

List of WQ Summaries in Attachment MU1 4-1

List of WQ Summaries in Attachment MU1 4-1					
<i>M Wells</i>		<i>MO Wells</i>		<i>MP Wells</i>	
	Well M-101		Well MO-101		Well MP-101
	Well M-102		Well MO-102		Well MP-102
	Well M-103		Well MO-103		Well MP-103
	Well M-104		Well MO-104		Well MP-104
	Well M-105		Well MO-105		Well MP-105
	Well M-106		Well MO-106		Well MP-106
	Well M-107		Well MO-107		Well MP-107
	Well M-108		Well MO-108		Well MP-108
	Well M-109		Well MO-109		Well MP-110
	Well M-110		Well MO-110		Well MP-111
	Well M-111		Well MO-111		Well MP-112
	Well M-112		Well MO-112		Well MP-113
	Well M-113		Well MO-113		
	Well M-114	<i>MU Wells</i>			
	Well M-115		Well MU-101		
	Well M-116		Well MU-102		
	Well M-117		Well MU-103		
	Well M-118		Well MU-104		
	Well M-119		Well MU-105		
	Well M-120A		Well MU-106		
	Well M-121		Well MU-107		
	Well M-122		Well KPW-2		
	Well M-123		Well MU-109		
	Well M-124		Well MU-110		
	Well M-125		Well MU-111		
	Well M-126		Well MU-112		
	Well M-127		Well MU-113		
	Well M-128				

Well M-101

Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/20/2009	5/4/2009	5/18/2009	6/1/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Total Alkalinity as CaCO ₃	mg/L	51	71	83	100	51.00	76.25	100.00	20.61	14.41	138.09
CO ₃	mg/L	1	-1	-1	10	1.00	3.25	10.00	4.50	ND	16.75
HCO ₃	mg/L	60	87	101	102	60.00	87.50	102.00	19.57	28.79	146.21
Dissolved Calcium	mg/L	76	86	89	95	76.00	86.50	95.00	7.94	62.69	110.31
Total Chloride	mg/L	5	5	5	5	5.00	5.00	5.00	0.00	5.00	5.00
Dissolved Fluoride	mg/L	-0.1	0.1	0.1	0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Magnesium	mg/L	2	2	2	2	2.00	2.00	2.00	0.00	2.00	2.00
Total NH ₃ -N	mg/L	0.15	0.12	0.08	0.06	0.06	0.10	0.15	0.04	ND	0.22
Dissolved NO ₃ +NO ₂ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Potassium	mg/L	9	7	7	7	7.00	7.50	9.00	1.00	4.50	10.50
Dissolved SiO ₂	mg/L	11.5	15.5	14	12.9	11.50	13.48	15.50	1.69	8.39	18.56
Dissolved Sodium	mg/L	32	31	33	33	31.00	32.25	33.00	0.96	29.38	35.12
Total SO ₄	mg/L	227	235	232	231	227.00	231.25	235.00	3.30	221.34	241.16
Specific Conductance at 25 °C	µmhos/cm	590	655	617	649	590.00	627.75	655.00	30.19	537.17	718.33
Laboratory pH	SU	8.55	9.05	8.83	8.83	8.55	8.82	9.05	0.20	8.20	9.43
TDS Dried at 180 °C	mg/L	405	471	439	491	405.00	451.50	491.00	37.68	338.46	564.54
Dissolved Aluminum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Arsenic	mg/L	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.000	0.00	0.00
Dissolved Barium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Boron	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Cadmium	mg/L	-0.005	-0.005	-0.005	-0.005	0.005	0.005	0.005	0.000	0.01	0.01
Dissolved Chromium	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Copper	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01
Dissolved Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Dissolved Lead	mg/L	-0.001	-0.001	-0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Manganese	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/20/2009	5/4/2009	5/18/2009	6/1/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Dissolved Mercury	mg/L	-0.001	-0.001	-0.001	-0.001	0.00100	0.00100	0.00100	0.00000	0.00	0.00
Dissolved Molybdenum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Nickel	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Selenium	mg/L	-0.001	-0.001	-0.001	-0.001	0.00	0.00	0.00	0.00	0.00	0.00
Dissolved Uranium	mg/L	0.039	0.065	0.048	0.057	0.04	0.05	0.07	0.01	0.02	0.09
Dissolved Vanadium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Zinc	mg/L	-0.01	-0.01	-0.01	0.04	0.01	0.02	0.04	0.02	ND	0.06
Total Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Total Manganese	mg/L	-0.01	-0.01	-0.02	-0.01	0.01	0.01	0.02	0.01	ND	0.03
Gross Alpha	pCi/L	428	434	325	388	325.00	393.75	434.00	50.18	243.22	544.28
Gross Beta	pCi/L	138	100	91.3	129	91.30	114.58	138.00	22.44	47.25	181.90
Dissolved Ra-226	pCi/L	132	173	154	180	132.00	159.75	180.00	21.52	95.20	224.30
Dissolved Ra-228	pCi/L	5.1	4.7	7.4	8.1	4.70	6.33	8.10	1.68	1.29	11.36
Dissolved Ra-226+Ra-228	pCi/L	137.1	177.7	161.4	188.1	137.10	166.08	188.10	22.22	99.40	232.75

¹ Less than values are denoted by a minus sign in front of the detection limit.

² When the mean minus three standard deviations is a negative value, ND is written for "not detected".

- Parameter value exceeds WDEQ-WQD Domestic Class-of-Use (Class I).**
- Parameter value exceeds WDEQ-WQD Agriculture Class-of-Use (Class II).**
- Parameter value exceeds WDEQ-WQD Livestock Class-of-Use (Class III).**
- Parameter value exceeds EPA MCL criterion.**

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/20/2009	5/4/2009	5/18/2009	6/1/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Total Alkalinity as CaCO ₃	mg/L	129	131	131	133	129.00	131.00	133.00	1.63	126.10	135.90
CO ₃	mg/L	-1	-1	-1	-1	1.00	1.00	1.00	0.00	1.00	1.00
HCO ₃	mg/L	157	159	159	162	157.00	159.25	162.00	2.06	153.07	165.43
Dissolved Calcium	mg/L	112	115	110	116	110.00	113.25	116.00	2.75	104.99	121.51
Total Chloride	mg/L	5	5	5	5	5.00	5.00	5.00	0.00	5.00	5.00
Dissolved Fluoride	mg/L	0.1	0.1	0.1	0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Magnesium	mg/L	4	4	5	4	4.00	4.25	5.00	0.50	2.75	5.75
Total NH ₃ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved NO ₃ +NO ₂ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Potassium	mg/L	6	5	4	4	4.00	4.75	6.00	0.96	1.88	7.62
Dissolved SiO ₂	mg/L	13.5	17.8	16.3	14.9	13.50	15.63	17.80	1.85	10.09	21.16
Dissolved Sodium	mg/L	31	29	31	29	29.00	30.00	31.00	1.15	26.54	33.46
Total SO ₄	mg/L	255	253	256	253	253.00	254.25	256.00	1.50	249.75	258.75
Specific Conductance at 25 °C	µmhos/cm	753	767	724	726	724.00	742.50	767.00	21.02	679.45	805.55
Laboratory pH	SU	7.85	7.8	7.62	7.72	7.62	7.75	7.85	0.10	7.45	8.05
TDS Dried at 180 °C	mg/L	520	553	522	548	520.00	535.75	553.00	17.17	484.23	587.27
Dissolved Aluminum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Arsenic	mg/L	0.003	0.003	0.005	0.003	0.003	0.004	0.005	0.001	0.00	0.01
Dissolved Barium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Boron	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Cadmium	mg/L	-0.005	-0.005	-0.005	-0.005	0.005	0.005	0.005	0.000	0.01	0.01
Dissolved Chromium	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Copper	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01
Dissolved Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Dissolved Lead	mg/L	-0.001	-0.001	-0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Manganese	mg/L	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.00	0.02	0.02

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/20/2009	5/4/2009	5/18/2009	6/1/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Dissolved Mercury	mg/L	-0.001	-0.001	-0.001	-0.001	0.00100	0.00100	0.00100	0.00000	0.00	0.00
Dissolved Molybdenum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Nickel	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Selenium	mg/L	-0.001	-0.001	-0.001	-0.001	0.00	0.00	0.00	0.00	0.00	0.00
Dissolved Uranium	mg/L	0.037	0.041	0.039	0.041	0.04	0.04	0.04	0.00	0.03	0.05
Dissolved Vanadium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Zinc	mg/L	0.01	-0.01	0.02	0.03	0.01	0.02	0.03	0.01	ND	0.05
Total Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Total Manganese	mg/L	0.03	0.02	0.02	0.02	0.02	0.02	0.03	0.00	0.01	0.04
Gross Alpha	pCi/L	65.7	71.7	55.2	60.4	55.20	63.25	71.70	7.08	42.01	84.49
Gross Beta	pCi/L	23.1	30.1	23.9	22.1	22.10	24.80	30.10	3.61	13.97	35.63
Dissolved Ra-226	pCi/L	2.4	3.1	3.7	2.4	2.40	2.90	3.70	0.63	1.02	4.78
Dissolved Ra-228	pCi/L	2.2	2	3.1	2.3	2.00	2.40	3.10	0.48	0.95	3.85
Dissolved Ra-226+Ra-228	pCi/L	4.6	5.1	6.8	4.7	4.60	5.30	6.80	1.02	2.23	8.37

¹ Less than values are denoted by a minus sign in front of the detection limit.

² When the mean minus three standard deviations is a negative value, ND is written for "not detected".

- Parameter value exceeds WDEQ-WQD Domestic Class-of-Use (Class I).**
- Parameter value exceeds WDEQ-WQD Agriculture Class-of-Use (Class II).**
- Parameter value exceeds WDEQ-WQD Livestock Class-of-Use (Class III).**
- Parameter value exceeds EPA MCL criterion.**

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/20/2009	5/4/2009	5/18/2009	6/1/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Total Alkalinity as CaCO ₃	mg/L	143	142	142	143	142.00	142.50	143.00	0.58	140.77	144.23
CO ₃	mg/L	-1	-1	-1	-1	1.00	1.00	1.00	0.00	1.00	1.00
HCO ₃	mg/L	174	173	174	174	173.00	173.75	174.00	0.50	172.25	175.25
Dissolved Calcium	mg/L	133	133	135	130	130.00	132.75	135.00	2.06	126.57	138.93
Total Chloride	mg/L	7	7	6	6	6.00	6.50	7.00	0.58	4.77	8.23
Dissolved Fluoride	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Magnesium	mg/L	6	6	6	6	6.00	6.00	6.00	0.00	6.00	6.00
Total NH ₃ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved NO ₃ +NO ₂ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Potassium	mg/L	4	4	4	4	4.00	4.00	4.00	0.00	4.00	4.00
Dissolved SiO ₂	mg/L	14.2	19.2	18.3	15.5	14.20	16.80	19.20	2.34	9.77	23.83
Dissolved Sodium	mg/L	29	30	31	31	29.00	30.25	31.00	0.96	27.38	33.12
Total SO ₄	mg/L	293	296	288	290	288.00	291.75	296.00	3.50	281.25	302.25
Specific Conductance at 25 °C	µmhos/cm	852	873	816	822	816.00	840.75	873.00	26.65	760.80	920.70
Laboratory pH	SU	7.77	7.67	7.74	7.58	7.58	7.69	7.77	0.08	7.44	7.94
TDS Dried at 180 °C	mg/L	609	629	608	627	608.00	618.25	629.00	11.30	584.36	652.14
Dissolved Aluminum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Arsenic	mg/L	0.002	0.002	0.001	0.001	0.001	0.002	0.002	0.001	ND	0.00
Dissolved Barium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Boron	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Cadmium	mg/L	-0.005	-0.005	-0.005	-0.005	0.005	0.005	0.005	0.000	0.01	0.01
Dissolved Chromium	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Copper	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01
Dissolved Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Dissolved Lead	mg/L	-0.001	-0.001	-0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Manganese	mg/L	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.00	0.03	0.03

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/20/2009	5/4/2009	5/18/2009	6/1/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Dissolved Mercury	mg/L	-0.001	-0.001	-0.001	-0.001	0.00100	0.00100	0.00100	0.00000	0.00	0.00
Dissolved Molybdenum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Nickel	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Selenium	mg/L	0.029	0.032	0.032	0.032	0.03	0.03	0.03	0.00	0.03	0.04
Dissolved Uranium	mg/L	0.559	0.607	0.554	0.548	0.55	0.57	0.61	0.03	0.49	0.65
Dissolved Vanadium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Zinc	mg/L	-0.01	0.04	0.01	0.03	0.01	0.02	0.04	0.02	ND	0.07
Total Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Total Manganese	mg/L	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.00	0.03	0.03
Gross Alpha	pCi/L	461	518	502	438	438.00	479.75	518.00	36.75	369.49	590.01
Gross Beta	pCi/L	130	182	191	204	130.00	176.75	204.00	32.45	79.40	274.10
Dissolved Ra-226	pCi/L	1.4	1.9	2	1.6	1.40	1.73	2.00	0.28	0.90	2.55
Dissolved Ra-228	pCi/L	2.2	1.6	3.7	2.6	1.60	2.53	3.70	0.88	ND	5.18
Dissolved Ra-226+Ra-228	pCi/L	3.6	3.5	5.7	4.2	3.50	4.25	5.70	1.01	1.21	7.29

¹ Less than values are denoted by a minus sign in front of the detection limit.

² When the mean minus three standard deviations is a negative value, ND is written for "not detected".

Parameter value exceeds WDEQ-WQD Domestic Class-of-Use (Class I).

Parameter value exceeds WDEQ-WQD Agriculture Class-of-Use (Class II).

Parameter value exceeds WDEQ-WQD Livestock Class-of-Use (Class III).

Parameter value exceeds EPA MCL criterion.

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/20/2009	5/4/2009	5/18/2009	6/1/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Total Alkalinity as CaCO ₃	mg/L	136	137	139	140	136.00	138.00	140.00	1.83	132.52	143.48
CO ₃	mg/L	-1	-1	-1	-1	1.00	1.00	1.00	0.00	1.00	1.00
HCO ₃	mg/L	166	168	169	171	166.00	168.50	171.00	2.08	162.26	174.74
Dissolved Calcium	mg/L	134	130	135	124	124.00	130.75	135.00	4.99	115.78	145.72
Total Chloride	mg/L	11	10	9	9	9.00	9.75	11.00	0.96	6.88	12.62
Dissolved Fluoride	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Magnesium	mg/L	5	5	5	5	5.00	5.00	5.00	0.00	5.00	5.00
Total NH ₃ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved NO ₃ +NO ₂ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Potassium	mg/L	5	4	4	4	4.00	4.25	5.00	0.50	2.75	5.75
Dissolved SiO ₂	mg/L	14.9	19.1	18.2	16	14.90	17.05	19.10	1.94	11.24	22.86
Dissolved Sodium	mg/L	30	28	29	31	28.00	29.50	31.00	1.29	25.63	33.37
Total SO ₄	mg/L	277	278	269	278	269.00	275.50	278.00	4.36	262.42	288.58
Specific Conductance at 25 °C	µmhos/cm	822	842	793	797	793.00	813.50	842.00	22.93	744.72	882.28
Laboratory pH	SU	7.97	7.94	7.85	7.67	7.67	7.86	7.97	0.14	7.45	8.26
TDS Dried at 180 °C	mg/L	578	602	544	603	544.00	581.75	603.00	27.69	498.67	664.83
Dissolved Aluminum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Arsenic	mg/L	0.001	0.001	0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Barium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Boron	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Cadmium	mg/L	-0.005	-0.005	-0.005	-0.005	0.005	0.005	0.005	0.000	0.01	0.01
Dissolved Chromium	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Copper	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01
Dissolved Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Dissolved Lead	mg/L	-0.001	-0.001	-0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Manganese	mg/L	0.04	0.04	0.04	0.05	0.04	0.04	0.05	0.01	0.03	0.06

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/20/2009	5/4/2009	5/18/2009	6/1/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Dissolved Mercury	mg/L	-0.001	-0.001	-0.001	-0.001	0.00100	0.00100	0.00100	0.00000	0.00	0.00
Dissolved Molybdenum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Nickel	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Selenium	mg/L	0.033	0.037	0.037	0.039	0.03	0.04	0.04	0.00	0.03	0.04
Dissolved Uranium	mg/L	0.571	0.612	0.585	0.609	0.57	0.59	0.61	0.02	0.54	0.65
Dissolved Vanadium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Zinc	mg/L	-0.01	0.02	0.01	0.02	0.01	0.02	0.02	0.01	ND	0.03
Total Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Total Manganese	mg/L	0.04	0.05	0.05	0.05	0.04	0.05	0.05	0.01	0.03	0.06
Gross Alpha	pCi/L	587	633	524	603	524.00	586.75	633.00	45.97	448.83	724.67
Gross Beta	pCi/L	220	246	198	173	173.00	209.25	246.00	31.13	115.87	302.63
Dissolved Ra-226	pCi/L	2.5	3.2	1.8	2.7	1.80	2.55	3.20	0.58	0.81	4.29
Dissolved Ra-228	pCi/L	2.8	1.4	2.3	3.4	1.40	2.48	3.40	0.85	ND	5.01
Dissolved Ra-226+Ra-228	pCi/L	5.3	4.6	4.1	6.1	4.10	5.03	6.10	0.87	2.42	7.63

¹ Less than values are denoted by a minus sign in front of the detection limit.

² When the mean minus three standard deviations is a negative value, ND is written for "not detected".

Parameter value exceeds WDEQ-WQD Domestic Class-of-Use (Class I).

Parameter value exceeds WDEQ-WQD Agriculture Class-of-Use (Class II).

Parameter value exceeds WDEQ-WQD Livestock Class-of-Use (Class III).

Parameter value exceeds EPA MCL criterion.

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/20/2009	5/4/2009	5/18/2009	6/1/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Total Alkalinity as CaCO ₃	mg/L	131	132	130	131	130.00	131.00	132.00	0.82	128.55	133.45
CO ₃	mg/L	-1	-1	-1	-1	1.00	1.00	1.00	0.00	1.00	1.00
HCO ₃	mg/L	160	161	159	160	159.00	160.00	161.00	0.82	157.55	162.45
Dissolved Calcium	mg/L	114	107	116	105	105.00	110.50	116.00	5.32	94.53	126.47
Total Chloride	mg/L	6	6	5	5	5.00	5.50	6.00	0.58	3.77	7.23
Dissolved Fluoride	mg/L	0.1	0.1	0.1	0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Magnesium	mg/L	4	4	5	4	4.00	4.25	5.00	0.50	2.75	5.75
Total NH ₃ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved NO ₃ +NO ₂ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Potassium	mg/L	3	2	3	3	2.00	2.75	3.00	0.50	1.25	4.25
Dissolved SiO ₂	mg/L	13.4	17.7	15.9	14.9	13.40	15.48	17.70	1.80	10.06	20.89
Dissolved Sodium	mg/L	31	30	31	31	30.00	30.75	31.00	0.50	29.25	32.25
Total SO ₄	mg/L	239	238	239	236	236.00	238.00	239.00	1.41	233.76	242.24
Specific Conductance at 25 °C	µmhos/cm	727	738	697	703	697.00	716.25	738.00	19.45	657.90	774.60
Laboratory pH	SU	7.66	7.76	7.61	7.67	7.61	7.68	7.76	0.06	7.49	7.86
TDS Dried at 180 °C	mg/L	507	527	472	495	472.00	500.25	527.00	23.00	431.26	569.24
Dissolved Aluminum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Arsenic	mg/L	-0.001	-0.001	-0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Barium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Boron	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Cadmium	mg/L	-0.005	-0.005	-0.005	-0.005	0.005	0.005	0.005	0.000	0.01	0.01
Dissolved Chromium	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Copper	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01
Dissolved Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Dissolved Lead	mg/L	-0.001	-0.001	-0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Manganese	mg/L	0.02	0.02	0.03	0.02	0.02	0.02	0.03	0.01	0.01	0.04

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/20/2009	5/4/2009	5/18/2009	6/1/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Dissolved Mercury	mg/L	-0.001	-0.001	-0.001	-0.001	0.00100	0.00100	0.00100	0.00000	0.00	0.00
Dissolved Molybdenum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Nickel	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Selenium	mg/L	-0.001	-0.001	0.001	-0.001	0.00	0.00	0.00	0.00	0.00	0.00
Dissolved Uranium	mg/L	0.081	0.085	0.083	0.086	0.08	0.08	0.09	0.00	0.08	0.09
Dissolved Vanadium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Zinc	mg/L	-0.01	0.02	-0.01	-0.01	0.01	0.01	0.02	0.01	ND	0.03
Total Iron	mg/L	0.07	0.06	0.06	0.06	0.06	0.06	0.07	0.01	0.05	0.08
Total Manganese	mg/L	0.03	0.03	0.02	0.02	0.02	0.03	0.03	0.01	0.01	0.04
Gross Alpha	pCi/L	537	523	377	661	377.00	524.50	661.00	116.26	175.73	873.27
Gross Beta	pCi/L	114	126	117	175	114.00	133.00	175.00	28.46	47.62	218.38
Dissolved Ra-226	pCi/L	228	249	184	267	184.00	232.00	267.00	35.75	124.75	339.25
Dissolved Ra-228	pCi/L	7	5	5.8	7.6	5.00	6.35	7.60	1.17	2.84	9.86
Dissolved Ra-226+Ra-228	pCi/L	235	254	189.8	274.6	189.80	238.35	274.60	36.18	129.81	346.89

¹ Less than values are denoted by a minus sign in front of the detection limit.

² When the mean minus three standard deviations is a negative value, ND is written for "not detected".

- Parameter value exceeds WDEQ-WQD Domestic Class-of-Use (Class I).**
- Parameter value exceeds WDEQ-WQD Agriculture Class-of-Use (Class II).**
- Parameter value exceeds WDEQ-WQD Livestock Class-of-Use (Class III).**
- Parameter value exceeds EPA MCL criterion.**

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/20/2009	5/4/2009	5/18/2009	6/1/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Total Alkalinity as CaCO ₃	mg/L	128	129	127	129	127.00	128.25	129.00	0.96	125.38	131.12
CO ₃	mg/L	-1	-1	-1	-1	1.00	1.00	1.00	0.00	1.00	1.00
HCO ₃	mg/L	156	157	156	157	156.00	156.50	157.00	0.58	154.77	158.23
Dissolved Calcium	mg/L	107	107	111	109	107.00	108.50	111.00	1.91	102.76	114.24
Total Chloride	mg/L	5	5	5	5	5.00	5.00	5.00	0.00	5.00	5.00
Dissolved Fluoride	mg/L	0.1	0.1	0.1	0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Magnesium	mg/L	4	4	4	4	4.00	4.00	4.00	0.00	4.00	4.00
Total NH ₃ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved NO ₃ +NO ₂ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Potassium	mg/L	3	3	3	3	3.00	3.00	3.00	0.00	3.00	3.00
Dissolved SiO ₂	mg/L	13.2	18	15.7	14.2	13.20	15.28	18.00	2.09	9.01	21.54
Dissolved Sodium	mg/L	31	28	31	27	27.00	29.25	31.00	2.06	23.07	35.43
Total SO ₄	mg/L	229	231	235	235	229.00	232.50	235.00	3.00	223.50	241.50
Specific Conductance at 25 °C	µmhos/cm	709	726	693	695	693.00	705.75	726.00	15.26	659.97	751.53
Laboratory pH	SU	7.84	7.9	7.83	7.79	7.79	7.84	7.90	0.05	7.70	7.98
TDS Dried at 180 °C	mg/L	491	505	489	502	489.00	496.75	505.00	7.93	472.95	520.55
Dissolved Aluminum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Arsenic	mg/L	-0.001	0.001	-0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Barium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Boron	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Cadmium	mg/L	-0.005	-0.005	-0.005	-0.005	0.005	0.005	0.005	0.000	0.01	0.01
Dissolved Chromium	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Copper	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01
Dissolved Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Dissolved Lead	mg/L	-0.001	-0.001	-0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Manganese	mg/L	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.00	0.02	0.02

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/20/2009	5/4/2009	5/18/2009	6/1/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Dissolved Mercury	mg/L	-0.001	-0.001	-0.001	-0.001	0.00100	0.00100	0.00100	0.00000	0.00	0.00
Dissolved Molybdenum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Nickel	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Selenium	mg/L	-0.001	-0.001	-0.001	-0.001	0.00	0.00	0.00	0.00	0.00	0.00
Dissolved Uranium	mg/L	0.050	0.059	0.055	0.050	0.05	0.05	0.06	0.00	0.04	0.07
Dissolved Vanadium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Zinc	mg/L	-0.01	-0.01	0.02	-0.01	0.01	0.01	0.02	0.01	ND	0.03
Total Iron	mg/L	0.99	2.71	0.88	0.68	0.68	0.85	0.99	0.16	0.38	1.32
Total Manganese	mg/L	0.02	0.04	0.02	0.03	0.02	0.03	0.04	0.01	ND	0.06
Gross Alpha	pCi/L	71.3	94	76.1	107	71.30	87.10	107.00	16.47	37.68	136.52
Gross Beta	pCi/L	26.3	26.9	26.6	44.2	26.30	31.00	44.20	8.80	4.59	57.41
Dissolved Ra-226	pCi/L	11	12	13	14	11.00	12.50	14.00	1.29	8.63	16.37
Dissolved Ra-228	pCi/L	4.3	2.8	5.3	6.7	2.80	4.78	6.70	1.64	ND	9.71
Dissolved Ra-226+Ra-228	pCi/L	15.3	14.8	18.3	20.7	14.80	17.28	20.70	2.76	9.00	25.55

¹ Less than values are denoted by a minus sign in front of the detection limit.

² When the mean minus three standard deviations is a negative value, ND is written for "not detected".

- Parameter value exceeds WDEQ-WQD Domestic Class-of-Use (Class I).
- Parameter value exceeds WDEQ-WQD Agriculture Class-of-Use (Class II).
- Parameter value exceeds WDEQ-WQD Livestock Class-of-Use (Class III).
- Parameter value exceeds EPA MCL criterion.
- Value is an outlier or calculation excludes outlier(s).

Outliers were identified based on the data from all M wells, not on a well-by-well basis. Outlier identification is explained in **Section 4.3**.

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/20/2009	5/4/2009	5/18/2009	6/1/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Total Alkalinity as CaCO ₃	mg/L	67	84	90	103	67.00	86.00	103.00	14.94	41.17	130.83
CO ₃	mg/L	-1	-1	-1	4	1.00	1.75	4.00	1.50	ND	6.25
HCO ₃	mg/L	82	103	110	118	82.00	103.25	118.00	15.44	56.94	149.56
Dissolved Calcium	mg/L	84	89	97	96	84.00	91.50	97.00	6.14	73.09	109.91
Total Chloride	mg/L	6	6	6	6	6.00	6.00	6.00	0.00	6.00	6.00
Dissolved Fluoride	mg/L	0.1	0.1	0.1	0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Magnesium	mg/L	2	3	3	3	2.00	2.75	3.00	0.50	1.25	4.25
Total NH ₃ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved NO ₃ +NO ₂ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Potassium	mg/L	14	10	10	9	9.00	10.75	14.00	2.22	4.10	17.40
Dissolved SiO ₂	mg/L	12.6	16.2	15.1	14	12.60	14.48	16.20	1.54	9.86	19.09
Dissolved Sodium	mg/L	33	31	33	35	31.00	33.00	35.00	1.63	28.10	37.90
Total SO ₄	mg/L	222	229	230	230	222.00	227.75	230.00	3.86	216.16	239.34
Specific Conductance at 25 °C	µmhos/cm	620	670	639	658	620.00	646.75	670.00	21.93	580.96	712.54
Laboratory pH	SU	8.37	8.83	8.75	8.68	8.37	8.66	8.83	0.20	8.05	9.26
TDS Dried at 180 °C	mg/L	424	481	437	475	424.00	454.25	481.00	28.04	370.13	538.37
Dissolved Aluminum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Arsenic	mg/L	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.000	0.00	0.00
Dissolved Barium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Boron	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Cadmium	mg/L	-0.005	-0.005	-0.005	-0.005	0.005	0.005	0.005	0.000	0.01	0.01
Dissolved Chromium	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Copper	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01
Dissolved Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Dissolved Lead	mg/L	-0.001	-0.001	-0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Manganese	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/20/2009	5/4/2009	5/18/2009	6/1/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Dissolved Mercury	mg/L	-0.001	-0.001	-0.001	-0.001	0.00100	0.00100	0.00100	0.00000	0.00	0.00
Dissolved Molybdenum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Nickel	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Selenium	mg/L	-0.001	-0.001	-0.001	-0.001	0.00	0.00	0.00	0.00	0.00	0.00
Dissolved Uranium	mg/L	0.039	0.052	0.050	0.053	0.04	0.05	0.05	0.01	0.03	0.07
Dissolved Vanadium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Zinc	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01
Total Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Total Manganese	mg/L	-0.02	-0.01	-0.02	-0.01	0.01	0.02	0.02	0.01	ND	0.03
Gross Alpha	pCi/L	68.5	69	86.8	83.3	68.50	76.90	86.80	9.52	48.34	105.46
Gross Beta	pCi/L	33.1	33.4	34.4	35.1	33.10	34.00	35.10	0.92	31.24	36.76
Dissolved Ra-226	pCi/L	4.7	6	4.6	6.9	4.60	5.55	6.90	1.10	2.24	8.86
Dissolved Ra-228	pCi/L	2	2.7	4.3	4.1	2.00	3.28	4.30	1.11	ND	6.60
Dissolved Ra-226+Ra-228	pCi/L	6.7	8.7	8.9	11	6.70	8.83	11.00	1.76	3.55	14.10

¹ Less than values are denoted by a minus sign in front of the detection limit.

² When the mean minus three standard deviations is a negative value, ND is written for "not detected".

- Parameter value exceeds WDEQ-WQD Domestic Class-of-Use (Class I).**
- Parameter value exceeds WDEQ-WQD Agriculture Class-of-Use (Class II).**
- Parameter value exceeds WDEQ-WQD Livestock Class-of-Use (Class III).**
- Parameter value exceeds EPA MCL criterion.**

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/20/2009	5/4/2009	5/18/2009	6/1/2009	Minimum	Mean	Maximum	Standard Deviation	Mean \pm 3 Standard Deviations ²	
Total Alkalinity as CaCO ₃	mg/L	122	122	122	122	122.00	122.00	122.00	0.00	122.00	122.00
CO ₃	mg/L	-1	-1	-1	-1	1.00	1.00	1.00	0.00	1.00	1.00
HCO ₃	mg/L	149	149	149	149	149.00	149.00	149.00	0.00	149.00	149.00
Dissolved Calcium	mg/L	96	94	90	86	86.00	91.50	96.00	4.43	78.20	104.80
Total Chloride	mg/L	6	5	5	5	5.00	5.25	6.00	0.50	3.75	6.75
Dissolved Fluoride	mg/L	0.1	0.1	0.1	0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Magnesium	mg/L	4	4	4	4	4.00	4.00	4.00	0.00	4.00	4.00
Total NH ₃ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved NO ₃ +NO ₂ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Potassium	mg/L	3	3	3	3	3.00	3.00	3.00	0.00	3.00	3.00
Dissolved SiO ₂	mg/L	13.7	17.6	15.6	14.2	13.70	15.28	17.60	1.75	10.04	20.51
Dissolved Sodium	mg/L	29	27	29	29	27.00	28.50	29.00	1.00	25.50	31.50
Total SO ₄	mg/L	191	188	188	189	188.00	189.00	191.00	1.41	184.76	193.24
Specific Conductance at 25 °C	µmhos/cm	628	629	598	607	598.00	615.50	629.00	15.46	569.12	661.88
Laboratory pH	SU	7.89	7.88	7.91	7.86	7.86	7.89	7.91	0.02	7.82	7.95
TDS Dried at 180 °C	mg/L	423	439	394	425	394.00	420.25	439.00	18.89	363.57	476.93
Dissolved Aluminum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Arsenic	mg/L	-0.001	-0.001	-0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Barium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Boron	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Cadmium	mg/L	-0.005	-0.005	-0.005	-0.005	0.005	0.005	0.005	0.000	0.01	0.01
Dissolved Chromium	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Copper	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01
Dissolved Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Dissolved Lead	mg/L	-0.001	-0.001	-0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Manganese	mg/L	0.02	0.02	0.02	0.01	0.01	0.02	0.02	0.01	0.00	0.03

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/20/2009	5/4/2009	5/18/2009	6/1/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Dissolved Mercury	mg/L	-0.001	-0.001	-0.001	-0.001	0.00100	0.00100	0.00100	0.00000	0.00	0.00
Dissolved Molybdenum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Nickel	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Selenium	mg/L	-0.001	-0.001	-0.001	-0.001	0.00	0.00	0.00	0.00	0.00	0.00
Dissolved Uranium	mg/L	0.016	0.016	0.015	0.015	0.01	0.02	0.02	0.00	0.01	0.02
Dissolved Vanadium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Zinc	mg/L	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.01	0.00	0.01	0.01
Total Iron	mg/L	0.1	0.09	0.09	0.1	0.09	0.10	0.10	0.01	0.08	0.11
Total Manganese	mg/L	-0.02	0.02	-0.02	0.01	0.01	0.02	0.02	0.01	0.00	0.03
Gross Alpha	pCi/L	49.7	41.2	41.4	45.4	41.20	44.43	49.70	4.01	32.38	56.47
Gross Beta	pCi/L	18.5	18.9	18.4	20.3	18.40	19.03	20.30	0.88	16.39	21.66
Dissolved Ra-226	pCi/L	9	9.7	8.2	9.7	8.20	9.15	9.70	0.71	7.01	11.29
Dissolved Ra-228	pCi/L	5.8	4.9	5.3	6.7	4.90	5.68	6.70	0.78	3.35	8.00
Dissolved Ra-226+Ra-228	pCi/L	14.8	14.6	13.5	16.4	13.50	14.83	16.40	1.20	11.24	18.41

¹ Less than values are denoted by a minus sign in front of the detection limit.

