Appendix B

Historical Data Tables

NONAME 1

DATA SOURCE:	USGS	USGS	USGS	USGS	USGS	USGS	USGS	USGS	USGS	USGS	USGS	USGS
ANALYTE\DATE	10/24/84	5/22/91	7/6/92	6/30/93	4/12/94	10/13/94	4/10/95	10/3/95	4/5/96	10/14/96	4/22/97	10/15/97
VOCs												
PCE (μg/L)	-	<0.2	-	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
TCE (μg/L)	-	<0.2	-	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
cis-1,2-DCE (μg/L)	-	-	-	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
trans-1,2-DCE (μg/L)	-	<0.2	-	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
total-1,2-DCE (μg/L)	-	-	-	-	-	-	-	-	-	-	-	-
Ethene (μg/L)	-	-	-	-	-	-	-	-	-	-	-	-
Ethane (μg/L)	-	-	-	-	-	-	-	-	-	-	-	-
Methane (μg/L)	-	-	-	-	-	-	-	-	-	-	-	-
Hydrogen Sulfide	-	-	-	-	-	-	-	-	-	-	-	-
ANIONS												
Nitrate (mg/L)	-	-	-	-	-	-	0.6	-	-	-	-	-
Nitrite (mg/L)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.01	<0.010	<0.010	<0.010	<0.010	<0.010
Nitrate/Nitrite (mg/L)	0.16	0.66	0.67	0.66	0.76	0.6	0.61	0.55	0.67	0.58	0.654	0.679
Sulfate (mg/L)	9.4	17	-	-	-	-	-	-	-	-	-	-
Chloride (mg/L)	21	21	23	20	18	19	19	19	19	20	19	19
METALS (ug/L)												
Aluminum	<10	<10	-	-	4	6	4	4	4	12	3.5	4.5
Antimony	-	-	-	-	<1	<1	<1	<1	<1	<1	<1	<1
Arsenic	-	2	-	-	2	2	2	2	2	2	2	2
Barium	-	63	-	-	68	61	67	67	68	70	66	67
Beryllium	-	<0.50	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Cadmium	-	<1.0	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Calcium	21,000	33,000	-	-	-	-	-	-	-	-	-	-
Chromium	44	11	-	-	13	8	9	8	9	-	-	-
Cobalt	-	<3.0	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Copper	-	<10	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Iron	9	84	-	-	-	-	-	-	-	-	-	-
Lead	2	20	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Magnesium	12,000	14,000	-	-	-	-	-	-	-	-	-	-
Manganese	97	3	-	-	<1.0	2	1	1	1	2	1.7	<1.0
Mercury	<0.1	<0.1	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	-	<10	-	-	<1.0	<1.0	1	<1.0	<1.0	<1.0	<1.0	<1.0
Potassium	3,400	3,400	-	-	-	-	-	-	-	-	-	-
Selenium	-	2	-	-	-	-	-	-	-	-	-	-
Silver	-	2	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Sodium	11,000	11,000	10,000	9,900	9,600	11,000	11,000	11,000	10,000	11,000	9,900	9,900
Thallium	-	-	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Vanadium	-	<6	-	-	-	-	-	-	-	-	-	-
Zinc	-	6	-	-	<1.0	4	1	2	2	3	<1.0	3.6
RADIONUCLIDES (pCi/L)												
^{3}H	-	<26	<400	<640	<340	<400	<400	<340	<380	<440	-	-
^{90}Sr	-	-	<3.0	<6.0	<4	<4	<3.2	<8	<3	<1.4	-	-
^{137}Cs	-	-	-	-	<60	<60	<80	<60	<40	<60	-	-
Gross Alpha	-	-	-	-	<1.8	<1.8	<1.8	<1.8	<1.6	<1.6	-	-
Gross Beta	-	-	-	-	6	5	<4	<4	5	5	-	-
OTHER												
pH	-	8.1	8	8.1	8	8.1	8.2	8.1	8	8.1	8.1	8.2
Dissolved Oxygen (mg/L)	-	12.1	-	-	-	-	-	-	-	-	-	-
Orthophosphate (mg/L)	<0.010	<0.010	0.02	0.02	0.02	0.01	0.02	0.02	0.02	0.02	<0.01	0.016
Alkalinity (mg/L)	-	127	-	-	-	-	-	-	-	-	-	-
Specific Conductance (mS/cm)	-	360	340	348	349	349	349	350	360	346	348	352
Total Dissolved Solids (mg/L)	-	-	-	-	-	-	-	-	-	-	-	-
Ammonia Nitrogen (mg/L)	-	-	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon (mg/L)	-	-	-	-	-	-	-	-	-	-	-	-
Chemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	-	-	-	-	-
Biochemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	-	-	-	-	-

FET 2

DATA SOURCE:	LMITCO	LMITCO	LMITCO	LMITCO
ANALYTE\DATE	11/30/89	10/24/90	5/11/92	10/28/92
VOCs				
PCE (μg/L)	<5	<5	<1	<1
TCE (μg/L)	<5	<5	<1	<1
cis-1,2-DCE (μg/L)	-	-	<1	<1
trans-1,2-DCE (μg/L)	-	-	<1	<1
total-1,2-DCE (μg/L)	<5	<5	-	-
Ethene (μg/L)	-	-	-	-
Ethane (μg/L)	-	-	-	-
Methane (μg/L)	-	-	-	-
Hydrogen Sulfide	-	-	-	-
ANIONS				
Nitrate (mg/L)	0.956	0.735	0.710	0.756
Nitrite (mg/L)	-	-	-	<0.020
Nitrate/Nitrite (mg/L)	-	-	-	-
Sulfate (mg/L)	34.4	26.0	31.3	30.7
Chloride (mg/L)	14.7	15.0	17.4	15.1
METALS (ug/L)				
Aluminum	-	124	<39	<33
Antimony	-	-	<9	<7
Arsenic	3.0	-	2.2	<1
Barium	94	99	77	71.7
Beryllium	-	-	<4	<4
Cadmium	-	-	<4	7.7
Calcium	51,500	45,400	46,600	54,800
Chromium	-	-	<6	<6
Cobalt	-	-	<12	<11
Copper	-	19	<11	<17
Iron	37	-	<21	337
Lead	-	2.2	<3.5	<2
Magnesium	15,500	16,000	15,600	15,800
Manganese	5.0	-	<4	<3
Mercury	-	0.11	<0.15	<0.1
Nickel	-	-	<9	<11
Potassium	2,590	2,100	3,680	2,750
Selenium	-	<2.0	<5	21.8
Silver	-	-	<1	<1
Sodium	9,180	8,900	8,430	7,980
Thallium	-	-	<1	<2
Vanadium	-	12	<15	<15
Zinc	-	22	<6	<15
RADIONUCLIDES (pCi/L)				
^{3}H	<140	<200	<280	<280
^{90}Sr	<4.6	<1.4	<0.8	-
^{137}Cs	<30	<30	<30	-
Gross Alpha	-	-	3.3	<6
Gross Beta	-	-	8.3	<5.2
OTHER				
pH	-	-	-	-
Dissolved Oxygen (mg/L)	-	-	-	-
Orthophosphate	-	-	-	-
Alkalinity (mg/L)	140	142	140	140
Specific Conductance (mS/cm)	-	-	-	-
Total Dissolved Solids (mg/L)	-	-	-	-
Ammonia Nitrogen (mg/L)	-	-	-	-
Total Organic Carbon (mg/L)	-	-	-	-
Chemical Oxygen Demand (mg/L)	-	-	-	-
Biochemical Oxygen Demand (mg/L)	-	-	-	-

FET 3

DATA SOURCE:	USGS
ANALYTE\DATE	11/24/57
VOCs	
PCE (μg/L)	-
TCE (μg/L)	-
cis-1,2-DCE (μg/L)	-
trans-1,2-DCE (μg/L)	-
total-1,2-DCE (μg/L)	-
Ethene (μg/L)	-
Ethane (μg/L)	-
Methane (μg/L)	-
Hydrogen Sulfide	-
ANIONS	
Nitrate (mg/L)	-
Nitrite (mg/L)	-
Nitrate/Nitrite (mg/L)	-
Sulfate (mg/L)	34
Chloride (mg/L)	15
METALS (ug/L)	
Aluminum	-
Antimony	-
Arsenic	-
Barium	-
Beryllium	-
Cadmium	-
Calcium	52,000
Chromium	-
Cobalt	-
Copper	-
Iron	20
Lead	-
Magnesium	14,000
Manganese	-
Mercury	-
Nickel	-
Potassium	2,200
Selenium	-
Silver	-
Sodium	7,800
Thallium	-
Vanadium	-
Zinc	-
RADIONUCLIDES (pCi/L)	
^{3}H	-
^{90}Sr	-
^{137}Cs	-
Gross Alpha	-
Gross Beta	-
OTHER	
pH	8.1
Dissolved Oxygen (mg/L)	-
Orthophosphate (mg/L)	-
Alkalinity (mg/L)	144
Specific Conductance (mS/cm)	391
Total Dissolved Solids (mg/L)	-
Ammonia Nitrogen (mg/L)	-
Total Organic Carbon (mg/L)	-
Chemical Oxygen Demand (mg/L)	-
Biochemical Oxygen Demand (mg/L)	-

DATA SOURCE:	USGS	USGS
ANALYTE\DATE	6/16/56	10/25/84
VOCs		
PCE (μg/L)	-	-
TCE (μg/L)	-	-
cis-1,2-DCE (μg/L)	-	-
trans-1,2-DCE (μg/L)	-	-
total-1,2-DCE (μg/L)	-	-
Ethene (μg/L)	-	-
Ethane (μg/L)	-	-
Methane (μg/L)	-	-
Hydrogen Sulfide	-	-
ANIONS		
Nitrate (mg/L)	-	-
Nitrite (mg/L)	-	<0.010
Nitrate/Nitrite (mg/L)	-	0.37
Sulfate (mg/L)	27	24
Chloride (mg/L)	7	7.4
METALS (ug/L)		
Aluminum	-	20
Antimony	-	-
Arsenic	-	-
Barium	-	-
Beryllium	-	-
Cadmium	-	-
Calcium	-	-
Chromium	-	43
Cobalt	-	-
Copper	-	-
Iron	-	31
Lead	-	12
Magnesium	17,000	16,000
Manganese	-	12
Mercury	-	<0.1
Nickel	-	-
Potassium	1,200	1,500
Selenium	-	-
Silver	-	-
Sodium	6,300	6,500
Thallium	-	-
Vanadium	-	-
Zinc	-	-
RADIONUCLIDES (pCi/L)		
^{3}H	-	-
^{90}Sr	-	-
^{137}Cs	-	-
Gross Alpha	-	-
Gross Beta	-	-
OTHER		
pH	8.1	-
Dissolved Oxygen (mg/L)	-	-
Orthophosphate (mg/L)	-	<0.010
Alkalinity (mg/L)	151	-
Specific Conductance (mS/cm)	356	-
Total Dissolved Solids (mg/L)	-	-
Ammonia Nitrogen (mg/L)	-	-
Total Organic Carbon (mg/L)	-	-
Chemical Oxygen Demand (mg/L)	-	-
Biochemical Oxygen Demand (mg/L)	-	-

ANP 6

DATA SOURCE:				USGS	USGS	USGS	USGS	USGS	USGS	USGS	USGS	USGS
ANALYTE\DATE	9/6/56	9/7/77	4/25/86	8/2/86	7/10/87	10/28/87	7/2/92	7/14/93	4/11/94	10/14/94	6/15/95	7/19/96
VOCs												
PCE (μg/L)	-	-	-	-	-	<0.2	-	-	<0.2	<0.2	-	-
TCE (μg/L)	-	-	-	-	-	0.5	-	-	<0.2	<0.2	-	-
cis-1,2-DCE (μg/L)	-	-	-	-	-	-	-	-	<0.2	<0.2	-	-
trans-1,2-DCE (μg/L)	-	-	-	-	-	<0.2	-	-	<0.2	<0.2	-	-
total-1,2-DCE (μg/L)	-	-	-	-	-	<0.2	-	-	<0.2	<0.2	-	-
Ethene (μg/L)	-	-	-	-	-	-	-	-	-	-	-	-
Ethane (μg/L)	-	-	-	-	-	-	-	-	-	-	-	-
Methane (μg/L)	-	-	-	-	-	-	-	-	-	-	-	-
Hydrogen Sulfide	-	-	-	-	-	-	-	-	-	-	-	-
ANIONS												
Nitrate (mg/L)	-	-	-	-	-	-	-	-	0.86	-	-	-
Nitrite (mg/L)	-	-	-	-	-	-	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Nitrate/Nitrite (mg/L)	-	-	-	-	-	-	0.72	0.68	0.87	0.86	0.82	0.91
Sulfate (mg/L)	35	32	-	-	-	-	-	-	-	-	32	33
Chloride (mg/L)	14	14	12	-	11	13	15	12	14	14	15	17
METALS (ug/L)												
Aluminum	-	10	-	-	-	-	-	-	5	5	-	-
Antimony	-	-	-	-	-	-	-	-	<1.0	<1.0	-	-
Arsenic	-	-	-	3	-	3	-	-	3	3	-	-
Barium	-	-	-	<100	-	60	-	-	64	65	-	-
Beryllium	-	-	-	-	-	<0.50	-	-	<1.0	<1.0	-	-
Cadmium	-	-	-	<1.0	-	<1.0	-	-	<1.0	<1.0	-	-
Calcium	44,000	44,000	-	-	-	-	-	-	-	-	-	-
Chromium	-	-	<50	4	-	1	-	-	7	4	-	-
Cobalt	-	-	-	-	-	-	-	-	<1.0	<1.0	-	-
Copper	-	-	-	-	-	-	-	-	<1.0	<1.0	-	-
Iron	0	10	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	<5.0	-	<5.0	-	-	<1.0	<1.0	-	-
Magnesium	17,000	16,000	-	-	-	-	-	-	-	-	-	-
Manganese	-	10	-	-	-	-	-	-	<1.0	<1.0	-	-
Mercury	-	-	-	<0.1	-	<0.1	-	-	<0.1	<0.1	-	-
Nickel	-	-	-	-	-	-	-	-	<1.0	<1.0	-	-
Potassium	2,400	2,500	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	2	-	2	-	-	-	-	-	-
Silver	-	-	-	<1.0	-	<1.0	-	-	<1.0	<1.0	-	-
Sodium	10,000	10,000	-	-	-	-	9,900	11,000	9,200	9,900	9,700	9,800
Thallium	-	-	-	-	-	-	-	-	<0.50	<0.50	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	39	41	-	-
RADIONUCLIDES (pCi/L)												
^{3}H	-	<400	<600	-	<620	<600	<400	<640	<340	<400	<400	<400
^{90}Sr	-	-	-	-	-	<3.2	<3.2	<8	<3.4	<4	<1.4	<1.4
^{137}Cs	-	-	<60	-	-	<44	-	-	<60	<40	-	-
Gross Alpha	-	-	<1.8	-	-	-	-	-	2.4	<1.6	-	-
Gross Beta	-	-	5	-	-	-	-	-	<4	<4	-	-
OTHER												
pH	8.0	7.9	-	7.6	-	7.9	8.1	8.1	7.84	7.96	7.98	8.0
Dissolved Oxygen (mg/L)	-	-	-	-	-	-	-	-	-	-	-	-
Orthophosphate (mg/L)	-	-	-	-	-	-	0.01	0.02	0.02	0.01	0.02	0.03
Alkalinity (mg/L)	144	148	-	-	-	-	-	-	-	-	-	-
Specific Conductance (mS/cm)	392	374	300	390	-	380	385	390	393	395	402	407
Total Dissolved Solids (mg/L)	-	-	-	-	-	-	-	-	-	-	-	-
Ammonia Nitrogen (mg/L)	-	-	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon (mg/L)	-	-	-	-	-	-	-	-	-	-	-	-
Chemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	-	-	-	-	-
Biochemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	-	-	-	-	-

ANP 6

DATA SOURCE:		USGS	LMITCO	LMITCO	LMITCO
ANALYTE\DATE	7/21/97	11/29/89	11/6/90	5/18/92	10/30/92
VOCs					
PCE (μg/L)	-	<5	<5	<1	<1
TCE (μg/L)	-	<5	<5	2	<1
cis-1,2-DCE (μg/L)	-	-	-	<1	<1
trans-1,2-DCE (μg/L)	-	-	-	<1	<1
total-1,2-DCE (μg/L)	-	<5	<5	-	-
Ethene (μg/L)	-	-	-		-
Ethane (μg/L)	-	-	-		-
Methane (μg/L)	-	-	-		-
Hydrogen Sulfide	-	-	-		-
ANIONS					
Nitrate (mg/L)	-	0.869	0.668	0.608	0.895
Nitrite (mg/L)	<0.010	-	-	-	<0.020
Nitrate/Nitrite (mg/L)	0.991	-	-	-	-
Sulfate (mg/L)	34	32.6	22.0	34.6	31.1
Chloride (mg/L)	20	10.9	10.8	12.5	10.9
METALS (ug/L)					
Aluminum	-	-	67	<39	<33
Antimony	-	-	<8.0	<9	<7
Arsenic	-	2.9	2.4	<2	<1
Barium	-	71	80	61	57.7
Beryllium	-	-	-	<4	<4
Cadmium	-	-	-	<4	<5
Calcium	-	44,500	46,400	44,600	48,000
Chromium	-	-	-	<7	<6
Cobalt	-	-	-	<12	<11
Copper	-	-	17	<7	<17
Iron	-	333	177	<206	<14.7
Lead	-	-	7.1	47	<2.3
Magnesium	-	16,400	17,300	16,500	18,900
Manganese	-	9	-	<4	<3
Mercury	-	-	<0.10	<0.1	<0.1
Nickel	-	-	-	<9	<11
Potassium	-	2,420	1,980	2,560	2,890
Selenium	-	1.0	<2.0	<1	<20
Silver	-	-	-	<1	<1
Sodium	10,000	10,600	11,600	10,300	10,300
Thallium	-	-	-	<1	<2
Vanadium	-	-	<12.0	<15	<15
Zinc	-	67	-	<67	43.7
RADIONUCLIDES (pCi/L)					
^{3}H	-	<120	<140	<280	<280
^{90}Sr	-	<4	1.6	<0.6	-
^{137}Cs	-	<30	<30	<30	-
Gross Alpha	-	-	-	<3.6	<8.2
Gross Beta	-	-	-	4.8	14
OTHER					
pH	8.0	-	-	-	-
Dissolved Oxygen (mg/L)	-	-	-	-	-
Orthophosphate (mg/L)	0.027	-	-	-	-
Alkalinity (mg/L)	-	140	146	140	140
Specific Conductance (mS/cm)	426	-	-	-	-
Total Dissolved Solids (mg/L)	-	-	-	-	-
Ammonia Nitrogen (mg/L)	-	-	-	-	-
Total Organic Carbon (mg/L)	-	-	-	-	-
Chemical Oxygen Demand (mg/L)	-	-	-	-	-
Biochemical Oxygen Demand (mg/L)	-	-	-	-	-

DATA SOURCE:	USGS	USGS	USGS
ANALYTE\DATE	7/10/56	9/7/77	4/25/84
VOCs			
PCE (μg/L)	-	-	-
TCE (μg/L)	-	-	-
cis-1,2-DCE (μg/L)	-	-	-
trans-1,2-DCE (μg/L)	-	-	-
total-1,2-DCE (μg/L)	-	-	-
Ethene (μg/L)	-	-	-
Ethane (μg/L)	-	-	-
Methane (μg/L)	-	-	-
Hydrogen Sulfide	-	-	-
ANIONS			
Nitrate (mg/L)	-	-	-
Nitrite (mg/L)	-	-	<0.010
Nitrate/Nitrite (mg/L)	-	-	0.37
Sulfate (mg/L)	28	26	24
Chloride (mg/L)	6.8	7.7	6.7
METALS (ug/L)			
Aluminum	-	10	<10
Antimony	-	-	-
Arsenic	-	-	-
Barium	-	-	-
Beryllium	-	-	-
Cadmium	-	-	-
Calcium	46,000	43,000	44,000
Chromium	-	-	-
Cobalt	-	-	-
Copper	-	-	-
Iron	-	<10	7
Lead	-	-	1
Magnesium	16,000	16,000	16,000
Manganese	-	<10	<1.0
Mercury	-	-	<0.1
Nickel	-	-	-
Potassium	1,200	1,400	1,300
Selenium	-	-	-
Silver	-	-	-
Sodium	6,000	6,100	6,200
Thallium	-	-	-
Vanadium	-	-	-
Zinc	-	-	-
RADIONUCLIDES (pCi/L)			
^{3}H	-	<400	-
^{90}Sr	-	-	-
^{137}Cs	-	-	-
Gross Alpha	-	-	-
Gross Beta	-	-	-
OTHER			
pH	8.0	7.9	-
Dissolved Oxygen (mg/L)	-	-	-
Orthophosphate (mg/L)	-	-	<0.010
Alkalinity (mg/L)	151	148	-
Specific Conductance (mS/cm)	356	344	-
Total Dissolved Solids (mg/L)	-	-	-
Ammonia Nitrogen (mg/L)	-	-	-
Total Organic Carbon (mg/L)	-	-	-
Chemical Oxygen Demand (mg/L)	-	-	-
Biochemical Oxygen Demand (mg/L)	-	-	-

ANP 8

DATA SOURCE:	USGS	USGS	USGS	USGS	USGS	USGS	USGS	USGS	USGS	LMITCO	LMITCO
ANALYTE\DATE	7/20/56	6/21/57	9/5/77	3/4/82	4/1/82	10/12/84	9/5/85	10/25/87	12/13/89	11/28/89	10/24/90
VOCs											
PCE (μg/L)	-	-	-	-	-	-	-	4.2	3.7	2	3
TCE (μg/L)	-	-	-	-	-	-	-	7.5	6.4	6	7
cis-1,2-DCE (μg/L)	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-DCE (μg/L)	-	-	-	-	-	-	-	<0.2	<0.2	-	-
total-1,2-DCE (μg/L)	-	-	-	-	-	-	-	-	-	<5	<5
vinyl chloride ((μg/L)											
Ethene (μg/L)	-	-	-	-	-	-	-	-	-	-	-
Ethane (μg/L)	-	-	-	-	-	-	-	-	-	-	-
Methane (μg/L)	-	-	-	-	-	-	-	-	-	-	-
Hydrogen Sulfide	-	-	-	-	-	-	-	-	-	-	-
ANIONS											
Nitrate (mg/L)	-	-	-	-	-	-	-	-	0.85	1.037	0.853
Nitrite (mg/L)	-	-	-	-	-	<0.010	-	-	0.01	-	-
Nitrate/Nitrite (mg/L)	-	-	-	-	-	0.35	-	-	0.86	-	-
Sulfate (mg/L)	29	29	34	-	-	31	-	-	30	30.0	25.0
Chloride (mg/L)	7.2	6.5	21	-	-	20	-	13	10	11.8	10.7
Phosphate (mg/L)											
METALS (ug/L)											
Aluminum	-	-	10	-	-	<10	-	-	20	-	112
Antimony	-	-	-	-	-	-	-	-		-	-
Arsenic	-	-	-	-	-	-	2	2	2	2.7	-
Barium	-	-	-	-	-	-	<100	86	86	103	109
Beryllium	-	-	-	-	-	-	-	<0.50	-	-	-
Cadmium	-	-	-	-	-	-	<1.0	<1.0	1	-	-
Calcium	46,000	43,000	49,000	-	-	50,000	-	-	45,000	48,100	48,200
Chromium	-	-	<20	-	-	13	-	4	5	11	17
Cobalt	-	-	-	-	-	-	-	-	-	-	-
Copper	-	-	-	-	-	-	-	-	-	-	82
Iron	20	-	<10	-	-	<3.0	-	-	5	31	<374
Lead	-	-	-	-	-	12	2	<5.0	1	-	14.7
Magnesium	15,000	15,000	16,000	-	-	15,000	-	-	14,000	15,600	15,700
Manganese	-	0.04	<10	-	-	<1.0	-	-	<1.0	5.0	-
Mercury	-	-	-	-	-	<0.1	<0.1	<0.1	<0.1	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-
Potassium	2,900	3,100	3,800	-	-	4,200	-	-	3,200	3,880	2,680
Selenium	-	-	-	-	-	-	2	2	2	1.4	-
Silver	-	-	-	-	-	-	<1.0	<1.0	4	-	-
Sodium	7,000	7,100	12,000	-	-	14,000	-	9,000	8,800	10,000	9,100
Thallium	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	228
RADIONUCLIDES (pCi/L)											
^{3}H	-	-	-	<400	<400	-	-	<600	<300	<160	<120
^{90}Sr	-	-	-	-	-	-	-	<3.2	<3.0	<4	<0.2
^{137}Cs	-	-	-	-	-	-	-	<60	<60	<30	<30
Gross Alpha	-	-	-	-	-	-	-	-	-	-	-
Gross Beta	-	-	-	-	-	-	-	-	-	-	-
OTHER											
pH	-	8.1	8	-	-	-	8.1	7.9	8.2	-	-
Dissolved Oxygen (mg/L)	-	-	-	-	-	-	-	-	10.5	-	-
Orthophosphate	-	-	-	-	-	0.02	-	-	<0.010	-	-
Alkalinity (mg/L)	150	150	150	-	-	-	-	-	127	140	142
Specific Conductance (mS/cm)	366	354	410	-	-	-	380	360	376	-	-
Total Dissolved Solids (mg/L)	-	-	-	-	-	-	-	-	-	-	-
Ammonia Nitrogen (mg/L)	-	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon (mg/L)	-	-	-	-	-	-	-	-	-	-	-
Chemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	-	-	-	-
Biochemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	-	-	-	-
Carbon Dioxide (mg/L)											
Oxidation Reduction Potential (mV)											
* Estimated using onsite field test kit analytical methods											
U = Non-detect											

