88.5		3.8	UG/L	RPD = 2.1
GW-3030-042302-DU	DU	3030	4/23/2002	CADMIUM	1890		1.3	UG/L	RPD = NC
GW-3030-051502-DU	DU	3030	5/15/2002	CADMIUM	47.7		1.3	UG/L	RPD = NC
GW-3030-042302-DU	DU	3030	4/23/2002	CHROMIUM	46.5		1.3	UG/L	RPD = NC
GW-3030-051502-DU	DU	3030	5/15/2002	CHROMIUM	190		1.3	UG/L	RPD = NC
GW-3030-042302-DU	DU	3030	4/23/2002	LEAD	506		2.1	UG/L	RPD = NC
GW-3030-051502-DU	DU	3030	5/15/2002	LEAD	2.2		2.1	UG/L	RPD = 27
GW-3030-042302-DU	DU	3030	4/23/2002	MANGANESE	79.4		1.4	UG/L	RPD = 3.3
GW-3030-051502-DU	DU	3030	5/15/2002	MANGANESE	63.4		1.4	UG/L	RPD = 1.4
GW-3030-042302-DU	DU	3030	4/23/2002	MERCURY	0.98		0.1	UG/L	RPD = NC
GW-3030-051502-DU	DU	3030	5/15/2002	MERCURY	0.98		0.1	UG/L	RPD = NC
GW-3030-042302-DU	DU	3030	4/23/2002	NITRATE-N	242		10	MG/L	RPD = 4.9
GW-3030-051502-DU	DU	3030	5/15/2002	NITRATE-N	207		40	MG/L	RPD = 1.4
GW-3030-042302-DU	DU	3030	4/23/2002	SELENIUM	0.89		2.2	UG/L	RPD = NC
GW-3030-051502-DU	DU	3030	5/15/2002	SELENIUM	3.8		2.2	UG/L	RPD = 49
GW-3030-042302-DU	DU	3030	4/23/2002	SILVER	53.6		1	UG/L	RPD = NC
GW-3030-051502-DU	DU	3030	5/15/2002	SILVER	53.6		1	UG/L	RPD = NC
GW-3030-051502-DU	DU	3030	5/15/2002	TOTAL SUSPENDED SOLIDS	1		1	MG/L	RPD = 0.0
GW-3030-042302-DU	DU	3030	4/23/2002	URANIUM, TOTAL	54.3	6.2	0.7	PCI/L	RPD = 0.2
GW-3030-051502-DU	DU	3030	5/15/2002	URANIUM, TOTAL	54	6.21	1	PCI/L	RPD = 1
GW-3039-071102-DU	DU	3039	7/11/2002	ARSENIC	2120		1.9	UG/L	RPD = NC
GW-3039-071102-DU	DU	3039	7/11/2002	BARIUM	152		2.5	UG/L	RPD = 1.3
GW-3039-071102-DU	DU	3039	7/11/2002	CADMIUM	45.3		0.6	UG/L	RPD = NC
GW-3039-071102-DU	DU	3039	7/11/2002	CHROMIUM	45.3		1	UG/L	RPD = NC
GW-3039-071102-DU	DU	3039	7/11/2002	LEAD	3		0.93	UG/L	RPD = 73
GW-3039-071102-DU	DU	3039	7/11/2002	MANGANESE	19.2		0.7	UG/L	RPD = 4.1
GW-3039-071102-DU	DU	3039	7/11/2002	MERCURY	0.72		0.1	UG/L	RPD = 5.4
GW-3039-071102-DU	DU	3039	7/11/2002	NITRATE-N	672		80	MG/L	RPD = 0.30
GW-3039-071102-DU	DU	3039	7/11/2002	SELENIUM	10.9		2.4	UG/L	RPD = 15
GW-3039-071102-DU	DU	3039	7/11/2002	SILVER	49.7		0.2	UG/L	RPD = NC
GW-3039-071102-DU	DU	3039	7/11/2002	TOTAL SUSPENDED SOLIDS	12		1	MG/L	RPD = 18
GW-3039-071102-DU	DU	3039	7/11/2002	URANIUM, TOTAL	3.87	0.058	0.677	PCI/L	RPD = NC
GW-4029-061002-DU	DU	4029	6/10/2002	ARSENIC	2090		2.4	UG/L	RPD = NC
GW-4029-061002-DU	DU	4029	6/10/2002	BARIUM	137		4.1	UG/L	RPD = 2.2
GW-4029-061002-DU	DU	4029	6/10/2002	CADMIUM	46.2		1.3	UG/L	RPD = NC
GW-4029-061002-DU	DU	4029	6/10/2002	CHROMIUM	182		1.3	UG/L	RPD = NC