² When the mean minus three standard deviations is a negative value, ND is written for "not detected".

- Parameter value exceeds WDEQ-WQD Domestic Class-of-Use (Class I).**
- Parameter value exceeds WDEQ-WQD Agriculture Class-of-Use (Class II).**
- Parameter value exceeds WDEQ-WQD Livestock Class-of-Use (Class III).**
- Parameter value exceeds EPA MCL criterion.**

Well M-109

Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/20/2009	5/4/2009	5/18/2009	6/1/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Total Alkalinity as CaCO ₃	mg/L	86	86	88	90	86.00	87.50	90.00	1.91	81.76	93.24
CO ₃	mg/L	1	-1	-1	-1	1.00	1.00	1.00	0.00	1.00	1.00
HCO ₃	mg/L	103	105	108	109	103.00	106.25	109.00	2.75	97.99	114.51
Dissolved Calcium	mg/L	60	61	60	58	58.00	59.75	61.00	1.26	55.98	63.52
Total Chloride	mg/L	5	5	5	5	5.00	5.00	5.00	0.00	5.00	5.00
Dissolved Fluoride	mg/L	0.2	0.2	0.2	0.2	0.20	0.20	0.20	0.00	0.20	0.20
Dissolved Magnesium	mg/L	3	3	3	3	3.00	3.00	3.00	0.00	3.00	3.00
Total NH ₃ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved NO ₃ +NO ₂ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Potassium	mg/L	6	5	5	5	5.00	5.25	6.00	0.50	3.75	6.75
Dissolved SiO ₂	mg/L	11.3	15.3	11.7	12.6	11.30	12.73	15.30	1.80	7.32	18.13
Dissolved Sodium	mg/L	30	28	31	31	28.00	30.00	31.00	1.41	25.76	34.24
Total SO ₄	mg/L	144	145	147	147	144.00	145.75	147.00	1.50	141.25	150.25
Specific Conductance at 25 °C	µmhos/cm	483	488	470	487	470.00	482.00	488.00	8.29	457.14	506.86
Laboratory pH	SU	8.3	8.1	8.3	8.12	8.10	8.21	8.30	0.11	7.88	8.53
TDS Dried at 180 °C	mg/L	322	335	292	334	292.00	320.75	335.00	20.06	260.58	380.92
Dissolved Aluminum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Arsenic	mg/L	0.002	0.002	0.002	0.001	0.001	0.002	0.002	0.001	0.00	0.00
Dissolved Barium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Boron	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Cadmium	mg/L	-0.005	-0.005	-0.005	-0.005	0.005	0.005	0.005	0.000	0.01	0.01
Dissolved Chromium	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Copper	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01
Dissolved Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Dissolved Lead	mg/L	-0.001	-0.001	-0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Manganese	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/20/2009	5/4/2009	5/18/2009	6/1/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Dissolved Mercury	mg/L	-0.001	-0.001	-0.001	-0.001	0.00100	0.00100	0.00100	0.00000	0.00	0.00
Dissolved Molybdenum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Nickel	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Selenium	mg/L	-0.001	-0.001	-0.001	-0.001	0.00	0.00	0.00	0.00	0.00	0.00
Dissolved Uranium	mg/L	0.018	0.020	0.020	0.021	0.02	0.02	0.02	0.00	0.02	0.02
Dissolved Vanadium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Zinc	mg/L	-0.01	0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01
Total Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Total Manganese	mg/L	-0.01	-0.01	-0.02	-0.01	0.01	0.01	0.02	0.01	ND	0.03
Gross Alpha	pCi/L	47.1	57.2	53.6	42.6	42.60	50.13	57.20	6.53	30.54	69.71
Gross Beta	pCi/L	24.3	34.1	24	21	21.00	25.85	34.10	5.70	8.76	42.94
Dissolved Ra-226	pCi/L	12	12	10	12	10.00	11.50	12.00	1.00	8.50	14.50
Dissolved Ra-228	pCi/L	3.6	2.9	3.7	5	2.90	3.80	5.00	0.88	1.17	6.43
Dissolved Ra-226+Ra-228	pCi/L	15.6	14.9	13.7	17	13.70	15.30	17.00	1.38	11.16	19.44

¹ Less than values are denoted by a minus sign in front of the detection limit.

² When the mean minus three standard deviations is a negative value, ND is written for "not detected".

- Parameter value exceeds WDEQ-WQD Domestic Class-of-Use (Class I).**
- Parameter value exceeds WDEQ-WQD Agriculture Class-of-Use (Class II).**
- Parameter value exceeds WDEQ-WQD Livestock Class-of-Use (Class III).**
- Parameter value exceeds EPA MCL criterion.**

Well M-110

Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/20/2009	5/4/2009	5/18/2009	6/1/2009	Minimum	Mean	Maximum	Standard Deviation	Mean \pm 3 Standard Deviations ²	
Total Alkalinity as CaCO ₃	mg/L	110	110	108	109	108.00	109.25	110.00	0.96	106.38	112.12
CO ₃	mg/L	-1	-1	-1	-1	1.00	1.00	1.00	0.00	1.00	1.00
HCO ₃	mg/L	134	134	132	133	132.00	133.25	134.00	0.96	130.38	136.12
Dissolved Calcium	mg/L	72	74	70	72	70.00	72.00	74.00	1.63	67.10	76.90
Total Chloride	mg/L	5	5	5	5	5.00	5.00	5.00	0.00	5.00	5.00
Dissolved Fluoride	mg/L	0.2	0.2	0.2	0.2	0.20	0.20	0.20	0.00	0.20	0.20
Dissolved Magnesium	mg/L	3	3	3	3	3.00	3.00	3.00	0.00	3.00	3.00
Total NH ₃ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved NO ₃ +NO ₂ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Potassium	mg/L	2	2	2	2	2.00	2.00	2.00	0.00	2.00	2.00
Dissolved SiO ₂	mg/L	11.9	16.2	14.1	13	11.90	13.80	16.20	1.83	8.30	19.30
Dissolved Sodium	mg/L	30	29	30	29	29.00	29.50	30.00	0.58	27.77	31.23
Total SO ₄	mg/L	149	148	149	151	148.00	149.25	151.00	1.26	145.48	153.02
Specific Conductance at 25 °C	µmhos/cm	539	534	506	518	506.00	524.25	539.00	15.11	478.93	569.57
Laboratory pH	SU	7.94	7.73	7.95	7.82	7.73	7.86	7.95	0.10	7.55	8.17
TDS Dried at 180 °C	mg/L	356	368	317	371	317.00	353.00	371.00	24.86	278.42	427.58
Dissolved Aluminum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Arsenic	mg/L	-0.001	0.001	-0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Barium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Boron	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Cadmium	mg/L	-0.005	-0.005	-0.005	-0.005	0.005	0.005	0.005	0.000	0.01	0.01
Dissolved Chromium	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Copper	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01
Dissolved Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Dissolved Lead	mg/L	-0.001	-0.001	-0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Manganese	mg/L	-0.01	0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/20/2009	5/4/2009	5/18/2009	6/1/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Dissolved Mercury	mg/L	-0.001	-0.001	-0.001	-0.001	0.00100	0.00100	0.00100	0.00000	0.00	0.00
Dissolved Molybdenum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Nickel	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Selenium	mg/L	-0.001	-0.001	-0.001	-0.001	0.00	0.00	0.00	0.00	0.00	0.00
Dissolved Uranium	mg/L	0.168	0.166	0.142	0.136	0.14	0.15	0.17	0.02	0.10	0.20
Dissolved Vanadium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Zinc	mg/L	-0.01	0.02	-0.01	-0.01	0.01	0.01	0.02	0.01	ND	0.03
Total Iron	mg/L	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.00	0.06	0.06
Total Manganese	mg/L	-0.02	-0.01	-0.02	-0.01	0.01	0.02	0.02	0.01	ND	0.03
Gross Alpha	pCi/L	220	228	184	187	184.00	204.75	228.00	22.50	137.25	272.25
Gross Beta	pCi/L	71.9	88.1	77.1	69.9	69.90	76.75	88.10	8.15	52.29	101.21
Dissolved Ra-226	pCi/L	41	42	33	41	33.00	39.25	42.00	4.19	26.67	51.83
Dissolved Ra-228	pCi/L	4.8	3	4.7	4.5	3.00	4.25	4.80	0.84	1.72	6.78
Dissolved Ra-226+Ra-228	pCi/L	45.8	45	37.7	45.5	37.70	43.50	45.80	3.88	31.86	55.14

¹ Less than values are denoted by a minus sign in front of the detection limit.

² When the mean minus three standard deviations is a negative value, ND is written for "not detected".

Parameter value exceeds WDEQ-WQD Domestic Class-of-Use (Class I).

Parameter value exceeds WDEQ-WQD Agriculture Class-of-Use (Class II).

Parameter value exceeds WDEQ-WQD Livestock Class-of-Use (Class III).

Parameter value exceeds EPA MCL criterion.

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/20/2009	5/4/2009	5/18/2009	6/1/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Total Alkalinity as CaCO ₃	mg/L	115	113	113	113	113.00	113.50	115.00	1.00	110.50	116.50
CO ₃	mg/L	-1	-1	-1	-1	1.00	1.00	1.00	0.00	1.00	1.00
HCO ₃	mg/L	141	137	137	138	137.00	138.25	141.00	1.89	132.57	143.93
Dissolved Calcium	mg/L	75	74	70	71	70.00	72.50	75.00	2.38	65.36	79.64
Total Chloride	mg/L	5	5	5	5	5.00	5.00	5.00	0.00	5.00	5.00
Dissolved Fluoride	mg/L	0.2	0.2	0.2	0.1	0.10	0.18	0.20	0.05	0.02	0.33
Dissolved Magnesium	mg/L	3	3	3	3	3.00	3.00	3.00	0.00	3.00	3.00
Total NH ₃ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved NO ₃ +NO ₂ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Potassium	mg/L	3	3	3	3	3.00	3.00	3.00	0.00	3.00	3.00
Dissolved SiO ₂	mg/L	12.7	16.9	15.6	13.9	12.70	14.78	16.90	1.85	9.22	20.33
Dissolved Sodium	mg/L	29	28	29	31	28.00	29.25	31.00	1.26	25.48	33.02
Total SO ₄	mg/L	152	150	155	153	150.00	152.50	155.00	2.08	146.26	158.74
Specific Conductance at 25 °C	µmhos/cm	557	547	517	530	517.00	537.75	557.00	17.76	484.46	591.04
Laboratory pH	SU	7.96	7.9	8.01	7.98	7.90	7.96	8.01	0.05	7.82	8.10
TDS Dried at 180 °C	mg/L	371	377	320	378	320.00	361.50	378.00	27.84	277.98	445.02
Dissolved Aluminum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Arsenic	mg/L	-0.001	0.001	-0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Barium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Boron	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Cadmium	mg/L	-0.005	-0.005	-0.005	-0.005	0.005	0.005	0.005	0.000	0.01	0.01
Dissolved Chromium	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Copper	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01
Dissolved Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Dissolved Lead	mg/L	-0.001	-0.001	-0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Manganese	mg/L	-0.01	0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/20/2009	5/4/2009	5/18/2009	6/1/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Dissolved Mercury	mg/L	-0.001	-0.001	-0.001	-0.001	0.00100	0.00100	0.00100	0.00000	0.00	0.00
Dissolved Molybdenum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Nickel	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Selenium	mg/L	-0.001	-0.001	-0.001	-0.001	0.00	0.00	0.00	0.00	0.00	0.00
Dissolved Uranium	mg/L	0.027	0.027	0.024	0.025	0.02	0.03	0.03	0.00	0.02	0.03
Dissolved Vanadium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Zinc	mg/L	0.03	-0.01	-0.01	-0.01	0.01	0.02	0.03	0.01	ND	0.05
Total Iron	mg/L	0.06	0.04	0.04	0.04	0.04	0.05	0.06	0.01	0.02	0.07
Total Manganese	mg/L	-0.02	-0.01	0.01	-0.01	0.01	0.01	0.02	0.01	ND	0.03
Gross Alpha	pCi/L	48.4	49.9	44.9	34.9	34.90	44.53	49.90	6.75	24.27	64.78
Gross Beta	pCi/L	19.9	21	19.9	19.1	19.10	19.98	21.00	0.78	17.63	22.32
Dissolved Ra-226	pCi/L	4.5	4.7	4.5	5.1	4.50	4.70	5.10	0.28	3.85	5.55
Dissolved Ra-228	pCi/L	5.3	4.8	4.8	5.1	4.80	5.00	5.30	0.24	4.27	5.73
Dissolved Ra-226+Ra-228	pCi/L	9.8	9.5	9.3	10.2	9.30	9.70	10.20	0.39	8.53	10.87

¹ Less than values are denoted by a minus sign in front of the detection limit.

² When the mean minus three standard deviations is a negative value, ND is written for "not detected".

- Parameter value exceeds WDEQ-WQD Domestic Class-of-Use (Class I).**
- Parameter value exceeds WDEQ-WQD Agriculture Class-of-Use (Class II).**
- Parameter value exceeds WDEQ-WQD Livestock Class-of-Use (Class III).**
- Parameter value exceeds EPA MCL criterion.**

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/20/2009	5/4/2009	5/18/2009	6/1/2009	Minimum	Mean	Maximum	Standard Deviation	Mean \pm 3 Standard Deviations ²	
Total Alkalinity as CaCO ₃	mg/L	113	113	113	115	113.00	113.50	115.00	1.00	110.50	116.50
CO ₃	mg/L	-1	-1	-1	-1	1.00	1.00	1.00	0.00	1.00	1.00
HCO ₃	mg/L	138	138	138	140	138.00	138.50	140.00	1.00	135.50	141.50
Dissolved Calcium	mg/L	73	75	74	75	73.00	74.25	75.00	0.96	71.38	77.12
Total Chloride	mg/L	6	5	5	5	5.00	5.25	6.00	0.50	3.75	6.75
Dissolved Fluoride	mg/L	0.2	0.2	0.2	0.1	0.10	0.18	0.20	0.05	0.02	0.33
Dissolved Magnesium	mg/L	3	3	3	3	3.00	3.00	3.00	0.00	3.00	3.00
Total NH ₃ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved NO ₃ +NO ₂ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Potassium	mg/L	2	2	2	2	2.00	2.00	2.00	0.00	2.00	2.00
Dissolved SiO ₂	mg/L	12.2	16.3	13.7	13.9	12.20	14.03	16.30	1.70	8.94	19.11
Dissolved Sodium	mg/L	29	27	28	27	27.00	27.75	29.00	0.96	24.88	30.62
Total SO ₄	mg/L	147	149	150	150	147.00	149.00	150.00	1.41	144.76	153.24
Specific Conductance at 25 °C	µmhos/cm	545	544	515	530	515.00	533.50	545.00	14.11	491.18	575.82
Laboratory pH	SU	8.1	8.05	8.02	7.94	7.94	8.03	8.10	0.07	7.83	8.23
TDS Dried at 180 °C	mg/L	356	376	322	373	322.00	356.75	376.00	24.78	282.40	431.10
Dissolved Aluminum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Arsenic	mg/L	-0.001	-0.001	-0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Barium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Boron	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Cadmium	mg/L	-0.005	-0.005	-0.005	-0.005	0.005	0.005	0.005	0.000	0.01	0.01
Dissolved Chromium	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Copper	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01
Dissolved Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Dissolved Lead	mg/L	-0.001	-0.001	-0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Manganese	mg/L	-0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.01	0.01

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/20/2009	5/4/2009	5/18/2009	6/1/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Dissolved Mercury	mg/L	-0.001	-0.001	-0.001	-0.001	0.00100	0.00100	0.00100	0.00000	0.00	0.00
Dissolved Molybdenum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Nickel	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Selenium	mg/L	-0.001	-0.001	-0.001	-0.001	0.00	0.00	0.00	0.00	0.00	0.00
Dissolved Uranium	mg/L	0.024	0.025	0.023	0.023	0.02	0.02	0.02	0.00	0.02	0.03
Dissolved Vanadium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Zinc	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01
Total Iron	mg/L	0.05	0.04	0.04	0.05	0.04	0.05	0.05	0.01	0.03	0.06
Total Manganese	mg/L	-0.02	-0.01	-0.02	-0.01	0.01	0.02	0.02	0.01	ND	0.03
Gross Alpha	pCi/L	41.4	50	32.4	34.7	32.40	39.63	50.00	7.90	15.92	63.33
Gross Beta	pCi/L	20	27.4	17.1	13.9	13.90	19.60	27.40	5.77	2.30	36.90
Dissolved Ra-226	pCi/L	4.3	5	4.1	4.5	4.10	4.48	5.00	0.39	3.32	5.63
Dissolved Ra-228	pCi/L	5.8	5.1	5.8	5.7	5.10	5.60	5.80	0.34	4.59	6.61
Dissolved Ra-226+Ra-228	pCi/L	10.1	10.1	9.9	10.2	9.90	10.08	10.20	0.13	9.70	10.45

¹ Less than values are denoted by a minus sign in front of the detection limit.

² When the mean minus three standard deviations is a negative value, ND is written for "not detected".

- Parameter value exceeds WDEQ-WQD Domestic Class-of-Use (Class I).**
- Parameter value exceeds WDEQ-WQD Agriculture Class-of-Use (Class II).**
- Parameter value exceeds WDEQ-WQD Livestock Class-of-Use (Class III).**
- Parameter value exceeds EPA MCL criterion.**

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/20/2009	5/4/2009	5/18/2009	6/1/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Total Alkalinity as CaCO ₃	mg/L	95	97	98	99	95.00	97.25	99.00	1.71	92.13	102.37
CO ₃	mg/L	-1	-1	-1	-1	1.00	1.00	1.00	0.00	1.00	1.00
HCO ₃	mg/L	116	119	119	121	116.00	118.75	121.00	2.06	112.57	124.93
Dissolved Calcium	mg/L	53	56	56	56	53.00	55.25	56.00	1.50	50.75	59.75
Total Chloride	mg/L	5	5	5	5	5.00	5.00	5.00	0.00	5.00	5.00
Dissolved Fluoride	mg/L	0.2	0.2	0.2	0.2	0.20	0.20	0.20	0.00	0.20	0.20
Dissolved Magnesium	mg/L	2	2	2	2	2.00	2.00	2.00	0.00	2.00	2.00
Total NH ₃ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved NO ₃ +NO ₂ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Potassium	mg/L	5	4	4	4	4.00	4.25	5.00	0.50	2.75	5.75
Dissolved SiO ₂	mg/L	11.2	15.5	14.3	12.9	11.20	13.48	15.50	1.85	7.92	19.03
Dissolved Sodium	mg/L	33	31	34	31	31.00	32.25	34.00	1.50	27.75	36.75
Total SO ₄	mg/L	125	125	124	126	124.00	125.00	126.00	0.82	122.55	127.45
Specific Conductance at 25 °C	µmhos/cm	469	467	448	466	448.00	462.50	469.00	9.75	433.26	491.74
Laboratory pH	SU	7.98	8.1	8.07	8.03	7.98	8.05	8.10	0.05	7.89	8.20
TDS Dried at 180 °C	mg/L	306	321	300	315	300.00	310.50	321.00	9.33	282.52	338.48
Dissolved Aluminum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Arsenic	mg/L	-0.001	-0.001	-0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Barium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Boron	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Cadmium	mg/L	-0.005	-0.005	-0.005	-0.005	0.005	0.005	0.005	0.000	0.01	0.01
Dissolved Chromium	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Copper	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01
Dissolved Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Dissolved Lead	mg/L	-0.001	-0.001	-0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Manganese	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/20/2009	5/4/2009	5/18/2009	6/1/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Dissolved Mercury	mg/L	-0.001	-0.001	-0.001	-0.001	0.00100	0.00100	0.00100	0.00000	0.00	0.00
Dissolved Molybdenum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Nickel	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Selenium	mg/L	-0.001	-0.001	-0.001	-0.001	0.00	0.00	0.00	0.00	0.00	0.00
Dissolved Uranium	mg/L	0.021	0.018	0.017	0.015	0.02	0.02	0.02	0.00	0.01	0.02
Dissolved Vanadium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Zinc	mg/L	0.01	-0.01	0.02	-0.01	0.01	0.01	0.02	0.01	ND	0.03
Total Iron	mg/L	0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Total Manganese	mg/L	-0.02	-0.01	-0.02	-0.01	0.01	0.02	0.02	0.01	ND	0.03
Gross Alpha	pCi/L	54.8	76	42	36.3	36.30	52.28	76.00	17.61	ND	105.10
Gross Beta	pCi/L	21.4	52.8	17.1	16.4	16.40	26.93	52.80	17.39	ND	79.10
Dissolved Ra-226	pCi/L	14	11	7	9.6	7.00	10.40	14.00	2.92	1.65	19.15
Dissolved Ra-228	pCi/L	4.6	3.8	2.6	4.3	2.60	3.83	4.60	0.88	1.18	6.47
Dissolved Ra-226+Ra-228	pCi/L	18.6	14.8	9.6	13.9	9.60	14.23	18.60	3.70	3.14	25.31

¹ Less than values are denoted by a minus sign in front of the detection limit.

² When the mean minus three standard deviations is a negative value, ND is written for "not detected".

- Parameter value exceeds WDEQ-WQD Domestic Class-of-Use (Class I).**
- Parameter value exceeds WDEQ-WQD Agriculture Class-of-Use (Class II).**
- Parameter value exceeds WDEQ-WQD Livestock Class-of-Use (Class III).**
- Parameter value exceeds EPA MCL criterion.**

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/20/2009	5/4/2009	5/18/2009	6/1/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Total Alkalinity as CaCO ₃	mg/L	79	99	105	106	79.00	97.25	106.00	12.55	59.59	134.91
CO ₃	mg/L	8	10	9	5	5.00	8.00	10.00	2.16	1.52	14.48
HCO ₃	mg/L	80	100	110	119	80.00	102.25	119.00	16.74	52.03	152.47
Dissolved Calcium	mg/L	51	59	60	57	51.00	56.75	60.00	4.03	44.66	68.84
Total Chloride	mg/L	7	7	6	6	6.00	6.50	7.00	0.58	4.77	8.23
Dissolved Fluoride	mg/L	0.2	0.2	0.2	0.2	0.20	0.20	0.20	0.00	0.20	0.20
Dissolved Magnesium	mg/L	2	2	2	2	2.00	2.00	2.00	0.00	2.00	2.00
Total NH ₃ -N	mg/L	0.17	0.12	0.08	0.06	0.06	0.11	0.17	0.05	ND	0.25
Dissolved NO ₃ +NO ₂ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Potassium	mg/L	16	11	8	7	7.00	10.50	16.00	4.04	ND	22.62
Dissolved SiO ₂	mg/L	10.4	14.1	12.8	12	10.40	12.33	14.10	1.55	7.68	16.97
Dissolved Sodium	mg/L	39	36	38	37	36.00	37.50	39.00	1.29	33.63	41.37
Total SO ₄	mg/L	138	141	142	142	138.00	140.75	142.00	1.89	135.07	146.43
Specific Conductance at 25 °C	µmhos/cm	510	517	495	514	495.00	509.00	517.00	9.76	479.71	538.29
Laboratory pH	SU	9.14	9.15	8.88	8.77	8.77	8.99	9.15	0.19	8.41	9.56
TDS Dried at 180 °C	mg/L	334	354	325	340	325.00	338.25	354.00	12.18	301.72	374.78
Dissolved Aluminum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Arsenic	mg/L	0.001	0.001	-0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Barium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Boron	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Cadmium	mg/L	-0.005	-0.005	-0.005	-0.005	0.005	0.005	0.005	0.000	0.01	0.01
Dissolved Chromium	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Copper	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01
Dissolved Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Dissolved Lead	mg/L	-0.001	-0.001	-0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Manganese	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/20/2009	5/4/2009	5/18/2009	6/1/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Dissolved Mercury	mg/L	-0.001	-0.001	-0.001	-0.001	0.00100	0.00100	0.00100	0.00000	0.00	0.00
Dissolved Molybdenum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Nickel	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Selenium	mg/L	-0.001	-0.001	-0.001	-0.001	0.00	0.00	0.00	0.00	0.00	0.00
Dissolved Uranium	mg/L	0.053	0.058	0.055	0.052	0.05	0.05	0.06	0.00	0.05	0.06
Dissolved Vanadium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Zinc	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01
Total Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Total Manganese	mg/L	-0.02	-0.01	-0.02	-0.01	0.01	0.02	0.02	0.01	ND	0.03
Gross Alpha	pCi/L	594	370	466	471	370.00	475.25	594.00	91.80	199.84	750.66
Gross Beta	pCi/L	234	162	171	187	162.00	188.50	234.00	32.05	92.36	284.64
Dissolved Ra-226	pCi/L	187	199	180	218	180.00	196.00	218.00	16.63	146.10	245.90
Dissolved Ra-228	pCi/L	4.5	4.2	7.6	5.3	4.20	5.40	7.60	1.54	0.78	10.02
Dissolved Ra-226+Ra-228	pCi/L	191.5	203.2	187.6	223.3	187.60	201.40	223.30	16.03	153.30	249.50

¹ Less than values are denoted by a minus sign in front of the detection limit.

² When the mean minus three standard deviations is a negative value, ND is written for "not detected".

- Parameter value exceeds WDEQ-WQD Domestic Class-of-Use (Class I).**
- Parameter value exceeds WDEQ-WQD Agriculture Class-of-Use (Class II).**
- Parameter value exceeds WDEQ-WQD Livestock Class-of-Use (Class III).**
- Parameter value exceeds EPA MCL criterion.**

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/20/2009	5/4/2009	5/18/2009	6/1/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Total Alkalinity as CaCO ₃	mg/L	87	86	90	102	86.00	91.25	102.00	7.37	69.15	113.35
CO ₃	mg/L	7	4	5	8	4.00	6.00	8.00	1.83	0.52	11.48
HCO ₃	mg/L	93	97	101	108	93.00	99.75	108.00	6.40	80.56	118.94
Dissolved Calcium	mg/L	54	54	55	60	54.00	55.75	60.00	2.87	47.13	64.37
Total Chloride	mg/L	5	6	5	5	5.00	5.25	6.00	0.50	3.75	6.75
Dissolved Fluoride	mg/L	0.2	0.2	0.2	0.2	0.20	0.20	0.20	0.00	0.20	0.20
Dissolved Magnesium	mg/L	2	2	2	2	2.00	2.00	2.00	0.00	2.00	2.00
Total NH ₃ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved NO ₃ +NO ₂ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Potassium	mg/L	5	4	4	4	4.00	4.25	5.00	0.50	2.75	5.75
Dissolved SiO ₂	mg/L	11.2	14.9	12.7	12.9	11.20	12.93	14.90	1.52	8.37	17.48
Dissolved Sodium	mg/L	35	35	34	38	34.00	35.50	38.00	1.73	30.30	40.70
Total SO ₄	mg/L	131	136	132	132	131.00	132.75	136.00	2.22	126.10	139.40
Specific Conductance at 25 °C	µmhos/cm	483	484	457	485	457.00	477.25	485.00	13.52	436.68	517.82
Laboratory pH	SU	8.92	9.09	8.96	8.88	8.88	8.96	9.09	0.09	8.69	9.24
TDS Dried at 180 °C	mg/L	326	319	298	322	298.00	316.25	326.00	12.50	278.75	353.75
Dissolved Aluminum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Arsenic	mg/L	0.006	0.006	0.005	0.004	0.004	0.005	0.006	0.001	0.00	0.01
Dissolved Barium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Boron	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Cadmium	mg/L	-0.005	-0.005	-0.005	-0.005	0.005	0.005	0.005	0.000	0.01	0.01
Dissolved Chromium	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Copper	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01
Dissolved Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Dissolved Lead	mg/L	-0.001	-0.001	-0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Manganese	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/20/2009	5/4/2009	5/18/2009	6/1/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Dissolved Mercury	mg/L	-0.001	-0.001	-0.001	-0.001	0.00100	0.00100	0.00100	0.00000	0.00	0.00
Dissolved Molybdenum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Nickel	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Selenium	mg/L	0.001	-0.001	0.001	-0.001	0.00	0.00	0.00	0.00	0.00	0.00
Dissolved Uranium	mg/L	0.109	0.116	0.111	0.118	0.11	0.11	0.12	0.00	0.10	0.13
Dissolved Vanadium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Zinc	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01
Total Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Total Manganese	mg/L	-0.01	-0.01	-0.02	-0.01	0.01	0.01	0.02	0.01	ND	0.03
Gross Alpha	pCi/L	140	145	121	138	121.00	136.00	145.00	10.42	104.73	167.27
Gross Beta	pCi/L	57.5	58.5	46.3	46.4	46.30	52.18	58.50	6.74	31.96	72.39
Dissolved Ra-226	pCi/L	3.3	3	2.1	3.6	2.10	3.00	3.60	0.65	1.06	4.94
Dissolved Ra-228	pCi/L	1.6	1.4	1.1	1.7	1.10	1.45	1.70	0.26	0.66	2.24
Dissolved Ra-226+Ra-228	pCi/L	4.9	4.4	3.2	5.3	3.20	4.45	5.30	0.91	1.72	7.18

¹ Less than values are denoted by a minus sign in front of the detection limit.

² When the mean minus three standard deviations is a negative value, ND is written for "not detected".

- Parameter value exceeds WDEQ-WQD Domestic Class-of-Use (Class I).**
- Parameter value exceeds WDEQ-WQD Agriculture Class-of-Use (Class II).**
- Parameter value exceeds WDEQ-WQD Livestock Class-of-Use (Class III).**
- Parameter value exceeds EPA MCL criterion.**

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/20/2009	5/4/2009	5/18/2009	6/1/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Total Alkalinity as CaCO ₃	mg/L	100	102	104	108	100.00	103.50	108.00	3.42	93.25	113.75
CO ₃	mg/L	7	6	5	5	5.00	5.75	7.00	0.96	2.88	8.62
HCO ₃	mg/L	107	111	116	122	107.00	114.00	122.00	6.48	94.56	133.44
Dissolved Calcium	mg/L	53	58	52	54	52.00	54.25	58.00	2.63	46.36	62.14
Total Chloride	mg/L	6	5	5	5	5.00	5.25	6.00	0.50	3.75	6.75
Dissolved Fluoride	mg/L	0.2	0.2	0.2	0.2	0.20	0.20	0.20	0.00	0.20	0.20
Dissolved Magnesium	mg/L	1	2	2	2	1.00	1.75	2.00	0.50	0.25	3.25
Total NH ₃ -N	mg/L	0.1	0.06	-0.05	-0.05	0.05	0.07	0.10	0.02	ND	0.14
Dissolved NO ₃ +NO ₂ -N	mg/L	0.16	0.16	0.15	0.16	0.15	0.16	0.16	0.01	0.14	0.17
Dissolved Potassium	mg/L	4	4	3	3	3.00	3.50	4.00	0.58	1.77	5.23
Dissolved SiO ₂	mg/L	11.7	14.8	12.6	12.8	11.70	12.98	14.80	1.31	9.05	16.90
Dissolved Sodium	mg/L	31	30	31	33	30.00	31.25	33.00	1.26	27.48	35.02
Total SO ₄	mg/L	113	116	120	119	113.00	117.00	120.00	3.16	107.51	126.49
Specific Conductance at 25 °C	µmhos/cm	463	461	445	468	445.00	459.25	468.00	9.95	429.41	489.09
Laboratory pH	SU	8.75	8.85	8.7	8.54	8.54	8.71	8.85	0.13	8.32	9.10
TDS Dried at 180 °C	mg/L	293	310	312	304	293.00	304.75	312.00	8.54	279.13	330.37
Dissolved Aluminum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Arsenic	mg/L	0.006	0.005	0.003	0.003	0.003	0.004	0.006	0.002	ND	0.01
Dissolved Barium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Boron	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Cadmium	mg/L	-0.005	-0.005	-0.005	-0.005	0.005	0.005	0.005	0.000	0.01	0.01
Dissolved Chromium	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Copper	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01
Dissolved Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Dissolved Lead	mg/L	-0.001	-0.001	-0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Manganese	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/20/2009	5/4/2009	5/18/2009	6/1/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Dissolved Mercury	mg/L	-0.001	-0.001	-0.001	-0.001	0.00100	0.00100	0.00100	0.00000	0.00	0.00
Dissolved Molybdenum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Nickel	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Selenium	mg/L	0.008	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.01	0.01
Dissolved Uranium	mg/L	0.169	0.197	0.180	0.187	0.17	0.18	0.20	0.01	0.15	0.22
Dissolved Vanadium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Zinc	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01
Total Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Total Manganese	mg/L	-0.02	-0.01	-0.02	-0.01	0.01	0.02	0.02	0.01	ND	0.03
Gross Alpha	pCi/L	190	202	226	174	174.00	198.00	226.00	21.91	132.27	263.73
Gross Beta	pCi/L	63.4	71.5	59.4	48.4	48.40	60.68	71.50	9.61	31.85	89.50
Dissolved Ra-226	pCi/L	0.81	0.71	0.62	1.1	0.62	0.81	1.10	0.21	0.19	1.43
Dissolved Ra-228	pCi/L	0.8	0.8	2	1.8	0.80	1.35	2.00	0.64	ND	3.27
Dissolved Ra-226+Ra-228	pCi/L	1.61	1.51	2.62	2.9	1.51	2.16	2.90	0.70	0.05	4.27

¹ Less than values are denoted by a minus sign in front of the detection limit.