ANP 8

DATA SOURCE:	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	INEEL	INEEL	INEEL
ANALYTE\DATE	5/27/92	10/28/92	9/16/96	7/22/98	8/5/98	10/13/98	6/28/99	6/12/00	7/12/00	8/22/00
VOCs									1WS02701VA	1WS02801VA
PCE (μg/L)	3	3	3	3	3	4	<5		2.954	3.223
TCE (μg/L)	8	10	11	12	11	13	8		11.37	12.58
cis-1,2-DCE (μg/L)	<1	<1	<5	<2	<2	<2	<5		0.5 U	0.5 U
trans-1,2-DCE (μg/L)	<1	<1	<5	<2	<2	<2	<5		0.5 U	0.5 U
total-1,2-DCE (μg/L)	-	-	-	-	-					
vinyl chloride ((μg/L)							<5		2 U	2 U
Ethene (μg/L)		-	<3	-	-	-	<2			
Ethane (μg/L)		-	<3	-	-	-	<2			
Methane (μg/L)	-	-	0.09	-	-	-	<1			
Hydrogen Sulfide		-	<0.298	-	-	-	-			
ANIONS										
Nitrate (mg/L)	0.772	0.91	-	3.6	-	-	0.7			
Nitrite (mg/L)	-	<20	-	<0.2	-	-				
Nitrate/Nitrite (mg/L)	-	-	1.2	-	-	-				
Sulfate (mg/L)	26	29.8	29.1	28.2	-	-	26.1			
Chloride (mg/L)	9.56	10.9	12.2	12	-	-	11.5			
Phosphate (mg/L)							<0.75			
METALS (ug/L)										
Aluminum	<39	<33	65.2	90.5	-	-	36.4			
Antimony	<9	<7	<50.0	<3.6	-	-				
Arsenic	<2	<1	<2.0	<2.6	-	-				
Barium	<3	82	76.4	86.6	-	-				
Beryllium	<4	<4	<4.0	<0.10	-	-				
Cadmium	<4	5.3	<5.0	<0.40	-	-				
Calcium	45,000	48,400	42,700	44,800	-	-	48,400			
Chromium	<6	<6	<10.0	<5.6	-	-				
Cobalt	<12	<11	<10.0	<0.60	-	-				
Copper	146	36.3	16.1	16	-	-				
Iron	2,400	<63.7	94.2	54.7	-	-	-			
Lead	20.8	<4.1	<1.5	<1.9	-	-				
Magnesium	14,600	16,000	13,800	15,600	-	-	15,600			
Manganese	<11	<3	<2.5	1.7	-	-				
Mercury	<0.1	<0.1	<0.10	<0.10	-	-				
Nickel	<9	<11	<15.0	6.2	-	-				
Potassium	3,360	3,260	2,890	3,280	-	-	2,600			
Selenium	<5	<20	<2.5	<3.6	-	-				
Silver	<1	<1	<5.0	<4.6	-	-				
Sodium	8,910	9,250	7,210	8,330	-	-	7,840			
Thallium	<1.3	<2	<2.0	<0.90	-	-				
Vanadium	<15	<15	<10.0	4.2	-	-				
Zinc	<55	<15	88.0	29.2	-	-				
RADIONUCLIDES (pCi/L)								1WS02601R8	1WS02701R8	1WS02801R8
^{3}H	420	<280	195	<323	<245	<490	<330	<266	<271	<293
^{90}Sr	<0.6	-	-	-	-	-	-			
^{137}Cs	<30	<30	-	-	-	-				
Gross Alpha	<2.2	-	-	-	-	-	-			
Gross Beta	4.8	-	-	-	-	-				
OTHER										
pH	-	-	-	-	-	-	7.62	8.56	7.83	7.89
Dissolved Oxygen (mg/L)	-	-	-	-	-	-	6.72			9.38
Orthophosphate	-	-	0.02	<1.0	-	-				
Alkalinity (mg/L)	144	138	281	135	-	-	137*			
Specific Conductance (mS/cm)	-	-	-	-	-	-	0.357			0.388
Total Dissolved Solids (mg/L)	-	-	-	240	-	-	-			
Ammonia Nitrogen (mg/L)	-	-	-	0.047	-	-	0			
Total Organic Carbon (mg/L)	-	-	-	-	-	-				
Chemical Oxygen Demand (mg/L)	-	-	-	20	-	-	-			
Biochemical Oxygen Demand (mg/L)	-	-	-	-	-	-				
Carbon Dioxide (mg/L)							27.4*			
Oxidation Reduction Potential (mV)							348			-41

* Estimated using onsite field test kit analytical methods

U = Non-detect

ANP 9

DATA SOURCE:				USGS	USGS	USGS	USGS	USGS	USGS	USGS	USGS
ANALYTE\DATE	7/18/56	7/22/59	7/24/59	9/7/77	10/25/84	4/13/94	10/14/94	4/6/95	10/10/95	4/8/96	10/14/96
VOCs											
PCE (μg/L)	-	-	-	-	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
TCE (μg/L)	-	-	-	-	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
cis-1,2-DCE (μg/L)	-	-	-	-	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
trans-1,2-DCE (μg/L)	-	-	-	-	-	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
total-1,2-DCE (μg/L)	-	-	-	-	-	-	-	-	-	-	-
Ethene (μg/L)	-	-	-	-	-	-	-	-	-	-	-
Ethane (μg/L)	-	-	-	-	-	-	-	-	-	-	-
Methane (μg/L)	-	-	-	-	-	-	-	-	-	-	-
Hydrogen Sulfide	-	-	-	-	-	-	-	-	-	-	-
ANIONS											
Nitrate (mg/L)	-	-	-	-	-	-	-	-	-	-	-
Nitrite (mg/L)	-	-	-	-	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Nitrate/Nitrite (mg/L)	-	-	-	-	0.65	1.2	0.71	0.7	0.71	0.77	0.73
Sulfate (mg/L)	30	28	28	29	27	-	-	-	-	-	-
Chloride (mg/L)	11	9.5	9.5	16	11	13	12	12	12	12	13
METALS (ug/L)											
Aluminum	-	-	-	10	<10	<1.0	9	3	3	3	4
Antimony	-	-	-	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Arsenic	-	-	-	-	-	2	3	2	3	2	2
Barium	-	-	-	-	-	84	90	85	81	84	87
Beryllium	-	-	-	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Cadmium	-	-	-	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Calcium	37,000	34,000	33,000	37,000	38,000	-	-	-	-	-	-
Chromium	-	-	-	-	22	-	5	4	4	4	-
Cobalt	-	-	-	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Copper	-	-	-	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Iron	-	-	80	30	9	-	-	-	-	-	-
Lead	-	-	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Magnesium	15,000	15,000	14,000	15,000	15,000	-	-	-	-	-	-
Manganese	-	-	-	<10	2	2	2	1	<1.0	<1.0	<1.0
Mercury	-	-	-	-	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	-	-	-	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Potassium	3,100	3,200	3,800	3,500	3,300	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	-	-	-
Silver	-	-	-	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Sodium	14,000	13,000	13,000	15,000	15,000	15,000	14,000	15,000	15,000	14,000	15,000
Thallium	-	-	-	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Vanadium	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	64	11	10	8	6	9
RADIONUCLIDES (pCi/L)											
^{3}H	-	-	-	<400	-	<340	<400	<340	<340	<380	<400
^{90}Sr	-	-	-	-	-	<4.0	<3.4	<1.6	<1.4	<3.2	<1.6
^{137}Cs	-	-	-	-	-	<60	<56	<72	<40	<80	<60
Gross Alpha	-	-	-	-	-	2.4	2.8	<1.6	<1.8	<1.8	<1.8
Gross Beta	-	-	-	-	-	<4.0	6	<4	<4	<4	6
OTHER											
pH	8.2	7.6	7.4	8.2	-	7.93	7.99	8.09	8.12	8.12	8.12
Dissolved Oxygen (mg/L)	-	-	-	-	-	-	-	-	-	-	-
Orthophosphate	-	-	-	-	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Alkalinity (mg/L)	140	130	130	140	-	-	-	-	-	-	-
Specific Conductance (mS/cm)	359	356	338	353	-	374	378	375	375	396	378
Total Dissolved Solids (mg/L)	-	-	-	-	-	-	-	-	-	-	-
Ammonia Nitrogen (mg/L)	-	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon (mg/L)	-	-	-	-	-	-	-	-	-	-	-
Chemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	-	-	-	-
Biochemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	-	-	-	-

ANP 9

DATA SOURCE:	USGS	USGS	LMITCO	LMITCO	LMITCO	LMITCO
ANALYTE\DATE	4/28/97	10/27/97	12/4/89	12/3/90	4/24/92	11/2/92
VOCs						
PCE (μg/L)	<0.2	<0.2	<5	<5	<1	0.2
TCE (μg/L)	<0.2	<0.2	<5	<5	<1	0.6
cis-1,2-DCE (μg/L)	<0.2	<0.2	-	-	<1	<1
trans-1,2-DCE (μg/L)	<0.2	<0.2	-	-	<1	<1
total-1,2-DCE (μg/L)	-	-	<5	<5	-	-
Ethene (μg/L)	-	-	-	-	-	-
Ethane (μg/L)	-	-	-	-	-	-
Methane (μg/L)	-	-	-	-	-	-
Hydrogen Sulfide	-	-	-	-	-	-
ANIONS						
Nitrate (mg/L)	-	-	0.881	0.673	0.734	0.804
Nitrite (mg/L)	<0.010	<0.010	-	-	<0.020	<0.020
Nitrate/Nitrite (mg/L)	0.76	0.921	-	-	-	-
Sulfate (mg/L)	-	-	31.0	1,600	27.8	30.5
Chloride (mg/L)	12	12	11.8	10.7	11	12.2
METALS (ug/L)						
Aluminum	4.2	4.3	-	-	<39	<33
Antimony	<1.0	<1.0	-	<4.0	<7	<7
Arsenic	3	2	3.5	-	<2	<1
Barium	83	86	98	105	89	92.3
Beryllium	<1.0	<1.0	-	-	<4	<4
Cadmium	<1.0	<1.0	-	-	<11	6.7
Calcium	-	-	38,400	38,800	41,700	40,100
Chromium	-	-	-	-	<6	<6
Cobalt	<1.0	<1.0	-	-	<12	<11
Copper	<1.0	<1.0	-	-	<7	<17
Iron	-	-	31	<300	47	<136
Lead	<1.0	<1.0	2.9	<6.1	<1.3	<1
Magnesium	-	-	15,800	15,900	16,900	16,800
Manganese	<1.0	1	6.0	<10.0	<4	<11.3
Mercury	<0.1	<0.1	-	-	<0.1	<0.1
Nickel	<1.0	<1.0	-	-	<9	<11
Potassium	-	-	3,380	3,120	3,600	4,,070
Selenium	-	-	1.3	-	5	<10
Silver	<1.0	<1.0	-	-	<1	<1
Sodium	14,000	14,000	16,000	16,500	15,800	15,900
Thallium	<0.50	<0.50	1.0	-	<1	<2
Vanadium	-	-	-	<7.0	<15	<21.7
Zinc	9.6	12	-	-	<17	<15
RADIONUCLIDES (pCi/L)						
^{3}H	-	-	<140	<216	<260	<280
^{90}Sr	-	-	<4	27.2	<1.4	-
^{137}Cs	-	-	<30	<30	<30	-
Gross Alpha	-	-	-	-	<1.8	<10
Gross Beta	-	-	-	-	4.5	11
OTHER						
pH	8.2	8.1	-	-	-	-
Dissolved Oxygen (mg/L)	-	-	-	-	-	-
Orthophosphate	<0.010	<0.010	-	-	-	-
Alkalinity (mg/L)	-	-	132	122	136	132
Specific Conductance (mS/cm)	375	381	-	-	-	-
Total Dissolved Solids (mg/L)	-	-	-	-	-	-
Ammonia Nitrogen (mg/L)	-	-	-	-	-	-
Total Organic Carbon (mg/L)	-	-	-	-	-	-
Chemical Oxygen Demand (mg/L)	-	-	-	-	-	-
Biochemical Oxygen Demand (mg/L)	-	-	-	-	-	-

ANP 10

DATA SOURCE:	USGS	USGS	USGS	USGS	USGS	USGS	USGS	USGS
ANALYTE\DATE	7/22/59	12/18/61	4/24/62	6/25/62	9/6/62	9/7/77	11/14/84	11/14/84
VOCs								
PCE (μg/L)	-	-	-	-	-	-	-	-
TCE (μg/L)	-	-	-	-	-	-	-	-
cis-1,2-DCE (μg/L)	-	-	-	-	-	-	-	-
trans-1,2-DCE (μg/L)	-	-	-	-	-	-	-	-
total-1,2-DCE (μg/L)	-	-	-	-	-	-	-	-
Ethene (μg/L)	-	-	-	-	-	-	-	-
Ethane (μg/L)	-	-	-	-	-	-	-	-
Methane (μg/L)	-	-	-	-	-	-	-	-
Hydrogen Sulfide	-	-	-	-	-	-	-	-
ANIONS								
Nitrate (mg/L)	-	-	-	-	-	-	-	-
Nitrite (mg/L)	-	-	-	-	-	-	<0.010	<0.010
Nitrate/Nitrite (mg/L)	-	-	-	-	-	-	<0.10	<0.10
Sulfate (mg/L)	28	27	-	-	-	<1.0	0.3	0.6
Chloride (mg/L)	9.5	10	12	-	-	8.6	10	10
METALS (ug/L)								
Aluminum	-	-	-	-	-	10	<10	20
Antimony	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-
Calcium	34,000	22,000	-	-	-	54,000	51,000	56,000
Chromium	-	-	-	-	-	-	5	13
Cobalt	-	-	-	-	-	-	-	-
Copper	-	-	-	-	-	-	-	-
Iron	-	-	-	-	-	<10	16	13
Lead	-	-	-	-	-	-	2	2
Magnesium	15,000	15,000	-	-	-	12,000	12,000	12,000
Manganese	-	-	-	-	-	<10	22	14
Mercury	-	-	-	-	-	-	<0.1	<0.1
Nickel	-	-	-	-	-	-	-	-
Potassium	3,200	3,500	-	-	-	3,500	3,300	3,200
Selenium	-	-	-	-	-	-	-	-
Silver	-	-	-	-	-	-	-	-
Sodium	13,000	14,000	13,000	14,000	15,000	14,000	13,000	14,000
Thallium	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-
RADIONUCLIDES (pCi/L)								
^{3}H	-	-	-	-	-	<400	-	-
^{90}Sr	-	-	-	-	-	-	-	-
^{137}Cs	-	-	-	-	-	-	-	-
Gross Alpha	-	-	-	-	-	-	-	-
Gross Beta	-	-	-	-	-	-	-	-
OTHER								
pH	7.6	7.8	7.6	7.6	8.5	8.7	-	-
Dissolved Oxygen (mg/L)	-	-	-	-	-	-	-	-
Orthophosphate	-	-	-	-	-	-	<0.010	<0.010
Alkalinity (mg/L)	134	-	-	-	-	86	-	-
Specific Conductance (mS/cm)	356	293	265	257	246	179	-	-
Total Dissolved Solids (mg/L)	-	-	-	-	-	-	-	-
Ammonia Nitrogen (mg/L)	-	-	-	-	-	-	-	-
Total Organic Carbon (mg/L)	-	-	-	-	-	-	-	-
Chemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	-
Biochemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	-

GIN 2

DATA SOURCE:	USGS	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO
ANALYTE\DATE	10/24/84	11/28/90	5/14/92	10/23/92	2/7/97	6/18/97	6/24/99	6/24/99
VOCs								
PCE (μg/L)	-	2	2	3	1	2	<5	<5
TCE (μg/L)	-	3	5	6	2	4	<5	<5
cis-1,2-DCE (μg/L)	-	-	<1	<1	<5	<2	<5	<5
trans-1,2-DCE (μg/L)	-	-	<1	<1	<5	<2	<5	<5
total-1,2-DCE (μg/L)	-	<5	-	-	-	-		
Ethene (μg/L)	-	-	-	-	-	<12	<2	<2
Ethane (μg/L)	-	-	-	-	-	<12	<2	<2
Methane (μg/L)	-	-	-	-	-	1	<1	<1
Hydrogen Sulfide	-	-	-	-	-	1	-	-
ANIONS								
Nitrate (mg/L)	-	1.30	1.30	1.33	-	-	0	0
Nitrite (mg/L)	<0.010	-	<5	<0.020	-	-		
Nitrate/Nitrite (mg/L)	1.7	-	-	-	-	1.39		
Sulfate (mg/L)	40	40.0	37.3	36.8	-	38.4	31.6	30.7
Chloride (mg/L)	80	76.7	28.5	38.5	-	36.2	31.3	30.2
Phosphate (mg/L)							<0.75	<0.75
METALS (ug/L)								
Aluminum	<10	146	45	<33	-	11,800	6,490	4,650
Antimony	-	<4.0	<9	<7	-	<50.0		
Arsenic	-	-	<2	1.5	-	3.8		
Barium	-	183	139	139	-	275		
Beryllium	-	-	<4	<4	-	<4.0		
Cadmium	-	-	<4	<5	-	<50.0		
Calcium	65,000	63,000	54,400	62,300	-	52,800	57,500	5,100
Chromium	29	-	<7	<8	-	21.5		
Cobalt	-	-	<12	<11	-	<10.0		
Copper	-	-	<7	<17	-	13.0		
Iron	10	<128	<21	<36	-	7,100	-	-
Lead	14	43.8	<1.8	<2	-	6.7		
Magnesium	24,000	21,400	19,200	21,500	-	20,900	22,500	20,000
Manganese	2	<7.0	<4	<3	-	73.6		
Mercury	<0.1	<0.16	<0.1	<0.1	-	<0.10		
Nickel	-	-	<9	<11	-	<15.0		
Potassium	2,500	3,750	4,310	4,490	-	5,960	6,080	3,310
Selenium	-	<2.1	<1	2.1	-	<2.5		
Silver	-	-	<1	<1	-	<5.0		
Sodium	15,000	20,600	17,600	17,600	-	12,300	13,300	11,900
Thallium	-	2.9	<1	<2	-	<4.0		
Vanadium	-	-	<15	17	-	20.4		
Zinc	-	-	<15	<15	-	65.0		
RADIONUCLIDES (pCi/L)								
^{3}H	-	<200	<560	<280	-	<214	<331	<331
^{90}Sr	-	<2.0	<1.4	-	-	-	-	-
^{137}Cs	-	<30	<30	-	-	-		
Gross Alpha	-	-	<2.0	5.4	-	-	-	-
Gross Beta	-	-	7.5	8.3	-	-		
OTHER								
pH	-	-	-	-	-	-	7.4	-
Dissolved Oxygen (mg/L)	-	-	-	-	-	-	6.73	-
Orthophosphate	0.01	-	-	-	-	-		
Alkalinity (mg/L)	-	156	136	138	-	134	123	128*
Specific Conductance (mS/cm)	-	-	-	-	-	-	0.424	-
Total Dissolved Solids (mg/L)	-	-	-	-	-	-		-
Ammonia Nitrogen (mg/L)	-	-	-	-	-	-	0	0
Total Organic Carbon (mg/L)	-	-	-	-	-	-		
Chemical Oxygen Demand (mg/L)	-	-	-	-	-	-		-
Biochemical Oxygen Demand (mg/L)	-	-	-	-	-	-		
Carbon Dioxide (mg/L)							25.9	23.1*
Oxidation Reduction Potential (mV)							344	