GW-4029-061002-DU	DU	4029	6/10/2002	LEAD	182		2.1	UG/L	RPD = NC
GW-4029-061002-DU	DU	4029	6/10/2002	MANGANESE	13.9		0.7	UG/L	RPD = 2.8
GW-4029-061002-DU	DU	4029	6/10/2002	MERCURY	1.7		0.1	UG/L	RPD = 5.7
GW-4029-061002-DU	DU	4029	6/10/2002	NITRATE-N	540		40	MG/L	RPD = 0.37
GW-4029-061002-DU	DU	4029	6/10/2002	SELENIUM	7.1		2.2	UG/L	RPD = 2.9

WSSRAP_ID	QC TYPE	LOCATION	DATE_SAM	PARAMETER	CONC	ERR	DL	UNITS	COMMENTS
GW-4029-061002-DU	DU	4029	6/10/2002	SILVER	50		1.6	UG/L	RPD = NC
GW-4029-061002-DU	DU	4029	6/10/2002	TOTAL SUSPENDED SOLIDS	5		1	MG/L	RPD = 18
GW-4029-061002-DU	DU	4029	6/10/2002	URANIUM, TOTAL	1.8		0.677	PCI/L	RPD = NC
GW-4037-032802-DU	DU	4037	3/28/2002	ARSENIC	2150		1.2	UG/L	RPD = NC
GW-4037-032802-DU	DU	4037	3/28/2002	BARIUM	77.3		10.8	UG/L	RPD = 7.8
GW-4037-032802-DU	DU	4037	3/28/2002	CADMIUM	2150		0.22	UG/L	RPD = NC
GW-4037-032802-DU	DU	4037	3/28/2002	CHROMIUM	189		0.73	UG/L	RPD = NC
GW-4037-032802-DU	DU	4037	3/28/2002	LEAD	1.7		0.99	UG/L	RPD = 27
GW-4037-032802-DU	DU	4037	3/28/2002	MANGANESE	7.1		0.4	UG/L	RPD = 5.5
GW-4037-032802-DU	DU	4037	3/28/2002	MERCURY	0.98		0.1	UG/L	RPD = NC
GW-4037-032802-DU	DU	4037	3/28/2002	NITRATE-N	11.3		2	MG/L	RPD = 2.7
GW-4037-032802-DU	DU	4037	3/28/2002	SELENIUM	0.98		1.2	UG/L	RPD = NC
GW-4037-032802-DU	DU	4037	3/28/2002	SILVER	2200		1.7	UG/L	RPD = NC
GW-4037-032802-DU	DU	4037	3/28/2002	TOTAL SUSPENDED SOLIDS	10		1	MG/L	RPD = 18
GW-4037-032802-DU	DU	4037	3/28/2002	URANIUM, TOTAL	12	1.4	0.7	PCI/L	RPD = 2
GW-3039-071102-FR	FR	3039	7/11/2002	1,2-DICHLOROETHENE (DCE)	6.5		2	UG/L	
GW-3039-071102-FR	FR	3039	7/11/2002	1,3,5-TRINITROBENZENE	0.17		0.04	UG/L	
GW-3039-071102-FR	FR	3039	7/11/2002	1,3-DINITROBENZENE	1.48		0.09	UG/L	
GW-3039-071102-FR	FR	3039	7/11/2002	2,4,6-TRINITROTOLUENE	1.59		0.08	UG/L	
GW-3039-071102-FR	FR	3039	7/11/2002	2,4-DINITROTOLUENE	1.2		0.06	UG/L	
GW-3039-071102-FR	FR	3039	7/11/2002	2,6-DINITROTOLUENE	2.3		0.1	UG/L	
GW-3039-071102-FR	FR	3039	7/11/2002	ARSENIC	2120		1.9	UG/L	
GW-3039-071102-FR	FR	3039	7/11/2002	BARIUM	149		2.5	UG/L	
GW-3039-071102-FR	FR	3039	7/11/2002	CADMIUM	149		0.6	UG/L	
GW-3039-071102-FR	FR	3039	7/11/2002	CHROMIUM	45.3		1	UG/L	
GW-3039-071102-FR	FR	3039	7/11/2002	LEAD	3		0.93	UG/L	
GW-3039-071102-FR	FR	3039	7/11/2002	MANGANESE	19.2		0.7	UG/L	
GW-3039-071102-FR	FR	3039	7/11/2002	MERCURY	0.74		0.1	UG/L	
GW-3039-071102-FR	FR	3039	7/11/2002	NITRATE-N	973		80	MG/L	
GW-3039-071102-FR	FR	3039	7/11/2002	NITROBENZENE	1.56		0.08	UG/L	