² When the mean minus three standard deviations is a negative value, ND is written for "not detected".

- Parameter value exceeds WDEQ-WQD Domestic Class-of-Use (Class I).**
- Parameter value exceeds WDEQ-WQD Agriculture Class-of-Use (Class II).**
- Parameter value exceeds WDEQ-WQD Livestock Class-of-Use (Class III).**
- Parameter value exceeds EPA MCL criterion.**

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/20/2009	5/4/2009	5/18/2009	6/1/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Total Alkalinity as CaCO ₃	mg/L	104	107	108	108	104.00	106.75	108.00	1.89	101.07	112.43
CO ₃	mg/L	-1	-1	-1	-1	1.00	1.00	1.00	0.00	1.00	1.00
HCO ₃	mg/L	127	131	132	132	127.00	130.50	132.00	2.38	123.36	137.64
Dissolved Calcium	mg/L	57	59	54	57	54.00	56.75	59.00	2.06	50.57	62.93
Total Chloride	mg/L	5	5	5	5	5.00	5.00	5.00	0.00	5.00	5.00
Dissolved Fluoride	mg/L	0.2	0.2	0.2	0.2	0.20	0.20	0.20	0.00	0.20	0.20
Dissolved Magnesium	mg/L	3	3	3	3	3.00	3.00	3.00	0.00	3.00	3.00
Total NH ₃ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved NO ₃ +NO ₂ -N	mg/L	0.1	0.1	0.09	0.1	0.09	0.10	0.10	0.01	0.08	0.11
Dissolved Potassium	mg/L	4	3	3	3	3.00	3.25	4.00	0.50	1.75	4.75
Dissolved SiO ₂	mg/L	16.2	16	13.3	13.2	13.20	14.68	16.20	1.65	9.73	19.62
Dissolved Sodium	mg/L	32	32	33	33	32.00	32.50	33.00	0.58	30.77	34.23
Total SO ₄	mg/L	120	125	120	121	120.00	121.50	125.00	2.38	114.36	128.64
Specific Conductance at 25 °C	µmhos/cm	472	476	455	473	455.00	469.00	476.00	9.49	440.54	497.46
Laboratory pH	SU	7.83	8.16	8.12	8.08	7.83	8.05	8.16	0.15	7.60	8.49
TDS Dried at 180 °C	mg/L	300	316	307	309	300.00	308.00	316.00	6.58	288.25	327.75
Dissolved Aluminum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Arsenic	mg/L	0.003	0.003	0.002	0.002	0.002	0.003	0.003	0.001	0.00	0.00
Dissolved Barium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Boron	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Cadmium	mg/L	-0.005	-0.005	-0.005	-0.005	0.005	0.005	0.005	0.000	0.01	0.01
Dissolved Chromium	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Copper	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01
Dissolved Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Dissolved Lead	mg/L	-0.001	-0.001	-0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Manganese	mg/L	0.06	0.06	0.06	0.07	0.06	0.06	0.07	0.01	0.05	0.08
Dissolved Mercury	mg/L	-0.001	-0.001	-0.001	-0.001	0.00100	0.00100	0.00100	0.00000	0.00	0.00

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/20/2009	5/4/2009	5/18/2009	6/1/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Dissolved Molybdenum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Nickel	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Selenium	mg/L	0.011	0.011	0.011	0.012	0.01	0.01	0.01	0.00	0.01	0.01
Dissolved Uranium	mg/L	0.178	0.191	0.175	0.178	0.18	0.18	0.19	0.01	0.16	0.20
Dissolved Vanadium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Zinc	mg/L	-0.03	-0.01	-0.01	0.05	0.01	0.03	0.05	0.02	ND	0.08
Total Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Total Manganese	mg/L	0.05	0.06	0.06	0.06	0.05	0.06	0.06	0.01	0.04	0.07
Gross Alpha	pCi/L	166	198	207	192	166.00	190.75	207.00	17.61	137.91	243.59
Gross Beta	pCi/L	49.2	66.6	59.1	60	49.20	58.73	66.60	7.18	37.20	80.25
Dissolved Ra-226	pCi/L	1	1.4	0.81	1.4	0.81	1.15	1.40	0.30	0.26	2.04
Dissolved Ra-228	pCi/L	1.4	0.8	1.1	1.4	0.80	1.18	1.40	0.29	0.31	2.04
Dissolved Ra-226+Ra-228	pCi/L	2.4	2.2	1.91	2.8	1.91	2.33	2.80	0.37	1.21	3.45

¹ Less than values are denoted by a minus sign in front of the detection limit.

² When the mean minus three standard deviations is a negative value, ND is written for "not detected".

Parameter value exceeds WDEQ-WQD Domestic Class-of-Use (Class I).

Parameter value exceeds WDEQ-WQD Agriculture Class-of-Use (Class II).

Parameter value exceeds WDEQ-WQD Livestock Class-of-Use (Class III).

Parameter value exceeds EPA MCL criterion.

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/20/2009	5/4/2009	5/18/2009	6/1/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Total Alkalinity as CaCO ₃	mg/L	103	105	104	105	103.00	104.25	105.00	0.96	101.38	107.12
CO ₃	mg/L	-1	-1	-1	-1	1.00	1.00	1.00	0.00	1.00	1.00
HCO ₃	mg/L	126	128	127	128	126.00	127.25	128.00	0.96	124.38	130.12
Dissolved Calcium	mg/L	58	62	61	62	58.00	60.75	62.00	1.89	55.07	66.43
Total Chloride	mg/L	5	4	4	5	4.00	4.50	5.00	0.58	2.77	6.23
Dissolved Fluoride	mg/L	0.2	0.2	0.2	0.2	0.20	0.20	0.20	0.00	0.20	0.20
Dissolved Magnesium	mg/L	3	3	3	3	3.00	3.00	3.00	0.00	3.00	3.00
Total NH ₃ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved NO ₃ +NO ₂ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Potassium	mg/L	3	3	2	2	2.00	2.50	3.00	0.58	0.77	4.23
Dissolved SiO ₂	mg/L	12.2	15.7	14.2	13	12.20	13.78	15.70	1.52	9.20	18.35
Dissolved Sodium	mg/L	39	36	38	37	36.00	37.50	39.00	1.29	33.63	41.37
Total SO ₄	mg/L	147	147	147	150	147.00	147.75	150.00	1.50	143.25	152.25
Specific Conductance at 25 °C	µmhos/cm	518	529	502	520	502.00	517.25	529.00	11.24	483.54	550.96
Laboratory pH	SU	7.88	7.95	8.03	7.79	7.79	7.91	8.03	0.10	7.61	8.22
TDS Dried at 180 °C	mg/L	340	347	350	353	340.00	347.50	353.00	5.57	330.80	364.20
Dissolved Aluminum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Arsenic	mg/L	0.002	0.002	0.001	0.001	0.001	0.002	0.002	0.001	ND	0.00
Dissolved Barium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Boron	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Cadmium	mg/L	-0.005	-0.005	-0.005	-0.005	0.005	0.005	0.005	0.000	0.01	0.01
Dissolved Chromium	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Copper	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01
Dissolved Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Dissolved Lead	mg/L	-0.001	-0.001	-0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Manganese	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/20/2009	5/4/2009	5/18/2009	6/1/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Dissolved Mercury	mg/L	-0.001	-0.001	-0.001	-0.001	0.00100	0.00100	0.00100	0.00000	0.00	0.00
Dissolved Molybdenum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Nickel	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Selenium	mg/L	0.003	0.002	0.002	0.002	0.00	0.00	0.00	0.00	0.00	0.00
Dissolved Uranium	mg/L	0.181	0.201	0.185	0.192	0.18	0.19	0.20	0.01	0.16	0.22
Dissolved Vanadium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Zinc	mg/L	-0.01	-0.01	-0.01	0.05	0.01	0.02	0.05	0.02	ND	0.08
Total Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Total Manganese	mg/L	-0.01	-0.01	-0.02	-0.01	0.01	0.01	0.02	0.01	ND	0.03
Gross Alpha	pCi/L	272	245	301	257	245.00	268.75	301.00	24.17	196.24	341.26
Gross Beta	pCi/L	87.6	88.7	82.7	81.2	81.20	85.05	88.70	3.66	74.07	96.03
Dissolved Ra-226	pCi/L	28	28	19	30	19.00	26.25	30.00	4.92	11.48	41.02
Dissolved Ra-228	pCi/L	2.2	1.9	1.4	3	1.40	2.13	3.00	0.67	0.11	4.14
Dissolved Ra-226+Ra-228	pCi/L	30.2	29.9	20.4	33	20.40	28.38	33.00	5.50	11.88	44.87

¹ Less than values are denoted by a minus sign in front of the detection limit.

² When the mean minus three standard deviations is a negative value, ND is written for "not detected".

Parameter value exceeds WDEQ-WQD Domestic Class-of-Use (Class I).

Parameter value exceeds WDEQ-WQD Agriculture Class-of-Use (Class II).

Parameter value exceeds WDEQ-WQD Livestock Class-of-Use (Class III).

Parameter value exceeds EPA MCL criterion.

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/21/2009	5/5/2009	5/19/2009	6/2/2009	Minimum	Mean	Maximum	Standard Deviation	Mean \pm 3 Standard Deviations ²	
Total Alkalinity as CaCO ₃	mg/L	114	114	114	113	113.00	113.75	114.00	0.50	112.25	115.25
CO ₃	mg/L	-1	-1	-1	-1	1.00	1.00	1.00	0.00	1.00	1.00
HCO ₃	mg/L	139	139	139	138	138.00	138.75	139.00	0.50	137.25	140.25
Dissolved Calcium	mg/L	60	57	58	59	57.00	58.50	60.00	1.29	54.63	62.37
Total Chloride	mg/L	5	5	4	5	4.00	4.75	5.00	0.50	3.25	6.25
Dissolved Fluoride	mg/L	0.2	0.1	0.1	0.1	0.10	0.13	0.20	0.05	ND	0.28
Dissolved Magnesium	mg/L	3	3	3	3	3.00	3.00	3.00	0.00	3.00	3.00
Total NH ₃ -N	mg/L	0.13	0.09	0.06	-0.05	0.05	0.08	0.13	0.04	ND	0.19
Dissolved NO ₃ +NO ₂ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Potassium	mg/L	3	3	3	3	3.00	3.00	3.00	0.00	3.00	3.00
Dissolved SiO ₂	mg/L	15.8	15.7	14.4	17.1	14.40	15.75	17.10	1.10	12.44	19.06
Dissolved Sodium	mg/L	37	35	35	35	35.00	35.50	37.00	1.00	32.50	38.50
Total SO ₄	mg/L	126	127	126	128	126.00	126.75	128.00	0.96	123.88	129.62
Specific Conductance at 25 °C	µmhos/cm	498	504	472	490	472.00	491.00	504.00	13.90	449.29	532.71
Laboratory pH	SU	8.05	8.22	8.06	7.89	7.89	8.06	8.22	0.13	7.65	8.46
TDS Dried at 180 °C	mg/L	329	325	331	338	325.00	330.75	338.00	5.44	314.43	347.07
Dissolved Aluminum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Arsenic	mg/L	0.004	0.005	0.004	0.004	0.004	0.004	0.005	0.001	0.00	0.01
Dissolved Barium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Boron	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Cadmium	mg/L	-0.005	-0.005	-0.005	-0.005	0.005	0.005	0.005	0.000	0.01	0.01
Dissolved Chromium	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Copper	mg/L	-0.02	-0.01	-0.01	-0.01	0.01	0.01	0.02	0.01	ND	0.03
Dissolved Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Dissolved Lead	mg/L	-0.001	-0.001	-0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Manganese	mg/L	0.03	0.04	0.04	0.05	0.03	0.04	0.05	0.01	0.02	0.06

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/21/2009	5/5/2009	5/19/2009	6/2/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Dissolved Mercury	mg/L	-0.001	-0.001	-0.001	-0.001	0.00100	0.00100	0.00100	0.00000	0.00	0.00
Dissolved Molybdenum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Nickel	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Selenium	mg/L	0.001	0.001	0.001	0.001	0.00	0.00	0.00	0.00	0.00	0.00
Dissolved Uranium	mg/L	0.075	0.086	0.077	0.084	0.08	0.08	0.09	0.01	0.07	0.10
Dissolved Vanadium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Zinc	mg/L	0.05	-0.01	0.05	-0.01	0.01	0.03	0.05	0.02	ND	0.10
Total Iron	mg/L	-0.03	-0.07	-0.03	-0.07	0.03	0.05	0.07	0.02	ND	0.12
Total Manganese	mg/L	0.03	0.04	0.04	0.05	0.03	0.04	0.05	0.01	0.02	0.06
Gross Alpha	pCi/L	95.1	106	122	84.3	84.30	101.85	122.00	16.09	53.58	150.12
Gross Beta	pCi/L	34.5	30.1	27.6	25.3	25.30	29.38	34.50	3.94	17.56	41.19
Dissolved Ra-226	pCi/L	1.3	1.4	1.1	1.4	1.10	1.30	1.40	0.14	0.88	1.72
Dissolved Ra-228	pCi/L	1.2	2.1	1.7	1.2	1.20	1.55	2.10	0.44	0.24	2.86
Dissolved Ra-226+Ra-228	pCi/L	2.5	3.5	2.8	2.6	2.50	2.85	3.50	0.45	1.50	4.20

¹ Less than values are denoted by a minus sign in front of the detection limit.

² When the mean minus three standard deviations is a negative value, ND is written for "not detected".

- Parameter value exceeds WDEQ-WQD Domestic Class-of-Use (Class I).**
- Parameter value exceeds WDEQ-WQD Agriculture Class-of-Use (Class II).**
- Parameter value exceeds WDEQ-WQD Livestock Class-of-Use (Class III).**
- Parameter value exceeds EPA MCL criterion.**

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		11/18/2009	12/1/2009	12/15/2009	1/14/2010	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Total Alkalinity as CaCO ₃	mg/L	107	110	119	113	107.00	112.25	119.00	5.12	96.88	127.62
CO ₃	mg/L	-5	-5	-5	-5	5.00	5.00	5.00	0.00	5.00	5.00
HCO ₃	mg/L	130	134	146	138	130.00	137.00	146.00	6.83	116.51	157.49
Dissolved Calcium	mg/L	58	57	57	64	57.00	59.00	64.00	3.37	48.90	69.10
Total Chloride	mg/L	6	6	6	6	6.00	6.00	6.00	0.00	6.00	6.00
Dissolved Fluoride	mg/L	0.1	0.1	0.1	0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Magnesium	mg/L	3	3	3	3	3.00	3.00	3.00	0.00	3.00	3.00
Total NH ₃ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved NO ₃ +NO ₂ -N	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Potassium	mg/L	2	2	2	2	2.00	2.00	2.00	0.00	2.00	2.00
Dissolved SiO ₂	mg/L	17.4	17.2	16.9	17.3	16.90	17.20	17.40	0.22	16.55	17.85
Dissolved Sodium	mg/L	31	32	33	34	31.00	32.50	34.00	1.29	28.63	36.37
Total SO ₄	mg/L	121	123	123	118	118.00	121.25	123.00	2.36	114.16	128.34
Specific Conductance at 25 °C	µmhos/cm	463	464	469	461	461.00	464.25	469.00	3.40	454.04	474.46
Laboratory pH	SU	7.98	7.94	7.97	7.88	7.88	7.94	7.98	0.05	7.81	8.08
TDS Dried at 180 °C	mg/L	294	304	295	266	266.00	289.75	304.00	16.46	240.37	339.13
Dissolved Aluminum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Arsenic	mg/L	-0.001	-0.001	-0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Barium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Boron	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Cadmium	mg/L	-0.005	-0.005	-0.005	-0.005	0.005	0.005	0.005	0.000	0.01	0.01
Dissolved Chromium	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Copper	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01
Dissolved Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Dissolved Lead	mg/L	-0.001	-0.001	-0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Manganese	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		11/18/2009	12/1/2009	12/15/2009	1/14/2010	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Dissolved Mercury	mg/L	-0.001	-0.001	-0.001	-0.001	0.00100	0.00100	0.00100	0.00000	0.00	0.00
Dissolved Molybdenum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Nickel	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Selenium	mg/L	0.003	0.003	0.003	0.003	0.00	0.00	0.00	0.00	0.00	0.00
Dissolved Uranium	mg/L	0.089	0.090	0.085	0.089	0.08	0.09	0.09	0.00	0.08	0.09
Dissolved Vanadium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Zinc	mg/L	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.01	0.00	0.01	0.01
Total Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Total Manganese	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01
Gross Alpha	pCi/L	116	83.6	85.4	102	83.60	96.75	116.00	15.27	50.93	142.57
Gross Beta	pCi/L	30.8	26.1	25	32.2	25.00	28.53	32.20	3.51	17.99	39.06
Dissolved Ra-226	pCi/L	1.5	1.5	1.2	1.1	1.10	1.33	1.50	0.21	0.71	1.94
Dissolved Ra-228	pCi/L	0.9	1.4	1.5	2.3	0.90	1.53	2.30	0.58	ND	3.26
Dissolved Ra-226+Ra-228	pCi/L	2.4	2.9	2.7	3.4	2.40	2.85	3.40	0.42	1.59	4.11

¹ Less than values are denoted by a minus sign in front of the detection limit.

² When the mean minus three standard deviations is a negative value, ND is written for "not detected".

Parameter value exceeds WDEQ-WQD Domestic Class-of-Use (Class I).

Parameter value exceeds WDEQ-WQD Agriculture Class-of-Use (Class II).

Parameter value exceeds WDEQ-WQD Livestock Class-of-Use (Class III).

Parameter value exceeds EPA MCL criterion.

Value is an outlier or calculation excludes outlier(s).

Outliers were identified based on the data from all M wells, not on a well-by-well basis. Outlier identification is explained in **Section 4.3**.

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/20/2009	5/4/2009	5/18/2009	6/1/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Total Alkalinity as CaCO ₃	mg/L	115	127	116	115	115.00	118.25	127.00	5.85	100.69	135.81
CO ₃	mg/L	-1	-1	-1	-1	1.00	1.00	1.00	0.00	1.00	1.00
HCO ₃	mg/L	140	155	141	141	140.00	144.25	155.00	7.18	122.70	165.80
Dissolved Calcium	mg/L	60	62	58	62	58.00	60.50	62.00	1.91	54.76	66.24
Total Chloride	mg/L	5	5	5	5	5.00	5.00	5.00	0.00	5.00	5.00
Dissolved Fluoride	mg/L	0.2	0.1	0.1	0.1	0.10	0.13	0.20	0.05	ND	0.28
Dissolved Magnesium	mg/L	3	3	3	3	3.00	3.00	3.00	0.00	3.00	3.00
Total NH ₃ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved NO ₃ +NO ₂ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Potassium	mg/L	4	3	3	3	3.00	3.25	4.00	0.50	1.75	4.75
Dissolved SiO ₂	mg/L	13.7	17.2	15.9	15.2	13.70	15.50	17.20	1.46	11.13	19.87
Dissolved Sodium	mg/L	35	33	33	38	33.00	34.75	38.00	2.36	27.66	41.84
Total SO ₄	mg/L	129	128	129	129	128.00	128.75	129.00	0.50	127.25	130.25
Specific Conductance at 25 °C	µmhos/cm	501	507	481	498	481.00	496.75	507.00	11.15	463.31	530.19
Laboratory pH	SU	7.9	8.11	7.88	8.05	7.88	7.99	8.11	0.11	7.65	8.32
TDS Dried at 180 °C	mg/L	326	335	325	346	325.00	333.00	346.00	9.76	303.71	362.29
Dissolved Aluminum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Arsenic	mg/L	0.004	0.004	0.003	0.003	0.003	0.004	0.004	0.001	0.00	0.01
Dissolved Barium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Boron	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Cadmium	mg/L	-0.005	-0.005	-0.005	-0.005	0.005	0.005	0.005	0.000	0.01	0.01
Dissolved Chromium	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Copper	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01
Dissolved Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Dissolved Lead	mg/L	-0.001	-0.001	-0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Manganese	mg/L	0.03	0.03	0.03	0.04	0.03	0.03	0.04	0.01	0.02	0.05

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/20/2009	5/4/2009	5/18/2009	6/1/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Dissolved Mercury	mg/L	-0.001	-0.001	-0.001	-0.001	0.00100	0.00100	0.00100	0.00000	0.00	0.00
Dissolved Molybdenum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Nickel	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Selenium	mg/L	-0.001	-0.001	-0.001	-0.001	0.00	0.00	0.00	0.00	0.00	0.00
Dissolved Uranium	mg/L	0.041	0.043	0.039	0.042	0.04	0.04	0.04	0.00	0.04	0.05
Dissolved Vanadium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Zinc	mg/L	0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01
Total Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Total Manganese	mg/L	0.04	0.04	0.04	0.03	0.03	0.04	0.04	0.01	0.02	0.05
Gross Alpha	pCi/L	54.6	58.7	71.5	53.5	53.50	59.58	71.50	8.26	34.80	84.35
Gross Beta	pCi/L	13.3	20.8	18.3	17	13.30	17.35	20.80	3.13	7.97	26.73
Dissolved Ra-226	pCi/L	0.86	0.96	1	1.4	0.86	1.06	1.40	0.24	0.34	1.77
Dissolved Ra-228	pCi/L	1.2	1.2	1	1.6	1.00	1.25	1.60	0.25	0.50	2.00
Dissolved Ra-226+Ra-228	pCi/L	2.06	2.16	2	3	2.00	2.31	3.00	0.47	0.90	3.71

¹ Less than values are denoted by a minus sign in front of the detection limit.

² When the mean minus three standard deviations is a negative value, ND is written for "not detected".

- Parameter value exceeds WDEQ-WQD Domestic Class-of-Use (Class I).**
- Parameter value exceeds WDEQ-WQD Agriculture Class-of-Use (Class II).**
- Parameter value exceeds WDEQ-WQD Livestock Class-of-Use (Class III).**
- Parameter value exceeds EPA MCL criterion.**

Well M-122

Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/21/2009	5/5/2009	5/19/2009	6/2/2009	Minimum	Mean	Maximum	Standard Deviation	Mean \pm 3 Standard Deviations ²	
Total Alkalinity as CaCO ₃	mg/L	115	114	114	114	114.00	114.25	115.00	0.50	112.75	115.75
CO ₃	mg/L	-1	-1	-1	-1	1.00	1.00	1.00	0.00	1.00	1.00
HCO ₃	mg/L	140	139	139	140	139.00	139.50	140.00	0.58	137.77	141.23
Dissolved Calcium	mg/L	63	56	59	59	56.00	59.25	63.00	2.87	50.63	67.87
Total Chloride	mg/L	5	4	4	5	4.00	4.50	5.00	0.58	2.77	6.23
Dissolved Fluoride	mg/L	0.2	0.1	0.1	0.1	0.10	0.13	0.20	0.05	ND	0.28
Dissolved Magnesium	mg/L	3	3	3	3	3.00	3.00	3.00	0.00	3.00	3.00
Total NH ₃ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved NO ₃ +NO ₂ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Potassium	mg/L	3	3	3	3	3.00	3.00	3.00	0.00	3.00	3.00
Dissolved SiO ₂	mg/L	16.8	15.6	15	17.7	15.00	16.28	17.70	1.21	12.65	19.90
Dissolved Sodium	mg/L	37	34	35	35	34.00	35.25	37.00	1.26	31.48	39.02
Total SO ₄	mg/L	125	124	124	127	124.00	125.00	127.00	1.41	120.76	129.24
Specific Conductance at 25 °C	µmhos/cm	498	503	469	487	469.00	489.25	503.00	15.06	444.06	534.44
Laboratory pH	SU	8.02	8.22	8.08	7.95	7.95	8.07	8.22	0.11	7.72	8.41
TDS Dried at 180 °C	mg/L	336	335	334	345	334.00	337.50	345.00	5.07	322.30	352.70
Dissolved Aluminum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Arsenic	mg/L	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.000	0.00	0.00
Dissolved Barium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Boron	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Cadmium	mg/L	-0.005	-0.005	-0.005	-0.005	0.005	0.005	0.005	0.000	0.01	0.01
Dissolved Chromium	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Copper	mg/L	-0.02	-0.01	-0.01	-0.01	0.01	0.01	0.02	0.01	ND	0.03
Dissolved Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Dissolved Lead	mg/L	-0.001	-0.001	-0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Manganese	mg/L	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.00	0.02	0.02

Well M-122

Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/21/2009	5/5/2009	5/19/2009	6/2/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Dissolved Mercury	mg/L	-0.001	-0.001	-0.001	-0.001	0.00100	0.00100	0.00100	0.00000	0.00	0.00
Dissolved Molybdenum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Nickel	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Selenium	mg/L	-0.001	-0.001	-0.001	-0.001	0.00	0.00	0.00	0.00	0.00	0.00
Dissolved Uranium	mg/L	0.045	0.048	0.047	0.050	0.05	0.05	0.05	0.00	0.04	0.05
Dissolved Vanadium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Zinc	mg/L	0.06	-0.01	0.05	0.01	0.01	0.03	0.06	0.03	ND	0.11
Total Iron	mg/L	-0.03	-0.07	-0.03	-0.07	0.03	0.05	0.07	0.02	ND	0.12
Total Manganese	mg/L	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.00	0.02	0.02
Gross Alpha	pCi/L	68.1	79.8	78.6	69.8	68.10	74.08	79.80	5.98	56.14	92.01
Gross Beta	pCi/L	32.5	29.8	24.7	25.7	24.70	28.18	32.50	3.63	17.28	39.07
Dissolved Ra-226	pCi/L	7.8	8.6	8	9.7	7.80	8.53	9.70	0.85	5.96	11.09
Dissolved Ra-228	pCi/L	1.2	2.5	1.5	1.1	1.10	1.58	2.50	0.64	ND	3.49
Dissolved Ra-226+Ra-228	pCi/L	9	11.1	9.5	10.8	9.00	10.10	11.10	1.01	7.07	13.13

¹ Less than values are denoted by a minus sign in front of the detection limit.

² When the mean minus three standard deviations is a negative value, ND is written for "not detected".

- Parameter value exceeds WDEQ-WQD Domestic Class-of-Use (Class I).**
- Parameter value exceeds WDEQ-WQD Agriculture Class-of-Use (Class II).**
- Parameter value exceeds WDEQ-WQD Livestock Class-of-Use (Class III).**
- Parameter value exceeds EPA MCL criterion.**

Well M-123

Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/21/2009	5/5/2009	5/19/2009	6/2/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Total Alkalinity as CaCO ₃	mg/L	109	114	117	116	109.00	114.00	117.00	3.56	103.32	124.68
CO ₃	mg/L	4	1	-1	-1	1.00	1.75	4.00	1.50	ND	6.25
HCO ₃	mg/L	124	137	142	142	124.00	136.25	142.00	8.50	110.75	161.75
Dissolved Calcium	mg/L	54	54	61	61	54.00	57.50	61.00	4.04	45.38	69.62
Total Chloride	mg/L	6	5	5	5	5.00	5.25	6.00	0.50	3.75	6.75
Dissolved Fluoride	mg/L	0.2	0.1	0.2	0.1	0.10	0.15	0.20	0.06	ND	0.32
Dissolved Magnesium	mg/L	2	2	2	2	2.00	2.00	2.00	0.00	2.00	2.00
Total NH ₃ -N	mg/L	0.06	-0.05	-0.05	-0.05	0.05	0.05	0.06	0.01	0.04	0.07
Dissolved NO ₃ +NO ₂ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Potassium	mg/L	5	4	4	3	3.00	4.00	5.00	0.82	1.55	6.45
Dissolved SiO ₂	mg/L	16.4	16.2	15.1	18.3	15.10	16.50	18.30	1.33	12.51	20.49
Dissolved Sodium	mg/L	33	31	33	32	31.00	32.25	33.00	0.96	29.38	35.12
Total SO ₄	mg/L	117	119	120	119	117.00	118.75	120.00	1.26	114.98	122.52
Specific Conductance at 25 °C	µmhos/cm	472	484	456	477	456.00	472.25	484.00	11.90	436.55	507.95
Laboratory pH	SU	8.52	8.39	8.21	8.02	8.02	8.29	8.52	0.22	7.63	8.94
TDS Dried at 180 °C	mg/L	313	324	326	330	313.00	323.25	330.00	7.27	301.43	345.07
Dissolved Aluminum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Arsenic	mg/L	0.005	0.004	0.004	0.003	0.003	0.004	0.005	0.001	0.00	0.01
Dissolved Barium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Boron	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Cadmium	mg/L	-0.005	-0.005	-0.005	-0.005	0.005	0.005	0.005	0.000	0.01	0.01
Dissolved Chromium	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Copper	mg/L	-0.02	-0.01	-0.01	-0.01	0.01	0.01	0.02	0.01	ND	0.03
Dissolved Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Dissolved Lead	mg/L	-0.001	-0.001	-0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Manganese	mg/L	-0.01	0.01	0.02	0.02	0.01	0.02	0.02	0.01	ND	0.03

Well M-123

Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/21/2009	5/5/2009	5/19/2009	6/2/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Dissolved Mercury	mg/L	-0.001	-0.001	-0.001	-0.001	0.00100	0.00100	0.00100	0.00000	0.00	0.00
Dissolved Molybdenum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Nickel	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Selenium	mg/L	-0.001	-0.001	-0.001	-0.001	0.00	0.00	0.00	0.00	0.00	0.00
Dissolved Uranium	mg/L	0.012	0.014	0.014	0.015	0.01	0.01	0.01	0.00	0.01	0.02
Dissolved Vanadium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Zinc	mg/L	0.06	-0.01	0.05	0.01	0.01	0.03	0.06	0.03	ND	0.11
Total Iron	mg/L	-0.03	-0.07	-0.03	-0.07	0.03	0.05	0.07	0.02	ND	0.12
Total Manganese	mg/L	-0.02	0.01	0.02	0.05	0.01	0.03	0.05	0.02	ND	0.08
Gross Alpha	pCi/L	29.2	31.9	36.2	33	29.20	32.58	36.20	2.90	23.89	41.26
Gross Beta	pCi/L	14.4	14.4	11.6	10.4	10.40	12.70	14.40	2.02	6.63	18.77
Dissolved Ra-226	pCi/L	2.3	2.9	2.8	3.1	2.30	2.78	3.10	0.34	1.75	3.80
Dissolved Ra-228	pCi/L	1.4	4.4	1.9	1	1.00	2.18	4.40	1.53	ND	6.76
Dissolved Ra-226+Ra-228	pCi/L	3.7	7.3	4.7	4.1	3.70	4.95	7.30	1.62	0.09	9.81

¹ Less than values are denoted by a minus sign in front of the detection limit.

² When the mean minus three standard deviations is a negative value, ND is written for "not detected".