* Estimated using onsite field test kit analytical methods

GIN 4

DATA SOURCE:	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LIMTCO	INEEL	INEEL
ANALYTE\DATE	11/27/90	5/15/92	10/26/92	2/7/97	6/18/97	7/15/98	8/4/98	10/12/98	6/24/99	6/12/00	7/19/00
VOCs											1WS04701VA
PCE (μg/L)	1	<2	2	3	3	<5	4	4	<5		3
TCE (μg/L)	2	<4	5	6	8	8	8	8	2		7.615
cis-1,2-DCE (μg/L)	-	<1	<1	<5	<2	<2	<2	<2	<5		0.5 U
trans-1,2-DCE (μg/L)	-	<1	<1	<5	<2	<2	<2	<2	<5		0.5 U
total-1,2-DCE (μg/L)	<5	-	-	-	-	-	-	-			
vinyl chloride (μg/L)									<5		2 U
Ethene (μg/L)	-	-	-	-	<12	-	-	-	<2		
Ethane (μg/L)	-	-	-	-	<12	-	-	-	<2		
Methane (μg/L)	-	-	-	-	1	-	-	-	<1		
Hydrogen Sulfide	-	-	-	-	1	-	-	-	-		
ANIONS											
Nitrate (mg/L)	1.34	1.27	1.43	-	-	4.8	-	-	1.1		
Nitrite (mg/L)	-	<5	<20	-	-	<0.2	-	-			
Nitrate/Nitrite (mg/L)	-	-	-	-	1.75	-	-	-			
Sulfate (mg/L)	26.0	13.0	39.1	-	41.8	33.6	-	-	30.8		
Chloride (mg/L)	65.1	49.6	42.8	-	36.7	33.4	-	-	28.9		
Phosphate (mg/L)									<0.75		
METALS (ug/L)											
Aluminum	507	45	<33	-	399	191	-	-	101		
Antimony	<4.0	<9	<7	-	<50.0	<3.6	-	-			
Arsenic	-	<2	1.1	-	3.2	<2.6	-	-			
Barium	183	140	135	-	115	115	-	-			
Beryllium	-	<4	<4	-	<4.0	0.1	-	-			
Cadmium	-	<4	<5	-	<5.0	<0.40	-	-			
Calcium	65,000	54,800	59,100	-	46,300	46,900	-	-	48,200		
Chromium	<11.0	<7	<7.3	-	<10.0	7	-	-			
Cobalt	-	<12	<11	-	<10.0	1.7	-	-			
Copper	-	<7	<17	-	<5.0	5	-	-			
Iron	728	<21	<14	-	342	232	-	-	-		
Lead	<1.4	3.2	<2	-	<2.0	<1.9	-	-			
Magnesium	23,600	19,400	21,800	-	16,500	18,000	-	-	17,200		
Manganese	<18.0	<4	<3	-	5.2	2.8	-	-			
Mercury	<0.12	<0.1	<0.1	-	<0.10	<0.10	-	-			
Nickel	-	<9	<11	-	<15.0	3.8	-	-			
Potassium	4,100	4,330	4,340	-	3,250	3,930	-	-	3,440		
Selenium	<2.3	<1	<2	-	<2.5	<3.6	-	-			
Silver	-	<1	<1	-	<5.0	<4.6	-	-			
Sodium	17,900	16,000	15,200	-	14,200	14,500	-	-	14,800		
Thallium	-	<1	<2	-	<2.0	<0.90	-	-			
Vanadium	-	<15	<15	-	<10.0	5.4	-	-			
Zinc	-	<6	<15	-	60.0	33.9	-	-			
RADIONUCLIDES (pCi/L)											1WS04701R8
^{3}H	<216	<540	<280	-	<214	<319	<230	<474	<331	<266	<331
^{90}Sr	<1.4	<1.6	NS	-	-	-	-	-	-		
^{137}Cs	<30	<30	<30	-	-	-	-	-			
Gross Alpha	-	<2.2	-	-	-	-	-	-	-		
Gross Beta	-	3.1	-	-	-	-	-	-			
OTHER											
pH	-	-	-	-	-	-	-	-	7.47	7.65	7.84
Dissolved Oxygen (mg/L)	-	-	-	-	-	-	-	-	2.06		
Orthophosphate	-	-	-	-	-	<1.0	-	-			
Alkalinity (mg/L)	130	138	134	-	128	123	-	-	142*		
Specific Conductance (mS/cm)		-	-	-	-	-	-	-	0.423		
Total Dissolved Solids (mg/L)		-	-	-	-	275	-	-	-		
Ammonia Nitrogen (mg/L)	-	-	-	-	-	0.033	-	<0.01	0		
Total Organic Carbon (mg/L)		-	-	-	-	0.68	-	<0.40			
Chemical Oxygen Demand (mg/L)		-	-	-	-	8	-	<14.0	-		
Biochemical Oxygen Demand (mg/L)		-	-	-	-	-	-	-			
Carbon Dioxide (mg/L)									24.2*		
Oxidation Reduction Potential (mV)									384		

* Estimated using onsite field test kit analytical methods

U= Non-detect

GIN 4

DATA SOURCE:	INEEL
ANALYTE\DATE	8/1/00
VOCs	1WS04801VA
PCE (μg/L)	1.962
TCE (μg/L)	6.779
cis-1,2-DCE (μg/L)	0.5 U
trans-1,2-DCE (μg/L)	0.5 U
total-1,2-DCE (μg/L)	
vinyl chloride (μg/L)	2 U
Ethene (μg/L)	
Ethane (μg/L)	
Methane (μg/L)	
Hydrogen Sulfide	
ANIONS	
Nitrate (mg/L)	
Nitrite (mg/L)	
Nitrate/Nitrite (mg/L)	
Sulfate (mg/L)	
Chloride (mg/L)	
Phosphate (mg/L)	
METALS (ug/L)	
Aluminum	
Antimony	
Arsenic	
Barium	
Beryllium	
Cadmium	
Calcium	
Chromium	
Cobalt	
Copper	
Iron	
Lead	
Magnesium	
Manganese	
Mercury	
Nickel	
Potassium	
Selenium	
Silver	
Sodium	
Thallium	
Vanadium	
Zinc	
RADIONUCLIDES (pCi/L)	1WS04801R8
^{3}H	<273
^{90}Sr	
^{137}Cs	
Gross Alpha	
Gross Beta	
OTHER	
pH	7.91
Dissolved Oxygen (mg/L)	
Orthophosphate	
Alkalinity (mg/L)	
Specific Conductance (mS/cm)	
Total Dissolved Solids (mg/L)	
Ammonia Nitrogen (mg/L)	
Total Organic Carbon (mg/L)	-
Chemical Oxygen Demand (mg/L)	-
Biochemical Oxygen Demand (mg/L)	-
Carbon Dioxide (mg/L)	
Oxidation Reduction Potential (mV)	
* Estimated using onsite field test kit analytical methods	
U= Non-detect	

MW 2

DATA SOURCE:	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO
ANALYTE\DATE	8/30/94	12/19/94	3/21/96	5/30/96	2/7/97	8/25/97	7/14/98	8/10/98	10/12/98	6/26/99
VOCs										
PCE (μg/L)	<1	<1	<5	<5	<5	<5	<5	<5	<5	<5
TCE (μg/L)	0.2	0.3	<5	<5	<5	<5	<5	<5	<5	<5
cis-1,2-DCE (μg/L)	<1	-	<5	<5	<5	<2	<2	<2	<2	<5
trans-1,2-DCE (μg/L)	<1	-	<5	<5	<5	<2	<2	<2	<2	<5
total-1,2-DCE (μg/L)	-	<1	-	-	-	-	-	-	-	
vinyl chloride (μg/L)										<5
Ethene (μg/L)	-	-	-	-	-	<1	-	-	-	<2
Ethane (μg/L)	-	-	-	-	-	<1	-	-	-	<2
Methane (μg/L)	-	-	-	-	-	0.64	-	-	-	<1
Hydrogen Sulfide	-	-	-	-	-	<0.05	-	-	-	-
ANIONS										
Nitrate (mg/L)	-	-	-	-	-	-	6.3	-	-	1.4
Nitrite (mg/L)	-	-	-	-	-	-	<0.2	-	-	
Nitrate/Nitrite (mg/L)	-	15.7	-	-	-	2.09	-	-	-	
Sulfate (mg/L)	-	37.6	-	-	-	50.8	50.4	-	-	52.6
Chloride (mg/L)	-	-	-	-	-	135	111	-	-	113
Phosphate (mg/L)								-		<0.75
METALS (ug/L)										
Aluminum	-	-	<26.0	47.1	<50.0	<50.0	<24.7	-	-	<15.6
Antimony	-	-	<29.6	<2.9	<50.0	<50.0	<3.6	-	-	
Arsenic	-	-	<1.2	<2.5	2.0	<2.5	<2.6	-	-	
Barium	-	-	210	177	196	198	195	-	-	
Beryllium	-	-	<0.30	<0.40	<4.0	<4.0	<0.10	-	-	
Cadmium	-	-	<3.5	<0.40	<5.0	<5.0	<0.40	-	-	
Calcium	-	-	71,700	60,800	69,600	72,400	67,200	-	-	78,100
Chromium	-	-	9.5	11.1	<10.0	<10.0	7.7	-	-	
Cobalt	-	-	<4.5	<0.90	<10.0	<10.0	<0.60	-	-	
Copper	-	-	<5.1	4.5	<5.0	<5.0	1.9	-	-	
Iron	-	-	66.2	172	<10.0	69.6	752	-	-	-
Lead	-	-	8.5	15.6	2.5	7.3	4.9	-	-	
Magnesium	-	-	30,000	27,600	29,700	31,100	29,900	-	-	32,500
Manganese	-	-	6.5	5.5	<2.5	5.0	4.6	-	-	
Mercury	-	-	<0.10	<0.10	<0.10	<0.20	<0.10	-	-	
Nickel	-	-	<10.4	35.6	<15.0	<15.0	1.8	-	-	
Potassium	-	-	6,590	5,680	6,200	6,320	6,610	-	-	6,400
Selenium	-	-	1.9	2.9	<2.5	2.6	<3.6	-	-	
Silver	-	-	<5.3	<1.0	<5.0	<5.0	<4.6	-	-	
Sodium	-	-	27,300	22,600	26,100	25,800	25,300	-	-	28,700
Thallium	-	-	<1.3	<3.6	<2.0	<10.0	<0.90	-	-	
Vanadium	-	-	<4.7	2.4	<10.0	<10.0	1.7	-	-	
Zinc	-	-	656	603	1,190	1,600	1,860	-	-	
RADIONUCLIDES (pCi/L)										
^{3}H	-	<300	<286	<300	<212	<210	<323	<237	<465	<331
^{90}Sr	-	<1	-	-	-	-	-	-	-	-
^{137}Cs	<30	<30	-	-	-	-	-	-	-	
Gross Alpha	-		-	-	-	-	-	-	-	-
Gross Beta	-		-	-	-	-	-	-	-	
OTHER										
pH	-		-	-	-	-	-	-	-	7.56
Dissolved Oxygen (mg/L)	-		-	-	-	-	-	-	-	0
Orthophosphate	-		-	-	-	<0.010	<1.0	-	-	
Alkalinity (mg/L)	-	228	-	-	-	118	115	-	-	118*
Specific Conductance (mS/cm)	-		-	-	-	-	-	-	-	0.76
Total Dissolved Solids (mg/L)	-	-	-	-		467	464	-	-	-
Ammonia Nitrogen (mg/L)	-	-	-	-	-	0.07	0.032	-	<0.01	0*
Total Organic Carbon (mg/L)	-	-	-	-	-	2.7	2.8	-	1.1	
Chemical Oxygen Demand (mg/L)	-	-	-	-	-	5	7.2	-	<14.0	-
Biochemical Oxygen Demand (mg/L)	-	-	-	-	-	<2.0	-	-	-	
Carbon Dioxide (mg/L)										
Oxidation Reduction Potential (mV)										
* Estimated using onsite field test kit analytical methods										
U = Non-detect										
J = Estimated Value										

MW 2

DATA SOURCE:	INEEL	INEEL	INEEL
ANALYTE\DATE	6/13/00	7/13/00	8/1/00
VOCs		1WS05301VA	1WS05401VE
PCE (μg/L)		1 U	1 U
TCE (μg/L)		0.2213 J	0.2225 J
cis-1,2-DCE (μg/L)		0.5 U	0.5 U
trans-1,2-DCE (μg/L)		0.5 U	0.5 U
total-1,2-DCE (μg/L)			
vinyl chloride (μg/L)		2 U	2 U
Ethene (μg/L)			
Ethane (μg/L)			
Methane (μg/L)			
Hydrogen Sulfide			
ANIONS			
Nitrate (mg/L)			
Nitrite (mg/L)			
Nitrate/Nitrite (mg/L)			
Sulfate (mg/L)			
Chloride (mg/L)			
Phosphate (mg/L)			
METALS (ug/L)			
Aluminum			
Antimony			
Arsenic			
Barium			
Beryllium			
Cadmium			
Calcium			
Chromium			
Cobalt			
Copper			
Iron			
Lead			
Magnesium			
Manganese			
Mercury			
Nickel			
Potassium			
Selenium			
Silver			
Sodium			
Thallium			
Vanadium			
Zinc			
RADIONUCLIDES (pCi/L)			
^{3}H	<266	<271	<273
^{90}Sr			
^{137}Cs			
Gross Alpha			
Gross Beta			
OTHER			
pH	7.72	7.83	7.99
Dissolved Oxygen (mg/L)			
Orthophosphate			
Alkalinity (mg/L)			
Specific Conductance (mS/cm)			
Total Dissolved Solids (mg/L)			
Ammonia Nitrogen (mg/L)			
Total Organic Carbon (mg/L)			
Chemical Oxygen Demand (mg/L)			
Biochemical Oxygen Demand (mg/L)			
Carbon Dioxide (mg/L)			
Oxidation Reduction Potential (mV)			
* Estimated using onsite field test kit analytical methods			
U = Non-detect			
J = Estimated Value			

IET Disp

DATA SOURCE:		USGS	USGS	USGS	USGS	USGS	USGS	USGS	USGS	USGS	USGS
ANALYTE\DATE	8/18/53	4/26/82	4/25/86	7/9/87	10/27/87	3/1/89	7/2/92	7/14/93	7/18/94	7/7/95	7/18/96
VOCs											
PCE (μg/L)	-	-	-	-	1.2	0.7	-	-	-	-	-
TCE (μg/L)	-	-	-	-	1.3	0.3	-	-	-	-	-
cis-1,2-DCE (μg/L)	-	-	-	-	<0.2	<0.2	-	-	-	-	-
trans-1,2-DCE (μg/L)	-	-	-	-	<0.2	<0.2	-	-	-	-	-
total-1,2-DCE (μg/L)	-	-	-	-	-	-	-	-	-	-	-
Ethene (μg/L)	-	-	-	-	-	-	-	-	-	-	-
Ethane (μg/L)	-	-	-	-	-	-	-	-	-	-	-
Methane (μg/L)	-	-	-	-	-	-	-	-	-	-	-
Hydrogen Sulfide	-	-	-	-	-	-	-	-	-	-	-
ANIONS											
Nitrate (mg/L)	-	-	-	-	-	0.539	0.82	0.59	0.73	0.65	0.71
Nitrite (mg/L)	-	-	-	-	-	0.021	0.02	0.02	0.02	0.02	0.02
Nitrate/Nitrite (mg/L)	-	-	-	-	-	0.56	0.84	0.61	0.75	0.67	0.73
Sulfate (mg/L)	39	-	-	-	-	33	-	-	-	25	31
Chloride (mg/L)	16	-	23	28	30	38 / 22	25	20	20	17	18
METALS (ug/L)											
Aluminum	-	-	-	-	-	<10	-	-	-	-	-
Antimony	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	2	-	2	2	-	-	-	-	-
Barium	-	-	100	-	110	110	-	-	-	-	-
Beryllium	-	-	-	-	<0.50	-	-	-	-	-	-
Cadmium	-	-	<1.0	-	<1.0	<1.0	-	-	-	-	-
Calcium	41,000	-	-	-	-	50,000	-	-	-	-	-
Chromium	-	-	2	-	1	<1.0	-	-	-	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-
Copper	-	-	-	-	-	-	-	-	-	-	-
Iron	20	-	-	-	-	120	-	-	-	-	-
Lead	-	-	2	-	<5.0	<5.0	-	-	-	-	-
Magnesium	14,000	-	-	-	-	14,000	-	-	-	-	-
Manganese	-	-	-	-	-	170	-	-	-	-	-
Mercury	-	-	<0.1	-	<0.1	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-
Potassium	3,400	-	-	-	-	2,900	-	-	-	-	-
Selenium	-	-	<1	-	<1	1	-	-	-	-	-
Silver	-	-	<1.0	-	1	1	-	-	-	-	-
Sodium	15,000	-	-	-	23,000	22,000	19,000	20,000	19,000	19,000	18,000
Thallium	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-
RADIONUCLIDES (pCi/L)											
^{3}H	-	<400	<600	<600	<600	<320	<400	<320	<400	<340	<400
^{90}Sr	-	-	-	-	<3.0	<3.2	<2.8	<4.0	<4.0	1.8	<1.4
^{137}Cs	-	<12.4	<60	<80	<30	<60	-	-	-	-	-
Gross Alpha	-	-	<1.4	<1.6	-	-	-	-	-	-	-
Gross Beta	-	-	33	<4	-	-	-	-	-	-	-
OTHER											
pH	8.1	-	7.7	-	7.8	7.8	7.9	7.9	7.9	7.9	7.9
Dissolved Oxygen (mg/L)	-	-	-	-	-	0.7	-	-	-	-	-
Orthophosphate (mg/L)	-	-	-	-	-	0.19	0.19	0.2	0.19	0.19	0.22
Alkalinity (mg/L)	128	-	-	-	-	165	-	-	-	-	-
Specific Conductance (mS/cm)	365	-	370	-	472	440	438	433	441	400	427
Total Dissolved Solids (mg/L)	-	-	-	-	-	-	-	-	-	-	-
Ammonia Nitrogen (mg/L)	-	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon (mg/L)	-	-	-	-	-	-	-	-	-	-	-
Chemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	-	-	-	-
Biochemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	-	-	-	-

IET Disp

DATA SOURCE:		LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO
ANALYTE\DATE	7/21/97	11/29/89	3/1/89	11/5/90	11/5/90	5/1/92	5/1/92	10/27/92
VOCs								
PCE (μg/L)	-	<5	<5	<5	<5	<1	<1	0.7
TCE (μg/L)	-	<5	<5	<5	<5	<1	<1	<1
cis-1,2-DCE (μg/L)	-	-	-	-	-	<1	<1	<1
trans-1,2-DCE (μg/L)	-	-	-	-	-	<1	<1	<1
total-1,2-DCE (μg/L)	-	<5	<5	<5	<5	-	-	-
Ethene (μg/L)	-	-	-	-	-	-	-	-
Ethane (μg/L)	-	-	-	-	-	-	-	-
Methane (μg/L)	-	-	-	-	-	-	-	-
Hydrogen Sulfide	-	-	-	-	-	-	-	-
ANIONS								
Nitrate (mg/L)	0.776	0.817	-	0.315	0.350	0.502	0.480	0.47
Nitrite (mg/L)	0.015	-	-	-	-	<0.020	-	<0.020
Nitrate/Nitrite (mg/L)	0.791	-	-	-	-	-	-	-
Sulfate (mg/L)	29	33.6	-	22.0	22.0	31.3	30.2	30.8
Chloride (mg/L)	17	22.7	-	23.5	23.7	19.9	19.8	20.9
METALS (ug/L)								
Aluminum	-	255	-	75	-	3,450	3,830	592
Antimony	-	-	<30.0	<5.3	<6.0	<7	<7	<7
Arsenic	-	2.7	-	-	<2.0	4.3	3.5	<1
Barium	-	136	125	136	133	155	160	113
Beryllium	-	-	-	-	-	<4	<4	<6
Cadmium	-	-	-	-	-	<13	<4	11
Calcium	-	52,000	-	56,800	55,600	52,000	53,500	55,300
Chromium	-	-	-	-	-	7	10	<6
Cobalt	-	-	-	-	-	<12	<12	<11
Copper	-	-	60	-	-	8	9	<17
Iron	-	673	-	298	295	3,670	4,430	916
Lead	-	-	8.3	9.1	10	5.6	6.4	<3.6
Magnesium	-	14,700	-	15,400	15,000	16,100	16,900	15,200
Manganese	-	175	-	206	200	218	232	201
Mercury	-	-	<0.20	<0.12	<0.13	<0.16	<0.15	<0.1
Nickel	-	-	-	-	0	<9	<11	<11
Potassium	-	4,380	-	3,430	3,330	5,130	6,950	4,090
Selenium	-	-	10	<2.0	<2.0	5	5	<20
Silver	-	1.0	-	-	-	<1	<1	<1
Sodium	16,000	22,900	-	23,200	22,600	20,500	21,100	20,400
Thallium	-	-	3.3	-	-	<1	<1	<2
Vanadium	-	-	-	13	<12.0	<15	22	<15
Zinc	-	87	175	118	116	216	251	73.7
RADIONUCLIDES (pCi/L)								
^{3}H	-	<140	-	<160	<340	<280	<280	<80
^{90}Sr	-	<4	-	<1.4	11.9	<1.6	<1.6	-
^{137}Cs	-	<30	-	<30	<30	<30	<30	-
Gross Alpha	-	-	-	-	-	16	11	<2.6
Gross Beta	-	-	-	-	-	12	11	6.6
OTHER								
pH	7.9	-	-	-	-	-	-	-
Dissolved Oxygen (mg/L)	-	-	-	-	-	-	-	-
Orthophosphate (mg/L)	0.166	-	-	-	-	-	-	-
Alkalinity (mg/L)	-	158	-	164	160	166	168	158
Specific Conductance (mS/cm)	431	-	-	-	-	-	-	-
Total Dissolved Solids (mg/L)	-	-	-	-	-	-	-	-
Ammonia Nitrogen (mg/L)	-	-	-	-	-	-	-	-
Total Organic Carbon (mg/L)	-	-	-	-	-	-	-	-
Chemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	-
Biochemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	-

TAN 1

DATA SOURCE:	USGS	USGS	USGS	USGS	USGS	USGS	USGS	LMITCO	LMITCO	LMITCO	LMITCO
ANALYTE\DATE	6/28/56	9/7/77	3/4/82	4/1/82	10/12/84	9/5/85	10/23/87	11/28/89	11/28/89	10/24/90	5/11/92
VOCs											
PCE (μg/L)	-	-	-	-	-	-	2	2	2	3	<1
TCE (μg/L)	-	-	-	-	-	-	7.7	7	7	8	<5
cis-1,2-DCE (μg/L)	-	-	-	-	-	-	<0.2	-	-	-	<1
trans-1,2-DCE (μg/L)	-	-	-	-	-	-	<0.2	-	-	-	<1
total-1,2-DCE (μg/L)	-	-	-	-	-	-		<5	<5	<5	-
vinyl chloride (μg/L)	-	-	-	-	-	-		<5	<5	<5	-
Ethene (μg/L)	-	-	-	-	-	-	-	-	-	-	-
Ethane (μg/L)	-	-	-	-	-	-	-	-	-	-	-
Methane (μg/L)	-	-	-	-	-	-	-	-	-	-	-
Hydrogen Sulfide	-	-	-	-	-	-	-	-	-	-	-
ANIONS											
Nitrate (mg/L)	-	-	-	-	1.1	-	-	1.660	1.664	1.52	1.01
Nitrite (mg/L)	-	-	-	-	<0.010	-	-	-	-	-	<0.005
Nitrate/Nitrite (mg/L)	-	-	-	-	-	-	-	-	-	-	-
Sulfate (mg/L)	32	31	-	-	31	-	-	35.9	34.1	26.0	32.5
Chloride (mg/L)	10	13	-	-	15	-	21	22.9	22.4	26.1	15.4
Phosphate											
METALS (ug/L)											
Aluminum	-	10	-	-	<10	-	-	-	-	138	53
Antimony	-	-	-	-	-	-	-	-	-	-	<9
Arsenic	-	-	-	-	-	2	2	2.6	2.6	-	3.6
Barium	-	-	-	-	-	100	95	119	119	121	93
Beryllium	-	-	-	-	-	-	<0.50	-	-	-	<4
Cadmium	-	-	-	-	-	<1.0	<1.0	-	-	-	<5
Calcium	56,000	50,000	-	-	50,000	-	-	56,500	54,500	51,600	51,500
Chromium	-	-	-	-	<1	3	4	-	-	-	<6
Cobalt	-	-	-	-	-	-	-	-	-	-	<12
Copper	-	-	-	-	-	-	-	27	-	236	271
Iron	0	<10	-	-	7	-	-	36	35	<85.0	99
Lead	-	-	-	-	8	1	<5.0	-	-	<3.2	<3.4
Magnesium	15,000	14,000	-	-	15,000	-	-	16,600	16,800	16,900	16,200
Manganese	-	<10	-	-	<1.0	-	-	6.0	6.0	-	4
Mercury	-	-	-	-	<0.1	<0.1	<0.1	-	-	0.12	<0.17
Nickel	-	-	-	-	-	-	-	-	-	-	<9
Potassium	2,400	2,500	-	-	2,300	-	-	2,450	2,490	2,090	3,430
Selenium	-	-	-	-	-	2	2	1.0	1.4	<2.0	<2
Silver	-	-	-	-	-	<1.0	<1.0	-	-	-	<1
Sodium	7,200	7,300	-	-	7,500	-	8,000	8,930	8,630	8,570	7,950
Thallium	-	-	-	-	-	-	-	-	-	-	<1
Vanadium	-	-	-	-	-	-	-	-	-	-	<15
Zinc	-	-	-	-	-	-	-	-	-	25	<6
RADIONUCLIDES (pCi/L)											
^{3}H	-	<400	<400	<400	-	-	<300	<100	<140	240	<280
^{90}Sr	-	-	-	-	-	-	<1.5	10	4	1.8	<1.2
^{137}Cs	-	-	-	-	-	-	<28	<30	<30	<30	<30
Gross Alpha	-	-	-	-	-	-	-	-	-	-	<2.4
Gross Beta	-	-	-	-	-	-	-	-	-	-	4.2
OTHER											
pH	8.0	7.9	-	-	-	8.2	7.8	-	-	-	-
Dissolved Oxygen (mg/L)	-	-	-	-	-	-	-	-	-	-	-
Orthophosphate	-	-	-	-	0.02	-	-	-	-	-	-
Alkalinity (mg/L)	164	156	-	-	-	-	-	146	146	144	150
Specific Conductance (mS/cm)	405	387	-	-	-	380	416	-	-	-	-
Total Dissolved Solids (mg/L)	-	-	-	-	-	-	-	-	-	-	-
Ammonia Nitrogen (mg/L)	-	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon (mg/L)	-	-	-	-	-	-	-	-	-	-	-
Chemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	-	-	-	-
Biochemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	-	-	-	-
Carbon Dioxide (mg/L)											
Oxidation Reduction Potential (mV)											

