		DUP						
DATA SOURCE:	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO
ANALYTE\DATE	10/26/92	10/26/92	11/27/95	3/26/96	5/13/96	9/9/96	10/7/97	7/7/99
VOCs								
PCE (μg/L)	6	6	-	4	4	3	<5	<5
TCE (μg/L)	19	19	-	13	12	12	9	2
cis-1,2-DCE (μg/L)	0.2	0.2	-	<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	<1	<2
Ethane (μg/L)	-	-	-	-	-	<3	<1	<2
Methane (μg/L)	-	-	-	-	-	0.03	<1	<1
Hydrogen Sulfide	-	-	-	-	-	<0.298	0.153	-
ANIONS								
Nitrate (mg/L)	0.878	0.896	-	-	-	-	-	0
Nitrite (mg/L)	<0.02	<0.02	-	-	-	-	-	
Nitrate/Nitrite (mg/L)	-	-	-	-	-	0.75	0.767	
Sulfate (mg/L)	20.1	26.8	-	-	-	24.4	27.7	22.3
Chloride (mg/L)	4.55	8.1	-	-	-	7.4	8.7	7.1
Phosphate (mg/L)								<0.75
METALS (ug/L)								
Aluminum	2,220	2,210	-	1,140	392	5,660	4,770	2,560
Antimony	<7	<7	-	<29.6	<2.9	<50.0	<50.0	
Arsenic	2.4	2.5	-	1.3	3.2	4.9	7.8	
Barium	54.3	54,3	-	77.3	74.0	64.6	126	
Beryllium	<4	<4	-	0.33	0.56	<4.0	<4.0	
Cadmium	<9	<7.3	-	<3.5	0.71	<5.0	<5.0	
Calcium	36,000	35,000	-	29,600	30,100	26,800	34,100	30,300
Chromium	<11	<7.7	-	15.2	15.5	<10.0	<10.0	
Cobalt	<11	<11	-	<4.5	<0.90	<10.0	<10.0	
Copper	<17	<17	-	7.5	5.0	<5.0	<5.0	
Iron	621	601	-	789	760	1,590	2,370	-
Lead	<2	<2	-	5.8	3.6	2.0	40.2	
Magnesium	9,970	9,770	-	6,890	7,260	6,110	8,410	6,200
Manganese	<3	<3	-	12.8	6.6	5.2	27.0	
Mercury	<0.1	<0.1	-	<0.10	<0.10	<0.10	<0.20	
Nickel	M 11	<11	-	<10.4	22.4	<15.0	<15.0	
Potassium	4,200	4,100	-	3,810	3,520	3,270	3,610	2,570
Selenium	<2	<2	-	<1.9	<2.8	<2.5	<2.5	
Silver	<2	<1	-	<5.3	<1.0	<5.0	<5.0	
Sodium	11,500	11,200	-	15,700	11,000	10,300	28,900	11,700
Thallium	<2	<2	-	<1.3	<3.6	<2.0	<2.0	
Vanadium	<15	15	-	6.8	6.0	<10.0	<10.0	
Zinc	<36.3	<18.7	-	86.3	41.0	45.8	3340	
RADIONUCLIDES (pCi/L)								
^{3}H	440	340	<200	601	<290	<200	<202	<257
^{90}Sr	-	-	-	-	-	-	-	-
^{137}Cs	<30	<30	<30	-	-	-	-	
Gross Alpha	8.3	<5.2	19	-	-	-	-	-
Gross Beta	24	10	24	-	-	-	-	
OTHER								
pH	-	-	-	-	-	-	-	8.98
Dissolved Oxygen (mg/L)	-	-	-	-	-	-	-	3.12
Orthophosphate	-	-	-	-	-	0.02	0.017	
Alkalinity (mg/L)	78	80	83	-	-	148	108	85*
Specific Conductance (mS/cm)	-	-	297	-	-	-	-	0.206
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)								<10*
Oxidation Reduction Potential (mV)								69