- Parameter value exceeds WDEQ-WQD Domestic Class-of-Use (Class I).**
- Parameter value exceeds WDEQ-WQD Agriculture Class-of-Use (Class II).**
- Parameter value exceeds WDEQ-WQD Livestock Class-of-Use (Class III).**
- Parameter value exceeds EPA MCL criterion.**

Well M-124

Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/21/2009	5/5/2009	5/19/2009	6/2/2009	Minimum	Mean	Maximum	Standard Deviation	Mean \pm 3 Standard Deviations ²	
Total Alkalinity as CaCO ₃	mg/L	112	112	112	114	112.00	112.50	114.00	1.00	109.50	115.50
CO ₃	mg/L	4	-1	-1	-1	1.00	1.75	4.00	1.50	ND	6.25
HCO ₃	mg/L	128	137	137	139	128.00	135.25	139.00	4.92	120.48	150.02
Dissolved Calcium	mg/L	58	54	60	57	54.00	57.25	60.00	2.50	49.75	64.75
Total Chloride	mg/L	5	4	4	5	4.00	4.50	5.00	0.58	2.77	6.23
Dissolved Fluoride	mg/L	0.2	0.1	0.1	0.1	0.10	0.13	0.20	0.05	ND	0.28
Dissolved Magnesium	mg/L	2	2	2	2	2.00	2.00	2.00	0.00	2.00	2.00
Total NH ₃ -N	mg/L	0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved NO ₃ +NO ₂ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Potassium	mg/L	5	4	4	3	3.00	4.00	5.00	0.82	1.55	6.45
Dissolved SiO ₂	mg/L	15.5	16.2	14.8	17.4	14.80	15.98	17.40	1.11	12.65	19.30
Dissolved Sodium	mg/L	31	30	32	30	30.00	30.75	32.00	0.96	27.88	33.62
Total SO ₄	mg/L	108	107	107	110	107.00	108.00	110.00	1.41	103.76	112.24
Specific Conductance at 25 °C	µmhos/cm	454	462	434	454	434.00	451.00	462.00	11.94	415.17	486.83
Laboratory pH	SU	8.49	8.22	8.4	8.23	8.22	8.34	8.49	0.13	7.94	8.73
TDS Dried at 180 °C	mg/L	300	314	311	312	300.00	309.25	314.00	6.29	290.38	328.12
Dissolved Aluminum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Arsenic	mg/L	0.003	0.002	0.002	0.002	0.002	0.002	0.003	0.001	0.00	0.00
Dissolved Barium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Boron	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Cadmium	mg/L	-0.005	-0.005	-0.005	-0.005	0.005	0.005	0.005	0.000	0.01	0.01
Dissolved Chromium	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Copper	mg/L	-0.02	-0.01	-0.01	-0.01	0.01	0.01	0.02	0.01	ND	0.03
Dissolved Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Dissolved Lead	mg/L	-0.001	-0.001	-0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Manganese	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01

Well M-124

Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/21/2009	5/5/2009	5/19/2009	6/2/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Dissolved Mercury	mg/L	-0.001	-0.001	-0.001	-0.001	0.00100	0.00100	0.00100	0.00000	0.00	0.00
Dissolved Molybdenum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Nickel	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Selenium	mg/L	-0.001	-0.001	-0.001	-0.001	0.00	0.00	0.00	0.00	0.00	0.00
Dissolved Uranium	mg/L	0.050	0.056	0.052	0.054	0.05	0.05	0.06	0.00	0.05	0.06
Dissolved Vanadium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Zinc	mg/L	0.08	0.01	-0.01	0.03	0.01	0.03	0.08	0.03	ND	0.13
Total Iron	mg/L	-0.03	-0.07	-0.03	-0.07	0.03	0.05	0.07	0.02	ND	0.12
Total Manganese	mg/L	-0.02	-0.01	-0.01	-0.01	0.01	0.01	0.02	0.01	ND	0.03
Gross Alpha	pCi/L	62.6	60.6	61.7	71	60.60	63.98	71.00	4.75	49.71	78.24
Gross Beta	pCi/L	27.4	18.2	25.1	23.7	18.20	23.60	27.40	3.91	11.87	35.33
Dissolved Ra-226	pCi/L	1.5	1.6	1.3	1.4	1.30	1.45	1.60	0.13	1.06	1.84
Dissolved Ra-228	pCi/L	0.7	4.1	1.4	1.8	0.70	2.00	4.10	1.47	ND	6.42
Dissolved Ra-226+Ra-228	pCi/L	2.2	5.7	2.7	3.2	2.20	3.45	5.70	1.55	ND	8.11

¹ Less than values are denoted by a minus sign in front of the detection limit.

² When the mean minus three standard deviations is a negative value, ND is written for "not detected".

- Parameter value exceeds WDEQ-WQD Domestic Class-of-Use (Class I).**
- Parameter value exceeds WDEQ-WQD Agriculture Class-of-Use (Class II).**
- Parameter value exceeds WDEQ-WQD Livestock Class-of-Use (Class III).**
- Parameter value exceeds EPA MCL criterion.**

Well M-125

Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/21/2009	5/5/2009	5/19/2009	6/2/2009	Minimum	Mean	Maximum	Standard Deviation	Mean \pm 3 Standard Deviations ²	
Total Alkalinity as CaCO ₃	mg/L	110	117	111	111	110.00	112.25	117.00	3.20	102.65	121.85
CO ₃	mg/L	-1	-1	-1	-1	1.00	1.00	1.00	0.00	1.00	1.00
HCO ₃	mg/L	134	142	136	136	134.00	137.00	142.00	3.46	126.61	147.39
Dissolved Calcium	mg/L	73	66	75	70	66.00	71.00	75.00	3.92	59.25	82.75
Total Chloride	mg/L	5	5	5	6	5.00	5.25	6.00	0.50	3.75	6.75
Dissolved Fluoride	mg/L	0.2	0.1	0.2	0.2	0.10	0.18	0.20	0.05	0.02	0.33
Dissolved Magnesium	mg/L	4	4	3	4	3.00	3.75	4.00	0.50	2.25	5.25
Total NH ₃ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved NO ₃ +NO ₂ -N	mg/L	0.06	0.05	0.05	0.06	0.05	0.06	0.06	0.01	0.04	0.07
Dissolved Potassium	mg/L	5	4	4	3	3.00	4.00	5.00	0.82	1.55	6.45
Dissolved SiO ₂	mg/L	15.8	15.3	14.3	16.7	14.30	15.53	16.70	1.00	12.52	18.53
Dissolved Sodium	mg/L	33	30	33	30	30.00	31.50	33.00	1.73	26.30	36.70
Total SO ₄	mg/L	151	153	149	153	149.00	151.50	153.00	1.91	145.76	157.24
Specific Conductance at 25 °C	µmhos/cm	541	545	514	528	514.00	532.00	545.00	14.02	489.93	574.07
Laboratory pH	SU	7.99	8.17	8.01	7.91	7.91	8.02	8.17	0.11	7.69	8.35
TDS Dried at 180 °C	mg/L	362	379	362	360	360.00	365.75	379.00	8.88	339.10	392.40
Dissolved Aluminum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Arsenic	mg/L	0.001	0.001	-0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Barium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Boron	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Cadmium	mg/L	-0.005	-0.005	-0.005	-0.005	0.005	0.005	0.005	0.000	0.01	0.01
Dissolved Chromium	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Copper	mg/L	-0.02	-0.01	-0.01	-0.01	0.01	0.01	0.02	0.01	ND	0.03
Dissolved Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Dissolved Lead	mg/L	-0.001	-0.001	-0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Manganese	mg/L	0.01	-0.01	0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/21/2009	5/5/2009	5/19/2009	6/2/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Dissolved Mercury	mg/L	-0.001	-0.001	-0.001	-0.001	0.00100	0.00100	0.00100	0.00000	0.00	0.00
Dissolved Molybdenum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Nickel	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Selenium	mg/L	0.011	0.013	0.012	0.013	0.01	0.01	0.01	0.00	0.01	0.02
Dissolved Uranium	mg/L	0.274	0.296	0.297	0.297	0.27	0.29	0.30	0.01	0.26	0.33
Dissolved Vanadium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Zinc	mg/L	0.06	0.02	-0.01	-0.01	0.01	0.03	0.06	0.02	ND	0.10
Total Iron	mg/L	-0.03	-0.03	-0.03	-0.07	0.03	0.04	0.07	0.02	ND	0.10
Total Manganese	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01
Gross Alpha	pCi/L	255	368	400	308	255.00	332.75	400.00	64.35	139.70	525.80
Gross Beta	pCi/L	113	97.9	90.1	83	83.00	96.00	113.00	12.86	57.41	134.59
Dissolved Ra-226	pCi/L	2.5	2.1	2.3	2	2.00	2.23	2.50	0.22	1.56	2.89
Dissolved Ra-228	pCi/L	1.1	3.6	2.3	2.1	1.10	2.28	3.60	1.03	ND	5.36
Dissolved Ra-226+Ra-228	pCi/L	3.6	5.7	4.6	4.1	3.60	4.50	5.70	0.90	1.81	7.19

¹ Less than values are denoted by a minus sign in front of the detection limit.

² When the mean minus three standard deviations is a negative value, ND is written for "not detected".

- Parameter value exceeds WDEQ-WQD Domestic Class-of-Use (Class I).
- Parameter value exceeds WDEQ-WQD Agriculture Class-of-Use (Class II).
- Parameter value exceeds WDEQ-WQD Livestock Class-of-Use (Class III).
- Parameter value exceeds EPA MCL criterion.

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/21/2009	5/5/2009	5/19/2009	6/2/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Total Alkalinity as CaCO ₃	mg/L	84	82	86	90	82.00	85.50	90.00	3.42	75.25	95.75
CO ₃	mg/L	4	-1	-1	-1	1.00	1.75	4.00	1.50	ND	6.25
HCO ₃	mg/L	94	99	105	109	94.00	101.75	109.00	6.60	81.94	121.56
Dissolved Calcium	mg/L	56	54	58	63	54.00	57.75	63.00	3.86	46.16	69.34
Total Chloride	mg/L	7	6	6	6	6.00	6.25	7.00	0.50	4.75	7.75
Dissolved Fluoride	mg/L	0.2	0.2	0.2	0.2	0.20	0.20	0.20	0.00	0.20	0.20
Dissolved Magnesium	mg/L	3	3	2	3	2.00	2.75	3.00	0.50	1.25	4.25
Total NH ₃ -N	mg/L	0.32	0.28	0.23	0.25	0.23	0.27	0.32	0.04	0.15	0.39
Dissolved NO ₃ +NO ₂ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Potassium	mg/L	5	4	4	4	4.00	4.25	5.00	0.50	2.75	5.75
Dissolved SiO ₂	mg/L	14	14.7	13.6	15.6	13.60	14.48	15.60	0.88	11.84	17.11
Dissolved Sodium	mg/L	34	33	33	34	33.00	33.50	34.00	0.58	31.77	35.23
Total SO ₄	mg/L	148	146	145	149	145.00	147.00	149.00	1.83	141.52	152.48
Specific Conductance at 25 °C	µmhos/cm	494	495	471	491	471.00	487.75	495.00	11.30	453.86	521.64
Laboratory pH	SU	8.61	8.42	8.41	8.3	8.30	8.44	8.61	0.13	8.05	8.82
TDS Dried at 180 °C	mg/L	324	344	329	328	324.00	331.25	344.00	8.77	304.94	357.56
Dissolved Aluminum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Arsenic	mg/L	0.006	0.006	0.006	0.007	0.006	0.006	0.007	0.001	0.00	0.01
Dissolved Barium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Boron	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Cadmium	mg/L	-0.005	-0.005	-0.005	-0.005	0.005	0.005	0.005	0.000	0.01	0.01
Dissolved Chromium	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Copper	mg/L	-0.02	-0.01	-0.01	-0.01	0.01	0.01	0.02	0.01	ND	0.03
Dissolved Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Dissolved Lead	mg/L	-0.001	-0.001	-0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Manganese	mg/L	0.06	0.08	0.1	0.12	0.06	0.09	0.12	0.03	0.01	0.17

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/21/2009	5/5/2009	5/19/2009	6/2/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Dissolved Mercury	mg/L	-0.001	-0.001	-0.001	-0.001	0.00100	0.00100	0.00100	0.00000	0.00	0.00
Dissolved Molybdenum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Nickel	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Selenium	mg/L	0.005	0.005	0.004	0.006	0.00	0.01	0.01	0.00	0.00	0.01
Dissolved Uranium	mg/L	0.307	0.344	0.343	0.354	0.31	0.34	0.35	0.02	0.28	0.40
Dissolved Vanadium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Zinc	mg/L	0.05	-0.01	-0.01	-0.01	0.01	0.02	0.05	0.02	ND	0.08
Total Iron	mg/L	-0.03	-0.03	-0.03	-0.07	0.03	0.04	0.07	0.02	ND	0.10
Total Manganese	mg/L	0.07	0.09	0.11	0.12	0.07	0.10	0.12	0.02	0.03	0.16
Gross Alpha	pCi/L	358	417	454	426	358.00	413.75	454.00	40.37	292.65	534.85
Gross Beta	pCi/L	136	108	108	99.5	99.50	112.88	136.00	15.93	65.09	160.66
Dissolved Ra-226	pCi/L	1.9	1.5	1.9	2	1.50	1.83	2.00	0.22	1.16	2.49
Dissolved Ra-228	pCi/L	1.2	1.1	0.9	1.3	0.90	1.13	1.30	0.17	0.61	1.64
Dissolved Ra-226+Ra-228	pCi/L	3.1	2.6	2.8	3.3	2.60	2.95	3.30	0.31	2.02	3.88

¹ Less than values are denoted by a minus sign in front of the detection limit.

² When the mean minus three standard deviations is a negative value, ND is written for "not detected".

- Parameter value exceeds WDEQ-WQD Domestic Class-of-Use (Class I).**
- Parameter value exceeds WDEQ-WQD Agriculture Class-of-Use (Class II).**
- Parameter value exceeds WDEQ-WQD Livestock Class-of-Use (Class III).**
- Parameter value exceeds EPA MCL criterion.**

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/21/2009	5/5/2009	5/19/2009	6/2/2009	Minimum	Mean	Maximum	Standard Deviation	Mean \pm 3 Standard Deviations ²	
Total Alkalinity as CaCO ₃	mg/L	109	108	109	110	108.00	109.00	110.00	0.82	106.55	111.45
CO ₃	mg/L	-1	-1	-1	-1	1.00	1.00	1.00	0.00	1.00	1.00
HCO ₃	mg/L	132	130	132	135	130.00	132.25	135.00	2.06	126.07	138.43
Dissolved Calcium	mg/L	58	58	65	64	58.00	61.25	65.00	3.77	49.93	72.57
Total Chloride	mg/L	5	5	5	5	5.00	5.00	5.00	0.00	5.00	5.00
Dissolved Fluoride	mg/L	0.2	0.1	0.1	0.1	0.10	0.13	0.20	0.05	ND	0.28
Dissolved Magnesium	mg/L	3	3	4	4	3.00	3.50	4.00	0.58	1.77	5.23
Total NH ₃ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved NO ₃ +NO ₂ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Potassium	mg/L	15	12	10	8	8.00	11.25	15.00	2.99	2.29	20.21
Dissolved SiO ₂	mg/L	15.4	15.8	13.5	17	13.50	15.43	17.00	1.45	11.07	19.78
Dissolved Sodium	mg/L	32	30	32	30	30.00	31.00	32.00	1.15	27.54	34.46
Total SO ₄	mg/L	139	140	138	140	138.00	139.25	140.00	0.96	136.38	142.12
Specific Conductance at 25 °C	µmhos/cm	520	520	493	510	493.00	510.75	520.00	12.74	472.54	548.96
Laboratory pH	SU	8.39	8.35	8.17	8.04	8.04	8.24	8.39	0.16	7.75	8.73
TDS Dried at 180 °C	mg/L	332	356	345	340	332.00	343.25	356.00	10.05	313.11	373.39
Dissolved Aluminum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Arsenic	mg/L	0.003	0.003	0.002	0.002	0.002	0.003	0.003	0.001	0.00	0.00
Dissolved Barium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Boron	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Cadmium	mg/L	-0.005	-0.005	-0.005	-0.005	0.005	0.005	0.005	0.000	0.01	0.01
Dissolved Chromium	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Copper	mg/L	-0.02	-0.01	-0.01	-0.01	0.01	0.01	0.02	0.01	ND	0.03
Dissolved Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Dissolved Lead	mg/L	-0.001	-0.001	-0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Manganese	mg/L	0.01	0.01	0.01	0.02	0.01	0.01	0.02	0.01	ND	0.03

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/21/2009	5/5/2009	5/19/2009	6/2/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Dissolved Mercury	mg/L	-0.001	-0.001	-0.001	-0.001	0.00100	0.00100	0.00100	0.00000	0.00	0.00
Dissolved Molybdenum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Nickel	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Selenium	mg/L	0.005	0.006	0.005	0.006	0.01	0.01	0.01	0.00	0.00	0.01
Dissolved Uranium	mg/L	0.124	0.140	0.135	0.139	0.12	0.13	0.14	0.01	0.11	0.16
Dissolved Vanadium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Zinc	mg/L	0.05	0.01	-0.01	-0.01	0.01	0.02	0.05	0.02	ND	0.08
Total Iron	mg/L	-0.03	-0.03	-0.03	-0.07	0.03	0.04	0.07	0.02	ND	0.10
Total Manganese	mg/L	0.01	-0.01	0.01	0.02	0.01	0.01	0.02	0.01	ND	0.03
Gross Alpha	pCi/L	116	136	167	186	116.00	151.25	186.00	31.26	57.48	245.02
Gross Beta	pCi/L	58.8	50.6	62.9	47.6	47.60	54.98	62.90	7.09	33.69	76.26
Dissolved Ra-226	pCi/L	0.75	1.2	1.2	1.5	0.75	1.16	1.50	0.31	0.23	2.09
Dissolved Ra-228	pCi/L	1.5	2	2	1.7	1.50	1.80	2.00	0.24	1.07	2.53
Dissolved Ra-226+Ra-228	pCi/L	2.25	3.2	3.2	3.2	2.25	2.96	3.20	0.47	1.54	4.39

¹ Less than values are denoted by a minus sign in front of the detection limit.

² When the mean minus three standard deviations is a negative value, ND is written for "not detected".

Parameter value exceeds WDEQ-WQD Domestic Class-of-Use (Class I).

Parameter value exceeds WDEQ-WQD Agriculture Class-of-Use (Class II).

Parameter value exceeds WDEQ-WQD Livestock Class-of-Use (Class III).

Parameter value exceeds EPA MCL criterion.

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/21/2009	5/5/2009	5/19/2009	6/2/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Total Alkalinity as CaCO ₃	mg/L	109	113	112	113	109.00	111.75	113.00	1.89	106.07	117.43
CO ₃	mg/L	1	2	-1	-1	1.00	1.25	2.00	0.50	ND	2.75
HCO ₃	mg/L	130	134	136	138	130.00	134.50	138.00	3.42	124.25	144.75
Dissolved Calcium	mg/L	74	71	75	74	71.00	73.50	75.00	1.73	68.30	78.70
Total Chloride	mg/L	6	6	6	6	6.00	6.00	6.00	0.00	6.00	6.00
Dissolved Fluoride	mg/L	0.2	0.1	0.2	0.2	0.10	0.18	0.20	0.05	0.02	0.33
Dissolved Magnesium	mg/L	3	3	3	3	3.00	3.00	3.00	0.00	3.00	3.00
Total NH ₃ -N	mg/L	0.07	-0.05	-0.05	-0.05	0.05	0.06	0.07	0.01	0.03	0.09
Dissolved NO ₃ +NO ₂ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Potassium	mg/L	8	5	5	4	4.00	5.50	8.00	1.73	0.30	10.70
Dissolved SiO ₂	mg/L	15.5	15.7	14.6	16.3	14.60	15.53	16.30	0.70	13.41	17.64
Dissolved Sodium	mg/L	33	31	32	30	30.00	31.50	33.00	1.29	27.63	35.37
Total SO ₄	mg/L	155	154	154	155	154.00	154.50	155.00	0.58	152.77	156.23
Specific Conductance at 25 °C	µmhos/cm	546	552	519	538	519.00	538.75	552.00	14.36	495.67	581.83
Laboratory pH	SU	8.51	8.43	8.24	7.84	7.84	8.26	8.51	0.30	7.36	9.15
TDS Dried at 180 °C	mg/L	349	377	363	368	349.00	364.25	377.00	11.70	329.15	399.35
Dissolved Aluminum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Arsenic	mg/L	0.007	0.006	0.005	0.005	0.005	0.006	0.007	0.001	0.00	0.01
Dissolved Barium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Boron	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Cadmium	mg/L	-0.005	-0.005	-0.005	-0.005	0.005	0.005	0.005	0.000	0.01	0.01
Dissolved Chromium	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Copper	mg/L	-0.02	-0.01	-0.01	-0.01	0.01	0.01	0.02	0.01	ND	0.03
Dissolved Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Dissolved Lead	mg/L	-0.001	-0.001	-0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Manganese	mg/L	0.03	0.03	0.03	0.04	0.03	0.03	0.04	0.01	0.02	0.05

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/21/2009	5/5/2009	5/19/2009	6/2/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Dissolved Mercury	mg/L	-0.001	-0.001	-0.001	-0.001	0.00100	0.00100	0.00100	0.00000	0.00	0.00
Dissolved Molybdenum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Nickel	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Selenium	mg/L	-0.001	-0.001	-0.001	-0.001	0.00	0.00	0.00	0.00	0.00	0.00
Dissolved Uranium	mg/L	0.077	0.084	0.084	0.085	0.08	0.08	0.09	0.00	0.07	0.09
Dissolved Vanadium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Zinc	mg/L	0.09	0.01	-0.01	-0.01	0.01	0.03	0.09	0.04	ND	0.15
Total Iron	mg/L	-0.03	-0.03	-0.03	-0.07	0.03	0.04	0.07	0.02	ND	0.10
Total Manganese	mg/L	0.03	0.03	0.03	0.04	0.03	0.03	0.04	0.01	0.02	0.05
Gross Alpha	pCi/L	81.9	94	114	93.3	81.90	95.80	114.00	13.34	55.78	135.82
Gross Beta	pCi/L	34.1	31.1	33.6	30.9	30.90	32.43	34.10	1.66	27.44	37.41
Dissolved Ra-226	pCi/L	1.1	0.91	1.1	1.2	0.91	1.08	1.20	0.12	0.71	1.44
Dissolved Ra-228	pCi/L	1.6	1.9	1.7	1.6	1.60	1.70	1.90	0.14	1.28	2.12
Dissolved Ra-226+Ra-228	pCi/L	2.7	2.81	2.8	2.8	2.70	2.78	2.81	0.05	2.62	2.93

¹ Less than values are denoted by a minus sign in front of the detection limit.

² When the mean minus three standard deviations is a negative value, ND is written for "not detected".

Parameter value exceeds WDEQ-WQD Domestic Class-of-Use (Class I).

Parameter value exceeds WDEQ-WQD Agriculture Class-of-Use (Class II).

Parameter value exceeds WDEQ-WQD Livestock Class-of-Use (Class III).

Parameter value exceeds EPA MCL criterion.

Well MO-101

Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/23/2009	5/7/2009	5/21/2009	6/4/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Total Alkalinity as CaCO ₃	mg/L	112	110	111	112	110.00	111.25	112.00	0.96	108.38	114.12
CO ₃	mg/L	-1	-1	-1	-1	1.00	1.00	1.00	0.00	1.00	1.00
HCO ₃	mg/L	137	135	136	137	135.00	136.25	137.00	0.96	133.38	139.12
Dissolved Calcium	mg/L	82	91	92	89	82.00	88.50	92.00	4.51	74.97	102.03
Total Chloride	mg/L	7	8	9	10	7.00	8.50	10.00	1.29	4.63	12.37
Dissolved Fluoride	mg/L	0.2	0.2	0.2	0.2	0.20	0.20	0.20	0.00	0.20	0.20
Dissolved Magnesium	mg/L	4	4	4	4	4.00	4.00	4.00	0.00	4.00	4.00
Total NH ₃ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved NO ₃ +NO ₂ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Potassium	mg/L	3	3	3	2	2.00	2.75	3.00	0.50	1.25	4.25
Dissolved SiO ₂	mg/L	14.1	14.4	15.7	15.4	14.10	14.90	15.70	0.77	12.59	17.21
Dissolved Sodium	mg/L	31	34	31	29	29.00	31.25	34.00	2.06	25.07	37.43
Total SO ₄	mg/L	196	204	200	199	196.00	199.75	204.00	3.30	189.84	209.66
Specific Conductance at 25 °C	µmhos/cm	652	624	612	638	612.00	631.50	652.00	17.31	579.57	683.43
Laboratory pH	SU	7.89	7.93	7.84	7.87	7.84	7.88	7.93	0.04	7.77	8.00
TDS Dried at 180 °C	mg/L	428	442	442	451	428.00	440.75	451.00	9.50	412.25	469.25
Dissolved Aluminum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Arsenic	mg/L	0.001	-0.001	-0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Barium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Boron	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Cadmium	mg/L	-0.005	-0.005	-0.005	-0.005	0.005	0.005	0.005	0.000	0.01	0.01
Dissolved Chromium	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Copper	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01
Dissolved Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Dissolved Lead	mg/L	0.003	-0.001	-0.001	-0.001	0.001	0.002	0.003	0.001	ND	0.00
Dissolved Manganese	mg/L	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.01	0.01

Well MO-101

Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/23/2009	5/7/2009	5/21/2009	6/4/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Dissolved Mercury	mg/L	-0.001	-0.001	-0.001	-0.001	0.00100	0.00100	0.00100	0.00000	0.00	0.00
Dissolved Molybdenum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Nickel	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Selenium	mg/L	0.012	0.012	0.013	0.012	0.01	0.01	0.01	0.00	0.01	0.01
Dissolved Uranium	mg/L	0.385	0.384	0.378	0.368	0.37	0.38	0.39	0.01	0.36	0.40
Dissolved Vanadium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Zinc	mg/L	0.05	0.02	0.02	0.01	0.01	0.03	0.05	0.02	ND	0.08
Total Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Total Manganese	mg/L	0.01	-0.02	0.01	0.02	0.01	0.02	0.02	0.01	ND	0.03
Gross Alpha	pCi/L	424	445	552	440	424.00	465.25	552.00	58.52	289.68	640.82
Gross Beta	pCi/L	95.7	144	118	108	95.70	116.43	144.00	20.52	54.86	177.99
Dissolved Ra-226	pCi/L	4.3	4.1	5	5.2	4.10	4.65	5.20	0.53	3.05	6.25
Dissolved Ra-228	pCi/L	3.1	2.1	2.9	2.4	2.10	2.63	3.10	0.46	1.25	4.00
Dissolved Ra-226+Ra-228	pCi/L	7.4	6.2	7.9	7.6	6.20	7.28	7.90	0.75	5.04	9.51

¹ Less than values are denoted by a minus sign in front of the detection limit.

² When the mean minus three standard deviations is a negative value, ND is written for "not detected".

- Parameter value exceeds WDEQ-WQD Domestic Class-of-Use (Class I).**
- Parameter value exceeds WDEQ-WQD Agriculture Class-of-Use (Class II).**
- Parameter value exceeds WDEQ-WQD Livestock Class-of-Use (Class III).**
- Parameter value exceeds EPA MCL criterion.**

Well MO-102

Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/23/2009	5/7/2009	5/21/2009	6/4/2009	Minimum	Mean	Maximum	Standard Deviation	Mean \pm 3 Standard Deviations ²	
Total Alkalinity as CaCO ₃	mg/L	99	105	107	109	99.00	105.00	109.00	4.32	92.04	117.96
CO ₃	mg/L	-1	-1	-1	-1	1.00	1.00	1.00	0.00	1.00	1.00
HCO ₃	mg/L	121	128	130	132	121.00	127.75	132.00	4.79	113.39	142.11
Dissolved Calcium	mg/L	70	75	82	77	70.00	76.00	82.00	4.97	61.10	90.90
Total Chloride	mg/L	6	6	6	6	6.00	6.00	6.00	0.00	6.00	6.00
Dissolved Fluoride	mg/L	0.2	0.2	0.2	0.2	0.20	0.20	0.20	0.00	0.20	0.20
Dissolved Magnesium	mg/L	3	4	4	4	3.00	3.75	4.00	0.50	2.25	5.25
Total NH ₃ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved NO ₃ +NO ₂ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Potassium	mg/L	3	3	3	3	3.00	3.00	3.00	0.00	3.00	3.00
Dissolved SiO ₂	mg/L	15.2	14.2	15.4	14.8	14.20	14.90	15.40	0.53	13.31	16.49
Dissolved Sodium	mg/L	32	32	30	29	29.00	30.75	32.00	1.50	26.25	35.25
Total SO ₄	mg/L	174	181	184	180	174.00	179.75	184.00	4.19	167.17	192.33
Specific Conductance at 25 °C	µmhos/cm	567	577	566	588	566.00	574.50	588.00	10.28	543.66	605.34
Laboratory pH	SU	8.06	8	7.94	7.93	7.93	7.98	8.06	0.06	7.80	8.16
TDS Dried at 180 °C	mg/L	373	406	434	393	373.00	401.50	434.00	25.57	324.80	478.20
Dissolved Aluminum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Arsenic	mg/L	0.004	0.003	0.003	0.002	0.002	0.003	0.004	0.001	0.00	0.01
Dissolved Barium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Boron	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Cadmium	mg/L	-0.005	-0.005	-0.005	-0.005	0.005	0.005	0.005	0.000	0.01	0.01
Dissolved Chromium	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Copper	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01
Dissolved Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Dissolved Lead	mg/L	0.001	-0.001	-0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Manganese	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/23/2009	5/7/2009	5/21/2009	6/4/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Dissolved Mercury	mg/L	-0.001	-0.001	-0.001	-0.001	0.00100	0.00100	0.00100	0.00000	0.00	0.00
Dissolved Molybdenum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Nickel	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Selenium	mg/L	-0.001	-0.001	-0.001	-0.001	0.00	0.00	0.00	0.00	0.00	0.00
Dissolved Uranium	mg/L	0.332	0.339	0.341	0.339	0.33	0.34	0.34	0.00	0.33	0.35
Dissolved Vanadium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Zinc	mg/L	0.02	-0.01	0.01	-0.01	0.01	0.01	0.02	0.01	ND	0.03
Total Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Total Manganese	mg/L	-0.01	-0.02	-0.01	-0.01	0.01	0.01	0.02	0.01	ND	0.03
Gross Alpha	pCi/L	312	387	402	388	312.00	372.25	402.00	40.75	250.01	494.49
Gross Beta	pCi/L	97.4	100	114	95.9	95.90	101.83	114.00	8.29	76.95	126.70
Dissolved Ra-226	pCi/L	6.9	7.7	7.9	8.6	6.90	7.78	8.60	0.70	5.68	9.87
Dissolved Ra-228	pCi/L	3.5	2.7	2.3	3.8	2.30	3.08	3.80	0.69	0.99	5.16
Dissolved Ra-226+Ra-228	pCi/L	10.4	10.4	10.2	12.4	10.20	10.85	12.40	1.04	7.74	13.96

¹ Less than values are denoted by a minus sign in front of the detection limit.

² When the mean minus three standard deviations is a negative value, ND is written for "not detected".

- Parameter value exceeds WDEQ-WQD Domestic Class-of-Use (Class I).**
- Parameter value exceeds WDEQ-WQD Agriculture Class-of-Use (Class II).**
- Parameter value exceeds WDEQ-WQD Livestock Class-of-Use (Class III).**
- Parameter value exceeds EPA MCL criterion.**

Well MO-103

Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/23/2009	5/7/2009	5/21/2009	6/4/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Total Alkalinity as CaCO ₃	mg/L	115	113	105	114	105.00	111.75	115.00	4.57	98.03	125.47
CO ₃	mg/L	-1	-1	-1	-1	1.00	1.00	1.00	0.00	1.00	1.00
HCO ₃	mg/L	141	138	129	139	129.00	136.75	141.00	5.32	120.80	152.70
Dissolved Calcium	mg/L	74	80	62	79	62.00	73.75	80.00	8.26	48.97	98.53
Total Chloride	mg/L	6	6	5	6	5.00	5.75	6.00	0.50	4.25	7.25
Dissolved Fluoride	mg/L	0.2	0.2	0.2	0.2	0.20	0.20	0.20	0.00	0.20	0.20
Dissolved Magnesium	mg/L	4	4	3	4	3.00	3.75	4.00	0.50	2.25	5.25
Total NH ₃ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved NO ₃ +NO ₂ -N	mg/L	0.09	0.07	0.15	0.1	0.07	0.10	0.15	0.03	0.00	0.20
Dissolved Potassium	mg/L	2	2	2	2	2.00	2.00	2.00	0.00	2.00	2.00
Dissolved SiO ₂	mg/L	14.4	15.8	15.5	15.4	14.40	15.28	15.80	0.61	13.45	17.10
Dissolved Sodium	mg/L	30	33	30	32	30.00	31.25	33.00	1.50	26.75	35.75
Total SO ₄	mg/L	177	175	124	174	124.00	162.50	177.00	25.70	85.41	239.59
Specific Conductance at 25 °C	µmhos/cm	593	577	448	580	448.00	549.50	593.00	68.02	345.43	753.57
Laboratory pH	SU	7.81	7.77	7.9	7.83	7.77	7.83	7.90	0.05	7.66	7.99
TDS Dried at 180 °C	mg/L	389	396	322	426	322.00	383.25	426.00	43.87	251.63	514.87
Dissolved Aluminum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Arsenic	mg/L	-0.001	-0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Barium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Boron	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Cadmium	mg/L	-0.005	-0.005	-0.005	-0.005	0.005	0.005	0.005	0.000	0.01	0.01
Dissolved Chromium	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Copper	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01
Dissolved Iron	mg/L	-0.03	0.04	-0.03	-0.03	0.03	0.03	0.04	0.01	0.02	0.05
Dissolved Lead	mg/L	0.001	-0.001	-0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Manganese	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01

Well MO-103

Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/23/2009	5/7/2009	5/21/2009	6/4/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Dissolved Mercury	mg/L	-0.001	-0.001	-0.001	-0.001	0.00100	0.00100	0.00100	0.00000	0.00	0.00
Dissolved Molybdenum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Nickel	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Selenium	mg/L	0.013	0.014	0.015	0.014	0.01	0.01	0.02	0.00	0.01	0.02
Dissolved Uranium	mg/L	0.469	0.481	0.326	0.464	0.33	0.44	0.48	0.07	0.22	0.65
Dissolved Vanadium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Zinc	mg/L	0.02	-0.01	-0.01	-0.01	0.01	0.01	0.02	0.01	ND	0.03
Total Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Total Manganese	mg/L	-0.01	-0.02	-0.01	-0.01	0.01	0.01	0.02	0.01	ND	0.03
Gross Alpha	pCi/L	505	500	267	458	267.00	432.50	505.00	112.33	95.51	769.49
Gross Beta	pCi/L	115	121	81.1	110	81.10	106.78	121.00	17.70	53.68	159.87
Dissolved Ra-226	pCi/L	4.1	3.3	2.1	3.4	2.10	3.23	4.10	0.83	0.73	5.72
Dissolved Ra-228	pCi/L	3	2.7	1.8	2.4	1.80	2.48	3.00	0.51	0.94	4.01
Dissolved Ra-226+Ra-228	pCi/L	7.1	6	3.9	5.8	3.90	5.70	7.10	1.33	1.71	9.69

¹ Less than values are denoted by a minus sign in front of the detection limit.