* Estimated using onsite field test kit analytical methods

TAN 1

DATA SOURCE:	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO
ANALYTE\DATE	5/11/92	10/28/92	5/30/96	9/16/96	8/19/97	8/19/97	10/14/99
VOCs							
PCE (μg/L)	<2	3	1	3	<5	<5	1
TCE (μg/L)	<5	16	6	12	5	5	5
cis-1,2-DCE (μg/L)	<1	0.2	<5	<5	<2	<2	
trans-1,2-DCE (μg/L)	<1	<1	<5	<5	<2	<2	<5
total-1,2-DCE (μg/L)	-	-	-	-	-	-	<5
vinyl chloride (μg/L)	-	-	-	-			<5
Ethene (μg/L)	-	-	-	<3	<1	-	2
Ethane (μg/L)	-	-	-	<3	<1	-	2
Methane (μg/L)	-	-	-	<2	1.1	-	1
Hydrogen Sulfide	-	-	-	<0.298	<0.05	-	-
ANIONS							
Nitrate (mg/L)	0.99	1.44	-	-	-	-	0.8
Nitrite (mg/L)	<0.005	<20	-	-	-	-	
Nitrate/Nitrite (mg/L)	-	-	-	1.6	1.19	-	
Sulfate (mg/L)	32.5	32.5	-	<5.0	26.3	-	29.3
Chloride (mg/L)	15.0	20.7	-	22.3	17.4	-	14.7
Phosphate							0.15
METALS (ug/L)							
Aluminum	<39	51.3	-	268	159	-	23.4
Antimony	<9	<7	-	<50.0	<0.0	-	
Arsenic	2.4	<1	-	2.5	<2.5	-	
Barium	95	101	-	89.2	94.2	-	
Beryllium	<4	<4	-	<4.0	<4.0	-	
Cadmium	<6	7	-	<5.0	<5.0	-	
Calcium	49,900	61,800	-	51,300	53,800	-	53,000
Chromium	<6	<6	-	<10.0	<10.0	-	
Cobalt	<12	<11	-	<10.0	<10.0	-	
Copper	211	170	-	139	45.8	-	
Iron	<21	<27.7	-	213	212	-	-
Lead	<2.3	<2.5	-	<1.5	4.5	-	
Magnesium	16,500	18,400	-	14,600	15,200	-	15,800
Manganese	<4	<3	-	6.2	6.5	-	
Mercury	<0.13	<0.1	-	<0.10	<0.10	-	
Nickel	<9	<11	-	<15.0	<15.0	-	
Potassium	3,540	2,760	-	2,390	2,,240	-	
Selenium	<1.9	<20	-	<2.5	<2.5	-	
Silver	<1	<1	-	<5.0	<5.0	-	
Sodium	8,040	9,330	-	7,310	7,630	-	1,730
Thallium	<1	<2	-	<2.0	<2.0	-	
Vanadium	<15	<15	-	<10.0	<10.0	-	
Zinc	<6	<15	-	<5.0	28.9	-	
RADIONUCLIDES (pCi/L)							
^{3}H	<280	<280	-	330	<218	-	62.6+/-202
^{90}Sr	<0.8	NS	-	-	-	-	<0.602
^{137}Cs	<30	<30	-	-	-	-	
Gross Alpha	2.8	-	-	-	-	-	-
Gross Beta	<2.8	-	-	-	-	-	
OTHER							
pH	-	-	-	-	-	-	-
Dissolved Oxygen (mg/L)	-	-	-	-	-	-	-
Orthophosphate	-	-	-	0.04	0.081	-	
Alkalinity (mg/L)	150	144	-	301	142	-	135.2*
Specific Conductance (mS/cm)	-	-	-	-	-	-	-
Total Dissolved Solids (mg/L)	-	-	-	-	-	-	-
Ammonia Nitrogen (mg/L)	-	-	-	-	-	-	0
Total Organic Carbon (mg/L)	-	-	-	-	-	-	
Chemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-
Biochemical Oxygen Demand (mg/L)	-	-	-	-	-	-	
Carbon Dioxide (mg/L)							
Oxidation Reduction Potential (mV)							
* Estimated using onsite field test kit analytical methods							

TAN 2

DATA SOURCE:	USGS	USGS	USGS	USGS	USGS	USGS	USGS	USGS	USGS	LMITCO	LMITCO
ANALYTE\DATE	8/18/53	11/15/53	6/28/56	8/29/68	9/7/77	3/4/82	4/1/82	10/12/84	10/23/87	11/28/89	10/24/90
VOCs											
PCE (μg/L)	-	-	-	-	-	-	-	-	1.1	<5	<5
TCE (μg/L)	-	-	-	-	-	-	-	-	5.4	3	2
cis-1,2-DCE (μg/L)	-	-	-	-	-	-	-	-	<0.2	-	-
trans-1,2-DCE (μg/L)	-	-	-	-	-	-	-	-	<0.2	-	-
total-1,2-DCE (μg/L)	-	-	-	-	-	-	-	-	-	<5	<5
vinyl chloride (μg/L)											
Ethene (μg/L)	-	-	-	-	-	-	-	-	-	-	-
Ethane (μg/L)	-	-	-	-	-	-	-	-	-	-	-
Methane (μg/L)	-	-	-	-	-	-	-	-	-	-	-
Hydrogen Sulfide	-	-	-	-	-	-	-	-	-	-	-
ANIONS											
Nitrate (mg/L)	-	-	-	-	-	-	-	0.36	-	2.113	0.877
Nitrite (mg/L)	-	-	-	-	-	-	-	<0.010	-	-	-
Nitrate/Nitrite (mg/L)	-	-	-	-	-	-	-	-	-	-	-
Sulfate (mg/L)	41	33	32	-	31	-	-	30	-	31.6	26.0
Chloride (mg/L)	14	12	10	-	13	-	-	12	15	11.5	11.5
Phosphate (mg/L)											
METALS (ug/L)											
Aluminum	-	-	-	-	10	-	-	10	-	-	106
Antimony	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	2	2.7	<2.0
Barium	-	-	-	250	-	-	-	-	90	106	111
Beryllium	-	-	-	-	-	-	-	-	<0.50	-	-
Cadmium	-	-	-	20	-	-	-	-	<1.0	-	-
Calcium	56,000	51,000	56,000	-	51,000	-	-	52,000	-	53,500	45,600
Chromium	-	-	-	-	-	-	-	7	4	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-
Copper	-	-	-	-	-	-	-	-	-	28	-
Iron	10	10	-	-	<10	-	-	8	<5.0	73	<302
Lead	-	-	-	-	-	-	-	18	-	2.1	<1.1
Magnesium	17,000	16,000	15,000	-	15,000	-	-	15,000	-	14,500	14,700
Manganese	-	-	-	-	<10	-	-	<1.0	-	6.0	33
Mercury	-	-	-	-	-	-	-	<0.1	<0.1	-	0.10
Nickel	-	-	-	-	-	-	-	-	-	-	-
Potassium	3,400	2,400	2,400	-	2,600	-	-	2,500	-	3,200	1,880
Selenium	-	-	-	0	-	-	-	-	2	-	-
Silver	-	-	-	20	-	-	-	-	<1.0	-	-
Sodium	13,000	8,100	7,300	-	7,200	-	-	7,700	7,000	7,970	7,680
Thallium	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	45	64
RADIONUCLIDES (pCi/L)											
^{3}H	-	-	-	-	<400	<400	<400	-	<300	<120	<380
^{90}Sr	-	-	-	-	-	-	-	-	<1.5	4	12
^{137}Cs	-	-	-	-	-	-	-	-	70	<30	<30
Gross Alpha	-	-	-	-	-	-	-	-	-	-	-
Gross Beta	-	-	-	-	-	-	-	-	-	-	-
OTHER											
pH	8.2	8.2	8.1	-	7.8	-	-	-	7.8	-	-
Dissolved Oxygen (mg/L)	-	-	-	-	-	-	-	-	-	-	-
Orthophosphate	-	-	-	-	-	-	-	<0.010	-	-	-
Alkalinity (mg/L)	172	164	163	-	156	-	-	-	-	146	143
Specific Conductance (mS/cm)	443	391	405	-	384	-	-	-	399	-	-
Total Dissolved Solids (mg/L)	-	-	-	-	-	-	-	-	-	-	-
Ammonia Nitrogen (mg/L)	-	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon (mg/L)	-	-	-	-	-	-	-	-	-	-	-
Chemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	-	-	-	-
Biochemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	-	-	-	-
Carbon Dioxide (mg/L)											
Oxidation Reduction Potential (mV)											
* Estimated using onsite field test kit analytical methods											

TAN 2

DATA SOURCE:	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO
ANALYTE\DATE	5/11/92	10/28/92	10/28/92	5/30/96	9/16/96	8/19/97	6/9/99
VOCs							
PCE (μg/L)	<1	0.7	0.7	<5	<5	<5	<5
TCE (μg/L)	<4	3	3	2	2	2	1
cis-1,2-DCE (μg/L)	<1	<1	<1	<5	<5	<2	<5
trans-1,2-DCE (μg/L)	<1	<1	<1	<5	<5	<2	<5
total-1,2-DCE (μg/L)	-	-	-	-	-	-	
vinyl chloride (μg/L)							<5
Ethene (μg/L)	-	-	-	-	<3	<1	<2
Ethane (μg/L)	-	-	-	-	<3	<1	<2
Methane (μg/L)	-	-	-	-	0.16	0.073	<1
Hydrogen Sulfide	-	-	-	-	<0.298	<0.05	-
ANIONS							
Nitrate (mg/L)	0.90	0.89	0.91	-	-	-	0.6
Nitrite (mg/L)	<0.005	<0.020	<0.020	-	-	-	
Nitrate/Nitrite (mg/L)	-	-	-	-	1.2	1.24	
Sulfate (mg/L)	30.6	30.6	31.2	-	29.7	31.5	29.4
Chloride (mg/L)	12.1	11.2	11.4	-	12.4	13.1	12.3
Phosphate (mg/L)							<0.75
METALS (ug/L)							
Aluminum	<39	<33	<33	-	64.7	<50.0	69.4
Antimony	11.5	<7	<7	-	<50.0	<50.0	
Arsenic	2.9	<1	<1	-	2.2	<2.5	
Barium	87	91	88.3	-	80.0	89.1	
Beryllium	<4	<4	<4.7	-	<4.0	<4.0	
Cadmium	<8	7.3	6.3	-	<5.0	<5.0	
Calcium	44,000	56,000	56,000	-	46,300	51,600	50,700
Chromium	<6	<6	<6	-	<10.0	<10.0	
Cobalt	<12	<11	<11	-	<10.0	<10.0	
Copper	<24	21	<17	-	<5.0	42.4	
Iron	<21	<155	<84.7	-	55.0	15.3	-
Lead	<2	<2.8	<1.8	-	<1.5	2.9	
Magnesium	14,500	15,300	15,700	-	13,000	14,500	14,200
Manganese	<4	<3	<4	-	<2.5	<2.5	
Mercury	<0.14	<0.1	<0.1	-	<0.10	<0.010	
Nickel	<9	<11	11.3	-	<15.0	<15.0	
Potassium	2,470	2,430	2,450	-	2,150	2,070	2,100
Selenium	<5	<20	<20	-	<2.5	<2.5	
Silver	<1	<1	<1	-	<5.0	<5.0	
Sodium	7,140	7,870	7,650	-	6,720	7,400	7,320
Thallium	<1	<2	<2	-	<2.0	<2.0	
Vanadium	<15	<15	<15	-	<10.0	<10.0	
Zinc	97	59.3	34.7	-	63.8	71.0	
RADIONUCLIDES (pCi/L)							
^{3}H	<280	<280	<280	-	<188	<214	<338
^{90}Sr	<1.0	-	-	-	-	-	<0.488
^{137}Cs	<30	<30	<30	-	-	-	
Gross Alpha	3.6	<5.6	5.4	-	-	-	-
Gross Beta	<3.2	<5.2	5.8	-	-	-	
OTHER							
pH	-	-	-	-	-	-	6.99
Dissolved Oxygen (mg/L)	-	-	-	-	-	-	8.63
Orthophosphate	-	-	-	-	0.03	0.025	
Alkalinity (mg/L)	147	146	142	-	311	144	144*
Specific Conductance (mS/cm)	-	-	-	-	-	-	0.368
Total Dissolved Solids (mg/L)	-	-	-	-	-	-	-
Ammonia Nitrogen (mg/L)	-	-	-	-	-	-	1*
Total Organic Carbon (mg/L)	-	-	-	-	-	-	
Chemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-
Biochemical Oxygen Demand (mg/L)	-	-	-	-	-	-	
Carbon Dioxide (mg/L)							28*
Oxidation Reduction Potential (mV)							406

* Estimated using onsite field test kit analytical methods

TAN 3

DATA SOURCE:	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO
ANALYTE\DATE	12/18/89	12/18/89	11/8/90	4/28/92	10/29/92	5/14/96	6/10/96	8/28/97	6/10/99
VOCs									
PCE (μg/L)	<5	<5	<5	<1	<1	<5	<5	<5	<5
TCE (μg/L)	<5	<5	<5	<1	0.4	<5	<5	<5	<5
cis-1,2-DCE (μg/L)	-	-	-	<1	<1	<5	<5	<2	<5
trans-1,2-DCE (μg/L)	-	-	-	<1	<1	<5	<5	<2	<5
total-1,2-DCE (μg/L)	<5	<5	<5	-	-	-	-	-	
vinyl chloride (μg/L)									<5
Ethene (μg/L)	-	-	-	-	-	-	<3	<1	<2
Ethane (μg/L)	-	-	-	-	-	-	<3	<1	<2
Methane (μg/L)	-	-	-	-	-	-	0.09	<1	<1
Hydrogen Sulfide	-	-	-	-	-	-	<0.298	<0.05	-
ANIONS									
Nitrate (mg/L)	1.01	1.01	0.832	0.818	0.91	-	-	-	0.9
Nitrite (mg/L)	-	-	-	<0.02	<0.02	-	-	-	
Nitrate/Nitrite (mg/L)	-	-	-	-	-	-	0.89	0.906	
Sulfate (mg/L)	33.8	33.7	21.0	30.5	30.4	-	29.2	33.1	28.6
Chloride (mg/L)	13.4	13.4	11.4	10.9	10.4	-	11.7	13.0	11.8
Phosphate (mg/L)									<0.75
METALS (ug/L)									
Aluminum	-	-	-	<39	<33	-	<50.0	<50.0	42.2
Antimony	-	-	<7.2	<7	<7	-	<50.0	<50.0	
Arsenic	-	-	2.7	<2	<1	-	2.1	<2.5	
Barium	99	99	119	91	78.7	-	79.9	84.6	
Beryllium	-	-	-	<4	<4	-	<4.0	<4.0	
Cadmium	-	-	-	<8	8	-	<5.0	<5.0	
Calcium	53,000	52,000	59,800	53,000	53,300	-	47,000	51,300	49,800
Chromium	-	-	-	<6	<6	-	<10.0	<10.0	
Cobalt	-	-	-	<12	<11	-	<10.0	<10.0	
Copper	-	-	25	<7	<17	-	<5.0	<5.0	
Iron	87	101	450	1,700	<191	-	1,600	412	-
Lead	4.4	80.3	4.8	<5.7	<2.2	-	<1.5	9.5	
Magnesium	14,100	14,100	14,600	14,700	14,400	-	12,500	13,600	13,600
Manganese	13	13	11	<12	<7.7	-	34.6	3.3	
Mercury	2.0	5.0	<0.19	<0.1	<0.1	-	<0.10	<0.20	
Nickel	-	-	-	<9	<11	-	<15.0	<15.0	
Potassium	4,700	4,760	2,100	2,510	2,830	-	2,130	1,900	1,770
Selenium	1.6	2.1	<2.0	1	<2	-	<2.5	<2.5	
Silver	-	-	-	<1	<1	-	<5.0	<5.0	
Sodium	8,450	8,350	8,400	7,350	6,970	-	6,750	7,020	7,130
Thallium	-	-	-	<1	<2	-	<2.0	<2.0	
Vanadium	-	-	<12.0	<15	<15	-	<10.0	<10.0	
Zinc	608	610	449	288	284	-	228	1,470	
RADIONUCLIDES (pCi/L)									
^{3}H	<200	<240	<160	<280	<280	-	<200	<210	<338
^{90}Sr	<6	<3.8	<2.6	<1.6	-	-	-	-	<0.465
^{137}Cs	<30	<30	<30	<30	<30	-	-	-	
Gross Alpha	-	-	-	<2.0	-	-	-	-	-
Gross Beta	-	-	-	4.1	-	-	-	-	
OTHER									
pH	-	-	-	-	-	-	-	-	7.32
Dissolved Oxygen (mg/L)	-	-	-	-	-	-	-	-	5.06
Orthophosphate	-	-	-	-	-	-	0.02	0.016	
Alkalinity (mg/L)	138	138	160	150	140	-	288	141	138*
Specific Conductance (mS/cm)	-	-	-	-	-	-	-	-	0.358
Total Dissolved Solids (mg/L)	-	-	-	-	-	-	-	-	-
Ammonia Nitrogen (mg/L)	-	-	-	-	-	-	-	-	0
Total Organic Carbon (mg/L)	-	-	-	-	-	-	-	-	
Chemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	-	-
Biochemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	-	
Carbon Dioxide (mg/L)									34.4*
Oxidation Reduction Potential (mV)									327
* Estimated using onsite field test kit analytical methods									

TAN 4

DATA SOURCE:	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO
ANALYTE\DATE	12/5/89	10/23/90	5/13/92	10/21/92	8/13/96	8/20/97	6/23/99
VOCs							
PCE (μg/L)	20	24	13	<13	9	14	9
TCE (μg/L)	70	73	56	<79	51	40	51
cis-1,2-DCE (μg/L)	-	-	0.5	<10	<5	<2	<5
trans-1,2-DCE (μg/L)	-	-	<2	<10	<5	<2	<5
total-1,2-DCE (μg/L)	<5	<5	-	-	-	-	
vinyl chloride (μg/L)							<5
Ethene (μg/L)	-	-	-	-	<3	0.88	<2
Ethane (μg/L)	-	-	-	-	<3	0.93	<2
Methane (μg/L)	-	-	-	-	2.70	93	110
Hydrogen Sulfide	-	-	-	-	<0.298	<0.05	-
ANIONS							
Nitrate (mg/L)	1.437	1.70	1.65	1.65	-	-	1.4
Nitrite (mg/L)	-	-	<0.005	<0.02	-	-	
Nitrate/Nitrite (mg/L)	-	-	-	-	2.3	1.29	
Sulfate (mg/L)	28.2	19.0	25.2	24.3	22.8	27.7	19.7
Chloride (mg/L)	23.8	26.9	28.8	20.6	26.9	14.1	28.7
Phosphate (mg/L)							<0.75
METALS (ug/L)							
Aluminum	-	90	295	361	864	<50.0	40.7
Antimony	-	-	<9	<7	<50.0	<50.0	
Arsenic	-	-	<2	<1	<2.0	<2.5	
Barium	173	181	151	171	125	114	
Beryllium	-	-	<4	<4	<4.0	<4.0	
Cadmium	-	-	<7	<11.7	7.7	<5.0	
Calcium	59,500	53,600	53,000	56,200	42,400	40,100	50,100
Chromium	10.0	-	<6	<6	<10.0	<10.0	
Cobalt	-	-	<12	<11	<10.0	<10.0	
Copper	156	27	<7	<17	5.7	<5.0	
Iron	244	483	1,490	3,600	7,540	6,320	-
Lead	20.7	<3.2	6.5	<2	3.3	9.5	
Magnesium	15,900	16,000	15,100	15,900	12,400	11,700	13,800
Manganese	284	81	109	241	330	193	
Mercury	-	0.32	<0.12	<0.1	<0.10	<0.10	
Nickel	-	-	<11	<11	<15.0	<15.0	
Potassium	3,630	2,640	3,250	3,390	2,940	2,340	2,090
Selenium	1.4	<2.0	<2	<2	<2.5	<2.5	
Silver	-	-	<1	<1	<5.0	<5.0	
Sodium	10,700	10,200	9,410	10,500	9,360	8,530	9,530
Thallium	-	-	<1	<2	<2.0	<2.0	
Vanadium	-	-	<15	<15	<10.0	<10.0	
Zinc	935	560	1,110	2,280	3,600	5,440	
RADIONUCLIDES (pCi/L)							
^{3}H	900	1,000	800	670	520	490	713+/-117
^{90}Sr	<4	<2.4	<0.8	<1.6	-	-	<0.651
^{137}Cs	<30	<30	<30	<30	-	-	
Gross Alpha	-	-	<2.8	-	-	-	-
Gross Beta	-	-	6.8	-	-	-	
OTHER							
pH	-	-	-	-	-	-	6.69
Dissolved Oxygen (mg/L)	-	-	-	-	-	-	0
Orthophosphate	-	-	-	-	0.06	<0.010	
Alkalinity (mg/L)	156	152	148	136	242	126	117*
Specific Conductance (mS/cm)	-	-	-	-	-	-	0.382
Total Dissolved Solids (mg/L)	-	-	-	-	-	-	-
Ammonia Nitrogen (mg/L)	-	-	-	-	-	-	1*
Total Organic Carbon (mg/L)	-	-	-	-	-	-	
Chemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-
Biochemical Oxygen Demand (mg/L)	-	-	-	-	-	-	
Carbon Dioxide (mg/L)							31.8/16.6
Oxidation Reduction Potential (mV)							-50
* Estimated using onsite field test kit analytical methods							