GW-3039-071102-FR	FR	3039	7/11/2002	SELENIUM	11		2.4	UG/L	
GW-3039-071102-FR	FR	3039	7/11/2002	SILVER	49.7		0.2	UG/L	
GW-3039-071102-FR	FR	3039	7/11/2002	TETRACHLOROETHENE (PCE)	1.4		1	UG/L	
GW-3039-071102-FR	FR	3039	7/11/2002	TOTAL SUSPENDED SOLIDS	11		1	MG/L	
GW-3039-071102-FR	FR	3039	7/11/2002	TRICHLOROETHENE (TCE)	120		5	UG/L	
GW-3039-071102-FR	FR	3039	7/11/2002	URANIUM, TOTAL	1.25	0.023	0.677	PCI/L	
GW-3039-071102-FR	FR	3039	7/11/2002	VINYL CHLORIDE (VC)	132		1	UG/L	
GW-4029-061002-FR	FR	4029	6/10/2002	1,2-DICHLOROETHENE (DCE)	7		2	UG/L	
GW-4029-061002-FR	FR	4029	6/10/2002	1,3,5-TRINITROBENZENE	0.87		0.04	UG/L	
GW-4029-061002-FR	FR	4029	6/10/2002	1,3-DINITROBENZENE	0.11		0.09	UG/L	
GW-4029-061002-FR	FR	4029	6/10/2002	2,4,6-TRINITROTOLUENE	1.77		0.08	UG/L	
GW-4029-061002-FR	FR	4029	6/10/2002	2,4-DINITROTOLUENE	0.1		0.06	UG/L	
GW-4029-061002-FR	FR	4029	6/10/2002	2,6-DINITROTOLUENE	0.37		0.1	UG/L	
GW-4029-061002-FR	FR	4029	6/10/2002	ARSENIC	2090		2.4	UG/L	

WSSRAP_ID	QC TYPE	LOCATION	DATE_SAM	PARAMETER	CONC	ERR	DL	UNITS	COMMENTS
GW-4029-061002-FR	FR	4029	6/10/2002	BARIUM	142		4.1	UG/L	
GW-4029-061002-FR	FR	4029	6/10/2002	CADMIUM	46.2		1.3	UG/L	
GW-4029-061002-FR	FR	4029	6/10/2002	CHROMIUM	182		1.3	UG/L	
GW-4029-061002-FR	FR	4029	6/10/2002	LEAD	474		2.1	UG/L	
GW-4029-061002-FR	FR	4029	6/10/2002	MANGANESE	14.3		0.7	UG/L	
GW-4029-061002-FR	FR	4029	6/10/2002	MERCURY	0.98		0.1	UG/L	
GW-4029-061002-FR	FR	4029	6/10/2002	NITRATE-N	549		40	MG/L	
GW-4029-061002-FR	FR	4029	6/10/2002	NITROBENZENE	1.62		0.08	UG/L	
GW-4029-061002-FR	FR	4029	6/10/2002	SELENIUM	8.2		2.2	UG/L	
GW-4029-061002-FR	FR	4029	6/10/2002	SILVER	8.2		1.6	UG/L	
GW-4029-061002-FR	FR	4029	6/10/2002	TETRACHLOROETHENE (PCE)	0.85		1	UG/L	
GW-4029-061002-FR	FR	4029	6/10/2002	TOTAL SUSPENDED SOLIDS	3		1	MG/L	
GW-4029-061002-FR	FR	4029	6/10/2002	TRICHLOROETHENE (TCE)	500		20	UG/L	
GW-4029-061002-FR	FR	4029	6/10/2002	URANIUM, TOTAL	1.8		0.677	PCI/L	
GW-4029-061002-FR	FR	4029	6/10/2002	VINYL CHLORIDE (VC)	266		1	UG/L	
GW-3030-042302-MD	MD	3030	4/23/2002	1,2-DICHLOROETHENE (DCE)	109		50	UG/L	%REC = 97; RPD = 9.8
GW-3030-051502-MD	MD	3030	5/15/2002	1,2-DICHLOROETHENE (DCE)	213		20	UG/L	%REC = 99; RPD = 5.6
GW-3030-042302-MD	MD	3030	4/23/2002	1,3,5-TRINITROBENZENE	1.9		0.2	UG/L	%REC = 95; RPD = 2.4
GW-3030-051502-MD	MD	3030	5/15/2002	1,3,5-TRINITROBENZENE	1.12		0.04	UG/L	%REC = 59
GW-3030-042302-MD	MD	3030	4/23/2002	1,3-DINITROBENZENE	1.67		0.2	UG/L	%REC = 84; RPD = 2.9