² When the mean minus three standard deviations is a negative value, ND is written for "not detected".

- Parameter value exceeds WDEQ-WQD Domestic Class-of-Use (Class I).**
- Parameter value exceeds WDEQ-WQD Agriculture Class-of-Use (Class II).**
- Parameter value exceeds WDEQ-WQD Livestock Class-of-Use (Class III).**
- Parameter value exceeds EPA MCL criterion.**

Well MO-104

Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/22/2009	5/6/2009	5/20/2009	6/3/2009	Minimum	Mean	Maximum	Standard Deviation	Mean \pm 3 Standard Deviations ²	
Total Alkalinity as CaCO ₃	mg/L	108	124	123	124	108.00	119.75	124.00	7.85	96.21	143.29
CO ₃	mg/L	-1	-1	-1	-1	1.00	1.00	1.00	0.00	1.00	1.00
HCO ₃	mg/L	132	151	150	151	132.00	146.00	151.00	9.35	117.96	174.04
Dissolved Calcium	mg/L	76	85	85	91	76.00	84.25	91.00	6.18	65.70	102.80
Total Chloride	mg/L	8	9	9	9	8.00	8.75	9.00	0.50	7.25	10.25
Dissolved Fluoride	mg/L	0.2	0.2	0.2	0.2	0.20	0.20	0.20	0.00	0.20	0.20
Dissolved Magnesium	mg/L	4	4	5	5	4.00	4.50	5.00	0.58	2.77	6.23
Total NH ₃ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved NO ₃ +NO ₂ -N	mg/L	0.72	0.84	0.87	0.84	0.72	0.82	0.87	0.07	0.62	1.02
Dissolved Potassium	mg/L	4	3	3	2	2.00	3.00	4.00	0.82	0.55	5.45
Dissolved SiO ₂	mg/L	14.5	15.9	15.2	15.5	14.50	15.28	15.90	0.59	13.50	17.05
Dissolved Sodium	mg/L	35	30	42	35	30.00	35.50	42.00	4.93	20.70	50.30
Total SO ₄	mg/L	171	177	183	177	171.00	177.00	183.00	4.90	162.30	191.70
Specific Conductance at 25 °C	µmhos/cm	596	616	615	616	596.00	610.75	616.00	9.84	581.22	640.28
Laboratory pH	SU	7.79	7.77	7.86	7.73	7.73	7.79	7.86	0.05	7.62	7.95
TDS Dried at 180 °C	mg/L	394	424	438	413	394.00	417.25	438.00	18.57	361.53	472.97
Dissolved Aluminum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Arsenic	mg/L	-0.001	-0.001	-0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Barium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Boron	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Cadmium	mg/L	-0.005	-0.005	-0.005	-0.005	0.005	0.005	0.005	0.000	0.01	0.01
Dissolved Chromium	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Copper	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01
Dissolved Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Dissolved Lead	mg/L	-0.001	-0.001	-0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Manganese	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/22/2009	5/6/2009	5/20/2009	6/3/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Dissolved Mercury	mg/L	-0.001	-0.001	-0.001	-0.001	0.00100	0.00100	0.00100	0.00000	0.00	0.00
Dissolved Molybdenum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Nickel	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Selenium	mg/L	0.043	0.046	0.046	0.047	0.04	0.05	0.05	0.00	0.04	0.05
Dissolved Uranium	mg/L	0.718	0.916	0.883	0.899	0.72	0.85	0.92	0.09	0.58	1.13
Dissolved Vanadium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Zinc	mg/L	0.02	-0.01	-0.01	-0.01	0.01	0.01	0.02	0.01	ND	0.03
Total Iron	mg/L	-0.07	-0.03	-0.03	-0.03	0.03	0.04	0.07	0.02	ND	0.10
Total Manganese	mg/L	-0.01	-0.02	-0.02	-0.01	0.01	0.02	0.02	0.01	ND	0.03
Gross Alpha	pCi/L	682	834	837	717	682.00	767.50	837.00	79.82	528.04	1006.96
Gross Beta	pCi/L	197	382	303	255	197.00	284.25	382.00	78.26	49.46	519.04
Dissolved Ra-226	pCi/L	3.1	2.7	3.2	2.4	2.40	2.85	3.20	0.37	1.74	3.96
Dissolved Ra-228	pCi/L	2.3	2.1	3.3	3.8	2.10	2.88	3.80	0.81	0.45	5.30
Dissolved Ra-226+Ra-228	pCi/L	5.4	4.8	6.5	6.2	4.80	5.73	6.50	0.77	3.41	8.04

¹ Less than values are denoted by a minus sign in front of the detection limit.

² When the mean minus three standard deviations is a negative value, ND is written for "not detected".

Parameter value exceeds WDEQ-WQD Domestic Class-of-Use (Class I).

Parameter value exceeds WDEQ-WQD Agriculture Class-of-Use (Class II).

Parameter value exceeds WDEQ-WQD Livestock Class-of-Use (Class III).

Parameter value exceeds EPA MCL criterion.

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/23/2009	5/7/2009	5/21/2009	6/4/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Total Alkalinity as CaCO ₃	mg/L	107	104	114	105	104.00	107.50	114.00	4.51	93.97	121.03
CO ₃	mg/L	-1	-1	-1	-1	1.00	1.00	1.00	0.00	1.00	1.00
HCO ₃	mg/L	130	127	139	129	127.00	131.25	139.00	5.32	115.30	147.20
Dissolved Calcium	mg/L	57	58	79	56	56.00	62.50	79.00	11.03	29.41	95.59
Total Chloride	mg/L	5	5	6	5	5.00	5.25	6.00	0.50	3.75	6.75
Dissolved Fluoride	mg/L	0.2	0.2	0.2	0.2	0.20	0.20	0.20	0.00	0.20	0.20
Dissolved Magnesium	mg/L	3	3	4	3	3.00	3.25	4.00	0.50	1.75	4.75
Total NH ₃ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved NO ₃ +NO ₂ -N	mg/L	0.12	0.12	0.1	0.15	0.10	0.12	0.15	0.02	0.06	0.18
Dissolved Potassium	mg/L	2	2	2	2	2.00	2.00	2.00	0.00	2.00	2.00
Dissolved SiO ₂	mg/L	14.2	14.4	15.3	15.1	14.20	14.75	15.30	0.53	13.15	16.35
Dissolved Sodium	mg/L	31	32	29	31	29.00	30.75	32.00	1.26	26.98	34.52
Total SO ₄	mg/L	124	125	174	122	122.00	136.25	174.00	25.20	60.66	211.84
Specific Conductance at 25 °C	µmhos/cm	481	469	557	469	469.00	494.00	557.00	42.38	366.86	621.14
Laboratory pH	SU	7.94	7.98	7.75	7.91	7.75	7.90	7.98	0.10	7.59	8.20
TDS Dried at 180 °C	mg/L	312	324	402	336	312.00	343.50	402.00	40.21	222.86	464.14
Dissolved Aluminum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Arsenic	mg/L	0.002	0.001	-0.001	0.001	0.001	0.001	0.002	0.001	ND	0.00
Dissolved Barium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Boron	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Cadmium	mg/L	-0.005	-0.005	-0.005	-0.005	0.005	0.005	0.005	0.000	0.01	0.01
Dissolved Chromium	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Copper	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01
Dissolved Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Dissolved Lead	mg/L	0.002	-0.001	-0.001	-0.001	0.001	0.001	0.002	0.001	ND	0.00
Dissolved Manganese	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/23/2009	5/7/2009	5/21/2009	6/4/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Dissolved Mercury	mg/L	-0.001	-0.001	-0.001	-0.001	0.00100	0.00100	0.00100	0.00000	0.00	0.00
Dissolved Molybdenum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Nickel	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Selenium	mg/L	0.013	0.014	0.014	0.016	0.01	0.01	0.02	0.00	0.01	0.02
Dissolved Uranium	mg/L	0.327	0.320	0.473	0.313	0.31	0.36	0.47	0.08	0.13	0.59
Dissolved Vanadium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Zinc	mg/L	0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01
Total Iron	mg/L	-0.03	-0.03	-0.03	0.06	0.03	0.04	0.06	0.02	ND	0.08
Total Manganese	mg/L	-0.01	-0.02	-0.01	-0.01	0.01	0.01	0.02	0.01	ND	0.03
Gross Alpha	pCi/L	249	334	463	372	249.00	354.50	463.00	88.75	88.25	620.75
Gross Beta	pCi/L	78.3	121	131	91.5	78.30	105.45	131.00	24.67	31.43	179.47
Dissolved Ra-226	pCi/L	2.5	2.4	2.5	2.7	2.40	2.53	2.70	0.13	2.15	2.90
Dissolved Ra-228	pCi/L	1.5	2.1	3.3	3.3	1.50	2.55	3.30	0.90	ND	5.25
Dissolved Ra-226+Ra-228	pCi/L	4	4.5	5.8	6	4.00	5.08	6.00	0.98	2.14	8.01

¹ Less than values are denoted by a minus sign in front of the detection limit.

² When the mean minus three standard deviations is a negative value, ND is written for "not detected".

- Parameter value exceeds WDEQ-WQD Domestic Class-of-Use (Class I).**
- Parameter value exceeds WDEQ-WQD Agriculture Class-of-Use (Class II).**
- Parameter value exceeds WDEQ-WQD Livestock Class-of-Use (Class III).**
- Parameter value exceeds EPA MCL criterion.**

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/22/2009	5/6/2009	5/20/2009	6/3/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Total Alkalinity as CaCO ₃	mg/L	71	96	99	86	71.00	88.00	99.00	12.62	50.13	125.87
CO ₃	mg/L	2	5	1	-1	1.00	2.25	5.00	1.89	ND	7.93
HCO ₃	mg/L	82	107	119	105	82.00	103.25	119.00	15.46	56.88	149.62
Dissolved Calcium	mg/L	35	50	51	49	35.00	46.25	51.00	7.54	23.62	68.88
Total Chloride	mg/L	4	5	5	5	4.00	4.75	5.00	0.50	3.25	6.25
Dissolved Fluoride	mg/L	0.3	0.2	0.2	0.2	0.20	0.23	0.30	0.05	0.07	0.38
Dissolved Magnesium	mg/L	1	2	2	2	1.00	1.75	2.00	0.50	0.25	3.25
Total NH ₃ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved NO ₃ +NO ₂ -N	mg/L	0.14	0.13	0.17	0.15	0.13	0.15	0.17	0.02	0.10	0.20
Dissolved Potassium	mg/L	3	3	2	3	2.00	2.75	3.00	0.50	1.25	4.25
Dissolved SiO ₂	mg/L	12.2	13.4	11.9	14.1	11.90	12.90	14.10	1.03	9.81	15.99
Dissolved Sodium	mg/L	39	30	31	31	30.00	32.75	39.00	4.19	20.17	45.33
Total SO ₄	mg/L	98	108	114	116	98.00	109.00	116.00	8.08	84.75	133.25
Specific Conductance at 25 °C	µmhos/cm	362	432	438	428	362.00	415.00	438.00	35.57	308.29	521.71
Laboratory pH	SU	9	8.72	8.39	8.25	8.25	8.59	9.00	0.34	7.58	9.60
TDS Dried at 180 °C	mg/L	240	291	304	276	240.00	277.75	304.00	27.65	194.81	360.69
Dissolved Aluminum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Arsenic	mg/L	0.008	0.005	0.004	0.003	0.003	0.005	0.008	0.002	ND	0.01
Dissolved Barium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Boron	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Cadmium	mg/L	-0.005	-0.005	-0.005	-0.005	0.005	0.005	0.005	0.000	0.01	0.01
Dissolved Chromium	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Copper	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01
Dissolved Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Dissolved Lead	mg/L	-0.001	-0.001	-0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Manganese	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/22/2009	5/6/2009	5/20/2009	6/3/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Dissolved Mercury	mg/L	-0.001	-0.001	-0.001	-0.001	0.00100	0.00100	0.00100	0.00000	0.00	0.00
Dissolved Molybdenum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Nickel	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Selenium	mg/L	0.029	0.028	0.031	0.037	0.03	0.03	0.04	0.00	0.02	0.04
Dissolved Uranium	mg/L	0.262	0.353	0.371	0.359	0.26	0.34	0.37	0.05	0.19	0.49
Dissolved Vanadium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Zinc	mg/L	0.16	0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01
Total Iron	mg/L	-0.07	0.14	0.03	0.08	0.03	0.08	0.14	0.05	ND	0.22
Total Manganese	mg/L	-0.01	-0.01	-0.02	-0.01	0.01	0.01	0.02	0.01	ND	0.03
Gross Alpha	pCi/L	217	271	261	378	217.00	281.75	378.00	68.32	76.79	486.71
Gross Beta	pCi/L	81.9	221	160	122	81.90	146.23	221.00	59.18	ND	323.75
Dissolved Ra-226	pCi/L	2.2	5.4	5.5	4.9	2.20	4.50	5.50	1.56	ND	9.17
Dissolved Ra-228	pCi/L	1.5	1.3	2.4	3	1.30	2.05	3.00	0.79	ND	4.43
Dissolved Ra-226+Ra-228	pCi/L	3.7	6.7	7.9	7.9	3.70	6.55	7.90	1.98	0.60	12.50

¹ Less than values are denoted by a minus sign in front of the detection limit.

² When the mean minus three standard deviations is a negative value, ND is written for "not detected".

- Parameter value exceeds WDEQ-WQD Domestic Class-of-Use (Class I).
- Parameter value exceeds WDEQ-WQD Agriculture Class-of-Use (Class II).
- Parameter value exceeds WDEQ-WQD Livestock Class-of-Use (Class III).
- Parameter value exceeds EPA MCL criterion.
- Value is an outlier or calculation excludes outlier(s).

Outliers were identified based on the data from all MO wells, not on a well-by-well basis. Outlier identification is explained in Section 4.3.

Well MO-107

Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/22/2009	5/6/2009	5/20/2009	6/3/2009	Minimum	Mean	Maximum	Standard Deviation	Mean \pm 3 Standard Deviations ²	
Total Alkalinity as CaCO ₃	mg/L	105	103	103	104	103.00	103.75	105.00	0.96	100.88	106.62
CO ₃	mg/L	-1	-1	-1	-1	1.00	1.00	1.00	0.00	1.00	1.00
HCO ₃	mg/L	128	126	126	127	126.00	126.75	128.00	0.96	123.88	129.62
Dissolved Calcium	mg/L	52	56	57	57	52.00	55.50	57.00	2.38	48.36	62.64
Total Chloride	mg/L	5	4	4	5	4.00	4.50	5.00	0.58	2.77	6.23
Dissolved Fluoride	mg/L	0.2	0.2	0.2	0.2	0.20	0.20	0.20	0.00	0.20	0.20
Dissolved Magnesium	mg/L	3	3	2	3	2.00	2.75	3.00	0.50	1.25	4.25
Total NH ₃ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved NO ₃ +NO ₂ -N	mg/L	-0.05	0.06	0.08	0.08	0.05	0.07	0.08	0.02	0.02	0.11
Dissolved Potassium	mg/L	2	2	2	2	2.00	2.00	2.00	0.00	2.00	2.00
Dissolved SiO ₂	mg/L	13.1	14.3	12.1	14.3	12.10	13.45	14.30	1.06	10.26	16.64
Dissolved Sodium	mg/L	33	31	34	33	31.00	32.75	34.00	1.26	28.98	36.52
Total SO ₄	mg/L	115	114	118	116	114.00	115.75	118.00	1.71	110.63	120.87
Specific Conductance at 25 °C	µmhos/cm	458	459	439	456	439.00	453.00	459.00	9.42	424.75	481.25
Laboratory pH	SU	8.01	7.96	8.06	7.93	7.93	7.99	8.06	0.06	7.82	8.16
TDS Dried at 180 °C	mg/L	298	297	316	300	297.00	302.75	316.00	8.92	275.99	329.51
Dissolved Aluminum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Arsenic	mg/L	0.002	0.002	0.001	0.002	0.001	0.002	0.002	0.001	0.00	0.00
Dissolved Barium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Boron	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Cadmium	mg/L	-0.005	-0.005	-0.005	-0.005	0.005	0.005	0.005	0.000	0.01	0.01
Dissolved Chromium	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Copper	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01
Dissolved Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Dissolved Lead	mg/L	-0.001	-0.001	-0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Manganese	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/22/2009	5/6/2009	5/20/2009	6/3/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Dissolved Mercury	mg/L	-0.001	-0.001	-0.001	-0.001	0.00100	0.00100	0.00100	0.00000	0.00	0.00
Dissolved Molybdenum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Nickel	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Selenium	mg/L	0.012	0.02	0.02	0.022	0.01	0.02	0.02	0.00	0.01	0.03
Dissolved Uranium	mg/L	0.430	0.424	0.409	0.419	0.41	0.42	0.43	0.01	0.39	0.45
Dissolved Vanadium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Zinc	mg/L	0.02	-0.01	-0.01	-0.01	0.01	0.01	0.02	0.01	ND	0.03
Total Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Total Manganese	mg/L	0.01	-0.02	-0.02	-0.01	0.01	0.02	0.02	0.01	ND	0.03
Gross Alpha	pCi/L	383	326	343	408	326.00	365.00	408.00	37.32	253.04	476.96
Gross Beta	pCi/L	124	177	137	98.7	98.70	134.18	177.00	32.68	36.13	232.22
Dissolved Ra-226	pCi/L	8.1	6.4	5.9	5.1	5.10	6.38	8.10	1.27	2.57	10.18
Dissolved Ra-228	pCi/L	1.6	1.1	1.8	2	1.10	1.63	2.00	0.39	0.47	2.78
Dissolved Ra-226+Ra-228	pCi/L	9.7	7.5	7.7	7.1	7.10	8.00	9.70	1.16	4.52	11.48

¹ Less than values are denoted by a minus sign in front of the detection limit.

² When the mean minus three standard deviations is a negative value, ND is written for "not detected".

Parameter value exceeds WDEQ-WQD Domestic Class-of-Use (Class I).

Parameter value exceeds WDEQ-WQD Agriculture Class-of-Use (Class II).

Parameter value exceeds WDEQ-WQD Livestock Class-of-Use (Class III).

Parameter value exceeds EPA MCL criterion.

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/22/2009	5/6/2009	5/20/2009	6/3/2009	Minimum	Mean	Maximum	Standard Deviation	Mean \pm 3 Standard Deviations ²	
Total Alkalinity as CaCO ₃	mg/L	109	107	103	103	103.00	105.50	109.00	3.00	96.50	114.50
CO ₃	mg/L	-1	-1	-1	-1	1.00	1.00	1.00	0.00	1.00	1.00
HCO ₃	mg/L	134	130	125	126	125.00	128.75	134.00	4.11	116.41	141.09
Dissolved Calcium	mg/L	57	60	59	58	57.00	58.50	60.00	1.29	54.63	62.37
Total Chloride	mg/L	5	5	5	5	5.00	5.00	5.00	0.00	5.00	5.00
Dissolved Fluoride	mg/L	0.2	0.2	0.2	0.2	0.20	0.20	0.20	0.00	0.20	0.20
Dissolved Magnesium	mg/L	3	3	2	3	2.00	2.75	3.00	0.50	1.25	4.25
Total NH ₃ -N	mg/L	0.5	0.36	0.16	0.14	0.14	0.29	0.50	0.17	ND	0.80
Dissolved NO ₃ +NO ₂ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Potassium	mg/L	3	3	2	2	2.00	2.50	3.00	0.58	0.77	4.23
Dissolved SiO ₂	mg/L	13.9	14.9	12.3	14.1	12.30	13.80	14.90	1.09	10.53	17.07
Dissolved Sodium	mg/L	34	31	34	32	31.00	32.75	34.00	1.50	28.25	37.25
Total SO ₄	mg/L	120	119	126	127	119.00	123.00	127.00	4.08	110.75	135.25
Specific Conductance at 25 °C	µmhos/cm	480	471	457	473	457.00	470.25	480.00	9.64	441.33	499.17
Laboratory pH	SU	7.99	8.02	8.1	7.94	7.94	8.01	8.10	0.07	7.81	8.21
TDS Dried at 180 °C	mg/L	316	312	322	310	310.00	315.00	322.00	5.29	299.13	330.87
Dissolved Aluminum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Arsenic	mg/L	0.002	0.002	0.001	-0.001	0.001	0.002	0.002	0.001	ND	0.00
Dissolved Barium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Boron	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Cadmium	mg/L	-0.005	-0.005	-0.005	-0.005	0.005	0.005	0.005	0.000	0.01	0.01
Dissolved Chromium	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Copper	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01
Dissolved Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Dissolved Lead	mg/L	-0.001	-0.001	-0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Manganese	mg/L	-0.01	0.02	0.02	0.02	0.01	0.02	0.02	0.00	0.00	0.03

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/22/2009	5/6/2009	5/20/2009	6/3/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Dissolved Mercury	mg/L	-0.001	-0.001	-0.001	-0.001	0.00100	0.00100	0.00100	0.00000	0.00	0.00
Dissolved Molybdenum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Nickel	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Selenium	mg/L	0.003	0.005	0.005	0.005	0.00	0.00	0.01	0.00	0.00	0.01
Dissolved Uranium	mg/L	0.506	0.347	0.324	0.334	0.32	0.38	0.51	0.09	0.12	0.64
Dissolved Vanadium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Zinc	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01
Total Iron	mg/L	-0.07	-0.03	-0.03	-0.03	0.03	0.04	0.07	0.02	ND	0.10
Total Manganese	mg/L	-0.01	-0.02	0.02	0.02	0.01	0.02	0.02	0.00	0.00	0.03
Gross Alpha	pCi/L	402	302	397	290	290.00	347.75	402.00	59.99	167.78	527.72
Gross Beta	pCi/L	137	87.6	94.5	91.4	87.60	102.63	137.00	23.09	33.36	171.89
Dissolved Ra-226	pCi/L	8.7	4.7	4	3.4	3.40	5.20	8.70	2.39	ND	12.38
Dissolved Ra-228	pCi/L	2	1.9	2.5	4.7	1.90	2.78	4.70	1.31	ND	6.70
Dissolved Ra-226+Ra-228	pCi/L	10.7	6.6	6.5	8.1	6.50	7.98	10.70	1.96	2.10	13.85

¹ Less than values are denoted by a minus sign in front of the detection limit.

² When the mean minus three standard deviations is a negative value, ND is written for "not detected".

- Parameter value exceeds WDEQ-WQD Domestic Class-of-Use (Class I).**
- Parameter value exceeds WDEQ-WQD Agriculture Class-of-Use (Class II).**
- Parameter value exceeds WDEQ-WQD Livestock Class-of-Use (Class III).**
- Parameter value exceeds EPA MCL criterion.**

Well MO-109

Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/22/2009	5/6/2009	5/20/2009	6/3/2009	Minimum	Mean	Maximum	Standard Deviation	Mean \pm 3 Standard Deviations ²	
Total Alkalinity as CaCO ₃	mg/L	100	108	107	107	100.00	105.50	108.00	3.70	94.41	116.59
CO ₃	mg/L	-1	-1	-1	-1	1.00	1.00	1.00	0.00	1.00	1.00
HCO ₃	mg/L	123	131	130	131	123.00	128.75	131.00	3.86	117.16	140.34
Dissolved Calcium	mg/L	55	63	59	58	55.00	58.75	63.00	3.30	48.84	68.66
Total Chloride	mg/L	8	6	6	7	6.00	6.75	8.00	0.96	3.88	9.62
Dissolved Fluoride	mg/L	0.2	0.2	0.2	0.2	0.20	0.20	0.20	0.00	0.20	0.20
Dissolved Magnesium	mg/L	3	3	3	3	3.00	3.00	3.00	0.00	3.00	3.00
Total NH ₃ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved NO ₃ +NO ₂ -N	mg/L	0.16	0.17	0.19	0.18	0.16	0.18	0.19	0.01	0.14	0.21
Dissolved Potassium	mg/L	5	3	3	3	3.00	3.50	5.00	1.00	0.50	6.50
Dissolved SiO ₂	mg/L	14.1	15.5	12.6	14.8	12.60	14.25	15.50	1.24	10.53	17.97
Dissolved Sodium	mg/L	33	29	31	30	29.00	30.75	33.00	1.71	25.63	35.87
Total SO ₄	mg/L	120	122	126	124	120.00	123.00	126.00	2.58	115.25	130.75
Specific Conductance at 25 °C	µmhos/cm	479	484	468	481	468.00	478.00	484.00	6.98	457.07	498.93
Laboratory pH	SU	7.65	7.9	8.1	7.93	7.65	7.90	8.10	0.19	7.34	8.45
TDS Dried at 180 °C	mg/L	310	324	335	318	310.00	321.75	335.00	10.53	290.15	353.35
Dissolved Aluminum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Arsenic	mg/L	-0.001	-0.001	-0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Barium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Boron	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Cadmium	mg/L	-0.005	-0.005	-0.005	-0.005	0.005	0.005	0.005	0.000	0.01	0.01
Dissolved Chromium	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Copper	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01
Dissolved Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Dissolved Lead	mg/L	-0.001	-0.001	-0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Manganese	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/22/2009	5/6/2009	5/20/2009	6/3/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Dissolved Mercury	mg/L	-0.001	-0.001	-0.001	-0.001	0.00100	0.00100	0.00100	0.00000	0.00	0.00
Dissolved Molybdenum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Nickel	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Selenium	mg/L	0.025	0.026	0.025	0.027	0.03	0.03	0.03	0.00	0.02	0.03
Dissolved Uranium	mg/L	0.378	0.418	0.399	0.397	0.38	0.40	0.42	0.02	0.35	0.45
Dissolved Vanadium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Zinc	mg/L	0.02	-0.01	0.01	-0.01	0.01	0.01	0.02	0.01	ND	0.03
Total Iron	mg/L	-0.07	-0.03	-0.03	-0.03	0.03	0.04	0.07	0.02	ND	0.10
Total Manganese	mg/L	-0.01	-0.02	-0.02	-0.01	0.01	0.02	0.02	0.01	ND	0.03
Gross Alpha	pCi/L	371	424	481	443	371.00	429.75	481.00	45.78	292.42	567.08
Gross Beta	pCi/L	116	169	122	122	116.00	132.25	169.00	24.66	58.26	206.24
Dissolved Ra-226	pCi/L	4	3.9	3.1	2.8	2.80	3.45	4.00	0.59	1.68	5.22
Dissolved Ra-228	pCi/L	2.5	2.6	3.7	3.9	2.50	3.18	3.90	0.73	0.99	5.36
Dissolved Ra-226+Ra-228	pCi/L	6.5	6.5	6.8	6.7	6.50	6.63	6.80	0.15	6.18	7.07

¹ Less than values are denoted by a minus sign in front of the detection limit.

² When the mean minus three standard deviations is a negative value, ND is written for "not detected".

Parameter value exceeds WDEQ-WQD Domestic Class-of-Use (Class I).

Parameter value exceeds WDEQ-WQD Agriculture Class-of-Use (Class II).

Parameter value exceeds WDEQ-WQD Livestock Class-of-Use (Class III).

Parameter value exceeds EPA MCL criterion.

Well MO-110

Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/21/2009	5/5/2009	5/19/2009	6/2/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Total Alkalinity as CaCO ₃	mg/L	87	92	95	96	87.00	92.50	96.00	4.04	80.38	104.62
CO ₃	mg/L	8	6	-1	-1	1.00	4.00	8.00	3.56	ND	14.68
HCO ₃	mg/L	89	101	115	117	89.00	105.50	117.00	13.10	66.19	144.81
Dissolved Calcium	mg/L	45	45	47	47	45.00	46.00	47.00	1.15	42.54	49.46
Total Chloride	mg/L	7	7	7	8	7.00	7.25	8.00	0.50	5.75	8.75
Dissolved Fluoride	mg/L	0.2	0.2	0.2	0.2	0.20	0.20	0.20	0.00	0.20	0.20
Dissolved Magnesium	mg/L	-1	1	1	1	1.00	1.00	1.00	0.00	1.00	1.00
Total NH ₃ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved NO ₃ +NO ₂ -N	mg/L	0.16	0.13	0.13	0.13	0.13	0.14	0.16	0.01	0.09	0.18
Dissolved Potassium	mg/L	5	4	4	3	3.00	4.00	5.00	0.82	1.55	6.45
Dissolved SiO ₂	mg/L	12.7	12.6	11.7	13.6	11.70	12.65	13.60	0.78	10.32	14.98
Dissolved Sodium	mg/L	35	33	33	31	31.00	33.00	35.00	1.63	28.10	37.90
Total SO ₄	mg/L	98	96	99	101	96.00	98.50	101.00	2.08	92.26	104.74
Specific Conductance at 25 °C	µmhos/cm	398	417	398	421	398.00	408.50	421.00	12.23	371.80	445.20
Laboratory pH	SU	9.16	8.78	8.57	8.06	8.06	8.64	9.16	0.46	7.27	10.02
TDS Dried at 180 °C	mg/L	264	258	283	285	258.00	272.50	285.00	13.53	231.92	313.08
Dissolved Aluminum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Arsenic	mg/L	0.003	0.002	0.002	0.001	0.001	0.002	0.003	0.001	ND	0.00
Dissolved Barium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Boron	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Cadmium	mg/L	-0.005	-0.005	-0.005	-0.005	0.005	0.005	0.005	0.000	0.01	0.01
Dissolved Chromium	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Copper	mg/L	-0.02	-0.01	-0.01	-0.01	0.01	0.01	0.02	0.01	ND	0.03
Dissolved Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Dissolved Lead	mg/L	0.002	0.002	0.002	0.001	0.001	0.002	0.002	0.001	0.00	0.00
Dissolved Manganese	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/21/2009	5/5/2009	5/19/2009	6/2/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Dissolved Mercury	mg/L	-0.001	-0.001	-0.001	-0.001	0.00100	0.00100	0.00100	0.00000	0.00	0.00
Dissolved Molybdenum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Nickel	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Selenium	mg/L	0.02	0.021	0.019	0.019	0.02	0.02	0.02	0.00	0.02	0.02
Dissolved Uranium	mg/L	0.266	0.313	0.302	0.294	0.27	0.29	0.31	0.02	0.23	0.35
Dissolved Vanadium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Zinc	mg/L	0.05	-0.01	0.04	-0.01	0.01	0.03	0.05	0.02	ND	0.09
Total Iron	mg/L	-0.03	-0.07	-0.03	-0.07	0.03	0.05	0.07	0.02	ND	0.12
Total Manganese	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01
Gross Alpha	pCi/L	234	294	319	385	234.00	308.00	385.00	62.51	120.47	495.53
Gross Beta	pCi/L	80.3	89.2	98.8	96.7	80.30	91.25	98.80	8.38	66.10	116.40
Dissolved Ra-226	pCi/L	2.4	3.1	2.5	2.6	2.40	2.65	3.10	0.31	1.72	3.58
Dissolved Ra-228	pCi/L	1.2	7	2.5	4.2	1.20	3.73	7.00	2.51	ND	11.24
Dissolved Ra-226+Ra-228	pCi/L	3.6	10.1	5	6.8	3.60	6.38	10.10	2.81	ND	14.80

¹ Less than values are denoted by a minus sign in front of the detection limit.

² When the mean minus three standard deviations is a negative value, ND is written for "not detected".