TAN 5

DATA SOURCE:	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO
ANALYTE\DATE	12/6/89	10/25/90	5/13/92	10/21/92	9/13/96	8/14/97	6/23/99
VOCs							
PCE (μg/L)	16	28	27	22	23	25	12
TCE (μg/L)	71	100	85	100	96	92	58
cis-1,2-DCE (μg/L)	-	-	0.8	<10	<5	<2	<5
trans-1,2-DCE (μg/L)	-	-	<1	<10	<5	<2	<5
total-1,2-DCE (μg/L)	<5	<5	-	-	-	-	
vinyl chloride (μg/L)							<5
Ethene (μg/L)	-	-	-	-	<3	<1	<2
Ethane (μg/L)	-	-	-	-	<3	<1	<2
Methane (μg/L)	-	-	-	-	<2	, 1	2
Hydrogen Sulfide	-	-	-	-	<0.298	<0.05	-
ANIONS							
Nitrate (mg/L)	1.177	0.998	0.900	1.2	-	-	
Nitrite (mg/L)	-	-	<0.005	<0.02	-	-	1
Nitrate/Nitrite (mg/L)	-	-	-	-	1.6	1.99	
Sulfate (mg/L)	31.2	23.0	28.6	29.9	28.5	30.1	26.1
Chloride (mg/L)	28.2	29.5	31.1	28.8	35.9	33.4	26.5
Phosphate (mg/L)							<0.75
METALS (ug/L)							
Aluminum	-	109	<39	61.7	<50.0	<50.0	<15.6
Antimony	-	-	<9	<7	<50.0	<50.0	
Arsenic	-	<2.0	<2	2	<2.0	<2.5	
Barium	127	129	102	115	107	105	
Beryllium	-	-	<4	<4	<4.0	<4.0	
Cadmium	-	-	<6	<5	<5.0	<5.0	
Calcium	61,500	54,600	53,000	64,000	61,600	59,700	60,800
Chromium	-	-	<6	<6	<10.0	<10.0	
Cobalt	-	-	<12	<11	<10.0	<10.0	
Copper	-	32	<7	<17	<5.0	<5.0	
Iron	456	<204	618	437	2,690	154	-
Lead	-	15.4	<1	<2	1.8	5.5	
Magnesium	15,900	15,900	16,000	16,400	16,200	15,800	15,600
Manganese	11	-	13	<14.3	27.3	7.7	
Mercury	-	-	<0.13	<0.1	<0.10	<0.10	
Nickel	-	-	<19	<11	<15.0	<15.0	
Potassium	2,770	1,930	3,330	3,250	2,450	2,060	1,580
Selenium	-	-	<1	<2	<2.5	<2.5	
Silver	-	-	<1	<1	<5.0	<5.0	
Sodium	10,000	9,950	9,470	9,990	9,700	9,270	9,150
Thallium	-	-	<1	<2	<2.0	<2.0	
Vanadium	-	-	<15	<15	<10.0	<10.0	
Zinc	587	244	286	279	159	1,620	
RADIONUCLIDES (pCi/L)							
^{3}H	1,700	1,100	1,200	1,590	1,050	826	579+/-113
^{90}Sr	<4	6.2	<0.8	<1.6	-	-	<0.626
^{137}Cs	<30	<30	<30	<30	-	-	
Gross Alpha	-	-	4.4	-	-	-	-
Gross Beta	-	-	<2.8	-	-	-	
OTHER							
pH	-	-	-	-	-	-	7.42
Dissolved Oxygen (mg/L)	-	-	-	-	-	-	0
Orthophosphate	-	-	-	-	0.02	0.020	
Alkalinity (mg/L)	147	149	152	1,416	313	171	144*
Specific Conductance (mS/cm)	-	-	-	-	-	-	0.432
Total Dissolved Solids (mg/L)	-	-	-	-	-	-	-
Ammonia Nitrogen (mg/L)	-	-	-	-	-	-	1*
Total Organic Carbon (mg/L)	-	-	-	-	-	-	
Chemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-
Biochemical Oxygen Demand (mg/L)	-	-	-	-	-	-	
Carbon Dioxide (mg/L)							25.3*
Oxidation Reduction Potential (mV)							318
* Estimated using onsite field test kit analytical methods							

TAN 6

DATA SOURCE:	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO
ANALYTE\DATE	10/31/90	5/5/92	10/29/92	4/1/96	9/4/96	9/4/96	8/13/97	6/16/99
VOCs								
PCE (μg/L)	<5	<1	<1	<5	<5	<5	<5	<5
TCE (μg/L)	<5	<1	0.4	1	5	4	<5	<5
cis-1,2-DCE (μg/L)	-	<1	<1	<5	<5	<5	<2	<5
trans-1,2-DCE (μg/L)	-	<1	<1	<5	<5	<5	<2	<5
total-1,2-DCE (μg/L)	<5	-	-	-	-	-	-	
vinyle chloride (μg/L)								<5
Ethene (μg/L)	-	-	-	-	<3	<3	<1	<2
Ethane (μg/L)	-	-	-	-	<3	<3	<1	<2
Methane (μg/L)	-	-	-	-	<2	<2	0.94	<1
Hydrogen Sulfide	-	-	-	-	<0.298	<0.298	<0.05	-
ANIONS								
Nitrate (mg/L)	0.574	0.640	0.60	-	-	-	-	0.9
Nitrite (mg/L)	-	<0.005	<0.02	-	-	-	-	
Nitrate/Nitrite (mg/L)	-	-	-	-	0.81	0.64	0.81	
Sulfate (mg/L)	22.0	25.8	25.9	-	25.0	25.1	23.1	25.7
Chloride (mg/L)	7.46	7.47	6.1	-	6.7	6.6	7.4	7.8
Phosphate (mg/L)								<0.75
METALS (ug/L)								
Aluminum	811	<165	181	-	11,900	11,100	<50.0	67.8
Antimony	-	<7	<7	-	<50.0	<50.0	<50.0	
Arsenic	-	2.2	<1	-	2.4	<2.0	<2.5	
Barium	108	80	72	-	123	118	69.5	
Beryllium	-	<4	<4	-	<4.0	<4.0	<4.0	
Cadmium	-	<4	8	-	<5.0	<5.0	<5.0	
Calcium	48,700	49,300	48,400	-	48,000	47,600	43,200	43,900
Chromium	-	<6	6	-	15.7	14.2	<10.0	
Cobalt	-	<12	<11	-	<10.0	<10.0	<10.0	
Copper	52	<7	<17	-	11.6	9.3	<5.0	
Iron	1,680	148	<278	-	8,700	8,050	28.9	-
Lead	<8.3	<1.9	<2.9	-	1.7	1.7	5.5	
Magnesium	18,000	16,900	17,900	-	17,100	17,000	15,100	15,200
Manganese	39	<8	<7.3	-	120	113	<2.5	
Mercury	-	<0.14	<0.1	-	<0.10	<0.10	<0.10	
Nickel	-	<9	<11	-	<15.0	<15.0	<15.0	
Potassium	3,010	4,480	3,850	-	3,840	3,550	3,030	2,400
Selenium	2.8	5	<20	-	<2.5	<2.5	<2.5	
Silver	-	<1	<1	-	<5.0	<5.0	<5.0	
Sodium	10,500	8,890	8,070	-	9,100	9,030	7,450	7,640
Thallium	-	<1	<2	-	<2.0	<2.0	<2.0	
Vanadium	-	21	<15	-	22.0	18.2	<10.0	
Zinc	460	<28	119	-	849	769	937	
RADIONUCLIDES (pCi/L)								
^{3}H	<400	<280	<280	-	<200	<200	<212	<338
^{90}Sr	13	<1.2	-	-	-	-	-	-
^{137}Cs	<30	<30	<30	-	-	-	-	
Gross Alpha	-	5.3	-	-	-	-	-	-
Gross Beta	-	7.0	-	-	-	-	-	
OTHER								
pH	-	-	-	-	-	-	-	7.48
Dissolved Oxygen (mg/L)	-	-	-	-	-	-	-	11.22
Orthophosphate	-	-	-	-	0.53	0.53	0.012	
Alkalinity (mg/L)	148	154	150	-	303	305	168	140*
Specific Conductance (mS/cm)	-	-	-	-	-	-	-	0.343
Total Dissolved Solids (mg/L)	-	-	-	-	-	-	-	-
Ammonia Nitrogen (mg/L)	-	-	-	-	-	-	-	1*
Total Organic Carbon (mg/L)	-	-	-	-	-	-	-	
Chemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	-
Biochemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	
Carbon Dioxide (mg/L)								<20*
Oxidation Reduction Potential (mV)								337

* Estimated using onsite field test kit analytical methods

TAN 7

		DUP						
DATA SOURCE:	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO
ANALYTE\DATE	11/1/90	11/1/90	5/5/92	10/27/92	4/1/96	9/4/96	8/13/97	6/16/99
VOCs								
PCE (μg/L)	<5	<5	<1	1	<5	1	<5	<5
TCE (μg/L)	<5	<5	<1	4	2	8	2	1
cis-1,2-DCE (μg/L)	-	-	<1	<1	<5	<5	<2	<5
trans-1,2-DCE (μg/L)	-	-	<1	<1	<5	<5	<2	<5
total-1,2-DCE (μg/L)	<5	<5	-	-	-	-	-	
vinyl chloride (μg/L)								<5
Ethene (μg/L)	-	-	-	-	-	<3	<1	<2
Ethane (μg/L)	-	-	-	-	-	<3	<1	<2
Methane (μg/L)	-	-	-	-	-	<2	<1	<1
Hydrogen Sulfide	-	-	-	-	-	<0.298	<0.05	-
ANIONS								
Nitrate (mg/L)	0.909	0.928	0.920	0.90	-	-	-	1
Nitrite (mg/L)	-	-	<0.005	<0.02	-	-	-	
Nitrate/Nitrite (mg/L)	-	-	-	-	-	1.2	1.18	
Sulfate (mg/L)	23.0	26.0	31.7	32	-	30.5	38.1	29.3
Chloride (mg/L)	11.3	11.2	10.7	10.1	-	11.5	11.5	12
Phosphate (mg/L)								<0.75
METALS (ug/L)								
Aluminum	116	171	<39	<33	-	<50.0	<50.0	24.8
Antimony	-	-	<7	<7	-	<50.0	<50.0	
Arsenic	-	<2.0	2.7	<1	-	<2.0	<2.5	
Barium	117	114	95	83.3	-	83.3	83.1	
Beryllium	-	-	<4	<4.3	-	<4.0	<4.0	
Cadmium	-	-	<4	7.3	-	<5.0	<5.0	
Calcium	45,600	48,300	52,000	55,000	-	48,100	49,300	49,900
Chromium	-	-	6	<6	-	<10.0	<10.0	
Cobalt	-	-	<12	<11	-	<10.0	<10.0	
Copper	22	24	<7	<17	-	<5.0	<5.0	
Iron	<78.0	<106	141	<22.3	-	59.7	53.3	-
Lead	<2.4	<4.0	69	<8.3	-	<1.5	6.0	
Magnesium	16,300	15,800	16,500	16,200	-	14,100	14,700	14,700
Manganese	-	-	<4	<3	-	<2.5	6.9	
Mercury	<0.12	<0.11	<0.13	<0.1	-	<0.10	<0.10	
Nickel	-	-	<9	<11	-	<15.0	<15.0	
Potassium	2,280	2,220	3,900	2,810	-	2,860	2,450	2,070
Selenium	<2.0	<2.0	5	<2	-	<2.5	<2.5	
Silver	-	-	<1	<1	-	<5.0	<5.0	
Sodium	8,630	8,430	7,910	7,450	-	6,920	7,110	7,360
Thallium	-	-	<1	<2	-	<2.0	<2.0	
Vanadium	-	-	<15	<15	-	<10.0	<10.0	
Zinc	194	193	<49	<15	-	21.3	1,070	
RADIONUCLIDES (pCi/L)								
^{3}H	<160	<140	<280	<280	-	<198	<214	<338
^{90}Sr	1.3	<1.6	<1.2	-	-	-	-	-
^{137}Cs	<30	<30	<30	<30	-	-	-	
Gross Alpha	-	-	<3.6	-	-	-	-	-
Gross Beta	-	-	12	-	-	-	-	
OTHER								
pH	-	-	-	-	-	-	-	7.73
Dissolved Oxygen (mg/L)	-	-	-	-	-	-	-	7.74
Orthophosphate	-	-	-	-	-	0.02	0.011	
Alkalinity (mg/L)	145	146	150	144	-	299	173	140*
Specific Conductance(mS/cm)	-	-	-	-	-	-	-	0.365
Total Dissolved Solids (mg/L)	-	-	-	-	-	-	-	-
Ammonia Nitrogen (mg/L)	-	-	-	-	-	-	-	0
Total Organic Carbon (mg/L)	-	-	-	-	-	-	-	
Chemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	-
Biochemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	
Carbon Dioxide (mg/L)								21.2*
Oxidation Reduction Potential (mV)								264

* Estimated using onsite field test kit analytical methods

TAN 8

DATA SOURCE:	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO
ANALYTE\DATE	12/6/89	12/18/90	5/8/92	11/5/92	5/10/96	9/10/96	8/14/97	6/23/99
VOCs								
PCE (μg/L)	<5	<5	0.3	0.3	<5	<5	<5	<5
TCE (μg/L)	<5	<5	0.9	0.9	<5	<5	<5	<5
cis-1,2-DCE (μg/L)	-	-	<1	<1	<5	<5	<2	<5
trans-1,2-DCE (μg/L)	-	-	<1	<1	<5	<5	<2	<5
total-1,2-DCE (μg/L)	<5	<5	-	-	-	-	-	
vinyl chloride (μg/L)								<5
Ethene (μg/L)	-	-	-	-	-	<3	<1	<2
Ethane (μg/L)	-	-	-	-	-	<3	<1	<2
Methane (μg/L)	-	-	-	-	-	0.12	1.6	4
Hydrogen Sulfide	-	-	-	-	-	<0.298	<0.05	-
ANIONS								
Nitrate (mg/L)	1.105	0.706	0.904	0.878	-	-	-	1
Nitrite (mg/L)	-	-	<0.2	<0.20	-	-	-	
Nitrate/Nitrite (mg/L)	-	-	-	-	-	1.2	1.18	
Sulfate (mg/L)	26.0	19.0	31.7	30.9	-	<5.0	19.9	20.4
Chloride (mg/L)	37.2	35.7	10.7	48.8	-	40.1	41.3	32.4
Phosphate (mg/L)								<0.75
METALS (ug/L)								
Aluminum	-	-	<39	<72.7	-	352	<50.0	29.7
Antimony	-	<4.0	<9	<7	-	<50.0	<50.0	
Arsenic	2.4	-	2.3	<2	-	2.8	<2.5	
Barium	111	101	85	80.7	-	71.3	69.0	
Beryllium	-	-	<4	<4	-	<4.0	<4.0	
Cadmium	-	-	<12	7.5	-	<5.0	<5.0	
Calcium	54,000	52,600	57,000	57,200	-	49,300	51,900	51,100
Chromium	-	-	<7	<11.3	-	<10.0	<10.0	
Cobalt	-	-	<12	<11	-	<10.0	<10.0	
Copper	-	19	<7	<17	-	6.2	<5.0	
Iron	177	1,610	3,580	4,530	-	5,980	263	-
Lead	-	28.4	<2	<2	-	2.4	3.0	
Magnesium	13,600	13,900	1,440	13,700	-	12,500	13,100	12,800
Manganese	14	23	26	22	-	57.6	7.0	
Mercury	-	-	<0.15	<0.1	-	<0.10	<0.10	
Nickel	-	15	<9	<11	-	<15.0	<15.0	
Potassium	5,440	2,470	2,730	2,980	-	2,470	2,370	2,660
Selenium	-	<5.0	<5	<10	-	<2.5	<2.5	
Silver	-	-	<1	<1	-	<5.0	<5.0	
Sodium	8,070	7,620	6,660	<6,350	-	6,080	6,340	6,250
Thallium	-	-	<1	2	-	<2.0	<2.0	
Vanadium	-	-	<15	<15	-	<10.0	<10.0	
Zinc	423	406	481	418	-	345	1,500	
RADIONUCLIDES (pCi/L)								
^{3}H	<160	<400	<280	<260	-	<200	<212	<331
^{90}Sr	<4	10.3	<1.2	<0.4	-	-	-	-
^{137}Cs	<30	<30	<30	<30	-	-	-	
Gross Alpha	-		2.6	<2.6	-	-	-	-
Gross Beta	-		6.7	2	-	-	-	
OTHER								
pH	-	-	-	-	-	-	-	7.53
Dissolved Oxygen (mg/L)	-	-	-	-	-	-	-	5.43
Orthophosphate	-	-	-	-	-	0.06	<0.010	
Alkalinity (mg/L)	117	122	112	136	-	230	124	99*
Specific Conductance (mS/cm)	-	-	-	-	-	-	-	0.358
Total Dissolved Solids (mg/L)	-	-	-	-	-	-	-	-
Ammonia Nitrogen (mg/L)	-	-	-	-	-	-	-	0
Total Organic Carbon (mg/L)	-	-	-	-	-	-	-	
Chemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	-
Biochemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	
Carbon Dioxide (mg/L)								<20*
Oxidation Reduction Potential (mV)								296

* Estimated using onsite field test kit analytical methods

TAN 9

			DUP		DUP					DUP	
DATA SOURCE:	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO
ANALYTE\DATE	12/11/89	11/14/90	11/14/90	6/8/92	6/8/92	10/12/92	3/25/94	6/27/94	10/18/94	10/18/94	11/16/95
VOCs											
PCE (μg/L)	17	20	19	8	9	12	12	9	4	-	14
TCE (μg/L)	86	90	90	57	56	75	40	60	17	-	76
cis-1,2-DCE (μg/L)	-	-	-	<50	<50	10	2	2	2	-	-
trans-1,2-DCE (μg/L)	-	-	-	<50	<50	<10	0.2	<1	<2	-	-
total-1,2-DCE (μg/L)	<5	2	2	-	-	-	-	-	-	-	2
vinyl chloride (μg/L)											
Ethene (μg/L)	-	-	-	-	-	-	-	-	-	-	-
Ethane (μg/L)	-	-	-	-	-	-	-	-	-	-	-
Methane (μg/L)	-	-	-	-	-	-	-	-	-	-	-
Hydrogen Sulfide	-	-	-	-	-	-	-	-	-	-	-
ANIONS											
Nitrate (mg/L)	2.347	1.55	1.56	1.66	1.66	1.20	-	-	-	-	-
Nitrite (mg/L)	-	-	-	<0.02	<0.02	<0.02	-	-	-	-	-
Nitrate/Nitrite (mg/L)	-	-	-	-	-	-	-	-	-	-	-
Sulfate (mg/L)	45.2	34.0	30.0	43.4	45.4	40.9	-	-	-	-	-
Chloride (mg/L)	79.0	128	128	119	122	115	-	-	-	-	-
Phosphate (mg/L)											
METALS (ug/L)											
Aluminum	-	89	126	<39	<67	41	-	-	-	-	<43.0
Antimony	-	<6.0	<6.8	11.4	15	<7	-	-	-	-	<4.0
Arsenic	-	-	-	<2	<2	<2	-	-	-	-	<2.0
Barium	270	286	303	245	254	239	216	269	229	-	250
Beryllium	-	-	-	<4	<4	<4	-	-	-	-	<4.0
Cadmium	-	-	-	<4	<4	<6	-	-	-	-	<4.0
Calcium	94,600	86,800	92,600	84,400	86,000	86,600	-	-	-	-	86,500
Chromium	-	-	-	<6	<6	<6	-	-	-	-	<4.0
Cobalt	-	-	-	<12	<12	<11	-	-	-	-	<14.0
Copper	-	19	-	<7	<7	<17	<5.0	<8.0	<12.0	-	<6.0
Iron	278	324	330	229	254	<299	-	-	-	-	<242
Lead	3.7	10.3	2.7	5.5	7.6	<2	1.2	1.0	3.5	-	<1.0
Magnesium	25,600	24,600	26,400	24,200	24,800	24,800	-	-	-	-	23,600
Manganese	15	12	13	14	13	<13	-	-	-	-	<7.5
Mercury	-	-	-	<0.1	<0.1	<0.1	<0.12	<0.10	<0.10	-	<0.10
Nickel	-	-	-	<9	<9	13	-	-	-	-	<19.0
Potassium	5,100	4,480	4,680	6,170	6,140	5,700	-	-	-	-	4,400
Selenium	-	-	-	<1	<1	<2	-	-	-	-	<4.0
Silver	-	-	-	<1	<1	<1	-	-	-	-	<1.0
Sodium	44,000	42,200	45,500	45,800	47,300	44,500	-	-	-	-	56,100
Thallium	-	-	<1.0	<1.6	<1.9	<1	-	-	-	-	<2.3
Vanadium	-	<12.0	<12.0	<15	<15	<15	-	-	-	-	<14.0
Zinc	724	526	540	292	306	256	<37.0	42	165	-	135
RADIONUCLIDES (pCi/L)											
^{3}H	8,000	6,900	6,700	6,200	5,600	5,750	3,900	4,600	3,900	-	3,000
^{90}Sr	15	15.9	6.9	7.7	10	NS	<8 / <6	6 / 5	9	13	580
^{137}Cs	<30	<30	<30	<30	<30	<30	<30	<30	<30	-	<30
Gross Alpha	-	-	-	<5.0	<5.4	-	-	-	-	-	-
Gross Beta	-	-	-	26	21	-	-	-	-	-	-
$^{230}Th/^{234}U$	-						-	-			5.3
^{235}U	-						-	-			<0.16
^{238}U	-						-	-			0.94
^{60}Co											
OTHER											
pH	-	-	-	-	-	-	7.23	7.51	-	-	-
Dissolved Oxygen (mg/L)	-	-	-	-	-	-	-	-	-	-	-
Orthophosphate	-	-	-	-	-	-	-	-	-	-	-
Alkalinity (mg/L)	186	192	194	202	208	192	-	-	-	-	210
Specific Conductance (mS/cm)	-	-	-	-	-	-	748	826	-	-	779
Total Dissolved Solids (mg/L)	-	-	-	-	-	-	-	-	-	-	-
Ammonia Nitrogen (mg/L)	-	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon (mg/L)	-	-	-	-	-	-	-	-	-	-	-
Chemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	-	-	-	-
Biochemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	-	-	-	-
Carbon Dioxide (mg/L)	-	-	-	-	-	-	-				
Oxidation Reduction Potential (mV)	-	-	-	-	-	-	-				

