



Table 5-2 - Parameters Detected at or Above Drinking Water Regulations MCLs or RBCs

Methylene Chloride	5.00	4.10			5.00B	10.00B	10.00B		10.00B
Chloroform	100.00	0.15	3.00B					1.00	
Trichloroethene	5.00	1.60		7.00			13.00		
Heptachlor	0.40	0.0023						0.006B	
Chromium	100.00								
Lead	15.00			89.60F					
Aluminum, total		50.00	37000.00		1350.00	532.00	135.00K	742.00	
Aluminum, dissolved		50.00	37000.00		129.00				
Iron, total		300.00	11000.00		2280.00		13100.00		1050.00
Iron, dissolved		300.00	11000.00						
Manganese, total		50.00	180.00	126.00		167.00	423.00	197.00	89.60
Manganese, dissolved		50.00	180.00		53.30				
Chloride		250.00						254.00	
1,1,2,2-Trichloroethane			0.052				2.00		
Chloromethane			1.40						

Validator qualifiers are provided in Appendix H.

PARAMETERS			NB05					
	MCL	RBCTAP	Round 4					
			Result	LQ	VQ	Result	LQ	VQ
<b>Volatiles (µg/L)</b>								
Trichloroethene	5.000 P	1.600	7.00	J				
<b>Total Metals (µg/L)</b>								
Barium, Total	2000.000 P	2600.000	29.7	B				
Boron, Total		3300.000	28.2		K			
Calcium, Total			19000.0					
Iron, Total	300.000 S	11000.000	210.0					
Magnesium, Total			3130.0	B	B			
Manganese, Total	50.000 S	180.000	126.0					
Nickel, Total	100.000 P	730.000	77.9					
Potassium, Total			12100.0					
Selenium, Total	50.000 P	180.000	1.10	B	B			
Sodium, Total			47000.0					
Zinc, Total	5000.000 S	11000.000	69.7					
<b>Wet Chemistry (mg/L)</b>								
Bicarbonate Alkalinity			27.0					
Bromide			0.994					
Chloride	250.000 S		83.5					
Fluoride	2.000 S	2.200	0.174					
Nitrate	10.000 P	58.000	0.216					
Phosphorus, Total			0.328		B			
Silica			3.68					
Sulfate	250.000 S		92.7					
Total Dissolved Solids	500.000 S		219.0					
Total Hardness			68.8					
<b>Radiological (pCi/L)</b>								
Gross Alpha	15.000 P		1.00 ±.41					
Gross Beta	a		10.0 ±.71					
<b>Gamma Spectral Analysis (pCi/L)</b>								
Lead-212	a, c		1.40 ±.8		U			
Radium-224	a, f		16.0 ±.90		U			
Radium-226	a, g		3.10 ±.130		J			

**Detected Compound Summary**

Groundwater, Round 1

GP-R-71196003 - Final, July 1996

PARAMETERS			WW-24					
	MCL	RBCTAP	Round 4					
			Result	LQ	VQ	Result	LQ	VQ
<b>Volatiles (ug/L)</b>								
Acetone		3700.000	11.0		B			
Carbon Disulfide		1000.000	1.00	J				
Methylene chloride	5.000 P	4.100	5.00	BJ	B			
Toluene	1000.000 P	750.000	2.00	BJ	B			
<b>Total Metals (ug/L)</b>								
Aluminum, Total	50.000 S	37000.000	1350.0					
Barium, Total	2000.000 P	2600.000	26.3	B				
Calcium, Total			4890.0	B				
Iron, Total	300.000 S	11000.000	2280.0					
Lead, Total	15.000 P		1.20	BN*	J			
Magnesium, Total			1350.0	B				
Manganese, Total	50.000 S	180.000	46.9		J			
Mercury, Total	2.000 P	11.000	0.100	B				
Potassium, Total			745.0	B				
Selenium, Total	50.000 P	180.000	1.70	B	B			
Sodium, Total			11000.0		J			
<b>Dissolved Metals (ug/L)</b>								
Aluminum, Dissolved	50.000 S	37000.000	129.0	B				
Calcium, Dissolved			5300.0					
Iron, Dissolved	300.000 S	11000.000	247.0					
Magnesium, Dissolved			1550.0	B				
Manganese, Dissolved	50.000 S	180.000	53.3					
Potassium, Dissolved			607.0	B				
Selenium, Dissolved	50.000 P	180.000	0.710	B				
Sodium, Dissolved			12300.0					
Zinc, Dissolved	5000.000 S	11000.000	13.2	B				
<b>Explosives (ug/L)</b>								
2,4,6-Trinitrotoluene		2.200	1.29		L			
<b>Wet Chemistry (mg/L)</b>								
Bicarbonate Alkalinity			11.3					
Bromide			0.260					
Chloride	250.000 S		7.54					
Nitrate	10.000 P	58.000	0.160					
Phosphorus, Total			0.461		B			
Silica			17.9					
Sulfate	250.000 S		19.9					
Total Dissolved Solids	500.000 S		94.0					
Total Hardness			24.0					
<b>Radological (pCi/L)</b>								
Gross Alpha	15.000 P		1.40 ±.71					
Gross Beta	a		1.00 ±.67					
<b>Gamma Spectral Analysis (pCi/L)</b>								
Lead-212	a, c		2.20 ±10		J			
Lead-214	a, d		86.0 ±64					
Potassium-40	a, c		11.0 ±66		J			
Radium-224	a, f		25.0 ±120		J			