* Estimated using onsite field test kit analytical methods

TAN 22A

		DUP					
DATA SOURCE:	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO
ANALYTE\DATE	11/3/92	11/3/92	11/20/95	3/19/96	8/20/96	9/3/97	7/12/99
VOCs							
PCE (μg/L)	0.2	<1	-	<5	<5	<5	<5
TCE (μg/L)	0.6	0.5	-	<5	2	<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)	-	-	-	-	-	-	
vinyl chloride (μg/L)							<5
Ethene (μg/L)	-	-	-	-	<3	<1	<2
Ethane (μg/L)	-	-	-	-	<3	<1	<2
Methane (μg/L)	-	-	-	-	<2	0.91	1.2
Hydrogen Sulfide	-	-	-	-	<0.298	<0.05	-
ANIONS							
Nitrate (mg/L)	0.676	-	-	-	-	-	0.6
Nitrite (mg/L)	<0.02	-	-	-	-	-	
Nitrate/Nitrite (mg/L)	-	-	-	-	0.74	0.725	
Sulfate (mg/L)	30.9	-	-	-	24.5	23.9	23.8
Chloride (mg/L)	48.8	-	-	-	10.0	10.6	10.9
Phosphate (mg/L)							<0.75
METALS (ug/L)							
Aluminum	<90.3	<33	-	-	<50.0	<50.0	86
Antimony	<7	<7	-	-	<50.0	<50.0	
Arsenic	<2	2.1	-	-	2.4	3.0	
Barium	46.3	47	-	-	38.8	44.8	
Beryllium	<4	<4	-	-	<4.0	<4.0	
Cadmium	<5	<5	-	-	<5.0	<5.0	
Calcium	35,500	36,400	-	-	34,700	34,900	37,600
Chromium	<6	<6	-	-	<10.0	<10.0	
Cobalt	<11	<11	-	-	<10.0	<10.0	
Copper	<17	<17	-	-	<5.0	<5.0	
Iron	<38.7	<17.3	-	-	<10.0	94.1	-
Lead	<2	<2	-	-	<1.5	5.4	
Magnesium	13,300	13,600	-	-	12,800	13,000	13,700
Manganese	<5	<3	-	-	<2.5	<2.5	
Mercury	<0.1	<0.1	-	-	<0.10	<0.10	
Nickel	<11	<11	-	-	<15.0	<15.0	
Potassium	4,000	4,070	-	-	3,290	2,850	2,630
Selenium	<10	<2	-	-	<2.5	<1.5	
Silver	<1	<1	-	-	<5.0	<5.0	
Sodium	15,000	15,000	-	-	14,000	13,900	15,000
Thallium	<2	<2	-	-	<2.0	2.7	
Vanadium	<15	<17.3	-	-	<10.0	<10.0	
Zinc	134	133	-	-	6.2	516	
RADIONUCLIDES (pCi/L)							
^{3}H	<280	<280	<180	-	<200	<210	<257
^{90}Sr	<0.8	<0.8	-	-	-	-	-
^{137}Cs	<30	<30	<30	-	-	-	
Gross Alpha	<4.6	<4.4	<4.0	-	-	-	-
Gross Beta	<5.0	6.8	<6.0	-	-	-	
OTHER							
pH	-	-	-	-	-	-	8.03
Dissolved Oxygen (mg/L)	-	-	-	-	-	-	3.27
Orthophosphate	-	-	-	-	0.01	<0.010	
Alkalinity (mg/L)	130	-	134	-	268	144	126*
Specific Conductance (mS/cm)	-	-	372	-	-	-	0.323
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)							30.2*
Oxidation Reduction Potential (mV)							339
* Estimated using onsite field test kit analytical methods							