* Estimated using onsite field test kit analytical methods

TAN 9

				DUP		
DATA SOURCE:	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO
ANALYTE\DATE	3/14/96	8/13/96	7/9/97	7/9/97	6/22/99	6/22/99
VOCs						
PCE (μg/L)	10	10	3	-	8	7
TCE (μg/L)	61	93	40	-	60	60
cis-1,2-DCE (μg/L)	-	-	3	-	49	51
trans-1,2-DCE (μg/L)	-	-	2	-	7	6
total-1,2-DCE (μg/L)	1	11	-	-		
vinyl chloride (μg/L)					7	7
Ethene (μg/L)	-	<3	<12	-	<2	<2
Ethane (μg/L)	-	<3	<12	-	<2	<2
Methane (μg/L)	-	0.05	<7	-	260	260
Hydrogen Sulfide	-	<0.298	<0.050	-	0	0
ANIONS						
Nitrate (mg/L)	-	-	-	-	1.7	>5
Nitrite (mg/L)	-	-	-	-		
Nitrate/Nitrite (mg/L)	-	2.2	4.15	2.67		
Sulfate (mg/L)	-	42.4	54.0	60.1	33.4	33.7
Chloride (mg/L)	-	102	98.0	99.2	89.4	89.2
Phosphate (mg/L)					<0.75	<0.75
METALS (ug/L)						
Aluminum	-	<50.0	<50.0	<50.0	<15.6	127
Antimony	-	<50.0	<50.0	<50.0		
Arsenic	-	<2.0	2.8	<2.5		
Barium	-	211	207	206		
Beryllium	-	<4.0	<4.0	<4.0		
Cadmium	-	<5.0	<5.0	<5.0		
Calcium	-	75,500	64,200	63,600	88,300	46,300
Chromium	-	<10.0	<10.0	<10.0		
Cobalt	-	<10.0	<10.0	<10.0		
Copper	-	<5.0	<5.0	<5.0		
Iron	-	3,330	42.7	44.3	0.06	0.02
Lead	-	2.2	6.6	6.5		
Magnesium	-	21,300	18,700	18,600		
Manganese	-	49.5	3.5	3.0	25,000	11,700
Mercury	-	<0.10	<0.10	<0.10		
Nickel	-	<15.0	<15.0	<15.0		
Potassium	-	4,960	5,100	5,110	4,430	1,780
Selenium	-	<2.5	<2.5	<2.5		
Silver	-	<5.0	<5.0	<5.0		
Sodium	-	48,900	54,400	54,300	50,600	8,170
Thallium	-	<2.0	<2.0	<2.0		
Vanadium	-	<10.0	<10.0	<10.0		
Zinc	-	90.9	1,020	1,020		
RADIONUCLIDES (pCi/L)						
^{3}H	-	4,770	4,550	4,340	2,660+/-	2,480+/-204
^{90}Sr	9.1	-	16.6	-	16.7+/-	16.6+/-1.6
^{137}Cs	<30	-	<3.02	-	<9.58	<9.50
Gross Alpha	5.6	-	2.62	-	5.65+/-	2.76+/-0.74
Gross Beta	-	-	-	-		
$^{230}Th/^{234}U$						
^{235}U					<36.5	<36.2
^{238}U						
^{60}Co					<6.32	<6.26
OTHER					7.14	
pH	-	-	-	-		-
Dissolved Oxygen (mg/L)	-	-	-	-	0	-
Orthophosphate	-	0.02	0.018	0.010		
Alkalinity (mg/L)	-	417	171	172	203	202*
Specific Conductance (mS/cm)	-	-	-	-	0.798	-
Total Dissolved Solids (mg/L)	-	-	-	-	500	
Ammonia Nitrogen (mg/L)	-	-	-	-	0	
Total Organic Carbon (mg/L)	-	-	-	-		
Chemical Oxygen Demand (mg/L)	-	-	-	-	-	-
Biochemical Oxygen Demand (mg/L)	-	-	-	-		
Carbon Dioxide (mg/L)					28.8	27.8*
Oxidation Reduction Potential (mV)					67	0

* Estimated using onsite field test kit analytical methods

TAN 10A

		DUP			DUP					DUP
DATA SOURCE:	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO
ANALYTE\DATE	1/11/90	1/11/90	10/30/90	6/3/92	6/3/92	10/10/92	3/17/94	6/27/94	10/19/94	10/19/94
VOCs										
PCE (μg/L)	11	11	6	4	5	5	0.4	2	3	-
TCE (μg/L)	28	25	18	13	11	31	6	6	12	-
cis-1,2-DCE (μg/L)	-	-	-	<1	<1	<1	0.2	<1	<1	-
trans-1,2-DCE (μg/L)	-	-	-	<1	<1	<1	<1	<1	<1	-
total-1,2-DCE (μg/L)	<5	<5	<5	-	-	-	-	-	-	-
vinyl chloride (μg/L)										
Ethene (μg/L)	-	-	-	-	-	-	-	-	-	-
Ethane (μg/L)	-	-	-	-	-	-	-	-	-	-
Methane (μg/L)	-	-	-	-	-	-	-	-	-	-
Hydrogen Sulfide	-	-	-	-	-	-	-	-	-	-
ANIONS										
Nitrate (mg/L)	0.614	0.497	1.55	1.168	1.14	0.96	-	-	-	-
Nitrite (mg/L)	-	-	-	<0.02	<0.02	<0.02	-	-	-	-
Nitrate/Nitrite (mg/L)	-	-	-	-	-	-	-	-	-	-
Sulfate (mg/L)	37.5	37.4	26.0	37.8	38.0	38.5	-	-	-	-
Chloride (mg/L)	1131	107	89.8	111	73.7	99.2	-	-	-	-
Phosphate (mg/L)										
METALS (ug/L)										
Aluminum	-	-	178	<39	<39	67	-	-	-	-
Antimony	-	-	-	15.7	15.5	<7	-	-	-	-
Arsenic	-	-	<2.0	<2	<2	<2	-	-	-	-
Barium	206	238	238	218	227	214	177	208	176	-
Beryllium	-	-	-	<4	<4	<4	-	-	-	-
Cadmium	-	-	-	<8	<6	<5	-	-	-	-
Calcium	83,900	103,000	83,500	91,000	90,000	95,000	-	-	-	-
Chromium	-	-	-	<6	<6	<6	-	-	-	-
Cobalt	-	-	-	<12	<12	<11	-	-	-	-
Copper	-	-	26	<7	<10	<17	<5.0	10.1	<12.0	-
Iron	262	250	563	557	572	1,660	-	-	-	-
Lead	8.1	2.6	14.6	<1	<1	<2.5	<1.0	<1.0	<1.0	-
Magnesium	20,400	25,000	24,300	23,800	23,600	24,400	-	-	-	-
Manganese	67	80	44	23	25	<24	-	-	-	-
Mercury	-	-	-	<0.1	<0.1	<0.1	<0.10	<0.10	<0.10	-
Nickel	-	-	-	<9	<9	<11	-	-	-	-
Potassium	3,590	4,180	3,220	3,790	3,730	3,980	-	-	-	-
Selenium	-	-	<2.0	5	5	<2	-	-	-	-
Silver	-	-	-	<1	<1	<1	-	-	-	-
Sodium	28,400	33,500	31,600	35,300	36,700	33,200	-	-	-	-
Thallium	-	-	-	<1.8	<1.5	<1	-	-	-	-
Vanadium	-	-	12	<15	<17	<25	-	-	-	-
Zinc	123	144	341	179	157	209	75	21	77.7	-
RADIONUCLIDES (pCi/L)										
^{3}H	2,800	2,700	3,600	2,500	2,400	1,940	1,500	1,600	2,100	-
^{90}Sr	76	75	470	130	150	181	156 / 166	153 / 146	143	153
^{137}Cs	<30	<30	<30	<30	<30	<30	<30	<30	<30	-
Gross Alpha	-	-	-	13	<4.0	-	-	-	-	-
Gross Beta	-	-	-	420	410	-	-	-	-	-
$^{230}Th/^{234}U$	-	-	-	-	-	-	-	-	-	-
^{235}U	-	-	-	-	-	-	-	-	-	-
^{238}U	-	-	-	-	-	-	-	-	-	-
^{60}Co										
OTHER										
pH	-	-	-	-	-	-	7.24	7.31	-	-
Dissolved Oxygen (mg/L)	-	-	-	-	-	-	-	-	-	-
Orthophosphate	-	-	-	-	-	-	-	-	-	-
Alkalinity (mg/L)	174	182	183	184	182	180	-	-	-	-
Specific Conductance (mS/cm)	-	-	-	-	-	-	743	712	-	-
Total Dissolved Solids (mg/L)	-	-	-	-	-	-	-	-	-	-
Ammonia Nitrogen (mg/L)	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon (mg/L)	-	-	-	-	-	-	-	-	-	-
Chemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	-	-	-
Biochemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	-	-	-
Carbon Dioxide (mg/L)										
Oxidation Reduction Potential (mV)										
* Estimated using onsite field test kit analytical methods										

TAN 10A

				DUP		
DATA SOURCE:	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO
ANALYTE\DATE	11/15/95	3/13/96	9/3/96	9/3/96	8/27/97	6/21/99
VOCs						
PCE (μg/L)	5	2	4	-	<5	<5
TCE (μg/L)	11	10	9	-	15	4
cis-1,2-DCE (μg/L)	<5	<5	<5	-	<2	<5
trans-1,2-DCE (μg/L)	<5	<5	<5	-	<2	<5
total-1,2-DCE (μg/L)	-	-	-	-	-	
vinyl chloride (μg/L)						<5
Ethene (μg/L)	-	-	<3	-	<1	3
Ethane (μg/L)	-	-	<3	-	<1	<2
Methane (μg/L)	-	-	3.70	-	6.1	18
Hydrogen Sulfide	-	-	<0.298	-	<0.05	0
ANIONS						
Nitrate (mg/L)	-	-	3.8	-	-	0.8
Nitrite (mg/L)	-	-	<12.5	-	-	
Nitrate/Nitrite (mg/L)	-	-	1.2	-	1.26	
Sulfate (mg/L)	-	-	<5.0	-	34.6	34
Chloride (mg/L)		-	77.0	-	78.4	76
Phosphate (mg/L)						<0.75
METALS (ug/L)						
Aluminum	<43.0	-	<50.0	-	<50.0	<15.6
Antimony	<4.0	-	<50.0	-	<50.0	
Arsenic	<2.0	-	3.1	-	<2.5	
Barium	191	-	169	-	176	
Beryllium	<4.0	-	<4.0	-	<4.0	
Cadmium	8.6	-	<5.0	-	<5.0	
Calcium	77,300	-	64,900	-	70,200	69,400
Chromium	<4.0	-	<10.0	-	<10.0	
Cobalt	<14.0	-	<10.0	-	<10.0	
Copper	<6.0	-	6.3	-	<5.0	
Iron	2,660	-	2,740	-	261	50*
Lead	<1.0	-	<1.5	-	10.1	
Magnesium	20,000	-	17,500	-	18,600	
Manganese	<21.6	-	53.5	-	6.5	18,800
Mercury	<0.10	-	<0.10	-	<0.20	
Nickel	<19.0	-	<15.0	-	<15.0	
Potassium	2,770	-	3,210	-	2,960	2,230
Selenium	<4.0	-	<2.5	-	<2.5	
Silver	<1.0	-	<5.0	-	<5.0	
Sodium	34,700	-	31,600	-	35,800	44,900
Thallium	<3.2	-	<2.0	-	<10.0	
Vanadium	<14.0	-	<10.0	-	<10.0	
Zinc	192	-	133	-	1,660	
RADIONUCLIDES (pCi/L)						
^{3}H	860	-	1,020	-	789	781+/-121
^{90}Sr	131	117	117	115	10.8	91.4+/-8.3
^{137}Cs	<30	-	<2.12	<4.66	-	<14.3
Gross Alpha	-	5.4	1.74	<1.19	2.00	4.83+/-0.81
Gross Beta	-	-	231	230	-	
$^{230}Th/^{234}U$	4.1	-	-	-	-	
^{235}U	<0.14	-	-	-	-	<45.2
^{238}U	0.98	-	-	-	-	
^{60}Co						<16.6
OTHER						
pH	-	-	-	-	-	7.12
Dissolved Oxygen (mg/L)	-	-	-	-	-	0
Orthophosphate	-	-	0.08	-	0.054	
Alkalinity (mg/L)	182	-	359	-	185	187*
Specific Conductance (mS/cm)	659	-	-	-	-	0.7
Total Dissolved Solids (mg/L)	-	-	-	-	-	410
Ammonia Nitrogen (mg/L)	-	-	-	-	-	0
Total Organic Carbon (mg/L)	-	-	-	-	-	
Chemical Oxygen Demand (mg/L)	-	-	-	-	-	0
Biochemical Oxygen Demand (mg/L)	-	-	-	-	-	
Carbon Dioxide (mg/L)						32*
Oxidation Reduction Potential (mV)						239

* Estimated using onsite field test kit analytical methods

TAN 11

		DUP			DUP					DUP
DATA SOURCE:	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO
ANALYTE\DATE	12/14/89	12/14/89	10/29/90	6/1/92	6/1/92	10/10/92	3/17/94	6/24/94	10/19/94	10/19/94
VOCs										
PCE (μg/L)	24	27	21	19	18	18	19	10	17	-
TCE (μg/L)	89	-	75	75	80	87	46	30	55	-
cis-1,2-DCE (μg/L)	-	-	-	<1	<1	2	0.9	0.6	0.8	-
trans-1,2-DCE (μg/L)	-	-	-	<1	<1	<5	<1	<1	<2	-
total-1,2-DCE (μg/L)	<5	<5	<5	-	-	-	-	-	-	-
vinyl chloride (μg/L)										
Ethene (μg/L)	-	-	-	-	-	-	-	-	-	-
Ethane (μg/L)	-	-	-	-	-	-	-	-	-	-
Methane (μg/L)	-	-	-	-	-	-	-	-	-	-
Hydrogen Sulfide	-	-	-	-	-	-	-	-	-	-
ANIONS										
Nitrate (mg/L)	0.870	0.928	0.782	0.660	0.729	0.60	-	-	-	-
Nitrite (mg/L)	-	-	-	<0.02	<0.02	<0.02	-	-	-	-
Nitrate/Nitrite (mg/L)	-	-	-	-	-	-	-	-	-	-
Sulfate (mg/L)	28.8	28.8	23.0	30.6	33.6	28.7	-	-	-	-
Chloride (mg/L)	47.8	47.8	36.5	52.3	49.3	49	-	-	-	-
Phosphate (mg/L)										
METALS (ug/L)										
Aluminum	-	-	123	<39	<39	104	-	-	-	-
Antimony	-	-	-	10.1	11	<7	-	-	-	-
Arsenic	-	-	<2.0	<2	<2	<2	-	-	-	-
Barium	104	105	120	88	87	89	59	79.8	69.5	-
Beryllium	-	-	-	<4	<4	<4	-	-	-	-
Cadmium	-	-	-	<9	<8	<9	-	-	-	-
Calcium	55,000	54,500	47,800	46,600	47,500	54,200	-	-	-	-
Chromium	-	-	-	<6	<6	<7	-	-	-	-
Cobalt	-	-	-	<12	<12	<11	-	-	-	-
Copper	-	-	21	<7	<7	<17	<5.0	<8.0	<12.0	-
Iron	801	646	2,300	3,420	3,520	5,940	-	-	-	-
Lead	2.7	4.7	<4.6	<1	<1	<2.1	<1.0	<1.0	3.1	-
Magnesium	19,800	19,600	20,400	18,800	19,100	20,800	-	-	-	-
Manganese	39	41	26	33	33	42	-	-	-	-
Mercury	-	-	-	<0.1	<0.1	<0.1	<0.10	<0.10	<0.10	-
Nickel	-	-	-	16	13	<11	-	-	-	-
Potassium	4,420	4,530	3,260	3,800	3,740	3,940	-	-	-	-
Selenium	-	-	-	5	5	<2	-	-	-	-
Silver	-	-	-	<1	<1	<1	-	-	-	-
Sodium	16,400	16,700	17,400	16,100	16,000	15,600	-	-	-	-
Thallium	-	-	-	<1.2	<1.4	<1	-	-	-	-
Vanadium	-	-	13	<15	<15	<16	-	-	-	-
Zinc	580	560	461	639	704	837	55	46	171	-
RADIONUCLIDES (pCi/L)										
^{3}H	3,100	3,500	3,300	3,200	3,000	2,650	2,400	2,600	2,300	-
^{90}Sr	6	<4	3	<1.6	<1.8	-	<6 / <2.6	<2 / <2	<2	<2
^{137}Cs	<30	<30	<30	<30	<30	<30	<30	<30	<30	-
Gross Alpha	-	-	-	9.6	<3.2	-	-	-	-	-
Gross Beta	-	-	-	10	11	-	-	-	-	-
^{60}Co										
OTHER										
pH	-	-	-	-	-	-	7.37	7.27	-	-
Dissolved Oxygen (mg/L)	-	-	-	-	-	-	-	-	-	-
Orthophosphate	-	-	-	-	-	-	-	-	-	-
Alkalinity (mg/L)	141	142	134	134	142	130	-	-	-	-
Specific Conductance (mS/cm)	-	-	-	-	-	-	476	487	-	-
Total Dissolved Solids (mg/L)	-	-	-	-	-	-	-	-	-	-
Ammonia Nitrogen (mg/L)	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon (mg/L)	-	-	-	-	-	-	-	-	-	-
Chemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	-	-	-
Biochemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	-	-	-
Carbon Dioxide (mg/L)										
Oxidation Reduction Potential (mV)										
* Estimated using onsite field test kit analytical methods										

TAN 11

DATA SOURCE:	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO
ANALYTE\DATE	11/15/95	3/13/96	8/12/96	8/27/97	7/6/99
VOCs					
PCE (μg/L)	-	19	16	19	19
TCE (μg/L)	-	75	69	71	66
cis-1,2-DCE (μg/L)	-	<5	<5	<2	<5
trans-1,2-DCE (μg/L)	-	<5	<5	<2	<5
total-1,2-DCE (μg/L)	-	-	-	-	
vinyl chloride (μg/L)					<5
Ethene (μg/L)	-	-	<3	<1	<2
Ethane (μg/L)	-	-	<3	<1	<2
Methane (μg/L)	-	-	0.40	7.8	3
Hydrogen Sulfide	-	-	<0.298	<0.05	-
ANIONS					
Nitrate (mg/L)	-	-	-	-	0.7
Nitrite (mg/L)	-	-	-	-	
Nitrate/Nitrite (mg/L)	-	-	0.89	0.818	
Sulfate (mg/L)	-	-	25.0	14.1	23
Chloride (mg/L)		-	50.3	51.9	46.7
Phosphate (mg/L)					<0.75
METALS (ug/L)					
Aluminum	-	-	78.8	<50.0	<15.6
Antimony	-	-	<50.0	<50.0	
Arsenic	-	-	<2.0	<2.5	
Barium	-	-	71.6	176	
Beryllium	-	-	<4.0	<4.0	
Cadmium	-	-	<5.0	<5.0	
Calcium	-	-	47,600	46,900	48,800
Chromium	-	-	<10.0	<10.0	
Cobalt	-	-	<10.0	<10.0	
Copper	-	-	<5.0	<5.0	
Iron	-	-	5,020	438	-
Lead	-	-	2.2	5.9	
Magnesium	-	-	19,700	19,900	20,700
Manganese	-	-	54.6	11.6	
Mercury	-	-	<0.10	<0.20	
Nickel	-	-	<15.0	<15.0	
Potassium	-	-	3,730	3,420	2,,890
Selenium	-	-	<2.5	<2.5	
Silver	-	-	<5.0	<5.0	
Sodium	-	-	14,100	13,100	14,100
Thallium	-	-	<2.0	<10.0	
Vanadium	-	-	<10.0	<10.0	
Zinc	-	-	481	2,960	
RADIONUCLIDES (pCi/L)					
^{3}H	1,900	-	1,960	1,650	1840+/-151
^{90}Sr	-	0.8	-	<0.21	<0.606
^{137}Cs	<30	-	-	-	
Gross Alpha	<10	-	-	-	-
Gross Beta	10	-	-	-	
^{60}Co					-
OTHER					
pH	-	-	-	-	7.71
Dissolved Oxygen (mg/L)	-	-	-	-	6.39
Orthophosphate	-	-	0.02	<0.010	
Alkalinity (mg/L)	132	-	271	130	124*
Specific Conductance (mS/cm)	474	-	-	-	0.466
Total Dissolved Solids (mg/L)	-	-	-	-	295
Ammonia Nitrogen (mg/L)	-	-	-	-	1
Total Organic Carbon (mg/L)	-	-	-	-	
Chemical Oxygen Demand (mg/L)	-	-	-	-	-
Biochemical Oxygen Demand (mg/L)	-	-	-	-	
Carbon Dioxide (mg/L)					35.6*
Oxidation Reduction Potential (mV)					147
* Estimated using onsite field test kit analytical methods					

TAN 12

			DUP					DUP		
DATA SOURCE:	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO
ANALYTE\DATE	10/23/90	6/3/92	6/3/92	10/13/92	3/16/94	6/24/94	10/19/94	10/19/94	11/15/95	3/14/96
VOCs										
PCE (μg/L)	13	11	10	11	8	9	13	-	21	9
TCE (μg/L)	39	37	36	44	25	29	40	-	39	32
cis-1,2-DCE (μg/L)	-	<1	0.3	<10	0.3	0.2	0.4	-	<5	<5
trans-1,2-DCE (μg/L)	-	<1	<1	<10	<1	<1	<2	-	<5	<5
total-1,2-DCE (μg/L)	<5	-	-	-	-	-	-	-	-	-
vinyl chloride (μg/L)										
Ethene (μg/L)	-	-	-	-	-	-	-	-	-	-
Ethane (μg/L)	-	-	-	-	-	-	-	-	-	-
Methane (μg/L)	-	-	-	-	-	-	-	-	-	-
Hydrogen Sulfide	-	-	-	-	-	-	-	-	-	-
ANIONS										
Nitrate (mg/L)	0.779	0.737	0.741	0.69	-	-	-	-	-	-
Nitrite (mg/L)	-	<0.02	<0.02	<0.02	-	-	-	-	-	-
Nitrate/Nitrite (mg/L)	-	-	-	-	-	-	-	-	-	-
Sulfate (mg/L)	19.0	32.0	31.4	26.9	-	-	-	-	-	-
Chloride (mg/L)	44.2	42.0	42.8	44.3	-	-	-	-	-	-
Phosphate (mg/L)										
METALS (ug/L)										
Aluminum	1,820	2,950	3,510	7,530	-	-	-	-	-	-
Antimony	-	10.6	10	<7	-	-	-	-	-	-
Arsenic	-	<2	<2	2.4	-	-	-	-	-	-
Barium	76	68	66	70	40	48.2	45.2	-	-	-
Beryllium	-	<4	<4	<4	-	-	-	-	-	-
Cadmium	-	<6	<10	<17	-	-	-	-	-	-
Calcium	46,400	53,200	49,400	50,800	-	-	-	-	-	-
Chromium	-	9	8	<18	-	-	-	-	-	-
Cobalt	-	<12	<12	<11	-	-	-	-	-	-
Copper	19	<7	<7	<17	6.0	<8.0	<12.0	-	-	-
Iron	1,340	2,820	3,010	4,620	-	-	-	-	-	-
Lead	<5.1	4.7	4.6	<7	<1.0	<1.0	4.9	-	-	-
Magnesium	20,000	21,800	21,800	23,400	-	-	-	-	-	-
Manganese	25	58	55	80	-	-	-	-	-	-
Mercury	-	<0.1	<0.1	<0.1	<0.10	<0.10	<0.10	-	-	-
Nickel	-	<9	11	<11	-	-	-	-	-	-
Potassium	3,190	3,770	3,700	4,160	-	-	-	-	-	-
Selenium	-	5	5	<2	-	-	-	-	-	-
Silver	-	<1	<1	<1	-	-	-	-	-	-
Sodium	11,600	17,100	16,600	15,200	-	-	-	-	-	-
Thallium	-	<1.3	<1.2	<1	-	-	-	-	-	-
Vanadium	-	<25	<21	<17	-	-	-	-	-	-
Zinc	248	116	119	<51	<8.0	13	<12.0	-	-	-
RADIONUCLIDES (pCi/L)										
^{3}H	1,800	1,500	1,700	1,730	1,500	1,800	1,600	-	1,700	-
^{90}Sr	<2.4	<1.8	<2.6	NS	<4 / <2.6	<2.8 / <2	<2	<4	<1.6	-
^{137}Cs	<30	<30	<30	<30	<30	<30	<30	-	<30	-
Gross Alpha	-	12	4.2	-	-	-	-	-	<2.6	-
Gross Beta	-	22	9.5	-	-	-	-	-	6.0	-
^{60}Co										
OTHER										
pH	-	-	-	-	7.48	7.34	-	-	-	-
Dissolved Oxygen (mg/L)	-	-	-	-	-	-	-	-	-	-
Orthophosphate	-	-	-	-	-	-	-	-	-	-
Alkalinity (mg/L)	130	130	130	130	-	-	-	-	132	-
Specific Conductance (mS/cm)	-	-	-	-	428	468	-	-	455	-
Total Dissolved Solids (mg/L)	-	-	-	-	-	-	-	-	-	-
Ammonia Nitrogen (mg/L)	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon (mg/L)	-	-	-	-	-	-	-	-	-	-
Chemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	-	-	-
Biochemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	-	-	-
Carbon Dioxide (mg/L)										
Oxidation Reduction Potential (mV)										
* Estimated using onsite field test kit analytical methods										