**Detected Compound Summary**

Groundwater, Round 1

GP-R-71196003 - Final, July 1996

PARAMETERS			WW-27					
	MCL	RBCTAP	Round 4					
			Result	LQ	VQ	Result	LQ	VQ
<b>Volatiles (ug/L)</b>								
Acetone		3700.000	14.0		B			
Chloroform	100.000 P	0.150	1.00	J				
Methylene chloride	5.000 P	4.100	3.00	BJ	B			
<b>Semivolatiles (ug/L)</b>								
Di(2-Ethylhexyl)phthalate		4.800	1.00	J				
<b>Pesticides (ug/L)</b>								
Heptachlor	0.400 P	0.0023	0.006	JP	B			
<b>Total Metals (ug/L)</b>								
Aluminum, Total	50.000 S	37000.000	742.0					
Antimony, Total	6.000 P	15.000	0.890	B				
Barium, Total	2000.000 P	2600.000	247.0					
Boron, Total		3300.000	21.1					
Calcium, Total			8890.0					
Iron, Total	300.000 S	11000.000	158.0					
Magnesium, Total			10000.0					
Manganese, Total	50.000 S	180.000	197.0					
Potassium, Total			1580.0	B				
Sodium, Total			160000.0					
Zinc, Total	5000.000 S	11000.000	32.7	*				
<b>Wet Chemistry (mg/L)</b>								
Bicarbonate Alkalinity			47.0					
Bromide			0.208					
Chloride	250.000 S		254.0					
Fluoride	2.000 S	2.200	0.210					
Nitrate	10.000 P	58.000	0.832					
Phosphorus, Total			0.080		B			
Silica			14.0					
Sulfate	250.000 S		14.1					
Total Dissolved Solids	500.000 S		499.0					
Total Hardness			63.9		K			
<b>Radiological (pCi/L)</b>								
Gross Alpha	15.000 P		2.90 ±1.6					
Gross Beta	a		7.50 ±1.7					
<b>Gamma Spectral Analysis (pCi/L)</b>								
Lead-212	a, c		1.30 ±9.7	J				
Lead-214	a, d		120.0 ±63					
Radium-224	a, f		13.0 ±110	J				
Radium-226	a, g		39.0 ±110	J				

Table 5-2 - Parameters Detected At or Above Drinking Water Regulations MCLs or RBCs

Bromodichloromethane	100.00		0.17							1.00 J		
Chloroform	100.00		0.15	3.00 B						9.00 J		
Methylene Chloride	5.00		4.10		5.00 B			12.00 B		5.00 B		
Cadmium, total	5.00		18.00			11.20 L						
Nickel, total	100.00		730.00			281.00						
Aluminum, total		50.00	37000.00				238.00	628.00 B	107.00 L	424.00	274.00 B	
Iron, total		300.00	11000.00			415.00	382.00		18400.00	426.00	397.00	1060.00
Iron, dissolved		300.00	11000.00									542.00
Manganese, total		50.00	180.00			138.00	51.00	201.00	637.00	58.60	185.00	
Chloride		250.00				397.00						
Total Dissolved Solids		500.00				701.00						

Laboratory and validator data qualifiers are provided in Appendix H.