TAN 23A

		DUP				
DATA SOURCE:	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO
ANALYTE\DATE	10/22/92	10/22/92	11/20/95	5/30/96	8/21/96	6/24/99
VOCs						
PCE (μg/L)	10	13	-	20	18	14
TCE (μg/L)	72	82	-	150	140	130
cis-1,2-DCE (μg/L)	1	1	-	<5	-	<5
trans-1,2-DCE (μg/L)	<2	<5	-	<5	-	<5
total-1,2-DCE (μg/L)	-	-	-	-	3	
vinyl chloride (μg/L)						<5
Ethene (μg/L)	-	-	-	-	<3	<2
Ethane (μg/L)	-	-	-	-	<3	<2
Methane (μg/L)	-	-	-	-	<2	<1
Hydrogen Sulfide	-	-	-	-	<0.298	-
ANIONS						
Nitrate (mg/L)	1.07	-	-	-	-	0.9
Nitrite (mg/L)	<0.020	-	-	-	-	
Nitrate/Nitrite (mg/L)	-	-	-	-	1.5	
Sulfate (mg/L)	49.1	-	-	-	35.8	30.9
Chloride (mg/L)	20.7	-	-	-	26.9	29.4
Phosphate (mg/L)						<0.75
METALS (ug/L)						
Aluminum	244	215	-	-	194	<15.6
Antimony	<7	<7	-	-	<50.0	
Arsenic	<1	<1	-	-	<2.0	
Barium	122	125	-	-	58.1	
Beryllium	<4	<4	-	-	<4.0	
Cadmium	<7.3	<5	-	-	<5.0	
Calcium	103,000	109,000	-	-	43,500	87,900
Chromium	<33.7	<31	-	-	11.8	
Cobalt	<11	<11	-	-	<10.0	
Copper	<17	<17	-	-	<5.0	
Iron	<24.3	<32.3	-	-	99.7	-
Lead	<2	<2	-	-	<1.5	
Magnesium	3,990	3,990	-	-	9,580	25,100
Manganese	<3	<3	-	-	<2.5	
Mercury	<0.1	<0.1	-	-	-	
Nickel	<11	<11	-	-	<15.0	
Potassium	5,230	5,320	-	-	3,470	4,240
Selenium	<2	2.1	-	-	<2.5	
Silver	<1	<1	-	-	<5.0	
Sodium	10,300	10,500	-	-	7,870	49,600
Thallium	<2	<2	-	-	<2.0	
Vanadium	<15	20.7	-	-	<10.0	
Zinc	<101	<21.3	-	-	58.9	
RADIONUCLIDES (pCi/L)						
^{3}H	760	950	600	-	920	588+/-113
^{90}Sr	2.4	<1.2	-	-	-	-
^{137}Cs	<30	<30	<30	-	-	
Gross Alpha	<3.8	<5.4	<2.2	-	-	-
Gross Beta	8.5	15	5.0	-	-	
OTHER						
pH	-	-	-	-	-	8.5
Dissolved Oxygen (mg/L)	-	-	-	-	-	5.68
Orthophosphate	-	-	-	-	0.01	
Alkalinity (mg/L)	160	-	26	-	120	86*
Specific Conductance (mS/cm)	-	-	271	-	-	0.333
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)						10.5*
Oxidation Reduction Potential (mV)						273
* Estimated using onsite field test kit analytical methods						