GW-3030-051502-MD	MD	3030	5/15/2002	1,3-DINITROBENZENE	1.32		0.09	UG/L	%REC = 66
GW-3030-042302-MD	MD	3030	4/23/2002	2,4,6-TRINITROTOLUENE	1.64		0.2	UG/L	%REC = 82; RPD = 2.8
GW-3030-051502-MD	MD	3030	5/15/2002	2,4,6-TRINITROTOLUENE	1.26		0.08	UG/L	%REC = 63
GW-3030-042302-MD	MD	3030	4/23/2002	2,4-DINITROTOLUENE	2.68		0.2	UG/L	%REC = 85; RPD = 3.7
GW-3030-051502-MD	MD	3030	5/15/2002	2,4-DINITROTOLUENE	2.2		0.06	UG/L	%REC = 110
GW-3030-042302-MD	MD	3030	4/23/2002	2,6-DINITROTOLUENE	1.95		0.2	UG/L	%REC = 81; RPD = 3.9
GW-3030-051502-MD	MD	3030	5/15/2002	2,6-DINITROTOLUENE	1.76		0.1	UG/L	%REC = 88
GW-3030-042302-MD	MD	3030	4/23/2002	NITROBENZENE	1.64		0.2	UG/L	%REC = 82; RPD = 4.7
GW-3030-051502-MD	MD	3030	5/15/2002	NITROBENZENE	1.28		0.08	UG/L	%REC = 64
GW-3030-042302-MD	MD	3030	4/23/2002	TETRACHLOROETHENE (PCE)	43.9		25	UG/L	%REC = 88; RPD = 10
GW-3030-042302-MS	MD	3030	4/23/2002	TETRACHLOROETHENE (PCE)	48.6		5	UG/L	%REC = 97
GW-3030-051502-MD	MD	3030	5/15/2002	TETRACHLOROETHENE (PCE)	97		10	UG/L	%REC = 97; RPD = 1.7
GW-3030-051502-MS	MD	3030	5/15/2002	TETRACHLOROETHENE (PCE)	95.4		10	UG/L	%REC = 95
GW-3030-042302-MD	MD	3030	4/23/2002	TRICHLOROETHENE (TCE)	223		25	UG/L	%REC = 83; RPD = 3.5
GW-3030-042302-MS	MD	3030	4/23/2002	TRICHLOROETHENE (TCE)	215		5	UG/L	%REC = 67
GW-3030-051502-MD	MD	3030	5/15/2002	TRICHLOROETHENE (TCE)	349		10	UG/L	%REC = 75; RPD = 1.4
GW-3030-051502-MS	MD	3030	5/15/2002	TRICHLOROETHENE (TCE)	354		10	UG/L	%REC = 80
GW-3030-042302-MD	MD	3030	4/23/2002	VINYL CHLORIDE (VC)	60.3		50	UG/L	%REC = 121; RPD = 13
GW-3030-042302-MS	MD	3030	4/23/2002	VINYL CHLORIDE (VC)	68.8		10	UG/L	%REC = 138
GW-3030-051502-MD	MD	3030	5/15/2002	VINYL CHLORIDE (VC)	86.4		20	UG/L	%REC = 86; RPD = 2.4
GW-3030-051502-MS	MD	3030	5/15/2002	VINYL CHLORIDE (VC)	88.6		20	UG/L	%REC = 89
GW-3039-071102-MD	MD	3039	7/11/2002	1,2-DICHLOROETHENE (DCE)	227		200	UG/L	%REC = 111; RPD = 4.9
GW-3039-071102-MD	MD	3039	7/11/2002	1,3,5-TRINITROBENZENE	1.82		0.2	UG/L	%REC = 83; RPD = 6.4
GW-3039-071102-MD	MD	3039	7/11/2002	1,3-DINITROBENZENE	1.48		0.2	UG/L	%REC = 74; RPD = 6.8

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GW-3039-071102-MD	MD	3039	7/11/2002	2,4,6-TRINITROTOLUENE	1.37		0.2	UG/L	%REC = 69; RPD = 11
GW-3039-071102-MD	MD	3039	7/11/2002	2,4-DINITROTOLUENE	2.3		0.2	UG/L	%REC = 59; RPD = 7.4
GW-3039-071102-MD	MD	3039	7/11/2002	2,6-DINITROTOLUENE	1.36		0.2	UG/L	%REC = 68; RPD = 14