PARAMETERS	NB05							
	MCL	RBCTAP	Round 1			Round 2		
			Result	LQ	VQ	Result	LQ	VQ
<b>Volatiles (ug/L)</b>								
Methylene chloride	5.000 P	4.100	10.0	U		3.000	BJ	B
Toluene	1000.000 P	750.000	10.0	U		2.000	BJ	B
Trichloroethene	5.000 P	1.600	7.00	J		10.000	U	UJ
<b>Total Metals (ug/L)</b>								
Barium, Total	2000.000 P	2600.000	29.7	B		77.600	B	
Boron, Total		3300.000	28.2		K	35.700		K
Cadmium, Total	5.000 P	18.000	4.00	U	UL	11.200		L
Calcium, Total			19000.0			52800.000		
Chromium, Total	100.000 P	180.000	9.80	U		53.900		
Cobalt, Total		2200.000	12.8	U		15.600	B	
Copper, Total	1300.000 P	1500.000	9.00	U		13.100	B	B
Iron, Total	300.000 S	11000.000	210.0			415.000		
Magnesium, Total			3150.0	B	B	8870.000		K
Manganese, Total	50.000 S	180.000	126.0			138.000		
Nickel, Total	100.000 P	730.000	77.9			281.000		
Potassium, Total			12100.0			13000.000		
Selenium, Total	50.000 P	180.000	1.10	B	B	1.500	ERNW	L
Sodium, Total			47000.0			182000.000		
Zinc, Total	5000.000 S	11000.000	69.7			486.000	*	J
<b>Wet Chemistry (mg/L)</b>								
Bicarbonate Alkalinity			27.0			18.800		
Bromide			0.994			2.260		
Chloride	250.000 S		83.5			397.000		
Fluoride	2.000 S	2.200	0.174			0.100	U	
Nitrate	10.000 P	58.000	0.216			0.219		
Phosphorus, Total			0.328		B	4.460		B
Silica			3.68			1.690		
Sulfate	250.000 S		32.7			40.100		
Total Dissolved Solids	500.000 S		219.0			701.000		
Total Hardness			68.8			194.000		
<b>Radiological (pCi/L)</b>								
Gross Alpha	15.000 P		1.00 ±.41			2.100		LK
Gross Beta	a		10.0 ±.71			15.000±2.1		
<b>Gamma Spectral Analysis (pCi/L)</b>								
Lead-212	a, c		1.40 ±.8		U	2.900±8.8		B
Potassium-40	a, c		96.0	U	U	33.000±47		
Radium-224	a, f		16.0 ±.90		U	33.000±100		B
Radium-226	a, g		3.10 ±.130		J	7.500±110		B

PARAMETERS			WW-24					
	MCL	RBCTAP	Round 1			Round 2		
			Result	LQ	VQ	Result	LQ	VQ
Volatiles (mg/L)								
Acetone		3700.000	11.0		B	10.000	U	
Carbon Disulfide		1000.000	1.00	J		10.000	U	
Methylene chloride	5.000 P	4.100	5.00	BJ	B	2.000	BJ	B
Toluene	1000.000 P	750.000	2.00	BJ	B	10.000	U	
Total Metals (ug/L)								
Aluminum, Total	50.000 S	37000.000	1350.0			238.000		
Barium, Total	2000.000 P	2600.000	26.3	B		17.000	U	
Calcium, Total			4890.0	B		2930.000	B	
Iron, Total	300.000 S	11000.000	2280.0			382.000		
Lead, Total	15.000 P		1.20	BN*	J	0.600	UN	UL
Magnesium, Total			1350.0	B		1840.000	B	
Manganese, Total	50.000 S	180.000	46.9		J	51.000		
Mercury, Total	2.000 P	11.000	0.100	B		0.100	U	
Potassium, Total			745.0	B		330.000	U	
Selenium, Total	50.000 P	180.000	1.70	B	B	1.000	U	
Silver, Total	100.000 S	180.000	0.20	U		1.900	B	
Sodium, Total			11000.0		J	16400.000		
Zinc, Total	5000.000 S	11000.000	6.30	U		28.600		
Dissolved Metals (mg/L)								
Aluminum, Dissolved	50.000 S	37000.000	129.0	B		NA		
Calcium, Dissolved			5300.0			NA		
Iron, Dissolved	300.000 S	11000.000	247.0			NA		
Magnesium, Dissolved			1550.0	B		NA		
Manganese, Dissolved	50.000 S	180.000	53.3			NA		
Potassium, Dissolved			607.0	B		NA		
Selenium, Dissolved	50.000 P	180.000	0.710	B		NA		
Sodium, Dissolved			12300.0			NA		
Zinc, Dissolved	5000.000 S	11000.000	13.2	B		NA		
Explosives (ug/L)								
2,4,6-Trinitrotoluene		2.200	1.29		L	0.380	U	
Wet Chemistry (mg/L)								
Bicarbonate Alkalinity			11.3			14.400		
Bromide			0.260			0.100	U	
Chloride	250.000 S		7.54			7.990		
Nitrate	10.000 P	58.000	0.160			0.250		
Phosphorus, Total			0.461		B	0.874		
Silica			17.9			17.900		
Sulfate	250.000 S		19.9			24.500		
Total Dissolved Solids	500.000 S		94.0			93.000		
Total Hardness			24.0			18.600		
Radiological (pCi/L)								
Gross Alpha	15.000 P		1.40 ± 71			0.760		U
Gross Beta	a		1.00 ± 67			0.950 ± 0.56		B
Gamma Spectral Analysis (pCi/L)								
Lead-212	a, c		2.20 ± 10		J	11.000	U	
Lead-214	a, d		26.0 ± 64			180.000 ± 81		
Potassium-40	a, e		11.0 ± 66		J	100.000	U	