TAN 24A

		DUP								
DATA SOURCE:	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO
ANALYTE\DATE	11/5/92	11/5/92	3/20/96	5/20/96	8/19/96	8/25/97	7/14/98	8/4/98	10/12/98	6/30/99
VOCs										
PCE (μg/L)	0.3	0.3	<5	2	<5	<5	<5	<5	<5	<5
TCE (μg/L)	0.9	0.7	2	8	1	<5	<5	<5	<5	3
cis-1,2-DCE (μg/L)	<1	<1	<5	<5	<5	<2	<2	<2	<2	<5
trans-1,2-DCE (μg/L)	<1	<1	<5	<5	<5	<2	<2	<2	<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)	-	-	-	-	<2	<1	-	-	-	<1
Hydrogen Sulfide	-	-	-	-	<0.298	<0.05	-	-	-	-
ANIONS										
Nitrate (mg/L)	0.536	-	-	-	-	-	2.6	-	-	0.7
Nitrite (mg/L)	<0.020	-	-	-	-	-	<0.2	-	-	
Nitrate/Nitrite (mg/L)	-	-	-	-	0.84	0.805	-	-	-	
Sulfate (mg/L)	33.3	-	-	-	26.7	24.6	24.9	-	-	24.2
Chloride (mg/L)	10.1	-	-	-	9.0	10.2	9.4	-	-	9.2
Phosphate (mg/L)										<0.75
METALS (ug/L)										
Aluminum	<60.7	<59.3	70.6	54.4	108	<50.0	<24.7	-	-	95.5
Antimony	<7	<7	<43.5	<2.9	<50.0	<50.0	<3.6	-	-	
Arsenic	<2	<2	2.8	4.0	2.1	<2.5	3.3	-	-	
Barium	97	94.7	93.5	96.3	83.1	87.0	90.2	-	-	
Beryllium	<4	<4	<0.10	<0.40	<4.0	<4.0	<0.10	-	-	
Cadmium	<5	8	<2.7	0.79	<5.0	<5.0	<0.40	-	-	
Calcium	58,700	57,000	37,800	37,500	35,700	36,300	35,700	-	-	37,500
Chromium	<9.7	<9	6.7	5.5	<10.0	<10.0	<5.6	-	-	
Cobalt	<11	<11	<5.0	<0.90	<10.0	<10.0	<0.60	-	-	
Copper	<17	<17	<6.7	4.3	<5.0	<5.0	<0.80	-	-	
Iron	<176	<32.3	79.4	161	352	98.6	1030	-	-	-
Lead	<2	<2	<0.70	<2.3	<1.5	11.5	10.3	-	-	
Magnesium	7,040	7,370	14,100	15,000	12,800	14,000	14,900	-	-	14,400
Manganese	<4.3	<3.5	2.3	2.3	6.5	3.7	11	-	-	
Mercury	<0.1	<0.1	<0.10	<0.10	<0.10	<0.20	<0.10	-	-	
Nickel	<11	<11	<7.9	<1.8	<15.0	<15.0	<1.3	-	-	
Potassium	6,450	6,430	4,200	3,870	3,640	3,250	3,660	-	-	2,670
Selenium	<10	<10	<0.90	<2.8	<2.5	2.6	<3.6	-	-	
Silver	<1	<1	<8.6	<1.0	<5.0	<5.0	<4.6	-	-	
Sodium	12,900	12,900	11,600	11,400	10,600	10,800	10,900	-	-	11,500
Thallium	<2	<2	<0.90	<3.6	<2.0	<2.0	<0.90	-	-	
Vanadium	<15	<15	6.2	4.8	<10.0	<10.0	4.4	-	-	
Zinc	<66.7	<48.3	58.4	65.1	79.2	1,150	1,040	-	-	
RADIONUCLIDES (pCi/L)										
^{3}H	<260	<260	<292	<296	<198	<212	<329	<242	<496	<257
^{90}Sr	<0.4	<0.4	-	-	-	-	-	-	-	-
^{137}Cs	<30	<30	-	-	-	-	-	-	-	
Gross Alpha	4.4	<2.4	-	-	-	-	-	-	-	-
Gross Beta	6.5	5.6	-	-	-	-	-	-	-	
OTHER										
pH	-	-	-	-	-	-	-	-	-	7.93
Dissolved Oxygen (mg/L)	-	-	-	-	-	-	-	-	-	7.94
Orthophosphate	-	-	-	-	0.01	<0.010	<1.0	-	-	
Alkalinity (mg/L)	44	-	-	-	258	128	123	-	-	123*
Specific Conductance (mS/cm)	-	-	-	-	-	-	-	-	-	0.32
Total Dissolved Solids (mg/L)	-	-	-	-	-	-	220	-	-	-
Ammonia Nitrogen (mg/L)	-	-	-	-	-	-	0.028	-	<0.01	1*
Total Organic Carbon (mg/L)	-	-	-	-	-	-	3.2	-	0.58	
Chemical Oxygen Demand (mg/L)	-	-	-	-	-	-	<5.0	-	<14.0	-
Biochemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	-	-	
Carbon Dioxide (mg/L)										23.9*
Oxidation Reduction Potential (mV)										319

* Estimated using onsite field test kit analytical methods

U = Non-detect

J = Estimated Value

TAN 24A

DATA SOURCE:	INEEL	INEEL	INEEL
ANALYTE\DATE	6/12/00	7/19/00	8/1/00
VOCs		1WS05001VA	1WS05101VA
PCE (μg/L)		1 U	1 U
TCE (μg/L)		0.5707 J	0.6166 J
cis-1,2-DCE (μg/L)		0.2284 J	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)	1WS04901R8	1WS05001R8	1WS05101R8
^{3}H	<266	<331	<273
^{90}Sr			
^{137}Cs			
Gross Alpha			
Gross Beta			
OTHER			
pH	7.87	8.07	8.17
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			
Biochemical Oxygen Demand			
Carbon Dioxide (mg/L)			
Oxidation Reduction Potential (mV)			
* Estimated using onsite field test kit analytical methods			
U = Non-detect			
J = Estimated Value			