GW-3039-071102-MD	MD	3039	7/11/2002	NITROBENZENE	1.32		0.2	UG/L	%REC = 66; RPD = 8.5
GW-3039-071102-MD	MD	3039	7/11/2002	TETRACHLOROETHENE (PCE)	103		100	UG/L	%REC = 103; RPD = 3.2
GW-3039-071102-MD	MD	3039	7/11/2002	TRICHLOROETHENE (TCE)	222		100	UG/L	%REC = 86; RPD = 3.5
GW-3039-071102-MD	MD	3039	7/11/2002	VINYL CHLORIDE (VC)	132		200	UG/L	%REC = 132; RPD = 2.5
GW-4029-061002-MD	MD	4029	6/10/2002	1,2-DICHLOROETHENE (DCE)	421		800	UG/L	%REC = 104; RPD = 1.3
GW-4029-061002-MD	MD	4029	6/10/2002	1,3,5-TRINITROBENZENE	2.61		0.2	UG/L	%REC = 93; RPD = 5.3
GW-4029-061002-MD	MD	4029	6/10/2002	1,3-DINITROBENZENE	1.81		0.2	UG/L	%REC = 91; RPD = 10
GW-4029-061002-MD	MD	4029	6/10/2002	2,4,6-TRINITROTOLUENE	1.66		0.2	UG/L	%REC = 83; RPD = 6.4
GW-4029-061002-MD	MD	4029	6/10/2002	2,4-DINITROTOLUENE	1.84		0.2	UG/L	%REC = 88; RPD = 11
GW-4029-061002-MD	MD	4029	6/10/2002	2,6-DINITROTOLUENE	2.04		0.2	UG/L	%REC = 86; RPD = 9.2
GW-4029-061002-MD	MD	4029	6/10/2002	NITROBENZENE	1.62		0.2	UG/L	%REC = 81; RPD = 10
GW-4029-061002-MD	MD	4029	6/10/2002	TETRACHLOROETHENE (PCE)	204		400	UG/L	%REC = 102; RPD = 0.78
GW-4029-061002-MD	MD	4029	6/10/2002	TRICHLOROETHENE (TCE)	592		400	UG/L	%REC = 127; RPD = 0.40
GW-4029-061002-MD	MD	4029	6/10/2002	VINYL CHLORIDE (VC)	266		800	UG/L	%REC = 133; RPD = 3.1
GW-4037-032802-MD	MD	4037	3/28/2002	1,2-DICHLOROETHENE (DCE)	19		2	UG/L	%REC = 95; RPD = 2.8
GW-4037-032802-MD	MD	4037	3/28/2002	1,3,5-TRINITROBENZENE	1.61		0.2	UG/L	%REC = 74; RPD = 14
GW-4037-032802-MD	MD	4037	3/28/2002	1,3-DINITROBENZENE	1.46		0.2	UG/L	%REC = 73; RPD = 16
GW-4037-032802-MD	MD	4037	3/28/2002	2,4,6-TRINITROTOLUENE	2.44		0.2	UG/L	%REC = 61; RPD = 15
GW-4037-032802-MD	MD	4037	3/28/2002	2,4-DINITROTOLUENE	1.47		0.2	UG/L	%REC = 73; RPD = 17
GW-4037-032802-MD	MD	4037	3/28/2002	2,6-DINITROTOLUENE	1.44		0.2	UG/L	%REC = 72; RPD = 17
GW-4037-032802-MD	MD	4037	3/28/2002	NITROBENZENE	1.41		0.2	UG/L	%REC = 71; RPD = 20
GW-4037-032802-MD	MD	4037	3/28/2002	TETRACHLOROETHENE (PCE)	9.85		1	UG/L	%REC = 98; RPD = 3.5
GW-4037-032802-MD	MD	4037	3/28/2002	TRICHLOROETHENE (TCE)	13.2		1	UG/L	%REC = 79; RPD = 7.1
GW-4037-032802-MD	MD	4037	3/28/2002	VINYL CHLORIDE (VC)	12.8		2	UG/L	%REC = 128; RPD = 0.62
GW-3030-042302-MS	MS	3030	4/23/2002	1,2-DICHLOROETHENE (DCE)	120		10	UG/L	%REC = 108
GW-3030-051502-MS	MS	3030	5/15/2002	1,2-DICHLOROETHENE (DCE)	225		20	UG/L	%REC = 105
GW-3030-042302-MS	MS	3030	4/23/2002	1,3,5-TRINITROBENZENE	1.95		0.2	UG/L	%REC = 98