DATA SOURCE:	LMITCO	LMITCO	LMITCO
ANALYTE\DATE	8/7/96	7/7/97	7/7/99
VOCs			
PCE (μg/L)	9	9	1
TCE (μg/L)	30	30	14
cis-1,2-DCE (μg/L)	<5	<2	150
trans-1,2-DCE (μg/L)	<5	<2	8
total-1,2-DCE (μg/L)	-	-	
vinyl chloride (μg/L)			18
Ethene (μg/L)	<3	<12	6.6
Ethane (μg/L)	<3	<12	<2
Methane (μg/L)	0.10	<7	560
Hydrogen Sulfide	<0.298	<0.050	-
ANIONS			
Nitrate (mg/L)	-	-	0
Nitrite (mg/L)	-	-	
Nitrate/Nitrite (mg/L)	0.55	0.826	
Sulfate (mg/L)	25.1	30.3	28.9
Chloride (mg/L)	44.3	45.1	13.3
Phosphate (mg/L)			<0.75
METALS (ug/L)			
Aluminum	92,000	4,160	9,050
Antimony	<50.0	<50.0	
Arsenic	8.1	<2.5	
Barium	865	82.4	
Beryllium	<4.0	<4.0	
Cadmium	9.4	<5.0	
Calcium	172,000	49,200	90,100
Chromium	186	17.8	
Cobalt	58.3	<10.0	
Copper	86.4	<5.0	
Iron	100,000	3,390	-
Lead	67.1	7.8	
Magnesium	70,200	20,700	
Manganese	1,960	86.7	36,900
Mercury	<0.10	<0.10	
Nickel	217	<15.0	
Potassium	8,940	3,750	4,530
Selenium	<12.5	2.7	
Silver	<5.0	<5.0	
Sodium	32,000	13,200	48,300
Thallium	<2.0	<2.0	
Vanadium	85.1	<10.0	
Zinc	314	512	
RADIONUCLIDES (pCi/L)			
^{3}H	1,330	1,070	1180+/-117
^{90}Sr	-	-	3.82+/-0.45
^{137}Cs	-	-	
Gross Alpha	-	-	-
Gross Beta	-	-	
^{60}Co			
OTHER			
pH	-	-	7.59
Dissolved Oxygen (mg/L)	-	-	3.37
Orthophosphate	4.6	0.12	
Alkalinity (mg/L)	421	132	273/285*
Specific Conductance (mS/cm)	-	-	0.783
Total Dissolved Solids (mg/L)	-	-	593
Ammonia Nitrogen (mg/L)	-	-	0
Total Organic Carbon (mg/L)	-	-	
Chemical Oxygen Demand (mg/L)	-	-	-
Biochemical Oxygen Demand (mg/L)	-	-	
Carbon Dioxide (mg/L)			168.8*
Oxidation Reduction Potential (mV)			213
* Estimated using onsite field test kit analytical methods			

TAN 13A

		DUP							
DATA SOURCE:	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO
ANALYTE\DATE	11/26/90	11/26/90	5/7/92	11/6/92	5/9/96	8/28/96	8/18/97	6/10/99	6/10/99
VOCs									
PCE (μg/L)	<5	<5	<1	<1	<5	<5	<5	<5	<5
TCE (μg/L)	<5	<5	<1	0.4	<5	<5	<5	<5	<5
cis-1,2-DCE (μg/L)	-	-	<1	<1	<5	<5	<2	<5	<5
trans-1,2-DCE (μg/L)	-	-	<1	<1	<5	<5	<2	<5	<5
total-1,2-DCE (μg/L)	<5	<5	-	-	-	-	-		
vinyl chloride (μg/L)								<5	<5
Ethene (μg/L)	-	-	-	-	-	<3	<1	<2	<2
Ethane (μg/L)	-	-	-	-	-	<3	<1	<2	<2
Methane (μg/L)	-	-	-	-	-	0.12	2.8	3.4	3.2
Hydrogen Sulfide	-	-	-	-	-	<0.298	<0.05	-	-
ANIONS									
Nitrate (mg/L)	0.314	0.318	0.280	0.31	-	1.7	-	0.2	0.2
Nitrite (mg/L)	-	-	<0.005	<0.1	-	<0.50	-		
Nitrate/Nitrite (mg/L)	-	-	-	-	-	0.41	<0.050		
Sulfate (mg/L)	5.0	5.0	11.6	12.9	-	14.7	19.0	14.5	14.6
Chloride (mg/L)	2.79	2.75	3.3	3.18	-	3.2	4.4	3.3	3.4
Phosphate (mg/L)								<0.75	<0.75
METALS (ug/L)									
Aluminum	92	129	<39	<33	-	193	<50.0	15.9	20.9
Antimony	<4.0	<4.0	<7	<4	-	<50.0	<50.0		
Arsenic	-	-	<2	<2	-	2.1	<2.5		
Barium	95	94	84	78	-	72.0	68.0		
Beryllium	-	-	<4	<4	-	<4.0	<4.0		
Cadmium	-	-	<4	7	-	<5.0	<5.0		
Calcium	41,100	41,100	46,800	42,500	-	38,800	38,300	38,500	39,100
Chromium	-	-	<6	<6	-	<10.0	<10.0		
Cobalt	-	-	<12	<11	-	<10.0	<10.0		
Copper	-	-	<7	<17	-	<5.0	<5.0		
Iron	<118	<119	65	<59.3	-	211	16.9	-	-
Lead	<1.7	<1.7	<4	<2	-	<1.5	9.6		
Magnesium	10,900	11,000	12,800	11,700	-	10,700	10,700	10,900	10,900
Manganese	<15.0	<16.0	120	56.7	-	16.8	4.6		
Mercury	-	-	<0.13	<0.1	-	<0.10	<0.10		
Nickel	-	-	<9	<11	-	<15.0	<15.0		
Potassium	2,180	2,170	3,330	2,600	-	2,720	1,980	2,660	1,350
Selenium	-	<2.0	5	<2	-	<2.5	<2.5		
Silver	-	-	<1	<1	-	<5.0	<5.0		
Sodium	6,830	6,660	6,540	<6,220	-	5,620	500	5,770	5,750
Thallium	-	-	<1	<2	-	<2.0	<2.0		
Vanadium	<7.0	-	<15	<15	-	<10.0	<10.0		
Zinc	654	639	127	<81	-	99.6	916		
RADIONUCLIDES (pCi/L)									
^{3}H	<400	<160	<280	<260	-	<198	<212	<338	<338
^{90}Sr	2	<1.4	<1.0	<0.2	-	<0.164	-	<0.543	<0.507
^{137}Cs	<30	<30	<30	<30	-	<5.50	-		
Gross Alpha	-	-	<2.4	-	-	<1.56	-		-
Gross Beta	-	-	4.1	-	-	5.35	-		
OTHER									
pH	-	-	-	-	-	-	-	7.26	-
Dissolved Oxygen (mg/L)	-	-	-	-	-	-	-	8.94	-
Orthophosphate	-	-	-	-	-	0.01	0.012		
Alkalinity (mg/L)	118	124	148	140	-	271	132	125	128*
Specific Conductance (mS/cm)	-	-	-	-	-	-	-	0.267	
Total Dissolved Solids (mg/L)	-	-	-	-	-	-	-	-	-
Ammonia Nitrogen (mg/L)	-	-	-	-	-	-	-	0	0
Total Organic Carbon (mg/L)	-	-	-	-	-	-	-		
Chemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	-	-
Biochemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-		
Carbon Dioxide (mg/L)								20.2	<20
Oxidation Reduction Potential (mV)									354

* Estimated using onsite field test kit analytical methods

TAN 14

		DUP			DUP				
DATA SOURCE:	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO
ANALYTE\DATE	10/22/90	10/22/90	5/7/92	11/6/92	11/6/92	5/10/96	9/10/96	8/27/97	6/10/99
VOCs									
PCE (μg/L)	<5	<5	<1	0.4	0.3	<5	<5	<5	<5
TCE (μg/L)	<5	<5	<1	1	1	1	2	<5	<5
cis-1,2-DCE (μg/L)	-	-	<1	<1	<1	<5	<5	<2	<5
trans-1,2-DCE (μg/L)	-	-	<1	<1	<1	<5	<5	<2	<5
total-1,2-DCE (μg/L)	<5	<5	-	-	-	-	-	-	
vinyl chloride (μg/L)									<5
Ethene (μg/L)	-	-	-	-	-	-	<3	<1	<2
Ethane (μg/L)	-	-	-	-	-	-	<3	<1	<2
Methane (μg/L)	-	-	-	-	-	-	0.03	<1	<1
Hydrogen Sulfide	-	-	-	-	-	-	<0.298	<0.05	-
ANIONS									
Nitrate (mg/L)	0.713	0.745	0.610	0.684	0.634	-	-	-	0
Nitrite (mg/L)	-	-	<0.005	<0.060	<0.100	-	-	-	
Nitrate/Nitrite (mg/L)	-	-	-	-	-	-	0.72	1.32	
Sulfate (mg/L)	11.0	18.0	15.9	17.1	171	-	14.5	7.03	15.1
Chloride (mg/L)	3.13	3.48	3.25	3.12	3.10	-	3.3	5.1	3.3
Phosphate (mg/L)									<0.75
METALS (ug/L)									
Aluminum	5,490	4,380	<223	1,320	1,540	-	624	21,300	7,580
Antimony	-	-	<7	<7	<7	-	<50.0	<50.0	
Arsenic	2.2	2	2.5	<2	<2	-	2.9	5.3	
Barium	76	73	46	52.7	54.3	-	46.0	95.6	
Beryllium	-	-	<4	<4	<4	-	<4.0	<4.0	
Cadmium	-	-	<12	12	14.3	-	<5.0	<5.0	
Calcium	37,800	37,100	34,200	37,600	37,700	-	34,400	55,100	34,200
Chromium	20	10	11	<11.3	<10.7	-	10.2	226	
Cobalt	-	-	<12	<11	<11	-	<10.0	<10.0	
Copper	49	46	<7	<17	<17	-	<5.0	28.5	
Iron	7,530	5,260	193	941	1,090	-	506	19,200	-
Lead	<7.9	13.2	<1.8	<2	<2	-	<1.5	22.7	
Magnesium	17,500	16,000	12,900	12,500	12,500	-	11,700	20,700	14,100
Manganese	115	84	<15	22.7	22	-	7.8	242	
Mercury	-	-	<0.14	<0.1	<0.1	-	<0.10	<0.20	
Nickel	36	-	<9	<11	<11	-	<15.0	134	
Potassium	3,960	4,040	3,340	3,040	3,270	-	2,820	3,240	1,650
Selenium	-	<2.0	5	<2	<20	-	<2.5	<12.5	
Silver	-	-	<1	<1	<1	-	<5.0	<5.0	
Sodium	7,620	7,560	6,450	7,850	8,090	-	6,750	9,930	8,940
Thallium	-	-	<1	<2	<2	-	<2.0	<2.0	
Vanadium	-	12	<15	<15.3	<26.7	-	<10.0	19.9	
Zinc	142	122	134	244	252	-	144	24,000	
RADIONUCLIDES (pCi/L)									
^{3}H	<180	<140	<280	<280	<260	-	<200	<214	<338
^{90}Sr	4.7	<2.2	<1.8	<0.4	<0.4	-	-	-	<0.503
^{137}Cs	<30	<30	<30	<30	<30	-	-	-	
Gross Alpha	-	-	3.4	<2	<2.2	-	-	-	-
Gross Beta	-	-	7.0	4.6	3.7	-	-	-	
OTHER									
pH	-	-	-	-	-	-	-	-	7.73
Dissolved Oxygen (mg/L)	-	-	-	-	-	-	-	-	0
Orthophosphate	-	-	-	-	-	-	0.05	1.28	
Alkalinity (mg/L)	118	118	120	126	125	-	263	136	124*
Specific Conductance (mS/cm)	-	-	-	-	-	-	-	-	0.249
Total Dissolved Solids (mg/L)	-	-	-	-	-	-	-	-	-
Ammonia Nitrogen (mg/L)	-	-	-	-	-	-	-	-	0
Total Organic Carbon (mg/L)	-	-	-	-	-	-	-	-	
Chemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	-	
Biochemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	-	-
Carbon Dioxide (mg/L)									<20*
Oxidation Reduction Potential (mV)									210

* Estimated using onsite field test kit analytical methods

TAN 15

							DUP			
DATA SOURCE:	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO
ANALYTE\DATE	10/25/90	5/12/92	10/21/92	4/1/96	8/21/96	8/18/97	8/18/97	7/16/98	9/9/98	9/9/98
VOCs										
PCE (μg/L)	8	7	<10	6	6	6	8	7	8	8
TCE (μg/L)	32	37	<41	38	41	42	44	44	49	48
cis-1,2-DCE (μg/L)	-	0.5	<10	<5	<5	<2	<2	<2	2	1
trans-1,2-DCE (μg/L)	-	<1	<10	<5	<5	<2	<2	<2	<2	<2
total-1,2-DCE (μg/L)	<5	-	-	-	-	-	-	-	-	-
vinyl chloride (μg/L)										
Ethene (μg/L)	-	-	-	-	<3	<1	-	-	-	-
Ethane (μg/L)	-	-	-	-	<3	<1	-	-	-	-
Methane (μg/L)	-	-	-	-	<2	0.83	-	-	-	-
Hydrogen Sulfide	-	-	-	-	<0.298	<0.05	-	-	-	-
ANIONS										
Nitrate (mg/L)	1.04	1.090	1.19	-	-	-	-	4.7	-	-
Nitrite (mg/L)	-	<0.005	<0.02	-	-	-	-	<0.2	-	-
Nitrate/Nitrite (mg/L)	-	-	-	-	1.4	1.65	-	-	-	-
Sulfate (mg/L)	28.0	32.9	30	-	31.4	27.9	-	29.5	-	-
Chloride (mg/L)	19.7	20.6	17.8	-	21.7	21.7	-	21	-	-
Phosphate (mg/L)										
METALS (ug/L)										
Aluminum	110	<39	123	-	298	130	-	<24.7	-	-
Antimony	-	9.8	<7	-	<50.0	<50.0	-	<3.6	-	-
Arsenic	<2.0	<2	1	-	2.4	<2.5	-	<2.6	-	-
Barium	123	94	109	-	93.7	100	-	97.8	-	-
Beryllium	-	<4	<4	-	<4.0	<4.0	-	<0.01	-	-
Cadmium	-	<12	<5	-	<5.0	<5.0	-	<0.40	-	-
Calcium	45,800	46,400	53,900	-	50,200	50,400	-	47,900	-	-
Chromium	21	<6	<6	-	<10.0	<10.0	-	<5.6	-	-
Cobalt	-	<12	<11	-	<10.0	<10.0	-	<0.60	-	-
Copper	-	<7	<17	-	<5.0	<5.0	-	0.84	-	-
Iron	<86	<21	<237	-	209	6,560	-	1,520	-	-
Lead	<4.5	<2	<2	-	<1.5	<2.0	-	2.3	-	-
Magnesium	17,200	16,300	18,100	-	16,300	16,700	-	17,500	-	-
Manganese	-	<4	<7	-	2.9	6.3	-	4.8	-	-
Mercury	-	<0.12	<0.1	-	<0.10	<0.10	-	<0.10	-	-
Nickel	-	<11	<11	-	<15.0	<15.0	-	<1.3	-	-
Potassium	2,630	3,250	3,910	-	3,040	2,770	-	3,090	-	-
Selenium	-	<5	<20	-	<2.5	<2.5	-	<3.6	-	-
Silver	-	<1	<1	-	<5.0	<5.0	-	<4.6	-	-
Sodium	8,270	7,420	8,400	-	7,320	7,430	-	7,290	-	-
Thallium	-	<1	<2	-	<2.0	<2.0	-	<0.90	-	-
Vanadium	12	<15	<15	-	<10.0	<10.0	-	2.2	-	-
Zinc	173	<33	<68	-	7,320	1,560	-	1,250	-	-
RADIONUCLIDES (pCi/L)										
^{3}H	330	<280	<280	-	<200	<244	-	<347	225	<247
^{90}Sr	<2.6	<0.8	<2	-	-	-	-	-	-	-
^{137}Cs	<30	<30	<30	-	-	-	-	-	-	-
Gross Alpha	-	<3.0	-	-	-	-	-	-	-	-
Gross Beta	-	4.6	-	-	-	-	-	-	-	-
OTHER										
pH	-	-	-	-	-	-	-	-	-	-
Dissolved Oxygen (mg/L)	-	-	-	-	-	-	-	-	-	-
Orthophosphate	-	-	-	-	0.02	<0.010	-	<1.0	-	-
Alkalinity (mg/L)	139	142	136	-	297	141	-	121	-	-
Specific Conductance (mS/cm)	-	-	-	-	-	-	-	-	-	-
Total Dissolved Solids (mg/L)	-	-	-	-	-	-	-	269	-	-
Ammonia Nitrogen (mg/L)	-	-	-	-	-	-	-	0.028	0.01	-
Total Organic Carbon (mg/L)	-	-	-	-	-	-	-	<0.50	<0.40	-
Chemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	18	<14.0	-
Biochemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	-	-	-
Carbon Dioxide (mg/L)										
Oxidation Reduction Potential (mV)										
* Estimated using onsite field test kit analytical methods										

DATA SOURCE:	LMITCO	INEEL
ANALYTE\DATE	6/24/99	6/12/00
VOCs		
PCE (μg/L)	3	
TCE (μg/L)	44	
cis-1,2-DCE (μg/L)		
trans-1,2-DCE (μg/L)	<5	
total-1,2-DCE (μg/L)	<5	
vinyl chloride (μg/L)	<5	
Ethene (μg/L)	<2	
Ethane (μg/L)	<2	
Methane (μg/L)	<1	
Hydrogen Sulfide	-	
ANIONS		
Nitrate (mg/L)	0.7	
Nitrite (mg/L)		
Nitrate/Nitrite (mg/L)		
Sulfate (mg/L)	27.7	
Chloride (mg/L)	19.7	
Phosphate (mg/L)	<0.75	
METALS (ug/L)		
Aluminum	<15.6	
Antimony		
Arsenic		
Barium		
Beryllium		
Cadmium		
Calcium	53,200	
Chromium		
Cobalt		
Copper		
Iron	-	
Lead		
Magnesium	17,200	
Manganese		
Mercury		
Nickel		
Potassium	3,300	
Selenium		
Silver		
Sodium	7,650	
Thallium		
Vanadium		
Zinc		
RADIONUCLIDES (pCi/L)		1WS04101R8
^{3}H	<331	<266
^{90}Sr	-	
^{137}Cs		
Gross Alpha	-	
Gross Beta		
OTHER		
pH	7.37	7.69
Dissolved Oxygen (mg/L)	0	
Orthophosphate		
Alkalinity (mg/L)	134*	
Specific Conductance (mS/cm)	0.398	
Total Dissolved Solids (mg/L)	-	
Ammonia Nitrogen (mg/L)	0	
Total Organic Carbon (mg/L)		
Chemical Oxygen Demand (mg/L)	-	
Biochemical Oxygen Demand (mg/L)		
Carbon Dioxide (mg/L)	18.6*	
Oxidation Reduction Potential (mV)	350	
* Estimated using onsite field test kit analytical methods		

TAN 16

		DUP								
DATA SOURCE:	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	
ANALYTE\DATE	10/30/90	10/30/90	5/12/92	10/22/92	5/20/96	8/21/96	8/28/97	7/16/98	8/5/98	10/13/98
VOCs										
PCE (μg/L)	9	9	7	<10	8	6	7	8	8	8
TCE (μg/L)	41	40	42	<41	51	47	56	54	52	57
cis-1,2-DCE (μg/L)	-	-	<1	<10	2	<5	<2	<2	<2	2
trans-1,2-DCE (μg/L)	-	-	0.2	<10	<5	<5	<2	<2	<2	<2
total-1,2-DCE (μg/L)	<5	<5	-	-	-	-	-	-	-	-
vinyl chloride (μg/L)										
Ethene (μg/L)	-	-	-	-	-	<3	<1	-	-	-
Ethane (μg/L)	-	-	-	-	-	<3	<1	-	-	-
Methane (μg/L)	-	-	-	-	-	<2	1	-	-	-
Hydrogen Sulfide	-	-	-	-	-	<0.298	<0.05	-	-	-
ANIONS										
Nitrate (mg/L)	1.02	1.02	1.060	1.19	-	-	-	4.7	-	-
Nitrite (mg/L)	-	-	<0.005	<0.02	-	-	-	<0.2	-	-
Nitrate/Nitrite (mg/L)	-	-	-	-	-	0.01	1.17	-	-	-
Sulfate (mg/L)	28.0	26.0	32.2	30	-	31.5	27.5	33.1	-	-
Chloride (mg/L)	17.6	17.7	18.4	16.5	-	19.4	20.1	21.8	-	-
Phosphate (mg/L)										
METALS (ug/L)										
Aluminum	161	155	<39	53.7	-	67.4	114	<24.7	-	-
Antimony	-	-	<9	<7	-	<50.0	<50.0	<3.6	-	-
Arsenic	<2.0	<2.0	<2	1.5	-	<2.0	<2.5	<2.6	-	-
Barium	113	114	85	95	-	82.6	91.5	92.7	-	-
Beryllium	-	-	<4	<4.3	-	<4.0	<4.0	<0.10	-	-
Cadmium	-	-	<11	<7	-	<5.0	<5.0	<0.40	-	-
Calcium	48,000	47,200	47,800	54,900	-	50,100	52,600	51,700	-	-
Chromium	-	12	<6	<8.3	-	<10.0	<10.0	7.5	-	-
Cobalt	-	-	<12	<11	-	<10.0	<10.0	<0.60	-	-
Copper	28	-	<7	<17	-	<5.0	<5.0	0.92	-	-
Iron	<118	<82.0	215	<49.7	-	38.4	356	1,290	-	-
Lead	<3.8	<3.5	<1.5	<2	-	<1.5	6.8	111.3	-	-
Magnesium	16,000	16,300	15,000	16,600	-	14,600	15,400	16,400	-	-
Manganese	-	-	<4	<3	-	<2.5	<2.5	1.5	-	-
Mercury	0.10	-	<0.12	<0.1	-	<0.10	<0.20	<0.10	-	-
Nickel	-	-	<9	<11	-	<15.0	<15.0	<1.3	-	-
Potassium	2,510	2,400	3,050	3,220	-	2,790	2,580	2,900	-	-
Selenium	<2.0	-	<5	<2	-	<2.5	<2.5	<3.6	-	-
Silver	-	-	<1	<1	-	<5.0	<5.0	<4.6	-	-
Sodium	8,180	7,990	7,130	7,800	-	7,090	7,220	7,300	-	-
Thallium	-	-	<1	<2	-	<2.0	<2.0	<0.90	-	-
Vanadium	12	-	<15	<15	-	<10.0	<10.0	3	-	-
Zinc	117	105	<33	<28.3	-	15.9	1,030	2,470	-	-
RADIONUCLIDES (pCi/L)										
^{3}H	320	<260	410	<280	-	230	<220	<428	267	<450
^{90}Sr	<1.6	13.2	<0.8	<2	-	-	-	-	-	-
^{137}Cs	<30	<30	<30	<30	-	-	-	-	-	-
Gross Alpha	-	-	<3.4	-	-	-	-	-	-	-
Gross Beta	-	-	5.7	-	-	-	-	-	-	-
OTHER										
pH	-	-	-	-	-	-	-	-	-	-
Dissolved Oxygen (mg/L)	-	-	-	-	-	-	-	-	-	-
Orthophosphate	-	-	-	-	-	0.02	0.013	<1.0	-	-
Alkalinity (mg/L)	140	140	142	136	-	300	144	138	-	-
Specific Conductance (mS/cm)	-	-	-	-	-	-	-	-	-	-
Total Dissolved Solids (mg/L)	-	-	-	-	-	-	-	257	-	-
Ammonia Nitrogen (mg/L)	-	-	-	-	-	-	-	0.03	-	<0.01
Total Organic Carbon (mg/L)	-	-	-	-	-	-	-	0.53	-	<0.40
Chemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	9.6	-	<14.0
Biochemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	-	-	-
Carbon Dioxide (mg/L)										
Oxidation Reduction Potential (mV)										
* Estimated using onsite field test kit analytical methods										
U = Non-detect										
J = Estimated Value										