- Parameter value exceeds WDEQ-WQD Domestic Class-of-Use (Class I).**
- Parameter value exceeds WDEQ-WQD Agriculture Class-of-Use (Class II).**
- Parameter value exceeds WDEQ-WQD Livestock Class-of-Use (Class III).**
- Parameter value exceeds EPA MCL criterion.**

Well MO-111

Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		5/5/2009	5/19/2009	6/2/2009	11/18/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Total Alkalinity as CaCO ₃	mg/L	101	91	98	105	91.00	98.75	105.00	5.91	81.02	116.48
CO ₃	mg/L	5	-1	-1	-5	1.00	3.00	5.00	2.31	ND	9.93
HCO ₃	mg/L	113	111	120	128	111.00	118.00	128.00	7.70	94.89	141.11
Dissolved Calcium	mg/L	51	45	46	49	45.00	47.75	51.00	2.75	39.49	56.01
Total Chloride	mg/L	5	6	6	5	5.00	5.50	6.00	0.58	3.77	7.23
Dissolved Fluoride	mg/L	0.1	0.2	0.2	0.2	0.10	0.18	0.20	0.05	0.02	0.33
Dissolved Magnesium	mg/L	2	2	2	2	2.00	2.00	2.00	0.00	2.00	2.00
Total NH ₃ -N	mg/L	0.06	-0.05	-0.05	-0.05	0.05	0.05	0.06	0.01	0.04	0.07
Dissolved NO ₃ +NO ₂ -N	mg/L	-0.05	0.16	0.16	0.2	0.05	0.14	0.20	0.06	ND	0.34
Dissolved Potassium	mg/L	8	3	2	2	2.00	2.50	3.00	0.71	0.37	4.63
Dissolved SiO ₂	mg/L	13.4	12.7	14.8	14.4	12.70	13.83	14.80	0.95	10.96	16.69
Dissolved Sodium	mg/L	33	31	31	32	31.00	31.75	33.00	0.96	28.88	34.62
Total SO ₄	mg/L	126	94	96	97	94.00	103.25	126.00	15.22	57.60	148.90
Specific Conductance at 25 °C	µmhos/cm	499	380	408	415	380.00	425.50	499.00	51.28	271.66	579.34
Laboratory pH	SU	8.73	8.15	7.81	7.92	7.81	8.15	8.73	0.41	6.92	9.38
TDS Dried at 180 °C	mg/L	310	265	261	246	246.00	270.50	310.00	27.57	187.78	353.22
Dissolved Aluminum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Arsenic	mg/L	0.011	0.002	0.001	-0.001	0.001	0.002	0.002	0.001	ND	0.01
Dissolved Barium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Boron	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Cadmium	mg/L	-0.005	-0.005	-0.005	-0.005	0.005	0.005	0.005	0.000	0.01	0.01
Dissolved Chromium	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Copper	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01
Dissolved Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Dissolved Lead	mg/L	-0.001	-0.001	-0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Manganese	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		5/5/2009	5/19/2009	6/2/2009	11/18/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Dissolved Mercury	mg/L	-0.001	-0.001	-0.001	-0.001	0.00100	0.00100	0.00100	0.00000	0.00	0.00
Dissolved Molybdenum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Nickel	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Selenium	mg/L	-0.001	0.021	0.022	0.027	0.00	0.02	0.03	0.01	ND	0.05
Dissolved Uranium	mg/L	0.424	0.288	0.369	0.320	0.29	0.35	0.42	0.06	0.17	0.53
Dissolved Vanadium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Zinc	mg/L	0.01	0.06	-0.01	-0.01	0.01	0.02	0.06	0.03	ND	0.10
Total Iron	mg/L	-0.07	-0.03	-0.07	-0.03	0.03	0.05	0.07	0.02	ND	0.12
Total Manganese	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01
Gross Alpha	pCi/L	1060	298	439	372	298.00	368.50	439.00	99.70	69.40	667.60
Gross Beta	pCi/L	544	136	138	101	136.00	137.00	138.00	1.41	132.77	141.23
Dissolved Ra-226	pCi/L	360	5.5	6.2	6.6	5.50	5.85	6.20	0.49	4.38	7.32
Dissolved Ra-228	pCi/L	5.1	2.5	1.4	2	1.40	2.75	5.10	1.63	ND	7.64
Dissolved Ra-226+Ra-228	pCi/L	5.1	8	7.6	8.6	5.10	7.33	8.60	1.54	2.71	11.94

¹ Less than values are denoted by a minus sign in front of the detection limit.

² When the mean minus three standard deviations is a negative value, ND is written for "not detected".

- Parameter value exceeds WDEQ-WQD Domestic Class-of-Use (Class I).
- Parameter value exceeds WDEQ-WQD Agriculture Class-of-Use (Class II).
- Parameter value exceeds WDEQ-WQD Livestock Class-of-Use (Class III).
- Parameter value exceeds EPA MCL criterion.
- Value is an outlier or calculation excludes outlier(s).

Outliers were identified based on the data from all MO wells, not on a well-by-well basis. Outlier identification is explained in Section 4.3.

Well MO-112

Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/21/2009	5/5/2009	5/19/2009	6/2/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Total Alkalinity as CaCO ₃	mg/L	36	43	73	70	36.00	55.50	73.00	18.73	ND	111.70
CO ₃	mg/L	9	6	4	4	4.00	5.75	9.00	2.36	ND	12.84
HCO ₃	mg/L	26	41	81	78	26.00	56.50	81.00	27.28	ND	138.35
Dissolved Calcium	mg/L	26	30	38	42	26.00	34.00	42.00	7.30	12.09	55.91
Total Chloride	mg/L	10	9	7	7	7.00	8.25	10.00	1.50	3.75	12.75
Dissolved Fluoride	mg/L	0.3	0.2	0.2	0.2	0.20	0.23	0.30	0.05	0.07	0.38
Dissolved Magnesium	mg/L	1	2	2	2	1.00	1.75	2.00	0.50	0.25	3.25
Total NH ₃ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved NO ₃ +NO ₂ -N	mg/L	0.3	0.31	0.33	0.33	0.30	0.32	0.33	0.02	0.27	0.36
Dissolved Potassium	mg/L	3	2	2	2	2.00	2.25	3.00	0.50	0.75	3.75
Dissolved SiO ₂	mg/L	15.6	14.9	14.2	17.5	14.20	15.55	17.50	1.42	11.29	19.81
Dissolved Sodium	mg/L	29	27	26	29	26.00	27.75	29.00	1.50	23.25	32.25
Total SO ₄	mg/L	82	87	82	83	82.00	83.50	87.00	2.38	76.36	90.64
Specific Conductance at 25 °C	µmhos/cm	307	322	329	347	307.00	326.25	347.00	16.60	276.45	376.05
Laboratory pH	SU	9.69	9.36	8.88	8.75	8.75	9.17	9.69	0.43	7.87	10.47
TDS Dried at 180 °C	mg/L	214	205	229	218	205.00	216.50	229.00	9.95	186.65	246.35
Dissolved Aluminum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Arsenic	mg/L	0.002	0.002	-0.001	-0.001	0.001	0.002	0.002	0.001	ND	0.00
Dissolved Barium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Boron	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Cadmium	mg/L	-0.005	-0.005	-0.005	-0.005	0.005	0.005	0.005	0.000	0.01	0.01
Dissolved Chromium	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Copper	mg/L	-0.02	-0.01	-0.01	-0.01	0.01	0.01	0.02	0.01	ND	0.03
Dissolved Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Dissolved Lead	mg/L	-0.001	-0.001	-0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Manganese	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/21/2009	5/5/2009	5/19/2009	6/2/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Dissolved Mercury	mg/L	-0.001	-0.001	-0.001	-0.001	0.00100	0.00100	0.00100	0.00000	0.00	0.00
Dissolved Molybdenum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Nickel	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Selenium	mg/L	0.03	0.03	0.03	0.032	0.03	0.03	0.03	0.00	0.03	0.03
Dissolved Uranium	mg/L	0.132	0.146	0.312	0.331	0.13	0.23	0.33	0.11	ND	0.55
Dissolved Vanadium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Zinc	mg/L	0.04	-0.01	-0.01	-0.01	0.01	0.02	0.04	0.02	ND	0.06
Total Iron	mg/L	-0.03	-0.07	-0.03	-0.07	0.03	0.05	0.07	0.02	ND	0.12
Total Manganese	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01
Gross Alpha	pCi/L	137	148	287	334	137.00	226.50	334.00	98.98	ND	523.43
Gross Beta	pCi/L	53.1	56.8	110	94.6	53.10	78.63	110.00	28.09	ND	162.90
Dissolved Ra-226	pCi/L	1.4	0.74	1.3	1	0.74	1.11	1.40	0.30	0.21	2.01
Dissolved Ra-228	pCi/L	0.8	0.6	0.7	0.4	0.40	0.63	0.80	0.17	0.11	1.14
Dissolved Ra-226+Ra-228	pCi/L	2.2	1.34	2	1.4	1.34	1.74	2.20	0.43	0.44	3.03

¹ Less than values are denoted by a minus sign in front of the detection limit.

² When the mean minus three standard deviations is a negative value, ND is written for "not detected".

Parameter value exceeds WDEQ-WQD Domestic Class-of-Use (Class I).

Parameter value exceeds WDEQ-WQD Agriculture Class-of-Use (Class II).

Parameter value exceeds WDEQ-WQD Livestock Class-of-Use (Class III).

Parameter value exceeds EPA MCL criterion.

Well MO-113

Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/21/2009	5/5/2009	5/19/2009	6/2/2009	Minimum	Mean	Maximum	Standard Deviation	Mean \pm 3 Standard Deviations ²	
Total Alkalinity as CaCO ₃	mg/L	102	104	104	105	102.00	103.75	105.00	1.26	99.98	107.52
CO ₃	mg/L	-1	-1	-1	-1	1.00	1.00	1.00	0.00	1.00	1.00
HCO ₃	mg/L	125	126	127	129	125.00	126.75	129.00	1.71	121.63	131.87
Dissolved Calcium	mg/L	53	49	50	56	49.00	52.00	56.00	3.16	42.51	61.49
Total Chloride	mg/L	7	7	6	6	6.00	6.50	7.00	0.58	4.77	8.23
Dissolved Fluoride	mg/L	0.2	0.2	0.2	0.2	0.20	0.20	0.20	0.00	0.20	0.20
Dissolved Magnesium	mg/L	3	3	3	2	2.00	2.75	3.00	0.50	1.25	4.25
Total NH ₃ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved NO ₃ +NO ₂ -N	mg/L	0.17	0.16	0.15	0.17	0.15	0.16	0.17	0.01	0.13	0.19
Dissolved Potassium	mg/L	2	2	2	2	2.00	2.00	2.00	0.00	2.00	2.00
Dissolved SiO ₂	mg/L	15.5	14.5	13.1	15.6	13.10	14.68	15.60	1.16	11.19	18.16
Dissolved Sodium	mg/L	31	29	30	32	29.00	30.50	32.00	1.29	26.63	34.37
Total SO ₄	mg/L	103	102	101	106	101.00	103.00	106.00	2.16	96.52	109.48
Specific Conductance at 25 °C	µmhos/cm	432	446	418	436	418.00	433.00	446.00	11.60	398.19	467.81
Laboratory pH	SU	8.08	8.22	8.1	7.85	7.85	8.06	8.22	0.15	7.60	8.53
TDS Dried at 180 °C	mg/L	292	292	299	273	273.00	289.00	299.00	11.17	255.50	322.50
Dissolved Aluminum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Arsenic	mg/L	-0.001	-0.001	-0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Barium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Boron	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Cadmium	mg/L	-0.005	-0.005	-0.005	-0.005	0.005	0.005	0.005	0.000	0.01	0.01
Dissolved Chromium	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Copper	mg/L	-0.02	-0.01	-0.01	-0.01	0.01	0.01	0.02	0.01	ND	0.03
Dissolved Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Dissolved Lead	mg/L	-0.001	-0.001	-0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Manganese	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/21/2009	5/5/2009	5/19/2009	6/2/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Dissolved Mercury	mg/L	-0.001	-0.001	-0.001	-0.001	0.00100	0.00100	0.00100	0.00000	0.00	0.00
Dissolved Molybdenum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Nickel	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Selenium	mg/L	0.04	0.043	0.04	0.042	0.04	0.04	0.04	0.00	0.04	0.05
Dissolved Uranium	mg/L	0.609	0.629	0.581	0.641	0.58	0.62	0.64	0.03	0.54	0.69
Dissolved Vanadium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Zinc	mg/L	0.06	-0.01	-0.01	-0.01	0.01	0.02	0.06	0.03	ND	0.10
Total Iron	mg/L	-0.03	-0.07	-0.03	-0.07	0.03	0.05	0.07	0.02	ND	0.12
Total Manganese	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01
Gross Alpha	pCi/L	490	612	568	587	490.00	564.25	612.00	52.68	406.22	722.28
Gross Beta	pCi/L	213	237	175	202	175.00	206.75	237.00	25.72	129.59	283.91
Dissolved Ra-226	pCi/L	37	34	37	38	34.00	36.50	38.00	1.73	31.30	41.70
Dissolved Ra-228	pCi/L	1.4	1.9	1.5	2.9	1.40	1.93	2.90	0.68	ND	3.98
Dissolved Ra-226+Ra-228	pCi/L	38.4	35.9	38.5	40.9	35.90	38.43	40.90	2.04	32.30	44.55

¹ Less than values are denoted by a minus sign in front of the detection limit.

² When the mean minus three standard deviations is a negative value, ND is written for "not detected".

- Parameter value exceeds WDEQ-WQD Domestic Class-of-Use (Class I).
- Parameter value exceeds WDEQ-WQD Agriculture Class-of-Use (Class II).
- Parameter value exceeds WDEQ-WQD Livestock Class-of-Use (Class III).
- Parameter value exceeds EPA MCL criterion.

Well MO-114

Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		12/1/2009	12/16/2009	1/14/2010	2/3/2010	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Total Alkalinity as CaCO ₃	mg/L	106	107	110	111	106.00	108.50	111.00	2.38	101.36	115.64
CO ₃	mg/L	-5	-5	-5	-5	5.00	5.00	5.00	0.00	5.00	5.00
HCO ₃	mg/L	129	130	134	136	129.00	132.25	136.00	3.30	122.34	142.16
Dissolved Calcium	mg/L	72	68	77	68	68.00	71.25	77.00	4.27	58.43	84.07
Total Chloride	mg/L	7	6	6	6	6.00	6.25	7.00	0.50	4.75	7.75
Dissolved Fluoride	mg/L	0.2	0.2	0.2	0.2	0.20	0.20	0.20	0.00	0.20	0.20
Dissolved Magnesium	mg/L	3	3	3	3	3.00	3.00	3.00	0.00	3.00	3.00
Total NH ₃ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved NO ₃ +NO ₂ -N	mg/L	-0.1	-0.1	-0.1	0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Potassium	mg/L	4	4	3	3	3.00	3.50	4.00	0.58	1.77	5.23
Dissolved SiO ₂	mg/L	16.7	15.5	16.2	14.1	14.10	15.63	16.70	1.13	12.24	19.01
Dissolved Sodium	mg/L	33	31	33	30	30.00	31.75	33.00	1.50	27.25	36.25
Total S ₀₄	mg/L	165	159	160	160	159.00	161.00	165.00	2.71	152.88	169.12
Specific Conductance at 25 °C	µmhos/cm	534	537	536	538	534.00	536.25	538.00	1.71	531.13	541.37
Laboratory pH	SU	8.19	8.17	7.95	8.05	7.95	8.09	8.19	0.11	7.75	8.43
TDS Dried at 180 °C	mg/L	366	357	366	384	357.00	368.25	384.00	11.32	334.28	402.22
Dissolved Aluminum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Arsenic	mg/L	0.001	0.001	-0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Barium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Boron	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Cadmium	mg/L	-0.005	-0.005	-0.005	-0.005	0.005	0.005	0.005	0.000	0.01	0.01
Dissolved Chromium	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Copper	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01
Dissolved Iron	mg/L	-0.03	-0.03	-0.03	0.1	0.03	0.05	0.10	0.04	ND	0.15
Dissolved Lead	mg/L	-0.001	-0.001	-0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Manganese	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		12/1/2009	12/16/2009	1/14/2010	2/3/2010	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Dissolved Mercury	mg/L	-0.001	-0.001	-0.001	-0.001	0.00100	0.00100	0.00100	0.00000	0.00	0.00
Dissolved Molybdenum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Nickel	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Selenium	mg/L	0.019	0.021	0.018	0.017	0.02	0.02	0.02	0.00	0.01	0.02
Dissolved Uranium	mg/L	0.408	0.405	0.409	0.383	0.38	0.40	0.41	0.01	0.36	0.44
Dissolved Vanadium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Zinc	mg/L	-0.01	-0.01	0.02	-0.01	0.01	0.01	0.02	0.01	ND	0.03
Total Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Total Manganese	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01
Gross Alpha	pCi/L	361	335	346	528	335.00	392.50	528.00	90.96	119.62	665.38
Gross Beta	pCi/L	118	90.6	112	139	90.60	114.90	139.00	19.91	55.17	174.63
Dissolved Ra-226	pCi/L	2.4	2.7	2.6	2.7	2.40	2.60	2.70	0.14	2.18	3.02
Dissolved Ra-228	pCi/L	3.3	3.7	3.6	4.4	3.30	3.75	4.40	0.47	2.35	5.15
Dissolved Ra-226+Ra-228	pCi/L	5.7	6.4	6.2	7.1	5.70	6.35	7.10	0.58	4.61	8.09

¹ Less than values are denoted by a minus sign in front of the detection limit.

² When the mean minus three standard deviations is a negative value, ND is written for "not detected".

Parameter value exceeds WDEQ-WQD Domestic Class-of-Use (Class I).

Parameter value exceeds WDEQ-WQD Agriculture Class-of-Use (Class II).

Parameter value exceeds WDEQ-WQD Livestock Class-of-Use (Class III).

Parameter value exceeds EPA MCL criterion.

Well MU-101

Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/23/2009	5/7/2009	5/21/2009	6/4/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Total Alkalinity as CaCO ₃	mg/L	89	109	112	112	89.00	105.50	112.00	11.09	72.23	138.77
CO ₃	mg/L	5	7	6	2	2.00	5.00	7.00	2.16	ND	11.48
HCO ₃	mg/L	98	119	125	134	98.00	119.00	134.00	15.30	73.11	164.89
Dissolved Calcium	mg/L	54	63	69	64	54.00	62.50	69.00	6.24	43.77	81.23
Total Chloride	mg/L	5	5	5	5	5.00	5.00	5.00	0.00	5.00	5.00
Dissolved Fluoride	mg/L	0.1	0.1	0.1	0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Magnesium	mg/L	1	2	2	2	1.00	1.75	2.00	0.50	0.25	3.25
Total NH ₃ -N	mg/L	0.11	0.09	0.08	0.05	0.05	0.08	0.11	0.03	0.01	0.16
Dissolved NO ₃ +NO ₂ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Potassium	mg/L	15	10	8	6	6.00	9.75	15.00	3.86	ND	21.34
Dissolved SiO ₂	mg/L	14.9	15.2	17.1	16.8	14.90	16.00	17.10	1.11	12.67	19.33
Dissolved Sodium	mg/L	31	30	28	29	28.00	29.50	31.00	1.29	25.63	33.37
Total SO ₄	mg/L	143	147	147	141	141.00	144.50	147.00	3.00	135.50	153.50
Specific Conductance at 25 °C	µmhos/cm	521	519	503	522	503.00	516.25	522.00	8.92	489.49	543.01
Laboratory pH	SU	9.08	8.83	8.77	8.59	8.59	8.82	9.08	0.20	8.21	9.43
TDS Dried at 180 °C	mg/L	340	365	391	365	340.00	365.25	391.00	20.82	302.78	427.72
Dissolved Aluminum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Arsenic	mg/L	0.004	0.003	0.003	0.002	0.002	0.003	0.004	0.001	0.00	0.01
Dissolved Barium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Boron	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Cadmium	mg/L	-0.005	-0.005	-0.005	-0.005	0.005	0.005	0.005	0.000	0.01	0.01
Dissolved Chromium	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Copper	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01
Dissolved Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Dissolved Lead	mg/L	-0.001	-0.001	-0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Manganese	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01

Well MU-101

Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/23/2009	5/7/2009	5/21/2009	6/4/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Dissolved Mercury	mg/L	-0.001	-0.001	-0.001	-0.001	0.00100	0.00100	0.00100	0.00000	0.00	0.00
Dissolved Molybdenum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Nickel	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Selenium	mg/L	-0.001	-0.001	-0.001	-0.001	0.00	0.00	0.00	0.00	0.00	0.00
Dissolved Uranium	mg/L	0.009	0.007	0.008	0.007	0.01	0.01	0.01	0.00	0.00	0.01
Dissolved Vanadium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Zinc	mg/L	0.03	-0.01	-0.01	-0.01	0.01	0.02	0.03	0.01	ND	0.05
Total Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Total Manganese	mg/L	-0.01	-0.02	-0.01	-0.01	0.01	0.01	0.02	0.01	ND	0.03
Gross Alpha	pCi/L	33	32.9	38.4	38.7	32.90	35.75	38.70	3.24	26.04	45.46
Gross Beta	pCi/L	26.2	24	21.2	16.2	16.20	21.90	26.20	4.32	8.95	34.85
Dissolved Ra-226	pCi/L	10	9.3	9.8	9.9	9.30	9.75	10.00	0.31	8.82	10.68
Dissolved Ra-228	pCi/L	5.8	4.7	4.6	4.7	4.60	4.95	5.80	0.57	3.24	6.66
Dissolved Ra-226+Ra-228	pCi/L	15.8	14	14.4	14.6	14.00	14.70	15.80	0.77	12.38	17.02

¹ Less than values are denoted by a minus sign in front of the detection limit.

² When the mean minus three standard deviations is a negative value, ND is written for "not detected".

Parameter value exceeds WDEQ-WQD Domestic Class-of-Use (Class I).

Parameter value exceeds WDEQ-WQD Agriculture Class-of-Use (Class II).

Parameter value exceeds WDEQ-WQD Livestock Class-of-Use (Class III).

Parameter value exceeds EPA MCL criterion.

Well MU-102

Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/23/2009	5/7/2009	5/21/2009	6/4/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Total Alkalinity as CaCO ₃	mg/L	101	100	102	102	100.00	101.25	102.00	0.96	98.38	104.12
CO ₃	mg/L	8	5	-1	-1	1.00	3.75	8.00	3.40	ND	13.96
HCO ₃	mg/L	107	112	125	125	107.00	117.25	125.00	9.18	89.71	144.79
Dissolved Calcium	mg/L	47	50	52	49	47.00	49.50	52.00	2.08	43.26	55.74
Total Chloride	mg/L	4	4	4	4	4.00	4.00	4.00	0.00	4.00	4.00
Dissolved Fluoride	mg/L	0.2	0.2	0.2	0.1	0.10	0.18	0.20	0.05	0.02	0.33
Dissolved Magnesium	mg/L	1	1	2	2	1.00	1.50	2.00	0.58	ND	3.23
Total NH ₃ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved NO ₃ +NO ₂ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Potassium	mg/L	3	3	3	2	2.00	2.75	3.00	0.50	1.25	4.25
Dissolved SiO ₂	mg/L	13.7	15.9	16.8	16	13.70	15.60	16.80	1.33	11.61	19.59
Dissolved Sodium	mg/L	28	28	26	24	24.00	26.50	28.00	1.91	20.76	32.24
Total SO ₄	mg/L	92	95	95	92	92.00	93.50	95.00	1.73	88.30	98.70
Specific Conductance at 25 °C	µmhos/cm	392	404	384	407	384.00	396.75	407.00	10.69	364.68	428.82
Laboratory pH	SU	8.82	8.63	8.44	8.3	8.30	8.55	8.82	0.23	7.87	9.23
TDS Dried at 180 °C	mg/L	268	280	293	276	268.00	279.25	293.00	10.44	247.94	310.56
Dissolved Aluminum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Arsenic	mg/L	0.003	0.002	0.002	0.001	0.001	0.002	0.003	0.001	ND	0.00
Dissolved Barium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Boron	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Cadmium	mg/L	-0.005	-0.005	-0.005	-0.005	0.005	0.005	0.005	0.000	0.01	0.01
Dissolved Chromium	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Copper	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01
Dissolved Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Dissolved Lead	mg/L	-0.001	-0.001	-0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Manganese	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/23/2009	5/7/2009	5/21/2009	6/4/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Dissolved Mercury	mg/L	-0.001	-0.001	-0.001	-0.001	0.00100	0.00100	0.00100	0.00000	0.00	0.00
Dissolved Molybdenum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Nickel	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Selenium	mg/L	-0.001	-0.001	-0.001	-0.001	0.00	0.00	0.00	0.00	0.00	0.00
Dissolved Uranium	mg/L	0.010	0.010	0.010	0.010	0.01	0.01	0.01	0.00	0.01	0.01
Dissolved Vanadium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Zinc	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01
Total Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Total Manganese	mg/L	-0.01	-0.02	-0.01	-0.01	0.01	0.01	0.02	0.01	ND	0.03
Gross Alpha	pCi/L	32.8	29.2	27.3	30.7	27.30	30.00	32.80	2.33	23.02	36.98
Gross Beta	pCi/L	13.3	15.5	10	15.8	10.00	13.65	15.80	2.68	5.62	21.68
Dissolved Ra-226	pCi/L	4.2	3.7	4.8	4.9	3.70	4.40	4.90	0.56	2.72	6.08
Dissolved Ra-228	pCi/L	3.9	3.3	3	3.5	3.00	3.43	3.90	0.38	2.29	4.56
Dissolved Ra-226+Ra-228	pCi/L	8.1	7	7.8	8.4	7.00	7.83	8.40	0.60	6.02	9.63

¹ Less than values are denoted by a minus sign in front of the detection limit.

² When the mean minus three standard deviations is a negative value, ND is written for "not detected".

Parameter value exceeds WDEQ-WQD Domestic Class-of-Use (Class I).

Parameter value exceeds WDEQ-WQD Agriculture Class-of-Use (Class II).

Parameter value exceeds WDEQ-WQD Livestock Class-of-Use (Class III).

Parameter value exceeds EPA MCL criterion.

Well MU-103

Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/23/2009	5/7/2009	5/21/2009	6/4/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Total Alkalinity as CaCO ₃	mg/L	77	83	97	92	77.00	87.25	97.00	8.96	60.38	114.12
CO ₃	mg/L	5	-1	-1	-1	1.00	2.00	5.00	2.00	ND	8.00
HCO ₃	mg/L	85	101	118	112	85.00	104.00	118.00	14.49	60.53	147.47
Dissolved Calcium	mg/L	40	45	48	45	40.00	44.50	48.00	3.32	34.55	54.45
Total Chloride	mg/L	4	4	4	4	4.00	4.00	4.00	0.00	4.00	4.00
Dissolved Fluoride	mg/L	0.2	0.2	0.1	0.1	0.10	0.15	0.20	0.06	ND	0.32
Dissolved Magnesium	mg/L	1	2	2	2	1.00	1.75	2.00	0.50	0.25	3.25
Total NH ₃ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved NO ₃ +NO ₂ -N	mg/L	-0.05	-0.05	0.2	-0.05	0.05	0.09	0.20	0.08	ND	0.31
Dissolved Potassium	mg/L	3	3	3	2	2.00	2.75	3.00	0.50	1.25	4.25
Dissolved SiO ₂	mg/L	14.3	14.8	15.6	15.9	14.30	15.15	15.90	0.73	12.95	17.35
Dissolved Sodium	mg/L	26	27	30	24	24.00	26.75	30.00	2.50	19.25	34.25
Total SO ₄	mg/L	90	92	101	90	90.00	93.25	101.00	5.25	77.49	109.01
Specific Conductance at 25 °C	µmhos/cm	358	372	389	385	358.00	376.00	389.00	14.02	333.93	418.07
Laboratory pH	SU	8.84	8.42	8.45	8.17	8.17	8.47	8.84	0.28	7.64	9.30
TDS Dried at 180 °C	mg/L	244	273	277	290	244.00	271.00	290.00	19.41	212.78	329.22
Dissolved Aluminum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Arsenic	mg/L	0.002	0.001	0.003	0.001	0.001	0.002	0.003	0.001	ND	0.00
Dissolved Barium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Boron	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Cadmium	mg/L	-0.005	-0.005	-0.005	-0.005	0.005	0.005	0.005	0.000	0.01	0.01
Dissolved Chromium	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Copper	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01
Dissolved Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Dissolved Lead	mg/L	0.001	-0.001	-0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Manganese	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01

Well MU-103

Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/23/2009	5/7/2009	5/21/2009	6/4/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Dissolved Mercury	mg/L	-0.001	-0.001	-0.001	-0.001	0.00100	0.00100	0.00100	0.00000	0.00	0.00
Dissolved Molybdenum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Nickel	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Selenium	mg/L	-0.001	-0.001	-0.001	-0.001	0.00	0.00	0.00	0.00	0.00	0.00
Dissolved Uranium	mg/L	0.010	0.011	0.024	0.009	0.01	0.01	0.02	0.01	ND	0.03
Dissolved Vanadium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Zinc	mg/L	0.01	0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01
Total Iron	mg/L	3.91	1.18	-0.03	0.69	0.03	1.45	3.91	1.70	ND	6.57
Total Manganese	mg/L	0.04	0.01	-0.01	0.01	0.01	0.02	0.04	0.02	ND	0.06
Gross Alpha	pCi/L	19	132	175	31	19.00	89.25	175.00	76.40	ND	318.44
Gross Beta	pCi/L	5.7	63.4	62.7	17.9	5.70	37.43	63.40	30.01	ND	127.45
Dissolved Ra-226	pCi/L	1.4	4.8	63	4	1.40	18.30	63.00	29.84	ND	107.81
Dissolved Ra-228	pCi/L	1.6	2.8	3.3	3.2	1.60	2.73	3.30	0.78	0.38	5.07
Dissolved Ra-226+Ra-228	pCi/L	3	7.6	66.3	7.2	3.00	21.03	66.30	30.25	ND	111.79

¹ Less than values are denoted by a minus sign in front of the detection limit.

² When the mean minus three standard deviations is a negative value, ND is written for "not detected".

Parameter value exceeds WDEQ-WQD Domestic Class-of-Use (Class I).

Parameter value exceeds WDEQ-WQD Agriculture Class-of-Use (Class II).

Parameter value exceeds WDEQ-WQD Livestock Class-of-Use (Class III).

Parameter value exceeds EPA MCL criterion.

Well MU-104

Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/22/2009	5/6/2009	5/20/2009	6/3/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Total Alkalinity as CaCO ₃	mg/L	72	76	86	91	72.00	81.25	91.00	8.77	54.94	107.56
CO ₃	mg/L	3	4	2	3	2.00	3.00	4.00	0.82	0.55	5.45
HCO ₃	mg/L	83	84	100	106	83.00	93.25	106.00	11.53	58.66	127.84
Dissolved Calcium	mg/L	53	60	57	66	53.00	59.00	66.00	5.48	42.57	75.43
Total Chloride	mg/L	6	6	6	6	6.00	6.00	6.00	0.00	6.00	6.00
Dissolved Fluoride	mg/L	0.2	0.2	0.2	0.2	0.20	0.20	0.20	0.00	0.20	0.20
Dissolved Magnesium	mg/L	2	2	3	3	2.00	2.50	3.00	0.58	0.77	4.23
Total NH ₃ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved NO ₃ +NO ₂ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Potassium	mg/L	3	3	3	3	3.00	3.00	3.00	0.00	3.00	3.00
Dissolved SiO ₂	mg/L	13.8	14.7	12.9	15.1	12.90	14.13	15.10	0.98	11.18	17.07
Dissolved Sodium	mg/L	40	32	32	35	32.00	34.75	40.00	3.77	23.43	46.07
Total SO ₄	mg/L	146	151	155	149	146.00	150.25	155.00	3.77	138.93	161.57
Specific Conductance at 25 °C	µmhos/cm	470	484	497	502	470.00	488.25	502.00	14.34	445.24	531.26
Laboratory pH	SU	8.55	8.76	8.56	8.49	8.49	8.59	8.76	0.12	8.24	8.94
TDS Dried at 180 °C	mg/L	318	337	399	337	318.00	347.75	399.00	35.32	241.79	453.71
Dissolved Aluminum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Arsenic	mg/L	0.003	0.002	0.001	0.001	0.001	0.002	0.003	0.001	ND	0.00
Dissolved Barium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Boron	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Cadmium	mg/L	-0.005	-0.005	-0.005	-0.005	0.005	0.005	0.005	0.000	0.01	0.01
Dissolved Chromium	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Copper	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01
Dissolved Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Dissolved Lead	mg/L	-0.001	-0.001	-0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Manganese	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/22/2009	5/6/2009	5/20/2009	6/3/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Dissolved Mercury	mg/L	-0.001	-0.001	-0.001	-0.001	0.00100	0.00100	0.00100	0.00000	0.00	0.00
Dissolved Molybdenum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Nickel	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Selenium	mg/L	-0.001	-0.001	-0.001	-0.001	0.00	0.00	0.00	0.00	0.00	0.00
Dissolved Uranium	mg/L	0.056	0.084	0.073	0.067	0.06	0.07	0.08	0.01	0.03	0.10
Dissolved Vanadium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Zinc	mg/L	-0.01	0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01
Total Iron	mg/L	1.17	2.19	0.45	0.17	0.17	1.00	2.19	0.90	ND	3.70
Total Manganese	mg/L	0.01	0.03	-0.01	-0.01	0.01	0.02	0.03	0.01	ND	0.05
Gross Alpha	pCi/L	128	233	209	257	128.00	206.75	257.00	56.04	38.64	374.86
Gross Beta	pCi/L	46	75.3	130	87	46.00	84.58	130.00	34.85	ND	189.12
Dissolved Ra-226	pCi/L	16	54	95	86	16.00	62.75	95.00	35.79	ND	170.12
Dissolved Ra-228	pCi/L	2.1	2	4.4	6.4	2.00	3.73	6.40	2.10	ND	10.02
Dissolved Ra-226+Ra-228	pCi/L	18.1	56	99.4	92.4	18.10	66.48	99.40	37.44	ND	178.81

¹ Less than values are denoted by a minus sign in front of the detection limit.