GW-3030-051502-MS	MS	3030	5/15/2002	1,3,5-TRINITROBENZENE	1.38		0.04	UG/L	%REC = 69
GW-3030-042302-MS	MS	3030	4/23/2002	1,3-DINITROBENZENE	1.72		0.2	UG/L	%REC = 86
GW-3030-051502-MS	MS	3030	5/15/2002	1,3-DINITROBENZENE	1.24		0.09	UG/L	%REC = 62
GW-3030-042302-MS	MS	3030	4/23/2002	2,4,6-TRINITROTOLUENE	1.68		0.2	UG/L	%REC = 84
GW-3030-051502-MS	MS	3030	5/15/2002	2,4,6-TRINITROTOLUENE	1.14		0.08	UG/L	%REC = 57
GW-3030-042302-MS	MS	3030	4/23/2002	2,4-DINITROTOLUENE	2.79		0.2	UG/L	%REC = 90
GW-3030-051502-MS	MS	3030	5/15/2002	2,4-DINITROTOLUENE	2.24		0.06	UG/L	%REC = 112
GW-3030-042302-MS	MS	3030	4/23/2002	2,6-DINITROTOLUENE	2.02		0.2	UG/L	%REC = 84
GW-3030-051502-MS	MS	3030	5/15/2002	2,6-DINTROTOLUENE	1.86		0.1	UG/L	%REC = 93
GW-3030-042302-MS	MS	3030	4/23/2002	ARSENIC	2130		2.4	UG/L	%REC = 106
GW-3030-051502-MS	MS	3030	5/15/2002	ARSENIC	2030		2.4	UG/L	%REC = 101
GW-3030-042302-MS	MS	3030	4/23/2002	BARIUM	2110		3.8	UG/L	%REC = 100
GW-3030-051502-MS	MS	3030	5/15/2002	BARIUM	1890		3.8	UG/L	%REC = 90
GW-3030-042302-MS	MS	3030	4/23/2002	CADMIUM	47.7		1.3	UG/L	%REC = 96

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GW-3030-051502-MS	MS	3030	5/15/2002	CADMIUM	46.5		1.3	UG/L	%REC = 93
GW-3030-042302-MS	MS	3030	4/23/2002	CHROMIUM	190		1.3	UG/L	%REC = 95
GW-3030-051502-MS	MS	3030	5/15/2002	CHROMIUM	181		1.3	UG/L	%REC = 90
GW-3030-042302-MS	MS	3030	4/23/2002	LEAD	506		2.1	UG/L	%REC = 101
GW-3030-051502-MS	MS	3030	5/15/2002	LEAD	467		2.1	UG/L	%REC = 93
GW-3030-042302-MS	MS	3030	4/23/2002	MANGANESE	574		1.4	UG/L	%REC = 98
GW-3030-051502-MS	MS	3030	5/15/2002	MANGANESE	529		1.4	UG/L	%REC = 93
GW-3030-042302-MS	MS	3030	4/23/2002	MERCURY	0.98		0.1	UG/L	%REC = 98
GW-3030-051502-MS	MS	3030	5/15/2002	MERCURY	0.89		0.1	UG/L	%REC = 88
GW-3030-042302-MS	MS	3030	4/23/2002	NITRATE-N	436		0.02	MG/L	%REC = 91
GW-3030-051502-MS	MS	3030	5/15/2002	NITRATE-N	651		0.05	MG/L	%REC = 110
GW-3030-042302-MS	MS	3030	4/23/2002	NITROBENZENE	1.72		0.2	UG/L	%REC = 86
GW-3030-051502-MS	MS	3030	5/15/2002	NITROBENZENE	1.2		0.08	UG/L	%REC = 60
GW-3030-042302-MS	MS	3030	4/23/2002	SELENIUM	2270		2.2	UG/L	%REC = 113
GW-3030-051502-MS	MS	3030	5/15/2002	SELENIUM	2170		2.2	UG/L	%REC = 108
GW-3030-042302-MS	MS	3030	4/23/2002	SILVER	53.6		1	UG/L	%REC = 107
GW-3030-051502-MS	MS	3030	5/15/2002	SILVER	48.4		1	UG/L	%REC = 97
GW-3030-042302-MS	MS	3030	4/23/2002	URANIUM, TOTAL	77.1	8.9	0.7	PCI/L	%REC = 84
