

Table 1 Historical Analytical Results
Marty Miller Domestic Well

Date	12/16/09	1/13/10	2/11/10	2/11/10	3/9/10	4/16/10	5/24/10	
Sample ID	MILL1	MILL1	MILL1	MILL2	MILL1	MILL1	MILL1	
Lab Report ID	L437010	L440263	L444689 (L444692 BART)	L444689 (L444692 BART)	L448644	L454754	L460792 (L444692 BART)	
Collection Location	Hydrant at well	Hydrant at well	Hydrant at well	In house-post filter	Hydrant at well	Hydrant at well	Hydrant at well	units
Organics								
Benzene	ND	NR	NR	NR	NR	NR	NR	µg/L
Toluene	ND	NR	NR	NR	NR	NR	NR	µg/L
Ethylbenzene	ND	NR	NR	NR	NR	NR	NR	µg/L
Total Xylene	ND	NR	NR	NR	NR	NR	NR	µg/L
Oil & Grease	NR	NR	NR	NR	NR	NR	NR	mg/L
Methane	2.5	6.9	NR	6.8	2.2	4.2	10	mg/L
Anions								
Chloride	48	NR	NR	NR	NR	NR	NR	mg/L
Nitrate	ND	NR	NR	NR	NR	NR	NR	mg/L
Nitrite	ND	NR	NR	NR	NR	NR	NR	mg/L
Sulfate	38	NR	NR	NR	NR	NR	NR	mg/L
Fluoride	3.5	NR	NR	NR	NR	NR	NR	mg/L
Bromide	1.2	NR	NR	NR	NR	NR	NR	mg/L
Total Metals								
Calcium	6.2	NR	NR	NR	NR	NR	NR	mg/L
Iron	ND	NR	NR	NR	NR	NR	NR	mg/L
Potassium	0.62	NR	NR	NR	NR	NR	NR	mg/L
Magnesium	1.7	NR	NR	NR	NR	NR	NR	mg/L
Manganese	ND	NR	NR	NR	NR	NR	NR	mg/L
Selenium	0.024	NR	NR	NR	NR	NR	NR	mg/L
Sodium	180	NR	NR	NR	NR	NR	NR	mg/L
Water Quality								
Temperature (Field)	9.95	11.97	11.01	10.83	11.31	12.1	12.29	°C
Specific Conductance (Field)	760	NR	NR	NR	NR	NR	NR	µmohs/cm
Specific Conductance (Lab)	0.737	0.747	0.753	0.499	0.813	0.761	0.803	mS/cm
Dissolved Oxygen (Field)	0.96	0.87	2.72	2.07	3.15	0.54	0.7	mg/L
pH (Lab)	8.6	NR	NR	NR	NR	NR	NR	
pH (Field)	8.19	8.5	8.67	8.55	8.55	8.9	8.78	
Total Dissolved Solids (Field)	470	NR	NR	NR	NR	NR	NR	mg/L
Total Dissolved Solids (Lab)	0.5	0.5	0.5	0.3	0.5	0.5	0.5	g/L
Turbidity (Field)	9.7	9.6	17.1	5.9	11.7	40.8	90	NTU
Bacteria								
Sulfate Reducing Bacteria	NR	NR	ND	ND	NR	NR	ND	CFU/mL
Iron Related Bacteria	NR	NR	2,300	9,000	NR	NR	9,000	CFU/mL
Slime Forming Bacteria	NR	NR	12,500	12,500	NR	NR	700,000	CFU/mL

ND - Analysis performed, constituent

NR - Specific Constituent Analysis

µg/L - micrograms per Liter

mg/L - milligrams per Liter

°C - degrees Celcius

µmohs/cm - micromohs per

mS/cm - milliSiemens per centimeter (equivalent to 1,000

g/L - grams per Liter

NTU - Nephthelometric Turbidity

CFU/mL - Colony Forming Units per milliliter

Table 2 Isotopic Analytical Results
Marty Miller Domestic Well

[illegible]

Table 3 Volatile Organic (EPA 8260B) Compound Analytical Results
Marty Miller Domestic Well