² When the mean minus three standard deviations is a negative value, ND is written for "not detected".

Parameter value exceeds WDEQ-WQD Domestic Class-of-Use (Class I).

Parameter value exceeds WDEQ-WQD Agriculture Class-of-Use (Class II).

Parameter value exceeds WDEQ-WQD Livestock Class-of-Use (Class III).

Parameter value exceeds EPA MCL criterion.

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/23/2009	5/7/2009	5/21/2009	6/4/2009	Minimum	Mean	Maximum	Standard Deviation	Mean \pm 3 Standard Deviations ²	
Total Alkalinity as CaCO ₃	mg/L	93	92	90	97	90.00	93.00	97.00	2.94	84.17	101.83
CO ₃	mg/L	7	4	-1	1	1.00	3.25	7.00	2.87	ND	11.87
HCO ₃	mg/L	100	105	109	116	100.00	107.50	116.00	6.76	87.23	127.77
Dissolved Calcium	mg/L	45	45	46	46	45.00	45.50	46.00	0.58	43.77	47.23
Total Chloride	mg/L	4	4	4	4	4.00	4.00	4.00	0.00	4.00	4.00
Dissolved Fluoride	mg/L	0.2	0.2	0.2	0.1	0.10	0.18	0.20	0.05	0.02	0.33
Dissolved Magnesium	mg/L	2	2	2	2	2.00	2.00	2.00	0.00	2.00	2.00
Total NH ₃ -N	mg/L	0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved NO ₃ +NO ₂ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Potassium	mg/L	3	3	2	3	2.00	2.75	3.00	0.50	1.25	4.25
Dissolved SiO ₂	mg/L	13.7	14.2	16.1	15.9	13.70	14.98	16.10	1.20	11.36	18.59
Dissolved Sodium	mg/L	31	32	25	30	25.00	29.50	32.00	3.11	20.17	38.83
Total SO ₄	mg/L	93	100	94	98	93.00	96.25	100.00	3.30	86.34	106.16
Specific Conductance at 25 °C	µmhos/cm	392	402	359	412	359.00	391.25	412.00	23.00	322.26	460.24
Laboratory pH	SU	8.86	8.6	8.26	8.32	8.26	8.51	8.86	0.28	7.68	9.34
TDS Dried at 180 °C	mg/L	263	265	279	297	263.00	276.00	297.00	15.71	228.88	323.12
Dissolved Aluminum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Arsenic	mg/L	0.005	0.004	0.001	0.003	0.001	0.003	0.005	0.002	ND	0.01
Dissolved Barium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Boron	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Cadmium	mg/L	-0.005	-0.005	-0.005	-0.005	0.005	0.005	0.005	0.000	0.01	0.01
Dissolved Chromium	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Copper	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01
Dissolved Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Dissolved Lead	mg/L	-0.001	-0.001	-0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Manganese	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/23/2009	5/7/2009	5/21/2009	6/4/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Dissolved Mercury	mg/L	-0.001	-0.001	-0.001	-0.001	0.00100	0.00100	0.00100	0.00000	0.00	0.00
Dissolved Molybdenum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Nickel	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Selenium	mg/L	-0.001	-0.001	-0.001	-0.001	0.00	0.00	0.00	0.00	0.00	0.00
Dissolved Uranium	mg/L	0.031	0.028	0.011	0.023	0.01	0.02	0.03	0.01	ND	0.05
Dissolved Vanadium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Zinc	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01
Total Iron	mg/L	-0.03	-0.03	0.45	-0.03	0.03	0.14	0.45	0.21	ND	0.77
Total Manganese	mg/L	-0.01	-0.02	-0.01	-0.01	0.01	0.01	0.02	0.01	ND	0.03
Gross Alpha	pCi/L	131	161	60.7	150	60.70	125.68	161.00	45.05	ND	260.84
Gross Beta	pCi/L	48.3	57.6	35.5	55.2	35.50	49.15	57.60	9.92	19.40	78.90
Dissolved Ra-226	pCi/L	64	70	4.6	58	4.60	49.15	70.00	30.10	ND	139.45
Dissolved Ra-228	pCi/L	3.7	3.3	3.7	4.2	3.30	3.73	4.20	0.37	2.62	4.83
Dissolved Ra-226+Ra-228	pCi/L	67.7	73.3	8.3	62.2	8.30	52.88	73.30	30.06	ND	143.06

¹ Less than values are denoted by a minus sign in front of the detection limit.

² When the mean minus three standard deviations is a negative value, ND is written for "not detected".

Parameter value exceeds WDEQ-WQD Domestic Class-of-Use (Class I).

Parameter value exceeds WDEQ-WQD Agriculture Class-of-Use (Class II).

Parameter value exceeds WDEQ-WQD Livestock Class-of-Use (Class III).

Parameter value exceeds EPA MCL criterion.

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/22/2009	5/6/2009	5/20/2009	6/3/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Total Alkalinity as CaCO ₃	mg/L	107	116	114	117	107.00	113.50	117.00	4.51	99.97	127.03
CO ₃	mg/L	6	6	4	2	2.00	4.50	6.00	1.91	ND	10.24
HCO ₃	mg/L	120	129	131	139	120.00	129.75	139.00	7.80	106.34	153.16
Dissolved Calcium	mg/L	64	64	64	62	62.00	63.50	64.00	1.00	60.50	66.50
Total Chloride	mg/L	4	4	4	5	4.00	4.25	5.00	0.50	2.75	5.75
Dissolved Fluoride	mg/L	0.2	0.1	0.1	0.1	0.10	0.13	0.20	0.05	ND	0.28
Dissolved Magnesium	mg/L	2	2	2	3	2.00	2.25	3.00	0.50	0.75	3.75
Total NH ₃ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved NO ₃ +NO ₂ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Potassium	mg/L	4	4	3	3	3.00	3.50	4.00	0.58	1.77	5.23
Dissolved SiO ₂	mg/L	14.6	16.3	13.7	15.8	13.70	15.10	16.30	1.17	11.58	18.62
Dissolved Sodium	mg/L	35	30	32	31	30.00	32.00	35.00	2.16	25.52	38.48
Total SO ₄	mg/L	118	119	124	122	118.00	120.75	124.00	2.75	112.49	129.01
Specific Conductance at 25 °C	µmhos/cm	472	466	466	485	466.00	472.25	485.00	8.96	445.38	499.12
Laboratory pH	SU	8.91	8.31	8.48	8.37	8.31	8.52	8.91	0.27	7.70	9.33
TDS Dried at 180 °C	mg/L	321	324	341	318	318.00	326.00	341.00	10.30	295.11	356.89
Dissolved Aluminum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Arsenic	mg/L	0.004	0.004	0.003	0.002	0.002	0.003	0.004	0.001	0.00	0.01
Dissolved Barium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Boron	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Cadmium	mg/L	-0.005	-0.005	-0.005	-0.005	0.005	0.005	0.005	0.000	0.01	0.01
Dissolved Chromium	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Copper	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01
Dissolved Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Dissolved Lead	mg/L	-0.001	-0.001	-0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Manganese	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/22/2009	5/6/2009	5/20/2009	6/3/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Dissolved Mercury	mg/L	-0.001	-0.001	-0.001	-0.001	0.00100	0.00100	0.00100	0.00000	0.00	0.00
Dissolved Molybdenum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Nickel	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Selenium	mg/L	-0.001	-0.001	-0.001	-0.001	0.00	0.00	0.00	0.00	0.00	0.00
Dissolved Uranium	mg/L	0.111	0.097	0.082	0.070	0.07	0.09	0.11	0.02	0.04	0.14
Dissolved Vanadium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Zinc	mg/L	0.01	0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01
Total Iron	mg/L	-0.07	-0.03	-0.03	-0.03	0.03	0.04	0.07	0.02	ND	0.10
Total Manganese	mg/L	-0.01	-0.02	-0.02	-0.01	0.01	0.02	0.02	0.01	ND	0.03
Gross Alpha	pCi/L	828	491	432	521	432.00	481.33	521.00	45.28	345.49	617.17
Gross Beta	pCi/L	343	179	191	202	179.00	190.67	202.00	11.50	156.15	225.18
Dissolved Ra-226	pCi/L	247	337	312	297	247.00	298.25	337.00	37.94	184.42	412.08
Dissolved Ra-228	pCi/L	6.1	3.3	4.2	5.7	3.30	4.83	6.10	1.30	0.91	8.74
Dissolved Ra-226+Ra-228	pCi/L	253.1	340.3	316.2	302.7	253.10	303.08	340.30	36.77	192.77	413.38

¹ Less than values are denoted by a minus sign in front of the detection limit.

² When the mean minus three standard deviations is a negative value, ND is written for "not detected".

- Parameter value exceeds WDEQ-WQD Domestic Class-of-Use (Class I).
- Parameter value exceeds WDEQ-WQD Agriculture Class-of-Use (Class II).
- Parameter value exceeds WDEQ-WQD Livestock Class-of-Use (Class III).
- Parameter value exceeds EPA MCL criterion.
- Value is an outlier or calculation excludes outlier(s).

Outliers were identified based on the data from all MU wells, not on a well-by-well basis. Outlier identification is explained in Section 4.3.

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/22/2009	5/6/2009	5/20/2009	6/3/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Total Alkalinity as CaCO ₃	mg/L	87	92	94	97	87.00	92.50	97.00	4.20	79.89	105.11
CO ₃	mg/L	-1	-1	-1	-1	1.00	1.00	1.00	0.00	1.00	1.00
HCO ₃	mg/L	106	112	114	118	106.00	112.50	118.00	5.00	97.50	127.50
Dissolved Calcium	mg/L	52	51	52	53	51.00	52.00	53.00	0.82	49.55	54.45
Total Chloride	mg/L	4	4	4	5	4.00	4.25	5.00	0.50	2.75	5.75
Dissolved Fluoride	mg/L	0.1	0.1	0.1	0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Magnesium	mg/L	3	2	2	2	2.00	2.25	3.00	0.50	0.75	3.75
Total NH ₃ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved NO ₃ +NO ₂ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Potassium	mg/L	2	3	3	3	2.00	2.75	3.00	0.50	1.25	4.25
Dissolved SiO ₂	mg/L	13.3	15.6	13.3	15.7	13.30	14.48	15.70	1.36	10.40	18.55
Dissolved Sodium	mg/L	34	32	34	33	32.00	33.25	34.00	0.96	30.38	36.12
Total SO ₄	mg/L	114	115	120	119	114.00	117.00	120.00	2.94	108.17	125.83
Specific Conductance at 25 °C	µmhos/cm	425	440	426	447	425.00	434.50	447.00	10.79	402.14	466.86
Laboratory pH	SU	8.25	8.22	8.22	8.07	8.07	8.19	8.25	0.08	7.95	8.43
TDS Dried at 180 °C	mg/L	276	287	312	286	276.00	290.25	312.00	15.33	244.27	336.23
Dissolved Aluminum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Arsenic	mg/L	0.002	0.004	0.003	0.003	0.002	0.003	0.004	0.001	0.00	0.01
Dissolved Barium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Boron	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Cadmium	mg/L	-0.005	-0.005	-0.005	-0.005	0.005	0.005	0.005	0.000	0.01	0.01
Dissolved Chromium	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Copper	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01
Dissolved Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Dissolved Lead	mg/L	-0.001	-0.001	-0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Manganese	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/22/2009	5/6/2009	5/20/2009	6/3/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Dissolved Mercury	mg/L	-0.001	-0.001	-0.001	-0.001	0.00100	0.00100	0.00100	0.00000	0.00	0.00
Dissolved Molybdenum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Nickel	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Selenium	mg/L	0.012	-0.001	-0.001	-0.001	0.00	0.00	0.01	0.01	ND	0.02
Dissolved Uranium	mg/L	0.018	0.018	0.015	0.016	0.02	0.02	0.02	0.00	0.01	0.02
Dissolved Vanadium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Zinc	mg/L	-0.03	0.01	0.01	-0.01	0.01	0.02	0.03	0.01	ND	0.05
Total Iron	mg/L	-0.07	-0.03	-0.03	-0.03	0.03	0.04	0.07	0.02	ND	0.10
Total Manganese	mg/L	-0.01	-0.02	-0.02	-0.01	0.01	0.02	0.02	0.01	ND	0.03
Gross Alpha	pCi/L	52.6	47.9	48.8	47.1	47.10	49.10	52.60	2.43	41.80	56.40
Gross Beta	pCi/L	19.6	19.9	24.3	18.9	18.90	20.68	24.30	2.45	13.32	28.03
Dissolved Ra-226	pCi/L	7.6	8.9	8.7	9.6	7.60	8.70	9.60	0.83	6.21	11.19
Dissolved Ra-228	pCi/L	4.4	4.7	4.6	5	4.40	4.68	5.00	0.25	3.93	5.42
Dissolved Ra-226+Ra-228	pCi/L	12	13.6	13.3	14.6	12.00	13.38	14.60	1.07	10.16	16.59

¹ Less than values are denoted by a minus sign in front of the detection limit.

² When the mean minus three standard deviations is a negative value, ND is written for "not detected".

- Parameter value exceeds WDEQ-WQD Domestic Class-of-Use (Class I).**
- Parameter value exceeds WDEQ-WQD Agriculture Class-of-Use (Class II).**
- Parameter value exceeds WDEQ-WQD Livestock Class-of-Use (Class III).**
- Parameter value exceeds EPA MCL criterion.**

Well KPW-2

Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/23/2009	5/7/2009	5/21/2009	6/4/2009	Minimum	Mean	Maximum	Standard Deviation	Mean \pm 3 Standard Deviations ²	
Total Alkalinity as CaCO ₃	mg/L	93	99	107	103	93.00	100.50	107.00	5.97	82.58	118.42
CO ₃	mg/L	1	-1	-1	-1	1.00	1.00	1.00	0.00	1.00	1.00
HCO ₃	mg/L	110	121	130	126	110.00	121.75	130.00	8.66	95.78	147.72
Dissolved Calcium	mg/L	48	53	54	55	48.00	52.50	55.00	3.11	43.17	61.83
Total Chloride	mg/L	6	6	5	5	5.00	5.50	6.00	0.58	3.77	7.23
Dissolved Fluoride	mg/L	0.2	0.2	0.2	0.1	0.10	0.18	0.20	0.05	0.02	0.33
Dissolved Magnesium	mg/L	2	2	2	2	2.00	2.00	2.00	0.00	2.00	2.00
Total NH ₃ -N	mg/L	0.06	-0.05	-0.05	-0.05	0.05	0.05	0.06	0.01	0.04	0.07
Dissolved NO ₃ +NO ₂ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Potassium	mg/L	4	5	3	4	3.00	4.00	5.00	0.82	1.55	6.45
Dissolved SiO ₂	mg/L	14.4	15.5	16.1	16.8	14.40	15.70	16.80	1.02	12.65	18.75
Dissolved Sodium	mg/L	32	34	29	33	29.00	32.00	34.00	2.16	25.52	38.48
Total SO ₄	mg/L	110	121	110	117	110.00	114.50	121.00	5.45	98.16	130.84
Specific Conductance at 25 °C	µmhos/cm	438	460	427	467	427.00	448.00	467.00	18.67	391.98	504.02
Laboratory pH	SU	8.19	8.12	8.11	7.89	7.89	8.08	8.19	0.13	7.69	8.47
TDS Dried at 180 °C	mg/L	281	307	301	337	281.00	306.50	337.00	23.17	236.98	376.02
Dissolved Aluminum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Arsenic	mg/L	0.003	0.003	0.002	0.001	0.001	0.002	0.003	0.001	ND	0.01
Dissolved Barium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Boron	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Cadmium	mg/L	-0.005	-0.005	-0.005	-0.005	0.005	0.005	0.005	0.000	0.01	0.01
Dissolved Chromium	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Copper	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01
Dissolved Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Dissolved Lead	mg/L	0.002	-0.001	-0.001	-0.001	0.001	0.001	0.002	0.001	ND	0.00
Dissolved Manganese	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01

Well KPW-2

Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/23/2009	5/7/2009	5/21/2009	6/4/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Dissolved Mercury	mg/L	-0.001	-0.001	-0.001	-0.001	0.00100	0.00100	0.00100	0.00000	0.00	0.00
Dissolved Molybdenum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Nickel	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Selenium	mg/L	-0.001	-0.001	-0.001	-0.001	0.00	0.00	0.00	0.00	0.00	0.00
Dissolved Uranium	mg/L	0.015	0.023	0.019	0.019	0.02	0.02	0.02	0.00	0.01	0.03
Dissolved Vanadium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Zinc	mg/L	0.04	-0.01	-0.01	-0.01	0.01	0.02	0.04	0.02	ND	0.06
Total Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Total Manganese	mg/L	-0.01	-0.02	-0.01	-0.01	0.01	0.01	0.02	0.01	ND	0.03
Gross Alpha	pCi/L	39	42.4	42.6	50.2	39.00	43.55	50.20	4.73	29.36	57.74
Gross Beta	pCi/L	17.3	20.1	17.9	30.8	17.30	21.53	30.80	6.30	2.63	40.42
Dissolved Ra-226	pCi/L	4.6	6.8	4.5	5.4	4.50	5.33	6.80	1.06	2.14	8.51
Dissolved Ra-228	pCi/L	4.9	5	3.6	5.2	3.60	4.68	5.20	0.73	2.49	6.86
Dissolved Ra-226+Ra-228	pCi/L	9.5	11.8	8.1	10.6	8.10	10.00	11.80	1.58	5.27	14.73

¹ Less than values are denoted by a minus sign in front of the detection limit.

² When the mean minus three standard deviations is a negative value, ND is written for "not detected".

Parameter value exceeds WDEQ-WQD Domestic Class-of-Use (Class I).

Parameter value exceeds WDEQ-WQD Agriculture Class-of-Use (Class II).

Parameter value exceeds WDEQ-WQD Livestock Class-of-Use (Class III).

Parameter value exceeds EPA MCL criterion.

Well MU-109

Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/22/2009	5/6/2009	5/20/2009	6/3/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Total Alkalinity as CaCO ₃	mg/L	48	57	94	99	48.00	74.50	99.00	25.75	ND	151.75
CO ₃	mg/L	14	8	13	8	8.00	10.75	14.00	3.20	1.15	20.35
HCO ₃	mg/L	30	53	88	104	30.00	68.75	104.00	33.48	ND	169.19
Dissolved Calcium	mg/L	22	33	47	49	22.00	37.75	49.00	12.69	ND	75.81
Total Chloride	mg/L	10	7	6	6	6.00	7.25	10.00	1.89	1.57	12.93
Dissolved Fluoride	mg/L	0.2	0.2	0.1	0.1	0.10	0.15	0.20	0.06	ND	0.32
Dissolved Magnesium	mg/L	-1	-1	-1	-1	1.00	1.00	1.00	0.00	1.00	1.00
Total NH ₃ -N	mg/L	0.12	0.18	0.1	0.11	0.10	0.13	0.18	0.04	0.02	0.24
Dissolved NO ₃ +NO ₂ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Potassium	mg/L	20	14	11	8	8.00	13.25	20.00	5.12	ND	28.62
Dissolved SiO ₂	mg/L	10.3	13.4	13	15.8	10.30	13.13	15.80	2.25	6.37	19.88
Dissolved Sodium	mg/L	42	34	32	30	30.00	34.50	42.00	5.26	18.72	50.28
Total SO ₄	mg/L	105	109	109	109	105.00	108.00	109.00	2.00	102.00	114.00
Specific Conductance at 25 °C	µmhos/cm	395	403	427	442	395.00	416.75	442.00	21.64	351.83	481.67
Laboratory pH	SU	9.77	9.46	9.21	8.98	8.98	9.36	9.77	0.34	8.34	10.37
TDS Dried at 180 °C	mg/L	252	260	309	293	252.00	278.50	309.00	26.99	197.54	359.46
Dissolved Aluminum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Arsenic	mg/L	0.019	0.015	0.009	0.005	0.005	0.012	0.019	0.006	ND	0.03
Dissolved Barium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Boron	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Cadmium	mg/L	-0.005	-0.005	-0.005	-0.005	0.005	0.005	0.005	0.000	0.01	0.01
Dissolved Chromium	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Copper	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01
Dissolved Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Dissolved Lead	mg/L	-0.001	0.001	-0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Manganese	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/22/2009	5/6/2009	5/20/2009	6/3/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Dissolved Mercury	mg/L	-0.001	-0.001	-0.001	-0.001	0.00100	0.00100	0.00100	0.00000	0.00	0.00
Dissolved Molybdenum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Nickel	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Selenium	mg/L	-0.001	-0.001	-0.001	-0.001	0.00	0.00	0.00	0.00	0.00	0.00
Dissolved Uranium	mg/L	0.021	0.011	0.013	0.012	0.01	0.01	0.02	0.00	ND	0.03
Dissolved Vanadium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Zinc	mg/L	-0.01	-0.01	0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01
Total Iron	mg/L	-0.04	-0.03	-0.03	-0.03	0.03	0.03	0.04	0.01	0.02	0.05
Total Manganese	mg/L	-0.01	-0.02	-0.02	-0.01	0.01	0.02	0.02	0.01	ND	0.03
Gross Alpha	pCi/L	36.1	26.2	28.5	18.2	18.20	27.25	36.10	7.37	5.14	49.36
Gross Beta	pCi/L	28.8	24.4	18.9	8.1	8.10	20.05	28.80	8.94	ND	46.86
Dissolved Ra-226	pCi/L	2	2.7	2.4	3.2	2.00	2.58	3.20	0.51	1.06	4.09
Dissolved Ra-228	pCi/L	1.9	2.9	3.9	5.9	1.90	3.65	5.90	1.71	ND	8.77
Dissolved Ra-226+Ra-228	pCi/L	3.9	5.6	6.3	9.1	3.90	6.23	9.10	2.17	ND	12.72

¹ Less than values are denoted by a minus sign in front of the detection limit.

² When the mean minus three standard deviations is a negative value, ND is written for "not detected".

Parameter value exceeds WDEQ-WQD Domestic Class-of-Use (Class I).

Parameter value exceeds WDEQ-WQD Agriculture Class-of-Use (Class II).

Parameter value exceeds WDEQ-WQD Livestock Class-of-Use (Class III).

Parameter value exceeds EPA MCL criterion.

Well MU-110

Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/21/2009	5/5/2009	5/19/2009	6/2/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Total Alkalinity as CaCO ₃	mg/L	33	27	32	36	27.00	32.00	36.00	3.74	20.78	43.22
CO ₃	mg/L	19	11	8	5	5.00	8.00	11.00	3.00	ND	17.00
HCO ₃	mg/L	-1	10	22	34	1.00	16.75	34.00	14.36	ND	59.83
Dissolved Calcium	mg/L	21	23	24	30	21.00	24.50	30.00	3.87	12.88	36.12
Total Chloride	mg/L	10	10	8	9	8.00	9.25	10.00	0.96	6.38	12.12
Dissolved Fluoride	mg/L	0.3	0.2	0.2	0.2	0.20	0.23	0.30	0.05	0.07	0.38
Dissolved Magnesium	mg/L	-1	-1	-1	-1	1.00	1.00	1.00	0.00	1.00	1.00
Total NH ₃ -N	mg/L	0.32	-0.05	0.15	0.14	0.05	0.17	0.32	0.11	ND	0.50
Dissolved NO ₃ +NO ₂ -N	mg/L	-0.05	0.13	-0.05	-0.05	0.05	0.07	0.13	0.04	ND	0.19
Dissolved Potassium	mg/L	16	13	12	11	11.00	13.00	16.00	2.16	6.52	19.48
Dissolved SiO ₂	mg/L	15	14.2	13	15	13.00	14.30	15.00	0.95	11.46	17.14
Dissolved Sodium	mg/L	39	36	35	35	35.00	36.25	39.00	1.89	30.57	41.93
Total SO ₄	mg/L	105	111	106	110	105.00	108.00	111.00	2.94	99.17	116.83
Specific Conductance at 25 °C	µmhos/cm	382	370	337	381	337.00	367.50	382.00	21.05	304.36	430.64
Laboratory pH	SU	10.2	9.88	9.75	9.61	9.61	9.86	10.20	0.25	9.10	10.62
TDS Dried at 180 °C	mg/L	238	237	242	225	225.00	235.50	242.00	7.33	213.52	257.48
Dissolved Aluminum	mg/L	0.2	0.2	0.1	0.1	0.10	0.15	0.20	0.06	ND	0.32
Dissolved Arsenic	mg/L	0.022	0.022	0.021	0.022	0.021	0.022	0.022	0.000	0.02	0.02
Dissolved Barium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Boron	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Cadmium	mg/L	-0.005	-0.005	-0.005	-0.005	0.005	0.005	0.005	0.000	0.01	0.01
Dissolved Chromium	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Copper	mg/L	-0.02	-0.01	-0.01	-0.01	0.01	0.01	0.02	0.01	ND	0.03
Dissolved Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Dissolved Lead	mg/L	-0.001	-0.001	-0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Manganese	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01

Well MU-110

Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/21/2009	5/5/2009	5/19/2009	6/2/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Dissolved Mercury	mg/L	-0.001	-0.001	-0.001	-0.001	0.00100	0.00100	0.00100	0.00000	0.00	0.00
Dissolved Molybdenum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Nickel	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Selenium	mg/L	-0.001	-0.001	-0.001	-0.001	0.00	0.00	0.00	0.00	0.00	0.00
Dissolved Uranium	mg/L	0.063	0.074	0.068	0.082	0.06	0.07	0.08	0.01	0.05	0.10
Dissolved Vanadium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Zinc	mg/L	0.06	-0.01	0.03	-0.01	0.01	0.03	0.06	0.02	ND	0.10
Total Iron	mg/L	-0.03	-0.07	-0.03	-0.07	0.03	0.05	0.07	0.02	ND	0.12
Total Manganese	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01
Gross Alpha	pCi/L	81.2	73.4	92.2	111	73.40	89.45	111.00	16.31	40.53	138.37
Gross Beta	pCi/L	51.4	40	33.5	42.6	33.50	41.88	51.40	7.41	19.63	64.12
Dissolved Ra-226	pCi/L	1.8	3	2.5	2.9	1.80	2.55	3.00	0.54	0.92	4.18
Dissolved Ra-228	pCi/L	1.7	3.6	4	4	1.70	3.33	4.00	1.10	0.03	6.62
Dissolved Ra-226+Ra-228	pCi/L	3.5	6.6	6.5	6.9	3.50	5.88	6.90	1.59	1.10	10.65

¹ Less than values are denoted by a minus sign in front of the detection limit.

² When the mean minus three standard deviations is a negative value, ND is written for "not detected".

- Parameter value exceeds WDEQ-WQD Domestic Class-of-Use (Class I).**
- Parameter value exceeds WDEQ-WQD Agriculture Class-of-Use (Class II).**
- Parameter value exceeds WDEQ-WQD Livestock Class-of-Use (Class III).**
- Parameter value exceeds EPA MCL criterion.**

Well MU-111

Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/21/2009	5/6/2009	5/19/2009	6/2/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Total Alkalinity as CaCO ₃	mg/L	36	69	75	79	36.00	64.75	79.00	19.60	5.94	123.56
CO ₃	mg/L	4	-1	1	-1	1.00	1.75	4.00	1.50	ND	6.25
HCO ₃	mg/L	35	84	89	96	35.00	76.00	96.00	27.77	ND	159.32
Dissolved Calcium	mg/L	21	38	47	50	21.00	39.00	50.00	13.04	ND	78.12
Total Chloride	mg/L	10	8	7	7	7.00	8.00	10.00	1.41	3.76	12.24
Dissolved Fluoride	mg/L	0.2	0.2	0.2	0.2	0.20	0.20	0.20	0.00	0.20	0.20
Dissolved Magnesium	mg/L	-1	1	1	1	1.00	1.00	1.00	0.00	1.00	1.00
Total NH ₃ -N	mg/L	0.11	-0.05	-0.05	-0.05	0.05	0.07	0.11	0.03	ND	0.16
Dissolved NO ₃ +NO ₂ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Potassium	mg/L	26	14	13	11	11.00	12.67	14.00	1.53	8.08	17.25
Dissolved SiO ₂	mg/L	12.3	13.7	12.7	15.2	12.30	13.48	15.20	1.29	9.60	17.35
Dissolved Sodium	mg/L	43	36	38	37	36.00	38.50	43.00	3.11	29.17	47.83
Total SO ₄	mg/L	132	131	133	135	131.00	132.75	135.00	1.71	127.63	137.87
Specific Conductance at 25 °C	µmhos/cm	432	461	449	477	432.00	454.75	477.00	19.02	397.70	511.80
Laboratory pH	SU	9.42	8.65	8.88	8.86	8.65	8.95	9.42	0.33	7.97	9.94
TDS Dried at 180 °C	mg/L	273	310	311	304	273.00	299.50	311.00	17.94	245.69	353.31
Dissolved Aluminum	mg/L	0.3	0.2	0.1	-0.1	0.10	0.18	0.30	0.10	ND	0.46
Dissolved Arsenic	mg/L	0.008	0.004	0.004	0.003	0.003	0.005	0.008	0.002	ND	0.01
Dissolved Barium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Boron	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Cadmium	mg/L	-0.005	-0.005	-0.005	-0.005	0.005	0.005	0.005	0.000	0.01	0.01
Dissolved Chromium	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Copper	mg/L	-0.02	-0.01	-0.01	-0.01	0.01	0.01	0.02	0.01	ND	0.03
Dissolved Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Dissolved Lead	mg/L	-0.001	-0.001	-0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Manganese	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01

Well MU-111

Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/21/2009	5/6/2009	5/19/2009	6/2/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Dissolved Mercury	mg/L	-0.001	-0.001	-0.001	-0.001	0.00100	0.00100	0.00100	0.00000	0.00	0.00
Dissolved Molybdenum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Nickel	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Selenium	mg/L	-0.001	-0.001	-0.001	-0.001	0.00	0.00	0.00	0.00	0.00	0.00
Dissolved Uranium	mg/L	0.067	0.039	0.031	0.031	0.03	0.04	0.07	0.02	ND	0.09
Dissolved Vanadium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Zinc	mg/L	0.03	-0.01	0.04	-0.01	0.01	0.02	0.04	0.02	ND	0.07
Total Iron	mg/L	-0.03	-0.03	-0.03	-0.07	0.03	0.04	0.07	0.02	ND	0.10
Total Manganese	mg/L	-0.01	-0.02	-0.01	-0.01	0.01	0.01	0.02	0.01	ND	0.03
Gross Alpha	pCi/L	397	305	233	229	229.00	291.00	397.00	78.82	54.53	527.47
Gross Beta	pCi/L	198	123	91.5	93.3	91.50	126.45	198.00	49.84	ND	275.97
Dissolved Ra-226	pCi/L	133	117	109	112	109.00	117.75	133.00	10.69	85.68	149.82
Dissolved Ra-228	pCi/L	3.1	4	6.2	2.7	2.70	4.00	6.20	1.56	ND	8.69
Dissolved Ra-226+Ra-228	pCi/L	136.1	121	115.2	114.7	114.70	121.75	136.10	9.98	91.80	151.70

¹ Less than values are denoted by a minus sign in front of the detection limit.

² When the mean minus three standard deviations is a negative value, ND is written for "not detected".

- Parameter value exceeds WDEQ-WQD Domestic Class-of-Use (Class I).
- Parameter value exceeds WDEQ-WQD Agriculture Class-of-Use (Class II).
- Parameter value exceeds WDEQ-WQD Livestock Class-of-Use (Class III).
- Parameter value exceeds EPA MCL criterion.