TAN 24A

					DUP				DUP	
DATA SOURCE:	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO
ANALYTE\DATE	7/1/93	4/26/94	7/7/94	11/18/94	11/18/94	11/21/95	9/26/96	9/3/97	9/3/97	6/21/99
VOCs										
PCE (µg/L)	39	<1,000	<200	4	-	9	11	<25	<25	0.2
TCE (µg/L)	17,000	9,300	6,300	3,900	-	9,800	3,400	1,200	1,300	37
cis-1,2-DCE (µg/L)	-	3,500	1,000	-	-	-	-	180	190	590
trans-1,2-DCE (µg/L)	-	2,000	520	-	-	-	-	140	140	340
total-1,2-DCE (µg/L)	4,800	-	-	3,800	-	4,000	1,300	-	-	
vinyl chloride (µg/L)										210
Ethene (µg/L)	-	-	-	-	-	-	<3	<1	<1	<2
Ethane (µg/L)	-	-	-	-	-	-	<3	<1	<1	<2
Methane (µg/L)	-	-	-	-	-	-	3.90	0.97	0.89	3,400
Hydrogen Sulfide	-	-	-	-	-	-	<0.298	<0.05	<0.05	0.1
ANIONS										
Nitrate (mg/L)	-	-	-	-	-	-	-	-	-	0
Nitrite (mg/L)	-	-	-	-	-	-	-	-	-	
Nitrate/Nitrite (mg/L)	-	-	-	-	-	-	0.31	3.19	2.98	
Sulfate (mg/L)	-	-	-	-	-	-	45.7	38.1	38.1	0.77
Chloride (mg/L)	-	-	-	-	-		102	88.8	90.8	58
Phosphate (mg/L)										<0.75
METALS (ug/L)										
Aluminum	352	-	-	-	-	<42.3	81.6	61.6	324	<15.6
Antimony	<14.0	-	-	-	-	<4.0	<50.0	<50.0	<50.0	
Arsenic	<2.0	-	-	-	-	<2.0	3.0	3.8	3.9	
Barium	254	186	213	176	-	210	169	209	221	
Beryllium	<5.0	-	-	-	-	<4.0	<4.0	<4.0	<4.0	
Cadmium	6.4	-	-	-	-	<4.0	<5.0	<5.0	<5.0	
Calcium	62,300	-	-	-	-	61,200	45,300	59,000	60,700	181,000
Chromium	<6.0	-	-	-	-	<11.7	<10.0	<10.0	<10.0	
Cobalt	<17.0	-	-	-	-	<14.0	<10.0	<10.0	<10.0	
Copper	<9.0	<8.0	<8.0	<12.0	-	13.7	<5.0	<5.0	<5.0	
Iron	478	-	-	-	-	775	89.3	226	575	>3,000*
Lead	4.0	<1.0	<1.0	1.0	-	<1.8	<1.5	5.8	2.6	
Magnesium	21,500	-	-	-	-	21,100	16,100	18,900	19,300	
Manganese	200	-	-	-	-	201	101	43.5	115	53,500
Mercury	<0.10	0.12	<0.10	<0.10	-	<0.14	<0.10	<0.10	<0.10	
Nickel	<18.0	-	-	-	-	<19.0	<15.0	<15.0	<15.0	
Potassium	5,890	-	-	-	-	3,970	4,530	3,880	3,990	7,810
Selenium	<5.0	-	-	-	-	<4.0	<2.5	<1.5	<1.5	
Silver	<2.0	-	-	-	-	5.4	<5.0	<5.0	<5.0	
Sodium	80,500	-	-	-	-	79,500	76,900	52,300	53,700	1,100,000
Thallium	<1.0	-	-	-	-	<2.0	<2.0	<2.5	<2.5	
Vanadium	<24.0	-	-	-	-	<14.0	<10.0	<10.0	<10.0	
Zinc	137	<14.0	<6.0	80.0	-	80.0	15.4	9.0	18.0	
RADIONUCLIDES (pCi/L)										
^{3}H	14,200	10,000	7,500	8,500	-	7,800	7,740	4,040	4,130	2250+/-192
^{90}Sr	380	440 / 420	380 /	410	420	476	301	248	259	1520+/-137
^{137}Cs	147	300	90	280	-	570	304	142	135	1700+/-142
Gross Alpha	11	-	-	-	-	-	3.92	4.19	5.06	<14.6
Gross Beta	860	-	-	-	-	-	-	-	-	
^{234}U	10	7.0								
$^{230}Th/^{234}U$	-	-	-			10.2				
^{235}U	<0.4	-	-			0.22				<45.0
^{238}U	1.4	0.64	-			0.80				
^{241}Am	<0.04									<55.2
$^{241}Am/^{238}Pu$	-	<0.2								
^{238}Pu	<0.06									
$^{239/240}Pu$	<0.08	<0.2								
^{244}Cm	<0.06									
^{60}Co										21.8+/-3.6
OTHER										
pH	8.21	7.96	7.96	-	-	-	-	-	-	6.06
Dissolved Oxygen (mg/L)	-	-	-	-	-	-	-	-	-	0.08
Orthophosphate	-	-	-	-	-	-	0.08	0.105	0.081	
Alkalinity (mg/L)	-	-	-	-	-	190	379	198	198	1,255*
Specific Conductance (mS/cm)	790	840	839	-	-	790	-	-	-	4.53
Total Dissolved Solids (mg/L)	-	-	-	-	-	-	-	-	-	4,980
Ammonia Nitrogen (mg/L)	-	-	-	-	-	-	-	-	-	2*
Total Organic Carbon (mg/L)	-	-	-	-	-	-	-	-	-	
Chemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	-	-	3,173*
Biochemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	-	-	
Carbon Dioxide (mg/L)										484*
Oxidation Reduction Potential (mV)										-107