Date	2/11/10	2/11/10	DL	Units
Sample ID	MILL1	MILL2		
Lab Report ID	L444689	L444689		
Collection Location	Hydrant at well	In house-post filter		
Acetone	ND	ND	0.050	mg/L
Acrolein	ND	ND	0.050	mg/L
Acrylonitrile	ND	ND	0.010	mg/L
Benzene	ND	ND	0.0010	mg/L
Bromobenzene	ND	ND	0.0010	mg/L
Bromodichloromethane	ND	ND	0.0010	mg/L
Bromoform	ND	ND	0.0010	mg/L
Bromomethane	ND	ND	0.0050	mg/L
n-Butylbenzene	ND	ND	0.0010	mg/L
sec-Butylbenzene	ND	ND	0.0010	mg/L
tert-Butylbenzene	ND	ND	0.0010	mg/L
Carbon tetrachloride	ND	ND	0.0010	mg/L
Chlorobenzene	ND	ND	0.0010	mg/L
Chlorodibromomethane	ND	ND	0.0010	mg/L
Chloroethane	ND	ND	0.0050	mg/L
2-Chloroethyl vinyl ether	ND	ND	0.050	mg/L
Chloroform	ND	ND	0.0050	mg/L
Chloromethane	ND	ND	0.0025	mg/L
2-Chlorotoluene	ND	ND	0.0010	mg/L
4-Chlorotoluene	ND	ND	0.0010	mg/L
1,2-Dibromo-3-Chloropropane	ND	ND	0.0050	mg/L
1,2-Dibromoethane	ND	ND	0.0010	mg/L
Dibromomethane	ND	ND	0.0010	mg/L
1,2-Dichlorobenzene	ND	ND	0.0010	mg/L
1,3-Dichlorobenzene	ND	ND	0.0010	mg/L
1,4-Dichlorobenzene	ND	ND	0.0010	mg/L
Dichlorodifluoromethane	ND	ND	0.0050	mg/L
1,1-Dichloroethane	ND	ND	0.0010	mg/L
1,2-Dichloroethane	ND	ND	0.0010	mg/L
1,1-Dichloroethene	ND	ND	0.0010	mg/L
cis-1,2-Dichloroethene	ND	ND	0.0010	mg/L
trans-1,2-Dichloroethene	ND	ND	0.0010	mg/L
1,2-Dichloropropane	ND	ND	0.0010	mg/L
1,1-Dichloropropene	ND	ND	0.0010	mg/L
1,3-Dichloropropane	ND	ND	0.0010	mg/L
cis-1,3-Dichloropropene	ND	ND	0.0010	mg/L
trans-1,3-Dichloropropene	ND	ND	0.0010	mg/L
2,2-Dichloropropane	ND	ND	0.0010	mg/L
Di-isopropyl ether	ND	ND	0.0010	mg/L
Ethylbenzene	ND	ND	0.0010	mg/L
Hexachloro-1,3-butadiene	ND	ND	0.0010	mg/L
Isopropylbenzene	ND	ND	0.0010	mg/L
p-Isopropyltoluene	ND	ND	0.0010	mg/L
2-Butanone (MEK)	ND	ND	0.010	mg/L
Methylene Chloride	ND	ND	0.0050	mg/L
4-Methyl-2-pentanone (MIBK)	ND	ND	0.010	mg/L
Methyl tert-butyl ether	ND	ND	0.0010	mg/L
Naphthalene	ND	ND	0.0050	mg/L
n-Propylbenzene	ND	ND	0.0010	mg/L
Styrene	ND	ND	0.0010	mg/L
1,1,1,2-Tetrachloroethane	ND	ND	0.0010	mg/L
1,1,2,2-Tetrachloroethane	ND	ND	0.0010	mg/L
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	0.0010	mg/L
Tetrachloroethene	ND	ND	0.0010	mg/L
Toluene	ND	ND	0.0050	mg/L
1,2,3-Trichlorobenzene	ND	ND	0.0010	mg/L
1,2,4-Trichlorobenzene	ND	ND	0.0010	mg/L
1,1,1-Trichloroethane	ND	ND	0.0010	mg/L
1,1,2-Trichloroethane	ND	ND	0.0010	mg/L
Trichloroethene	ND	ND	0.0010	mg/L
Trichlorofluoromethane	ND	ND	0.0050	mg/L
1,2,3-Trichloropropane	ND	ND	0.0010	mg/L
1,2,4-Trimethylbenzene	ND	ND	0.0010	mg/L
1,2,3-Trimethylbenzene	ND	ND	0.0010	mg/L
1,3,5-Trimethylbenzene	ND	ND	0.0010	mg/L
Vinyl chloride	ND	ND	0.0010	mg/L
Xylenes, Total	ND	ND	0.003	mg/L