Well MU-112

Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/21/2009	5/5/2009	5/19/2009	6/2/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Total Alkalinity as CaCO ₃	mg/L	43	44	55	69	43.00	52.75	69.00	12.12	16.39	89.11
CO ₃	mg/L	5	4	1	2	1.00	3.00	5.00	1.83	ND	8.48
HCO ₃	mg/L	43	46	65	80	43.00	58.50	80.00	17.33	6.51	110.49
Dissolved Calcium	mg/L	30	34	43	51	30.00	39.50	51.00	9.40	11.30	67.70
Total Chloride	mg/L	12	11	11	11	11.00	11.25	12.00	0.50	9.75	12.75
Dissolved Fluoride	mg/L	0.2	0.2	0.2	0.2	0.20	0.20	0.20	0.00	0.20	0.20
Dissolved Magnesium	mg/L	-1	-1	-1	-1	1.00	1.00	1.00	0.00	1.00	1.00
Total NH ₃ -N	mg/L	0.08	0.06	-0.05	-0.05	0.05	0.06	0.08	0.01	0.02	0.10
Dissolved NO ₃ +NO ₂ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Potassium	mg/L	14	11	10	8	8.00	10.75	14.00	2.50	3.25	18.25
Dissolved SiO ₂	mg/L	14.5	14.8	13.7	16.3	13.70	14.83	16.30	1.09	11.56	18.09
Dissolved Sodium	mg/L	40	38	34	38	34.00	37.50	40.00	2.52	29.95	45.05
Total SO ₄	mg/L	115	115	116	117	115.00	115.75	117.00	0.96	112.88	118.62
Specific Conductance at 25 °C	µmhos/cm	411	426	393	442	393.00	418.00	442.00	20.93	355.21	480.79
Laboratory pH	SU	9.38	9.34	9.07	9.15	9.07	9.24	9.38	0.15	8.79	9.68
TDS Dried at 180 °C	mg/L	259	278	278	271	259.00	271.50	278.00	8.96	244.61	298.39
Dissolved Aluminum	mg/L	0.1	0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Arsenic	mg/L	0.011	0.011	0.009	0.009	0.009	0.010	0.011	0.001	0.01	0.01
Dissolved Barium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Boron	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Cadmium	mg/L	-0.005	-0.005	-0.005	-0.005	0.005	0.005	0.005	0.000	0.01	0.01
Dissolved Chromium	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Copper	mg/L	-0.02	-0.01	-0.01	-0.01	0.01	0.01	0.02	0.01	ND	0.03
Dissolved Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Dissolved Lead	mg/L	-0.001	-0.001	-0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Manganese	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01

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Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/21/2009	5/5/2009	5/19/2009	6/2/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Dissolved Mercury	mg/L	-0.001	-0.001	-0.001	-0.001	0.00100	0.00100	0.00100	0.00000	0.00	0.00
Dissolved Molybdenum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Nickel	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Selenium	mg/L	-0.001	-0.001	-0.001	-0.001	0.00	0.00	0.00	0.00	0.00	0.00
Dissolved Uranium	mg/L	0.007	0.006	0.007	0.008	0.01	0.01	0.01	0.00	0.01	0.01
Dissolved Vanadium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Zinc	mg/L	0.04	-0.01	-0.01	-0.01	0.01	0.02	0.04	0.02	ND	0.06
Total Iron	mg/L	-0.03	-0.07	-0.03	-0.07	0.03	0.05	0.07	0.02	ND	0.12
Total Manganese	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01
Gross Alpha	pCi/L	23.6	16.6	22	24.8	16.60	21.75	24.80	3.62	10.89	32.61
Gross Beta	pCi/L	23.3	13.9	14.6	17.8	13.90	17.40	23.30	4.28	4.55	30.25
Dissolved Ra-226	pCi/L	3.5	1.8	1.8	1.9	1.80	2.25	3.50	0.83	ND	4.75
Dissolved Ra-228	pCi/L	2.9	2.4	3.3	4	2.40	3.15	4.00	0.68	1.12	5.18
Dissolved Ra-226+Ra-228	pCi/L	6.4	4.2	5.1	5.9	4.20	5.40	6.40	0.96	2.51	8.29

¹ Less than values are denoted by a minus sign in front of the detection limit.

² When the mean minus three standard deviations is a negative value, ND is written for "not detected".

- Parameter value exceeds WDEQ-WQD Domestic Class-of-Use (Class I).
- Parameter value exceeds WDEQ-WQD Agriculture Class-of-Use (Class II).
- Parameter value exceeds WDEQ-WQD Livestock Class-of-Use (Class III).
- Parameter value exceeds EPA MCL criterion.

Well MU-113

Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/21/2009	5/5/2009	5/19/2009	6/2/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Total Alkalinity as CaCO ₃	mg/L	43	67	75	77	43.00	65.50	77.00	15.61	18.67	112.33
CO ₃	mg/L	5	2	6	4	2.00	4.25	6.00	1.71	ND	9.37
HCO ₃	mg/L	41	77	81	85	41.00	71.00	85.00	20.26	10.21	131.79
Dissolved Calcium	mg/L	31	45	52	55	31.00	45.75	55.00	10.69	13.68	77.82
Total Chloride	mg/L	16	11	9	8	8.00	9.33	11.00	1.53	4.75	13.92
Dissolved Fluoride	mg/L	0.2	0.1	0.2	0.1	0.10	0.15	0.20	0.06	ND	0.32
Dissolved Magnesium	mg/L	-1	-1	-1	-1	1.00	1.00	1.00	0.00	1.00	1.00
Total NH ₃ -N	mg/L	0.08	0.06	-0.05	-0.05	0.05	0.06	0.08	0.01	0.02	0.10
Dissolved NO ₃ +NO ₂ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Potassium	mg/L	16	11	10	9	9.00	11.50	16.00	3.11	2.17	20.83
Dissolved SiO ₂	mg/L	11.9	14.1	12.5	16.2	11.90	13.68	16.20	1.92	7.91	19.44
Dissolved Sodium	mg/L	35	33	31	36	31.00	33.75	36.00	2.22	27.10	40.40
Total SO ₄	mg/L	113	117	118	121	113.00	117.25	121.00	3.30	107.34	127.16
Specific Conductance at 25 °C	µmhos/cm	414	463	424	449	414.00	437.50	463.00	22.49	370.04	504.96
Laboratory pH	SU	9.54	9.08	9.17	9.12	9.08	9.23	9.54	0.21	8.59	9.86
TDS Dried at 180 °C	mg/L	263	292	314	290	263.00	289.75	314.00	20.89	227.09	352.41
Dissolved Aluminum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Arsenic	mg/L	0.019	0.018	0.018	0.016	0.016	0.018	0.019	0.001	0.01	0.02
Dissolved Barium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Boron	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Cadmium	mg/L	-0.005	-0.005	-0.005	-0.005	0.005	0.005	0.005	0.000	0.01	0.01
Dissolved Chromium	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Copper	mg/L	-0.02	-0.01	-0.01	-0.01	0.01	0.01	0.02	0.01	ND	0.03
Dissolved Iron	mg/L	-0.03	-0.03	-0.03	-0.03	0.03	0.03	0.03	0.00	0.03	0.03
Dissolved Lead	mg/L	-0.001	-0.001	-0.001	-0.001	0.001	0.001	0.001	0.000	0.00	0.00
Dissolved Manganese	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01

Well MU-113

Parameters	Units	Parameter Values ¹				Values with Outliers (if any) Removed					
		4/21/2009	5/5/2009	5/19/2009	6/2/2009	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Dissolved Mercury	mg/L	-0.001	-0.001	-0.001	-0.001	0.00100	0.00100	0.00100	0.00000	0.00	0.00
Dissolved Molybdenum	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Nickel	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Selenium	mg/L	-0.001	-0.001	-0.001	-0.001	0.00	0.00	0.00	0.00	0.00	0.00
Dissolved Uranium	mg/L	0.018	0.025	0.022	0.025	0.02	0.02	0.03	0.00	0.01	0.03
Dissolved Vanadium	mg/L	-0.1	-0.1	-0.1	-0.1	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Zinc	mg/L	0.03	-0.01	-0.01	-0.01	0.01	0.02	0.03	0.01	ND	0.05
Total Iron	mg/L	-0.03	-0.07	-0.03	-0.07	0.03	0.05	0.07	0.02	ND	0.12
Total Manganese	mg/L	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	0.01	0.01
Gross Alpha	pCi/L	26.1	32	39.2	37.9	26.10	33.80	39.20	6.01	15.76	51.84
Gross Beta	pCi/L	28.5	21.9	18.8	21.4	18.80	22.65	28.50	4.13	10.26	35.04
Dissolved Ra-226	pCi/L	2.9	3.1	2.6	2.6	2.60	2.80	3.10	0.24	2.07	3.53
Dissolved Ra-228	pCi/L	2.3	4.2	4	5	2.30	3.88	5.00	1.14	0.47	7.28
Dissolved Ra-226+Ra-228	pCi/L	5.2	7.3	6.6	7.6	5.20	6.68	7.60	1.07	3.47	9.88

¹ Less than values are denoted by a minus sign in front of the detection limit.

² When the mean minus three standard deviations is a negative value, ND is written for "not detected".

Parameter value exceeds WDEQ-WQD Domestic Class-of-Use (Class I).

Parameter value exceeds WDEQ-WQD Agriculture Class-of-Use (Class II).

Parameter value exceeds WDEQ-WQD Livestock Class-of-Use (Class III).

Parameter value exceeds EPA MCL criterion.

MP-Well Data, Water Quality Criteria Exceedances and Outliers

Parameters	Units	Parameter Values ¹															
		MP-109				MP-110				MP-111				MP-112			
		12/1/09	12/16/09	1/5/10	2/2/10	4/21/09	5/5/09	5/19/09	6/2/09	4/21/09	5/7/09	5/21/09	6/4/09	4/21/09	5/5/09	5/19/09	6/2/09
Total Alkalinity as CaCO ₃	mg/L	73	55	69	74	104	103	105	108	94	120	108	110	47	35	33	39
CO ₃	mg/L	9	-5	8	-5	2	-1	-1	-1	-1	6	1	-1	24	20	-1	1
HCO ₃	mg/L	70	67	67	83	123	126	128	132	114	134	129	134	-1	-1	41	45
Dissolved Calcium	mg/L	53	45	51	52	51	50	54	53	46	56	60	55	36	32	33	38
Total Chloride	mg/L	7	7	7	6	5	5	5	5	7	6	5	6	8	7	7	7
Dissolved Fluoride	mg/L	0.2	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2
Dissolved Magnesium	mg/L	2	2	2	2	2	2	3	3	2	2	3	3	-1	-1	-1	-1
Total NH ₃ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05
Dissolved NO ₃ +NO ₂ -N	mg/L	-0.1	-0.1	-0.1	-0.1	-0.05	-0.05	-0.05	-0.05	0.16	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05
Dissolved Potassium	mg/L	5	5	5	5	16	12	10	8	2	7	6	5	13	11	10	9
Dissolved SiO ₂	mg/L	15.2	13.7	15.6	13	15	14.3	13.6	16.8	15	13.7	14.8	14.5	12.6	13.4	11.6	15
Dissolved Sodium	mg/L	32	29	35	35	38	35	34	33	32	35	33	34	38	37	36	40
Total SO ₄	mg/L	142	139	139	138	128	128	129	130	95	132	131	127	126	127	126	128
Specific Conductance at 25 °C	µmhos/cm	456	423	455	449	498	497	466	486	400	491	469	493	469	415	367	405
Laboratory pH	SU	9.28	8.58	8.88	9.07	8.41	8.38	8.26	8.14	8.08	8.61	8.49	8.31	10.7	10.2	9.21	9.3
TDS Dried at 180 °C	mg/L	313	294	290	236	328	314	328	341	259	340	348	340	279	261	257	240
Dissolved Aluminum	mg/L	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	0.3	0.3	0.2	0.2
Dissolved Arsenic	mg/L	0.002	0.002	0.001	0.001	0.009	0.007	0.005	0.005	0.001	0.008	0.006	0.005	0.022	0.026	0.027	0.027
Dissolved Barium	mg/L	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Dissolved Boron	mg/L	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Dissolved Cadmium	mg/L	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
Dissolved Chromium	mg/L	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05
Dissolved Copper	mg/L	-0.01	-0.01	-0.01	-0.01	-0.02	-0.01	-0.01	-0.01	-0.02	-0.01	-0.01	-0.01	-0.02	-0.01	-0.01	-0.01
Dissolved Iron	mg/L	-0.03	-0.03	-0.03	0.14	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
Dissolved Lead	mg/L	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
Dissolved Manganese	mg/L	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Dissolved Mercury	mg/L	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
Dissolved Molybdenum	mg/L	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Dissolved Nickel	mg/L	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05
Dissolved Selenium	mg/L	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	0.023	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
Dissolved Uranium	mg/L	0.085	0.082	0.082	0.083	0.241	0.254	0.254	0.275	0.320	0.297	0.295	0.273	0.263	0.301	0.408	0.405
Dissolved Vanadium	mg/L	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Dissolved Zinc	mg/L	-0.01	-0.01	0.01	-0.01	0.05	0.01	0.04	-0.01	0.05	-0.01	-0.01	-0.01	0.04	-0.01	-0.01	-0.01
Total Iron	mg/L	-0.03	-0.03	-0.03	-0.03	-0.03	-0.07	-0.03	-0.07	-0.03	-0.03	-0.03	-0.03	-0.03	-0.07	-0.03	-0.07
Total Manganese	mg/L	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Gross Alpha	pCi/L	107	109	136	148	2040	1700	1690	1460	300	1190	1380	1010	554	635	885	760
Gross Beta	pCi/L	44.7	35.8	51.3	54.2	816	646	507	479	111	457	399	337	275	270	261	271
Dissolved Ra-226	pCi/L	17	18	17	21	732	689	675	698	6.3	411	411	445	155	121	127	120
Dissolved Ra-228	pCi/L	3.6	3	4.1	2.8	5.6	10.8	5.9	7	1.5	5	4.2	6.2	1.9	2	2.4	2.2
Dissolved Ra-226+Ra-228	pCi/L	20.6	21	21.1	23.8	737.6	689	680.9	705	7.8	416	415.2	451.2	156.9	123	129.4	122.2

¹ Less than values are denoted by a minus sign in front of the detection limit.

² When the mean minus three standard deviations is a negative value, ND is written for "not detected".

Parameter value exceeds WDEQ-WQD Domestic Class-of-Use (Class I).

Parameter value exceeds WDEQ-WQD Agriculture Class-of-Use (Class II).

Parameter value exceeds WDEQ-WQD Livestock Class-of-Use (Class III).

Parameter value exceeds EPA MCL criterion.

Value is an outlier or calculation excludes outlier(s).

MP-Well Data, Water Quality Criteria Exceedances and Outliers

Parameters	Units	Parameter Values ¹				Outlier Tolerance Interval Calculation						Values with Outliers (if any) Removed					
		MP-113				No. of Obs.	Mean	Tolerance Limit Factor	Standard Deviation	Lower Range	Upper Range	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
		4/22/09	5/6/09	5/20/09	6/3/09												
Total Alkalinity as CaCO ₃	mg/L	101	99	106	105	52	98.62	3.094	23.48	25.98	171.25	33.00	98.62	130.00	23.48	28.19	169.04
CO ₃	mg/L	9	7	5	5	52	2.79	3.094	4.49	-11.09	16.67	1.00	1.61	9.00	1.77	ND	6.92
HCO ₃	mg/L	106	107	119	118	52	116.10	3.094	35.20	7.17	225.02	41.00	124.96	158.00	23.60	54.16	195.75
Dissolved Calcium	mg/L	66	58	66	63	52	59.46	3.094	13.85	16.60	102.33	32.00	59.46	85.00	13.85	17.90	101.02
Total Chloride	mg/L	20	17	11	11	52	6.48	3.094	2.95	-2.66	15.62	4.00	6.48	20.00	2.95	ND	15.34
Dissolved Fluoride	mg/L	0.2	0.2	0.2	0.1	52	0.17	3.094	0.05	0.01	0.33	0.10	0.17	0.30	0.05	0.02	0.32
Dissolved Magnesium	mg/L	3	2	2	3	52	2.62	3.094	0.93	-0.27	5.50	1.00	2.62	4.00	0.93	ND	5.41
Total NH ₃ -N	mg/L	0.08	0.08	-0.05	-0.05	52	0.06	3.094	0.06	-0.12	0.24	0.05	0.06	0.39	0.06	ND	0.24
Dissolved NO ₃ +NO ₂ -N	mg/L	-0.05	-0.05	-0.05	-0.05	52	0.06	3.094	0.02	-0.01	0.12	0.05	0.06	0.16	0.02	ND	0.12
Dissolved Potassium	mg/L	7	5	5	4	52	4.77	3.094	3.38	-5.69	15.23	2.00	4.77	16.00	3.38	ND	14.91
Dissolved SiO ₂	mg/L	12.6	14.3	11.9	13.7	52	14.48	3.094	1.16	10.88	18.08	11.60	14.48	17.20	1.16	10.99	17.97
Dissolved Sodium	mg/L	40	34	37	35	52	35.21	3.094	9.29	6.48	63.95	25.00	35.21	72.00	9.29	7.35	63.07
Total SO ₄	mg/L	143	142	148	146	52	141.46	3.094	20.93	76.69	206.23	95.00	141.46	192.00	20.93	78.66	204.27
Specific Conductance at 25 °C	µmhos/cm	567	551	529	531	52	502.98	3.094	58.99	320.47	685.49	367.00	502.98	606.00	58.99	326.02	679.95
Laboratory pH	SU	8.95	8.9	8.64	8.57	52	8.36	3.094	0.61	6.48	10.25	7.69	8.36	10.70	0.61	6.54	10.19
TDS Dried at 180 °C	mg/L	375	366	370	371	52	341.12	3.094	48.23	191.90	490.33	236.00	341.12	425.00	48.23	196.43	485.80
Dissolved Aluminum	mg/L	-0.1	-0.1	-0.1	-0.1	52	0.11	3.094	0.04	-0.02	0.24	0.10	0.11	0.30	0.04	ND	0.24
Dissolved Arsenic	mg/L	0.006	0.004	0.004	0.004	52	0.01	3.094	0.007	-0.015	0.029	0.001	0.007	0.027	0.007	ND	0.03
Dissolved Barium	mg/L	-0.1	-0.1	-0.1	-0.1	52	0.10	3.094	0.00	0.10	0.10	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Boron	mg/L	-0.1	-0.1	-0.1	-0.1	52	0.10	3.094	0.00	0.10	0.10	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Cadmium	mg/L	-0.005	-0.005	-0.005	-0.005	52	0.01	3.094	0.000	0.005	0.005	0.005	0.005	0.005	0.00	0.00	0.01
Dissolved Chromium	mg/L	-0.05	-0.05	-0.05	-0.05	52	0.05	3.094	0.00	0.05	0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Copper	mg/L	-0.01	-0.01	-0.01	-0.01	52	0.01	3.094	0.00	0.00	0.02	0.01	0.01	0.02	0.00	0.00	0.02
Dissolved Iron	mg/L	-0.03	-0.03	-0.03	-0.03	52	0.03	3.094	0.02	-0.02	0.08	0.03	0.03	0.14	0.02	ND	0.08
Dissolved Lead	mg/L	-0.001	-0.001	-0.001	-0.001	52	0.00	3.094	0.000	0.000	0.002	0.001	0.001	0.002	0.000	0.00	0.00
Dissolved Manganese	mg/L	-0.01	-0.01	-0.01	-0.01	52	0.01	3.094	0.01	-0.01	0.04	0.01	0.01	0.04	0.01	ND	0.04
Dissolved Mercury	mg/L	-0.001	-0.001	-0.001	-0.001	52	0.00	3.094	0.00000	0.00100	0.00100	0.00100	0.00100	0.00100	0.00000	0.00	0.00
Dissolved Molybdenum	mg/L	-0.1	-0.1	-0.1	-0.1	52	0.10	3.094	0.00	0.10	0.10	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Nickel	mg/L	-0.05	-0.05	-0.05	-0.05	52	0.05	3.094	0.00	0.05	0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Selenium	mg/L	-0.001	-0.001	-0.001	-0.001	52	0.003	3.094	0.005	-0.01	0.02	0.001	0.003	0.015	0.004	ND	0.01
Dissolved Uranium	mg/L	0.184	0.144	0.138	0.142	52	0.17	3.094	0.13	-0.22	0.56	0.01	0.17	0.45	0.13	ND	0.55
Dissolved Vanadium	mg/L	-0.1	-0.1	-0.1	-0.1	52	0.10	3.094	0.00	0.10	0.10	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Zinc	mg/L	-0.01	-0.01	-0.01	-0.01	52	0.02	3.094	0.01	-0.02	0.05	0.01	0.02	0.05	0.01	ND	0.05
Total Iron	mg/L	-0.07	-0.03	-0.03	-0.03	52	0.63	3.094	3.34	-9.70	10.97	0.03	0.63	23.80	3.34	ND	10.65
Total Manganese	mg/L	-0.01	-0.02	-0.02	-0.01	52	0.03	3.094	0.08	-0.21	0.27	0.01	0.03	0.57	0.08	ND	0.26
Gross Alpha	pCi/L	1270	682	1260	1050	52	640.86	3.094	478.56	-839.80	2121.52	23.80	640.86	2040.00	478.56	ND	2076.54
Gross Beta	pCi/L	466	385	340	351	52	228.23	3.094	171.82	-303.38	759.85	11.30	231.19	646.00	149.45	ND	679.55
Dissolved Ra-226	pCi/L	515	595	530	568	52	241.72	3.094	218.69	-434.91	918.36	2.50	241.72	732.00	218.69	ND	897.80
Dissolved Ra-228	pCi/L	4.6	6.8	5	5.8	52	4.12	3.094	2.09	-2.36	10.60	0.30	4.04	8.90	1.95	ND	9.90
Dissolved Ra-226+Ra-228	pCi/L	519.6	601.8	535	573.8	52	245.63	3.094	219.80	-434.42	925.69	3.20	245.63	737.60	219.80	ND	905.03

¹ Less than values are denoted by a minus sign in front of the detection limit.

² When the mean minus three standard deviations is a negative value, ND is written for "not detected".

Parameter value exceeds WDEQ-WQD Domestic Class-of-Use (Class I).

Parameter value exceeds WDEQ-WQD Agriculture Class-of-Use (Class II).

Parameter value exceeds WDEQ-WQD Livestock Class-of-Use (Class III).

Parameter value exceeds EPA MCL criterion.

Value is an outlier or calculation excludes outlier(s).

MP-Well Data, Water Quality Criteria Exceedances and Outliers

Parameters	Units	Parameter Values ¹															
		MP-110				MP-111				MP-112				MP-113			
		4/21/09	5/5/09	5/19/09	6/2/09	4/21/09	5/7/09	5/21/09	6/4/09	4/21/09	5/5/09	5/19/09	6/2/09	4/22/09	5/6/09	5/20/09	6/3/09
Total Alkalinity as CaCO ₃	mg/L	104	103	105	108	94	120	108	110	47	35	33	39	101	99	106	105
CO ₃	mg/L	2	-1	-1	-1	-1	6	1	-1	24	20	-1	1	9	7	5	5
HCO ₃	mg/L	123	126	128	132	114	134	129	134	-1	-1	41	45	106	107	119	118
Dissolved Calcium	mg/L	51	50	54	53	46	56	60	55	36	32	33	38	66	58	66	63
Total Chloride	mg/L	5	5	5	5	7	6	5	6	8	7	7	7	20	17	11	11
Dissolved Fluoride	mg/L	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1
Dissolved Magnesium	mg/L	2	2	3	3	2	2	3	3	-1	-1	-1	-1	3	2	2	3
Total NH ₃ -N	mg/L	0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	0.08	0.08	-0.05	-0.05
Dissolved NO ₃ +NO ₂ -N	mg/L	-0.05	-0.05	-0.05	-0.05	0.16	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05
Dissolved Potassium	mg/L	16	12	10	8	2	7	6	5	13	11	10	9	7	5	5	4
Dissolved SiO ₂	mg/L	15	14.3	13.6	16.8	15	13.7	14.8	14.5	12.6	13.4	11.6	15	12.6	14.3	11.9	13.7
Dissolved Sodium	mg/L	38	35	34	33	32	35	33	34	38	37	36	40	40	34	37	35
Total SO ₄	mg/L	128	128	129	130	95	132	131	127	126	127	126	128	143	142	148	146
Specific Conductance at 25 °C	µmhos/cm	498	497	466	486	400	491	469	493	469	415	367	405	567	551	529	531
Laboratory pH	SU	8.41	8.38	8.26	8.14	8.08	8.61	8.49	8.31	10.7	10.2	9.21	9.3	8.95	8.9	8.64	8.57
TDS Dried at 180 °C	mg/L	328	314	328	341	259	340	348	340	279	261	257	240	375	366	370	371
Dissolved Aluminum	mg/L	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	0.3	0.3	0.2	0.2	-0.1	-0.1	-0.1	-0.1
Dissolved Arsenic	mg/L	0.009	0.007	0.005	0.005	0.001	0.008	0.006	0.005	0.022	0.026	0.027	0.027	0.006	0.004	0.004	0.004
Dissolved Barium	mg/L	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Dissolved Boron	mg/L	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Dissolved Cadmium	mg/L	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
Dissolved Chromium	mg/L	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05
Dissolved Copper	mg/L	-0.02	-0.01	-0.01	-0.01	-0.02	-0.01	-0.01	-0.01	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Dissolved Iron	mg/L	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
Dissolved Lead	mg/L	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
Dissolved Manganese	mg/L	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Dissolved Mercury	mg/L	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
Dissolved Molybdenum	mg/L	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Dissolved Nickel	mg/L	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05
Dissolved Selenium	mg/L	-0.001	-0.001	-0.001	-0.001	0.023	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
Dissolved Uranium	mg/L	0.241	0.254	0.254	0.275	0.320	0.297	0.295	0.273	0.263	0.301	0.408	0.405	0.184	0.144	0.138	0.142
Dissolved Vanadium	mg/L	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Dissolved Zinc	mg/L	0.05	0.01	0.04	-0.01	0.05	-0.01	-0.01	-0.01	0.04	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Total Iron	mg/L	-0.03	-0.07	-0.03	-0.07	-0.03	-0.03	-0.03	-0.03	-0.03	-0.07	-0.03	-0.07	-0.07	-0.03	-0.03	-0.03
Total Manganese	mg/L	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.02	-0.02	-0.01
Gross Alpha	pCi/L	2040	1700	1690	1460	300	1190	1380	1010	554	635	885	760	1270	682	1260	1050
Gross Beta	pCi/L	816	646	507	479	111	457	399	337	275	270	261	271	466	385	340	351
Dissolved Ra-226	pCi/L	732	689	675	698	6.3	411	411	445	155	121	127	120	515	595	530	568
Dissolved Ra-228	pCi/L	5.6	10.8	5.9	7	1.5	5	4.2	6.2	1.9	2	2.4	2.2	4.6	6.8	5	5.8
Dissolved Ra-226+Ra-228	pCi/L	737.6	689	680.9	705	7.8	416	415.2	451.2	156.9	123	129.4	122.2	519.6	601.8	535	573.8

¹ Less than values are denoted by a minus sign in front of the detection limit.

² When the mean minus three standard deviations is a negative value, ND is written for "not detected".

Parameter value exceeds WDEQ-WQD Domestic Class-of-Use (Class I).

Parameter value exceeds WDEQ-WQD Agriculture Class-of-Use (Class II).

Parameter value exceeds WDEQ-WQD Livestock Class-of-Use (Class III).

Parameter value exceeds EPA MCL criterion.

Value is an outlier or calculation excludes outlier(s).

MP-Well Data, Water Quality Criteria Exceedances and Outliers

Parameters	Units	Outlier Tolerance Interval Calculation						Values with Outliers (if any) Removed					
		No. of Obs.	Mean	Tolerance Limit Factor	Standard Deviation	Lower Range	Upper Range	Minimum	Mean	Maximum	Standard Deviation	Mean ± 3 Standard Deviations ²	
Total Alkalinity as CaCO ₃	mg/L	48	101.19	3.126	22.48	30.92	171.46	33.00	101.19	130.00	22.48	33.75	168.62
CO ₃	mg/L	48	2.46	3.126	4.49	-11.57	16.48	1.00	1.61	9.00	1.77	ND	6.92
HCO ₃	mg/L	48	119.79	3.126	34.06	13.33	226.25	41.00	124.96	158.00	23.60	54.16	195.75
Dissolved Calcium	mg/L	48	60.23	3.126	14.13	16.06	104.40	32.00	60.23	85.00	14.13	17.84	102.62
Total Chloride	mg/L	48	6.46	3.126	3.07	-3.15	16.07	4.00	6.46	20.00	3.07	ND	15.68
Dissolved Fluoride	mg/L	48	0.17	3.126	0.05	0.01	0.33	0.10	0.17	0.30	0.05	0.02	0.32
Dissolved Magnesium	mg/L	48	2.67	3.126	0.95	-0.31	5.65	1.00	2.67	4.00	0.95	ND	5.53
Total NH ₃ -N	mg/L	48	0.06	3.126	0.06	-0.12	0.25	0.05	0.06	0.39	0.06	ND	0.24
Dissolved NO ₃ +NO ₂ -N	mg/L	48	0.05	3.126	0.02	0.00	0.11	0.05	0.05	0.16	0.02	0.00	0.10
Dissolved Potassium	mg/L	48	4.75	3.126	3.52	-6.26	15.76	2.00	4.75	16.00	3.52	ND	15.32
Dissolved SiO ₂	mg/L	48	14.49	3.126	1.17	10.82	18.15	11.60	14.49	17.20	1.17	10.97	18.00
Dissolved Sodium	mg/L	48	35.42	3.126	9.62	5.35	65.48	25.00	35.42	72.00	9.62	6.56	64.27
Total SO ₄	mg/L	48	141.63	3.126	21.79	73.50	209.75	95.00	141.63	192.00	21.79	76.24	207.01
Specific Conductance at 25 °C	µmhos/cm	48	507.75	3.126	58.81	323.91	691.59	367.00	507.75	606.00	58.81	331.32	684.18
Laboratory pH	SU	48	8.32	3.126	0.60	6.43	10.20	7.69	8.32	10.70	0.60	6.50	10.13
TDS Dried at 180 °C	mg/L	48	345.94	3.126	46.32	201.14	490.73	240.00	345.94	425.00	46.32	206.98	484.89
Dissolved Aluminum	mg/L	48	0.11	3.126	0.04	-0.03	0.25	0.10	0.11	0.30	0.04	ND	0.25
Dissolved Arsenic	mg/L	48	0.01	3.126	0.007	-0.015	0.030	0.001	0.007	0.027	0.007	ND	0.03
Dissolved Barium	mg/L	48	0.10	3.126	0.00	0.10	0.10	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Boron	mg/L	48	0.10	3.126	0.00	0.10	0.10	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Cadmium	mg/L	48	0.01	3.126	0.000	0.005	0.005	0.005	0.005	0.005	0.00	0.00	0.01
Dissolved Chromium	mg/L	48	0.05	3.126	0.00	0.05	0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Copper	mg/L	48	0.01	3.126	0.00	0.00	0.02	0.01	0.01	0.02	0.00	0.00	0.02
Dissolved Iron	mg/L	48	0.03	3.126	0.00	0.03	0.03	0.03	0.03	0.03	0.00	0.03	0.03
Dissolved Lead	mg/L	48	0.00	3.126	0.000	0.000	0.002	0.001	0.001	0.002	0.000	0.00	0.00
Dissolved Manganese	mg/L	48	0.01	3.126	0.01	-0.01	0.04	0.01	0.01	0.04	0.01	ND	0.04
Dissolved Mercury	mg/L	48	0.00	3.126	0.00000	0.00100	0.00100	0.00100	0.00100	0.00100	0.00000	0.00	0.00
Dissolved Molybdenum	mg/L	48	0.10	3.126	0.00	0.10	0.10	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Nickel	mg/L	48	0.05	3.126	0.00	0.05	0.05	0.05	0.05	0.05	0.00	0.05	0.05
Dissolved Selenium	mg/L	48	0.003	3.126	0.005	-0.01	0.02	0.001	0.003	0.015	0.004	ND	0.01
Dissolved Uranium	mg/L	48	0.18	3.126	0.13	-0.22	0.58	0.01	0.18	0.45	0.13	ND	0.56
Dissolved Vanadium	mg/L	48	0.10	3.126	0.00	0.10	0.10	0.10	0.10	0.10	0.00	0.10	0.10
Dissolved Zinc	mg/L	48	0.02	3.126	0.01	-0.02	0.05	0.01	0.02	0.05	0.01	ND	0.05
Total Iron	mg/L	48	0.68	3.126	3.47	-10.18	11.54	0.03	0.68	23.80	3.47	ND	11.11
Total Manganese	mg/L	48	0.03	3.126	0.08	-0.23	0.28	0.01	0.03	0.57	0.08	ND	0.27
Gross Alpha	pCi/L	48	683.85	3.126	473.23	-795.47	2163.17	23.80	683.85	2040.00	473.23	ND	2103.54
Gross Beta	pCi/L	48	243.38	3.126	170.25	-288.83	775.59	11.30	231.19	646.00	149.45	ND	679.55
Dissolved Ra-226	pCi/L	48	260.35	3.126	217.47	-419.46	940.15	2.50	260.35	732.00	217.47	ND	912.75
Dissolved Ra-228	pCi/L	48	4.18	3.126	2.16	-2.59	10.95	0.30	4.04	8.90	1.95	ND	9.90
Dissolved Ra-226+Ra-228	pCi/L	48	264.30	3.126	218.62	-419.11	947.71	3.20	264.30	737.60	218.62	ND	920.17

¹ Less than values are denoted by a minus sign in front of the detection limit.

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