* Estimated using onsite field test kit analytical methods

** Unpreserved samples

TAN 26

DATA SOURCE:	INEEL	INEEL	INEEL
ANALYTE\DATE	6/5/00	7/6/00	7/31/00
VOCs	1PD11501VA	1PD14601VA	1PD17101VA
PCE (μg/L)	-	<10	-
TCE (μg/L)	<10	<10	<10
cis-1,2-DCE (μg/L)	43.1	22.7	69.5
trans-1,2-DCE (μg/L)	423.4	398.8	490.5
total-1,2-DCE (μg/L)			
vinyl chloride (μg/L)	<10	<10	42.0
Ethene (μg/L)	117.9	88.7	96.5
Ethane (μg/L)	1.0	-	-
Methane (μg/L)	8,781.6	9,727.3	9,512.5
Hydrogen Sulfide			
ANIONS			
Nitrate (mg/L)	0	0.5	0
Nitrite (mg/L)			
Nitrate/Nitrite (mg/L)			
Sulfate (mg/L)	4	2	2
Chloride (mg/L)	125	147	136
Phosphate (mg/L)	2.5	2.5	2.5
METALS (ug/L)	1PD14201LA		
Aluminum	83		
Antimony	10 U		
Arsenic	5 U		
Barium	1,000		
Beryllium	5 U		
Cadmium	5 U		
Calcium	156,000		
Chromium	9.5		
Cobalt	5		
Copper	15.1		
Iron	11,700	>3,000*	>3,000*
Lead	7.9		
Magnesium	58,200		
Manganese	1,720		
Mercury	0.23		
Nickel	28.7		
Potassium	8,760		
Selenium	5 U		
Silver	5 U		
Sodium	160,000		
Thallium	10 U		
Vanadium	5 U		
Zinc	1,110		
RADIONUCLIDES (pCi/L)	1PD11501R8	1PD14601R8	1PD19601R8
^{3}H	2560+/-192	3500+/-225	4080+/-331
^{90}Sr			
^{137}Cs			
Gross Alpha			
Gross Beta			
	1WS07301UA	1WS07401UA	1WS07501UA
^{234}U	1.01+/-0.1	3.37+/-0.26	1.34+/-0.14**
$^{230}Th/^{234}U$			
^{235}U	0.11+/-0.03	0.13+/-0.03	0.052+/-0.023**
^{238}U	0.134+/-0.03	0.335+/-0.05	.02+/-0.044**
^{241}Am			
$^{241}Am/^{238}Pu$			
^{238}Pu			
$^{239/240}Pu$			
^{244}Cm			
^{60}Co			
OTHER			
pH			
Dissolved Oxygen (mg/L)			
Orthophosphate			
Alkalinity (mg/L)	1,975*	1,710*	2,190*
Specific Conductance (mS/cm)			
Total Dissolved Solids (mg/L)			
Ammonia Nitrogen (mg/L)	0.52*	0.42*	0.24*
Total Organic Carbon (mg/L)			
Chemical Oxygen Demand (mg/L)	3,078*	315*	2,565*
Biochemical Oxygen Demand (mg/L)			
Carbon Dioxide (mg/L)	702*	496*	676*
Oxidation Reduction Potential (mV)			
* Estimated using onsite field test kit analytical methods			
** Unpreserved samples			