DL - Detection Limit = the lowest concentration that can be detected for each analysis

ND - Analysis performed, constituent Not Detected

mg/L - milligram per Liter

Table 4 Historical Analytical Results
Marty Miller Irrigation Well

Date	5/10/05	9/29/05	3/10/06	3/9/10	
Sample ID	MILL2	MILL2	MILL2	MILL3	
Lab Report ID	L198648	L216688	L236927	L448644	
Collection Location	Well fitting	Well fitting	Well fitting	Well fitting	units
Organics					
Benzene	ND	ND	NR	NR	µg/L
Toluene	ND	ND	ND	NR	µg/L
Ethylbenzene	ND	ND	ND	NR	µg/L
Total Xylene	ND	ND	ND	NR	µg/L
Oil & Grease	ND	NR	NR	NR	mg/L
Methane	8.8	7.2	27	0.55	mg/L
Anions					
Chloride	120	140	130	NR	mg/L
Nitrate	ND	ND	ND	NR	mg/L
Nitrite	ND	ND	ND	NR	mg/L
Sulfate	130	49	72	NR	mg/L
Fluoride	3.1	4.5	4	NR	mg/L
Bromide	ND	1.1	ND	NR	mg/L
Total Metals					
Calcium	32	17	19	NR	mg/L
Iron	0.64	ND	0.19	NR	mg/L
Potassium	1.6	1	1.1	NR	mg/L
Magnesium	14	6.8	8	NR	mg/L
Manganese	0.018	ND	ND	NR	mg/L
Selenium	ND	ND	ND	NR	mg/L
Sodium	240	230	220	NR	mg/L
Water Quality					
Temperature (Field)	12.13	13.19	11.14	1.11	°C
Specific Conductance (L	1300	1200	1200	NR	µmohs/cm
Specific Conductance (F	1.321	1.082	1.001	1.061	mS/cm
Dissolved Oxygen (Field	1	0.7	2.87	3.24	mg/L
pH (Lab)	7.8	7.9	7.6	NR	
pH (Field)	7.55	8.05	8.03	7.66	
Total Dissolved Solids (770	640	590	NR	mg/L
Total Dissolved Solids (0.9	0.7	0.6	0.7	g/L
Turbidity (Field)	29.9	17	47.9	15.1	NTU
Bacteria					
Sulfate Reducing Bacteri	NR	NR	NR	NR	CFU/mL
Iron Reducing Bacteria	NR	NR	NR	NR	CFU/mL
Slime Forming Bacteria	NR	NR	NR	NR	CFU/mL

ND - Analysis performed, constituent Not Detected

NR - Specific Constituent Analysis Not Requested

µg/L - micrograms per Liter

mg/L - milligrams per Liter

°C - degrees Celcius

µmohs/cm - micromohs per centimeter

mS/cm - milliSiemens per centimeter (equivalent to 1,000 mmohs/cm)

g/L - grams per Liter

NTU - Nephthelometric Turbidity Units

CFU/mL - Colony Forming Units per milliliter

Table 5 Isotopic Analytical Results
Marty Miller Irrigation Well

Date	5/10/05	3/9/10	
Sample ID	MILL2	MILL3	
Lab Job #	82393	12642	
Collection Location	Well fitting	Well fitting	units
Gases			
Argon	0.411	1.27	%
Oxygen	0.0365	18.17	%
Carbon Dioxide	0.55	3.52	%
Nitrogen	24.62	61.74	%
Organic Gases			
Methane	74.32	15.27	%
Ethane	0.0299	0.0279	%
Ethylene	0	0.0004	%
Propane	0	0.0032	%
isobutane	0	0.0004	%
n-butane	0	0	%
isopentane	0	0	%
n-pentane	0	0	%
Hexanes+	0	0.0004	%
Isotopes			
delta C13 of Methane	-56.23	-51.26	per mil
delta D of Methane	-210.4	-186.2	per mil
delta C13 of Ethane	-27.2	0	per mil
delta C13 of Propane	0	0	per mil
delta D in water	0	0	per mil
delta O18 in water	0	0	per mil
delta 13C DIC in water	0	0	per mil