GW-3030-051502-MS	MS	3030	5/15/2002	URANIUM, TOTAL	78.5	9	0.7	PCI/L	%REC = 89
GW-3039-071102-MS	MS	3039	7/11/2002	1,2-DICHLOROETHENE (DCE)	238		200	UG/L	%REC = 116
GW-3039-071102-MS	MS	3039	7/11/2002	1,3,5-TRINITROBENZENE	1.95		0.2	UG/L	%REC = 89
GW-3039-071102-MS	MS	3039	7/11/2002	1,3-DINITROBENZENE	1.59		0.2	UG/L	%REC = 79
GW-3039-071102-MS	MS	3039	7/11/2002	2,4,6-TRINITROTOLUENE	1.52		0.2	UG/L	%REC = 76
GW-3039-071102-MS	MS	3039	7/11/2002	2,4-DINITROTOLUENE	2.48		0.2	UG/L	%REC = 68
GW-3039-071102-MS	MS	3039	7/11/2002	2,6-DINITROTOLUENE	1.56		0.2	UG/L	%REC = 78
GW-3039-071102-MS	MS	3039	7/11/2002	ARSENIC	2120		1.9	UG/L	%REC = 106
GW-3039-071102-MS	MS	3039	7/11/2002	BARIUM	1970		2.5	UG/L	%REC = 91
GW-3039-071102-MS	MS	3039	7/11/2002	CADMIUM	45.3		0.6	UG/L	%REC = 91
GW-3039-071102-MS	MS	3039	7/11/2002	CHROMIUM	180		1	UG/L	%REC = 89
GW-3039-071102-MS	MS	3039	7/11/2002	LEAD	492		0.93	UG/L	%REC = 98
GW-3039-071102-MS	MS	3039	7/11/2002	MANGANESE	476		0.7	UG/L	%REC = 91
GW-3039-071102-MS	MS	3039	7/11/2002	MERCURY	1.6		0.1	UG/L	%REC = 86
GW-3039-071102-MS	MS	3039	7/11/2002	NITRATE-N	1620		0.05	MG/L	%REC = 119
GW-3039-071102-MS	MS	3039	7/11/2002	NITROBENZENE	1.44		0.2	UG/L	%REC = 72
GW-3039-071102-MS	MS	3039	7/11/2002	SELENIUM	2220		2.4	UG/L	%REC = 111
GW-3039-071102-MS	MS	3039	7/11/2002	SILVER	49.7		0.2	UG/L	%REC = 99
GW-3039-071102-MS	MS	3039	7/11/2002	TETRACHLOROETHENE (PCE)	106		100	UG/L	%REC = 106
GW-3039-071102-MS	MS	3039	7/11/2002	TRICHLOROETHENE (TCE)	230		100	UG/L	%REC = 94
GW-3039-071102-MS	MS	3039	7/11/2002	URANIUM, TOTAL	36.8	0.451	0.677	PCI/L	%REC = 106
GW-3039-071102-MS	MS	3039	7/11/2002	VINYL CHLORIDE (VC)	136		200	UG/L	%REC = 136
GW-4029-061002-MS	MS	4029	6/10/2002	1,2-DICHLOROETHENE (DCE)	427		40	UG/L	%REC = 106
GW-4029-061002-MS	MS	4029	6/10/2002	1,3,5-TRINITROBENZENE	2.76		0.2	UG/L	%REC = 100
GW-4029-061002-MS	MS	4029	6/10/2002	1,3-DINITROBENZENE	2.01		0.2	UG/L	%REC = 100
GW-4029-061002-MS	MS	4029	6/10/2002	2,4,6-TRINITROTOLUENE	1.77		0.2	UG/L	%REC = 89

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GW-4029-061002-MS	MS	4029	6/10/2002	2,4-DINITROTOLUENE	2.06		0.2	UG/L	%REC = 99
GW-4029-061002-MS	MS	4029	6/10/2002	2,6-DINITROTOLUENE	2.23		0.2	UG/L	%REC = 96
GW-4029-061002-MS	MS	4029	6/10/2002	ARSENIC	2090		2.4	UG/L	%REC = 105
GW-4029-061002-MS	MS	4029	6/10/2002	BARIUM	2030		4.1	UG/L	%REC = 94
GW-4029-061002-MS	MS	4029	6/10/2002	CADMIUM	46.2		1.3	UG/L	%REC = 92