		DUP			DUP		DUP				
DATA SOURCE:	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO
ANALYTE\DATE	6/29/93	6/29/93	4/26/94	7/7/94	7/7/94	10/24/94	10/24/94	11/22/95	5/1/96	12/3/97	6/21/99
VOCs											
PCE (µg/L)	15	5	19	16	14	25	26	18	21	10	<5
TCE (µg/L)	670	290	1,000	760	710	2,200	2,100	910	840	1,200	<5
cis-1,2-DCE (µg/L)	-	-	420	230	240	1,700	1,600	-	170	98	1,400
trans-1,2-DCE (µg/L)	-	-	33	17	17	62	63	-	16	18	49
total-1,2-DCE (µg/L)	340	180	-	-	-	-	-	240	-	-	
vinyl chloride (µg/L)											200
Ethene (µg/L)	-	-	-	-	-	-	-	-	-	<1	<2
Ethane (µg/L)	-	-	-	-	-	-	-	-	-	<1	<2
Methane (µg/L)	-	-	-	-	-	-	-	-	-	0.6	4,000
Hydrogen Sulfide	-	-	-	-	-	-	-	-	-	<0.05	0.1
ANIONS											
Nitrate (mg/L)	-	-	-	-	-	-	-	-	-	-	0
Nitrite (mg/L)	-	-	-	-	-	-	-	-	-	-	
Nitrate/Nitrite (mg/L)	-	-	-	-	-	-	-	-	-	3.12	
Sulfate (mg/L)	-	-	-	-	-	-	-	-	-	53.3	<0.31
Chloride (mg/L)	-	-	-	-	-	-	-		-	87.2	70.2
Phosphate (mg/L)										<0.75	<0.75
METALS (ug/L)											
Aluminum	517	363	-	-	-	-	-	992	-	<50.0	<15.6
Antimony	<14.0	<14.0	-	-	-	-	-	<4.0	-	<50.0	
Arsenic	<2.0	2.8	-	-	-	-	-	<2.0	-	<2.5	
Barium	136	142	152	131	132	123	116	148	-	172	
Beryllium	<5.0	<5.0	-	-	-	-	-	<4.0	-	<4.0	
Cadmium	7.0	<5.0	-	-	-	-	-	<4.0	-	<5.0	
Calcium	74,700	76,100	-	-	-	-	-	73,300	-	67,100	390,000
Chromium	<6.0	<6.0	-	-	-	-	-	<15.1	-	<10.0	
Cobalt	<17.0	<17.0	-	-	-	-	-	<14.0	-	<10.0	
Copper	<9.0	<9.0	<8.0	13.6	<8.0	<12.0	<12.0	<6.0	-	<5.0	
Iron	853	719	-	-	-	-	-	3,590	-	<10.0	>3.000*
Lead	2.2	2.3	<1.0	5.5	4.5	<1.0	1.5	<1.0	-	<2.0	
Magnesium	23,500	23,900	-	-	-	-	-	23,000	-	20,400	
Manganese	53.5	51.4	-	-	-	-	-	<26.6	-	<2.5	141,000
Mercury	<0.10	<0.10	<0.10	0.10	<0.10	<0.10	<0.10	<0.10	-	<0.10	
Nickel	<18.0	<18.0	-	-	-	-	-	24.2	-	<15.0	
Potassium	4,520	4,540	-	-	-	-	-	3,720	-	4,800	14,000
Selenium	<5.0	<5.0	-	-	-	-	-	<4.0	-	2.8	
Silver	<2.0	<2.0	-	-	-	-	-	<1.0	-	<5.0	
Sodium	29,300	30,100	-	-	-	-	-	22,500	-	42,200	1,370,000
Thallium	<1.0	<1.0	-	-	-	-	-	<2.0	-	<2.0	