TAN 16

DATA SOURCE:	LMITCO	INEEL	INEEL	INEEL
ANALYTE\DATE	6/24/99	6/14/00	7/13/00	8/1/00
VOCs			1WS04401VA	1WS04501VA
PCE (μg/L)	3		10.23	5.146
TCE (μg/L)	44		47.33	34.96
cis-1,2-DCE (μg/L)			0.8816 J	1.085
trans-1,2-DCE (μg/L)	<5		1 U	0.4103 J
total-1,2-DCE (μg/L)	<5			
vinyl chloride (μg/L)	<5		4 U	4 U
Ethene (μg/L)	<2			
Ethane (μg/L)	<2			
Methane (μg/L)	<1			
Hydrogen Sulfide	-			
ANIONS				
Nitrate (mg/L)	0.5			
Nitrite (mg/L)				
Nitrate/Nitrite (mg/L)				
Sulfate (mg/L)	28.6			
Chloride (mg/L)	18.7			
Phosphate (mg/L)	<0.75			
METALS (ug/L)				
Aluminum	46			
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium	54,600			
Chromium				
Cobalt				
Copper				
Iron	-			
Lead				
Magnesium	15,800			
Manganese				
Mercury				
Nickel				
Potassium	2,830			
Selenium				
Silver				
Sodium	7,480			
Thallium				
Vanadium				
Zinc				
RADIONUCLIDES (pCi/L)		1WS04301R8	1WS04401R8	1WS04501R8
^{3}H	258+/-	<266	<271	<273
^{90}Sr	-			
^{137}Cs				
Gross Alpha	-			
Gross Beta				
OTHER				
pH	7.56	7.68	7.8	7.94
Dissolved Oxygen (mg/L)	0.28			
Orthophosphate				
Alkalinity (mg/L)	133*			
Specific Conductance (mS/cm)	0.4			
Total Dissolved Solids (mg/L)	-			
Ammonia Nitrogen (mg/L)	0			
Total Organic Carbon (mg/L)				
Chemical Oxygen Demand (mg/L)	-			
Biochemical Oxygen Demand (mg/L)				
Carbon Dioxide (mg/L)	22.9*			
Oxidation Reduction Potential (mV)	351			
* Estimated using onsite field test kit analytical methods				
U = Non-detect				
J = Estimated Value				

TAN 17

DATA SOURCE:	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO
ANALYTE\DATE	11/29/90	5/19/92	11/2/92	2/6/97	6/18/97	6/15/99
VOCs						
PCE (μg/L)	<5	<1	<1	<5	<5	<5
TCE (μg/L)	<5	<1	<1	<5	7	<5
cis-1,2-DCE (μg/L)	-	<1	<1	<5	<2	<5
trans-1,2-DCE (μg/L)	-	<1	<1	<5	<2	<5
total-1,2-DCE (μg/L)	<5	-	-	-	-	
vinyl chloride (μg/L)						<5
Ethene (μg/L)	-	-	-	-	<12	<2
Ethane (μg/L)	-	-	-	-	<12	<2
Methane (μg/L)	-	-	-	-	1	<1
Hydrogen Sulfide	-	-	-	-	<1	-
ANIONS						
Nitrate (mg/L)	0.486	0.500	0.63	-	-	0.6
Nitrite (mg/L)	-	<0.02	<0.02	-	-	
Nitrate/Nitrite (mg/L)	-	-	-	-	0.631	
Sulfate (mg/L)	15.0	16.9	15.9	-	18.8	15.5
Chloride (mg/L)	4.94	4.5	4.26	-	4.8	4.6
Phosphate (mg/L)						<0.75
METALS (ug/L)						
Aluminum	14,800	944	2,180	-	1,450	213
Antimony	<4.0	<9	<11.3	-	<50.0	
Arsenic	4.2	2	<1	-	<2.5	
Barium	200	61	77	-	58.6	
Beryllium	1.0	<4	<4	-	<4.0	
Cadmium	-	<4	<5	-	<5.0	
Calcium	70,000	37,600	40,800	-	31,700	33,900
Chromium	45	331	388	-	16.5	
Cobalt	-	<12	<11	-	<10.0	
Copper	146	<19	<17	-	6.4	
Iron	7,290	1,660	2,360	-	721	-
Lead	17.7	5.2	<1	-	3.9	
Magnesium	12,700	7,920	9,730	-	8,910	9,410
Manganese	95	33	47.7	-	9.1	
Mercury	-	<0.1	<0.1	-	<0.10	
Nickel	69	145	158	-	<15.0	
Potassium	5,740	3,460	3,580	-	3,160	1,780
Selenium	<10.0	<5	<2	-	<2.5	
Silver	1.2	<1	<1	-	<50.0	
Sodium	15,600	7,530	7,270	-	6,520	6,670
Thallium	3.1	<1	<2	-	<2.0	
Vanadium	-	<15	<24	-	<10.0	
Zinc	536	<86	44.3	-	135	
RADIONUCLIDES (pCi/L)						
^{3}H	<300	<280	<280	-	<216	<338
^{90}Sr	20	<0.2	-	-	-	-
^{137}Cs	<30	<30	<30	-	-	
Gross Alpha	-	<2.0	-	-	-	-
Gross Beta	-	5.2	-	-	-	
OTHER						
pH	-	-	-	-	-	8.06
Dissolved Oxygen (mg/L)	-	-	-	-	-	9.2
Orthophosphate	-	-	-	-	-	
Alkalinity (mg/L)	120	90	101	-	104	107*
Specific Conductance (mS/cm)	-	-	-	-	-	0.229
Total Dissolved Solids (mg/L)	-	-	-	-	-	-
Ammonia Nitrogen (mg/L)	-	-	-	-	-	1*
Total Organic Carbon (mg/L)	-	-	-	-	-	
Chemical Oxygen Demand (mg/L)	-	-	-	-	-	-
Biochemical Oxygen Demand (mg/L)	-	-	-	-	-	
Carbon Dioxide (mg/L)						<20*
Oxidation Reduction Potential (mV)						306
* Estimated using onsite field test kit analytical methods						

TAN 18

		DUP				DUP				
DATA SOURCE:	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO
ANALYTE\DATE	11/4/92	11/4/92	3/23/94	6/30/94	10/18/94	10/18/94	4/4/96	8/14/96	7/1/97	6/23/99
VOCs										
PCE (μg/L)	0.4	0.4	0.2	<1	0.3	-	-	<5	<5	<5
TCE (μg/L)	1	1	0.6	1	2	-	-	<5	<5	<5
cis-1,2-DCE (μg/L)	<1	<1	<1	<1	<1	-	-	<5	<2	<5
trans-1,2-DCE (μg/L)	<1	<1	<1	<1	<1	-	-	<5	<2	<5
total-1,2-DCE (μg/L)	-	-	-	-	-	-	-	-	-	
vinyl chloride (μg/L)										<5
Ethene (μg/L)	-	-	-	-	-	-	-	<3	<12	<2
Ethane (μg/L)	-	-	-	-	-	-	-	<3	<12	<2
Methane (μg/L)	-	-	-	-	-	-	-	0.04	<7	<1
Hydrogen Sulfide	-	-	-	-	-	-	-	<0.298	<0.8	-
ANIONS										
Nitrate (mg/L)	0.614	-	-	-	-	-	-	-	-	3.2
Nitrite (mg/L)	<0.02	-	-	-	-	-	-	-	-	
Nitrate/Nitrite (mg/L)	-	-	-	-	-	-	-	0.74	1.87	
Sulfate (mg/L)	35.6	-	-	-	-	-	-	29.1	36.2	26.2
Chloride (mg/L)	9.86	-	-	-	-	-	-	11.3	20.1	11.9
Phosphate (mg/L)										<0.75
METALS (ug/L)										
Aluminum	<33	<33	-	-	-	-	-	<50.0	<50.0	<15.6
Antimony	<7	<7	-	-	-	-	-	<50.0	<50.0	
Arsenic	<2	<2	-	-	-	-	-	<2.0	<2.5	
Barium	49	51.7	40	46.1	42.4	-	-	42.1	49.3	
Beryllium	<4	<4	-	-	-	-	-	<4.0	<4.0	
Cadmium	<5	5	-	-	-	-	-	<5.0	<5.0	
Calcium	37,900	37,500	-	-	-	-	-	42,100	42,000	44,700
Chromium	<6	<6.3	-	-	-	-	-	<10.0	<10.0	
Cobalt	<11	<11	-	-	-	-	-	<10.0	<10.0	
Copper	<17	<17	<5.0	<8.0	<12.0	-	-	<5.0	<5.0	
Iron	<24	<14	-	-	-	-	-	27.8	<10.0	-
Lead	<2	<2	<1.0	2.4	<1.0	-	-	<1.5	5.2	
Magnesium	14,900	14,600	-	-	-	-	-	15,900	16,100	16,600
Manganese	<3	<3.7	-	-	-	-	-	<2.5	<2.5	
Mercury	<0.1	<0.1	<0.10	<0.10	<0.10	-	-	<0.10	<0.10	
Nickel	<11	<11	-	-	-	-	-	<15.0	<15.0	
Potassium	4,720	4,790	-	-	-	-	-	2,330	2,190	2,040
Selenium	<2	<2	-	-	-	-	-	<2.5	3.3	
Silver	<1	<1	-	-	-	-	-	<5.0	<5.0	
Sodium	9,210	9,110	-	-	-	-	-	8,340	8,250	8,540
Thallium	<2	<2	-	-	-	-	-	<2.0	<2.0	
Vanadium	<24.7	<15	-	-	-	-	-	<10.0	<10.0	
Zinc	<29	<46	<6.0	20	<12.0	-	-	15.4	576	
RADIONUCLIDES (pCi/L)										
^{3}H	<280	<280	<200	<400	<180	-	<400	<380	<212	<331
^{90}Sr	<0.6	<0.6	<6 / <2	<4 / <2	<2	<4	-	-	-	<0.706
^{137}Cs	<30	<30	<30	<30	<30	-	<30	-	-	
Gross Alpha	<4.4	<4.4	-	-	-	-	<3.4	-		-
Gross Beta	7.8	12	-	-	-	-	14	-		
OTHER										
pH	-	-	7.20	7.54	-	-	-	-	-	7.57
Dissolved Oxygen (mg/L)	-	-	-	-	-	-	-	-	-	5.28
Orthophosphate	-	-	-	-	-	-	-	0.02	<0.01	
Alkalinity (mg/L)	124	-	-	-	-	-	142	283	138	137*
Specific Conductance (mS/cm)	-	-	329	371	-	-	385	-	-	0.349
Total Dissolved Solids (mg/L)	-	-	-	-	-	-	-	-	-	-
Ammonia Nitrogen (mg/L)	-	-	-	-	-	-	-	-	-	0
Total Organic Carbon (mg/L)	-	-	-	-	-	-	-	-	-	
Chemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	-	-	-
Biochemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	-	-	
Carbon Dioxide (mg/L)										23*
Oxidation Reduction Potential (mV)										377

* Estimated using onsite field test kit analytical methods

TAN 19

		DUP				DUP		DUP		DUP
DATA SOURCE:	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO
ANALYTE\DATE	10/15/92	10/15/92	3/23/94	6/30/94	10/18/94	10/18/94	2/14/96	2/14/96	8/14/96	8/14/96
VOCs										
PCE (μg/L)	10	13	5	8	15	-	7	-	9	9
TCE (μg/L)	83	94	31	49	88	-	25	-	68	69
cis-1,2-DCE (μg/L)	<10	<10	0.9	1	2	-	<5	-	-	-
trans-1,2-DCE (μg/L)	<10	<10	<1	<2	<5	-	<5	-	-	-
total-1,2-DCE (μg/L)	-	-	-	-	-	-	-	-	2	2
vinyl chloride (μg/L)										
Ethene (μg/L)	-	-	-	-	-	-	-	-	<3	<3
Ethane (μg/L)	-	-	-	-	-	-	-	-	<3	<3
Methane (μg/L)	-	-	-	-	-	-	-	-	<2	<2
Hydrogen Sulfide	-	-	-	-	-	-	-	-	<0.298	<0.298
ANIONS										
Nitrate (mg/L)	0.590	-	-	-	-	-	-	-	-	-
Nitrite (mg/L)	<0.02	-	-	-	-	-	-	-	-	-
Nitrate/Nitrite (mg/L)	-	-	-	-	-	-	-	-	0.72	0.60
Sulfate (mg/L)	27.1	-	-	-	-	-	-	-	23.2	23.5
Chloride (mg/L)	13.1	-	-	-	-	-	-	-	11.3	11.6
Phosphate (mg/L)										
METALS (ug/L)										
Aluminum	48	53.3	-	-	-	-	-	-	52.2	<50.0
Antimony	<7	10.1	-	-	-	-	-	-	<50.0	<50.0
Arsenic	<1	<1	-	-	-	-	-	-	<2.0	<2.0
Barium	55.3	55.7	41	25.5	20.8	-	-	-	22.2	21.7
Beryllium	<4	<4	-	-	-	-	-	-	<4.0	<4.0
Cadmium	<7.3	<6.7	-	-	-	-	-	-	<5.0	<5.0
Calcium	54,000	53,800	-	-	-	-	-	-	32,300	31,600
Chromium	<10.7	<12.7	-	-	-	-	-	-	<10.0	<10.0
Cobalt	<11	<11	-	-	-	-	-	-	<10.0	<10.0
Copper	<17	<17	<5.0	<8.0	<12.0	-	-	-	<5.0	<5.0
Iron	<34	<58.7	-	-	-	-	-	-	328	258
Lead	<2	<2	<1.0	20.4	2.0	-	-	-	<1.5	<1.5
Magnesium	8,490	8,780	-	-	-	-	-	-	10,100	9,870
Manganese	<3	<3	-	-	-	-	-	-	3.1	2.6
Mercury	<0.1	<0.1	<0.10	<0.10	<0.10	-	-	-	<0.10	<0.10
Nickel	<11	<11	-	-	-	-	-	-	<15.0	<15.0
Potassium	7,680	7,390	-	-	-	-	-	-	3,660	3,610
Selenium	<2	<2	-	-	-	-	-	-	<2.5	<2.5
Silver	<1	<1	-	-	-	-	-	-	<5.0	<5.0
Sodium	9,850	10,000	-	-	-	-	-	-	8,380	8,270
Thallium	<2	<2	-	-	-	-	-	-	<2.0	<2.0
Vanadium	22.3	<15	-	-	-	-	-	-	<10.0	<10.0
Zinc	<15	<22.3	<6.0	<6.0	<12.0	-	-	-	23.7	14.4
RADIONUCLIDES (pCi/L)										
^{3}H	980	1,110	500	<600	<400	-	<600	-	510	450
^{90}Sr	<1.6	-	<2 / <2	<2 / <2	<2	<2	-	-	-	-
^{137}Cs	<30	<30	<30	<30	<30	-	<30	-	-	-
Gross Alpha	18	<4.6	-	-	-	-	<0.34	<1.0	-	-
Gross Beta	690	17	-	-	-	-	15	10	-	-
OTHER										
pH	-	-	9.14	9.37	-	-	-	-	-	-
Dissolved Oxygen (mg/L)	-	-	-	-	-	-	-	-	-	-
Orthophosphate	-	-	-	-	-	-	-	-	0.01	0.01
Alkalinity (mg/L)	50	-	-	-	-	-	-	290	171	171
Specific Conductance (mS/cm)	-	-	247	278	-	-	-	215		-
Total Dissolved Solids (mg/L)	-	-	-	-	-	-	-	-	-	-
Ammonia Nitrogen (mg/L)	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon (mg/L)	-	-	-	-	-	-	-	-	-	-
Chemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	-	-	-
Biochemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	-	-	-
Carbon Dioxide (mg/L)										
Oxidation Reduction Potential (mV)										

* Estimated using onsite field test kit analytical methods

DATA SOURCE:	LMITCO	LMITCO
ANALYTE\DATE	7/1/97	6/23/99
VOCs		
PCE (μg/L)	15	5
TCE (μg/L)	66	62
cis-1,2-DCE (μg/L)	<2	<5
trans-1,2-DCE (μg/L)	<2	<5
total-1,2-DCE (μg/L)	-	
vinyl chloride (μg/L)		<5
Ethene (μg/L)	<12	<2
Ethane (μg/L)	<12	<2
Methane (μg/L)	<7	<1
Hydrogen Sulfide	<0.8	-
ANIONS		
Nitrate (mg/L)	-	2.3
Nitrite (mg/L)	-	
Nitrate/Nitrite (mg/L)	0.56	
Sulfate (mg/L)	36.7	20.6
Chloride (mg/L)	10.8	10.8
Phosphate (mg/L)		<0.75
METALS (ug/L)		
Aluminum	868	107
Antimony	<50.0	
Arsenic	<2.5	
Barium	30.0	
Beryllium	<4.0	
Cadmium	<5.0	
Calcium	36,200	35,200
Chromium	<10.0	
Cobalt	<10.0	
Copper	<5.0	
Iron	827	-
Lead	6.5	
Magnesium	8,690	9,780
Manganese	12.9	
Mercury	<0.10	
Nickel	<15.0	
Potassium	3,890	2,570
Selenium	<2.5	
Silver	<5.0	
Sodium	8,580	9,230
Thallium	<2.0	
Vanadium	<10.0	
Zinc	5,800	
RADIONUCLIDES (pCi/L)		
^{3}H	2,950	440+/-108
^{90}Sr	-	<0.690
^{137}Cs	-	
Gross Alpha		-
Gross Beta		
OTHER		
pH	-	8.76
Dissolved Oxygen (mg/L)	-	0
Orthophosphate	0.01	
Alkalinity (mg/L)	114	88*
Specific Conductance (mS/cm)		0.228
Total Dissolved Solids (mg/L)	-	-
Ammonia Nitrogen (mg/L)	-	0
Total Organic Carbon (mg/L)	-	
Chemical Oxygen Demand (mg/L)	-	-
Biochemical Oxygen Demand (mg/L)	-	
Carbon Dioxide (mg/L)		<20*
Oxidation Reduction Potential (mV)		-81

* Estimated using onsite field test kit analytical methods

TAN 20

		DUP				DUP		
DATA SOURCE:	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO
ANALYTE\DATE	11/4/92	11/4/92	4/3/96	5/14/96	9/10/96	9/10/96	7/7/97	7/7/99
VOCs								
PCE (μg/L)	2	2	2	2	1	-	<5	
TCE (μg/L)	4	4	7	8	4	-	<5	<5
cis-1,2-DCE (μg/L)	<1	<1	<5	<5	<5	-	<2	<5
trans-1,2-DCE (μg/L)	<1	<1	<5	<5	<5	-	<2	<5
total-1,2-DCE (μg/L)	-	-	-	-	-	-	-	
vinyl chloride (μg/L)								<5
Ethene (μg/L)	-	-	-	-	<3	-	<12	<2
Ethane (μg/L)	-	-	-	-	<3	-	<12	<2
Methane (μg/L)	-	-	-	-	0.04	-	<7	<1
Hydrogen Sulfide	-	-	-	-	<0.298	-	<0.050	-
ANIONS								
Nitrate (mg/L)	0.755	0.739	-	-	-	-	-	0.5
Nitrite (mg/L)	<0.02	<0.02	-	-	-	-	-	
Nitrate/Nitrite (mg/L)	-	-	-	-	0.77	-	0.146	
Sulfate (mg/L)	16.7	16.8	-	-	16.0	-	20.0	15.4
Chloride (mg/L)	4.9	4.9	-	-	5.6	-	6.3	6.3
Phosphate (mg/L)								<0.75
METALS (ug/L)								
Aluminum	<72	<63.3	39.6	40.3	<50.0	<50.0	<50.0	<15.8
Antimony	<7	<7	<2.9	2.9	<50.0	<50.0	<50.0	
Arsenic	2.4	2	3.9	3.1	3.3	4.1	2.5	
Barium	90.7	86.7	96.4	83.3	79.1	77.4	80.2	
Beryllium	<4	<4	1.3	<0.40	<4.0	<4.0	<4.0	
Cadmium	6	<5	0.49	<0.40	<5.0	<5.0	<5.0	
Calcium	43,800	41,600	48,600	41,200	40,100	39,500	40,400	42,700
Chromium	<11	<6	8.2	18.9	<10.0	<10.0	<10.0	
Cobalt	<11	<11	<0.90	<0.90	<10.0	<10.0	<10.0	
Copper	<17	<17	9.4	23.1	<5.0	<5.0	<5.0	
Iron	<92.7	<70	40.6	112	53.9	42.4	72.3	
Lead	<2	<2	2.9	<2.3	<1.5	<1.5	8.0	
Magnesium	12,400	11,700	13,100	12,100	11,400	11,200	11,700	12,100
Manganese	<3.3	<3	<1.3	2.0	<2.5	<2.5	<2.5	
Mercury	<0.1	<0.1	<0.10	<0.10	<0.10	<0.10	<0.10	
Nickel	<11	<11	<1.8	8.3	<15.0	<15.0	<15.0	
Potassium	2,950	2,890	2,410	2,320	2,160	2,060	2,350	1,670
Selenium	<2	<2	3.3	4.4	<2.5	<2.5	<2.5	
Silver	<1	<1	<1.0	<1.0	<5.0	<5.0	<5.0	
Sodium	<7,050	<6,690	6,810	6,190	6,090	6,030	6,290	6,790
Thallium	<2	<2	<3.6	<3.6	<2.0	<2.0	<2.0	
Vanadium	<15	<15	5.1	4.1	<10.0	<10.0	<10.0	
Zinc	<31	<30.7	113	33.6	16.0	18.4	756	
RADIONUCLIDES (pCi/L)								
^{3}H	<280	<260	<306	<298	<198	<200	<214	<257
^{90}Sr	<0.4	<0.4	-	-	-	-	-	<0.657
^{137}Cs	<30	<30	-	-	-	-	-	
Gross Alpha	<2	<1.8	-	-	-	-		-
Gross Beta	4	3.8	-	-	-	-		
^{60}Co								
OTHER								
pH	-	-	-	-	-	-	-	8.04
Dissolved Oxygen (mg/L)	-	-	-	-	-	-	-	6.67
Orthophosphate	-	-	-	-	0.04	-	0.02	
Alkalinity (mg/L)	136	138	-	-	282	-	134	124
Specific Conductance (mS/cm)	-	-	-	-	-	-	-	0.295
Total Dissolved Solids (mg/L)	-	-	-	-	-	-	-	213
Ammonia Nitrogen (mg/L)	-	-	-	-	-	-	-	0
Total Organic Carbon (mg/L)	-	-	-	-	-	-	-	
Chemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	-
Biochemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	
Carbon Dioxide (mg/L)								38.7
Oxidation Reduction Potential (mV)								82
* Estimated using onsite field test kit analytical methods								