GW-4029-061002-MS	MS	4029	6/10/2002	CHROMIUM	182		1.3	UG/L	%REC = 91
GW-4029-061002-MS	MS	4029	6/10/2002	LEAD	474		2.1	UG/L	%REC = 95
GW-4029-061002-MS	MS	4029	6/10/2002	MANGANESE	485		0.7	UG/L	%REC = 94
GW-4029-061002-MS	MS	4029	6/10/2002	MERCURY	2.6		0.1	UG/L	%REC = 87
GW-4029-061002-MS	MS	4029	6/10/2002	NITRATE-N	946		0.05	MG/L	%REC = 102
GW-4029-061002-MS	MS	4029	6/10/2002	NITROBENZENE	1.8		0.2	UG/L	%REC = 90
GW-4029-061002-MS	MS	4029	6/10/2002	SELENIUM	2200		2.2	UG/L	%REC = 110
GW-4029-061002-MS	MS	4029	6/10/2002	SILVER	50		1.6	UG/L	%REC = 100
GW-4029-061002-MS	MS	4029	6/10/2002	TETRACHLOROETHENE (PCE)	206		20	UG/L	%REC = 103
GW-4029-061002-MS	MS	4029	6/10/2002	TRICHLOROETHENE (TCE)	590		20	UG/L	%REC = 126
GW-4029-061002-MS	MS	4029	6/10/2002	URANIUM, TOTAL	62.1	1.29	0.677	PCI/L	%REC = 91.7
GW-4029-061002-MS	MS	4029	6/10/2002	VINYL CHLORIDE (VC)	275		40	UG/L	%REC = 137
GW-4037-032802-MS	MS	4037	3/28/2002	1,2-DICHLOROETHENE (DCE)	19.5		2	UG/L	%REC = 98
GW-4037-032802-MS	MS	4037	3/28/2002	1,3,5-TRINITROBENZENE	1.86		0.2	UG/L	%REC = 86
GW-4037-032802-MS	MS	4037	3/28/2002	1,3-DINITROBENZENE	1.71		0.2	UG/L	%REC = 86
GW-4037-032802-MS	MS	4037	3/28/2002	2,4,6-TRINITROTOLUENE	2.84		0.2	UG/L	%REC = 81
GW-4037-032802-MS	MS	4037	3/28/2002	2,4-DINITROTOLUENE	1.74		0.2	UG/L	%REC = 87
GW-4037-032802-MS	MS	4037	3/28/2002	2,6-DINITROTOLUENE	1.71		0.2	UG/L	%REC = 86
GW-4037-032802-MS	MS	4037	3/28/2002	ARSENIC	2150		1.2	UG/L	%REC = 107
GW-4037-032802-MS	MS	4037	3/28/2002	BARIUM	2150		10.8	UG/L	%REC = 103
GW-4037-032802-MS	MS	4037	3/28/2002	CADMIUM	48		0.22	UG/L	%REC = 96
GW-4037-032802-MS	MS	4037	3/28/2002	CHROMIUM	189		0.73	UG/L	%REC = 94
GW-4037-032802-MS	MS	4037	3/28/2002	LEAD	491		0.99	UG/L	%REC = 98
GW-4037-032802-MS	MS	4037	3/28/2002	MANGANESE	508		0.4	UG/L	%REC = 100
GW-4037-032802-MS	MS	4037	3/28/2002	MERCURY	0.98		0.1	UG/L	%REC = 98
GW-4037-032802-MS	MS	4037	3/28/2002	NITRATE-N	31.9		0.05	MG/L	%REC = 104
GW-4037-032802-MS	MS	4037	3/28/2002	NITROBENZENE	1.72		0.2	UG/L	%REC = 86
GW-4037-032802-MS	MS	4037	3/28/2002	SELENIUM	2200		1.2	UG/L	%REC = 110
GW-4037-032802-MS	MS	4037	3/28/2002	SILVER	52.2		1.7	UG/L	%REC = 104
GW-4037-032802-MS	MS	4037	3/28/2002	TETRACHLOROETHENE (PCE)	10.2		1	UG/L	%REC = 102
GW-4037-032802-MS	MS	4037	3/28/2002	TRICHLOROETHENE (TCE)	14.2		1	UG/L	%REC = 89
GW-4037-032802-MS	MS	4037	3/28/2002	URANIUM, TOTAL	38.1	4.4	0.7	PCI/L	%REC = 96
GW-4037-032802-MS	MS	4037	3/28/2002	VINYL CHLORIDE (VC)	12.9		2	UG/L	%REC = 129