PARAMETERS	WW-27							
	MCL	RBCTAP	Round 1			Round 2		
			Result	LQ	VQ	Result	LQ	VQ
<b>Volatiles (ug/L)</b>								
Acetone		3700.000	14.0		B	10.000	U	UJ
Bromodichloromethane	100.000 P	0.170	10.0	U		1.000	J	J
Chloroform	100.000 P	0.150	1.00	J		9.000	J	J
Methylene chloride	5.000 P	4.100	3.00	BJ	B	5.000	BJ	B
<b>Semivolatiles (ug/L)</b>								
bis(2-Ethylhexyl)phthalate		4.800	1.00	J		10.000	U	
<b>Polynuclear PCBs (ug/L)</b>								
4,4'-DDE		0.200	0.10	U		0.004	JP	J
Heptachlor	0.400 P	0.0023	0.006	JP	B	0.050	U	
<b>Total Metals (mg/L)</b>								
Aluminum, Total	50.000 S	37000.000	742.0			424.000		
Antimony, Total	6.000 P	15.000	0.890	B		3.000	U	
Barium, Total	2000.000 P	2600.000	247.0			61.700	B	
Boron, Total		3300.000	21.1			12.000	U	
Calcium, Total			8890.0			4650.000	B	
Chromium, Total	100.000 P	180.000	9.80	U		14.800		B
Iron, Total	300.000 S	11000.000	158.0			426.000		
Magnesium, Total			10000.0			3810.000	B	
Manganese, Total	50.000 S	180.000	197.0			58.600		
Potassium, Total			1580.0	B		876.000	B	
Silver, Total	100.000 S	180.000	0.20	U		3.300	BW	J
Sodium, Total			160000.0			123000.000		
Zinc, Total	5000.000 S	11000.000	32.7	*		27.800		
<b>Wet Chemistry (mg/L)</b>								
Bicarbonate Alkalinity			47.0			8.880		
Bromide			0.208			0.100	U	
Chloride	250.000 S		254.0			186.000		
Fluoride	2.000 S	2.200	0.210			0.504		
Nitrate	10.000 P	58.000	0.832			0.410		
Phosphorus, Total			0.080		B	1.110		
Silica			14.0			9.260		
Sulfate	250.000 S		14.1			18.300		
Total Dissolved Solids	500.000 S		499.0			333.000		
Total Hardness			63.9		K	29.900		
<b>Radiological (pCi/L)</b>								
Gross Alpha	15.000 P		2.90 ±1.6			1.000		U
Gross Beta	a		7.50 ±1.7			1.200±1.3		
<b>Gamma Spectral Analysis (pCi/L)</b>								
Lead-210	a, b		500.0	U	U	17.000±89		B
Lead-212	a, c		1.30 ±9.7		J	1.100±8.3		
Lead-214	a, d		120.0 ±63			95.000±65		
Potassium-40	a, e		91.0	U	U	130.000±61		B
Radium-224	a, f		15.0 ±110		J	13.000±93		
Radium-226	a, g		39.0 ±110		J	150.000	U	
Uranium-235			8.50	U	U	3.100±6.3		

### Data Validator Qualifiers

#### Organic Qualifier Codes

- U = Analyzed for, but not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.
- B = Not detected substantially above the level reported in the laboratory or field blanks.
- R = The data values are unusable. (Note: The analyte may or may not be present.)
- N = Tentative identification. Consider present. Special methods may be needed to confirm presence or absence in future sampling efforts.
- J = Estimated value. Analyte is present at a level between the MDL and Contract Required Quantitation Limit (CRQL).
- K = The analyte is present. The reported value may be biased high. The actual value is expected to be lower than reported.
- L = The analyte is present. The reported values may be biased low. The actual value is expected to be higher than reported.
- UJ = The analyte was analyzed for, but was not detected. The associated detection limit is an estimate and may be inaccurate or imprecise.
- UL = The analyte was not detected and the reported quantitation limit is probably higher than reported.
- NJ = Qualitative identification questionable due to poor resolution. Presumptively present at an approximate quantity.
- Q = No analytical results

#### Inorganic Qualifier Codes

- U = Analyzed for, but not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.
- J = The associated value is an estimated quantity.
- R = The data values are unusable. (Note: The analyte may or may not be present.)
- UJ = The analyte was analyzed for, but was not detected. The associated detection limit is an estimate and may be inaccurate or imprecise.
- K = The analyte is present. The reported value may be biased high. The actual value is expected to be lower than reported.
- L = The analyte is present. The reported values may be biased low. The actual value is expected to be higher than reported.
- UL = The analyte was not detected and the reported quantitation limit is probably higher than reported.