Vanadium	<24.0	<24.0	-	-	-	-	-	<14.0	-	<10.0	
Zinc	51.3	59	<9.0	24.1	<6.0	<12.0	<12.0	<14.0	-	426	
RADIONUCLIDES (pCi/L)											
^{3}H	4,800	4,700	3,700	3,600	3,500	4,100	4,700	3,400	-	3,610	2770+/-221
^{90}Sr	8.6	8.2	<2 / <4	4 / 3	4 / 3	<2/<2	<2/<2	3.8	4.0	37	536+/-48
^{137}Cs	<30	<30	<30	<30	<30	<30	<30	<30	<30	<16.1	<14.2
Gross Alpha	6.9	5.5	-	-	-	-	-	-	4.3	5.94	11.6+/-4.7
Gross Beta	18	24	-	-	-	-	-	-	-	-	
^{234}U	3.4	2.3	1.7								
$^{230}Th/^{234}U$	-	-	-	-	-			2.8			
^{235}U	<0.4	<0.4	-	-	-			<0.12			<45.0
^{238}U	0.9	1.4	1.4	-	-			1.17			
^{241}Am	0.59	<0.10									<55.2
$^{241}Am/^{238}Pu$	-	-	<0.18								
^{238}Pu	<0.04	<0.06									
$^{239/240}Pu$	<0.08	<0.10	<0.18								
^{244}Cm	0.23	<0.08									
^{60}Co											<16.5
OTHER											
pH	7.73	-	7.82	7.81	-	-	-	-	-	-	6.63
Dissolved Oxygen (mg/L)	-	-	-	-	-	-	-	-	-	-	0.35
Orthophosphate	-	-	-	-	-	-	-	-	-	0.111	
Alkalinity (mg/L)	-	-	-	-	-	-	-	158	-	182	1,970*
Specific Conductance (mS/cm)	642	-	796	800	-	-	-	649	-	-	6.33
Total Dissolved Solids (mg/L)	-	-	-	-	-	-	-	-	-	-	7,490
Ammonia Nitrogen (mg/L)	-	-	-	-	-	-	-	-	-	-	1*
Total Organic Carbon (mg/L)	-	-	-	-	-	-	-	-	-	-	
Chemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	-	-	-	5,373*
Biochemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	-	-	-	
Carbon Dioxide (mg/L)											896*
Oxidation Reduction Potential (mV)											-86

* Estimated using onsite field test kit analytical methods

TAN 27

		DUP							
DATA SOURCE:	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO
ANALYTE\DATE	8/25/94	8/25/94	9/19/94	2/13/96	3/1/96	5/21/96	8/6/96	7/2/97	6/21/99
VOCs									
PCE (μg/L)	6	6	7	7	7	7	6	9	3
TCE (μg/L)	21	22	27	25	32	28	24	29	59
cis-1,2-DCE (μg/L)	<1	<1	<1	<5	<5	<5	<5	<2	11
trans-1,2-DCE (μg/L)	<1	<1	<1	<5	<5	<5	<5	<2	6
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)	-	-	-	-	-	-	0.05	<7	<1
Hydrogen Sulfide	-	-	-	-	-	-	<0.298	<0.8	0
ANIONS									
Nitrate (mg/L)	-	-	-	-	-	-	-	-	1.5
Nitrite (mg/L)	-	-	-	-	-	-	-	-	
Nitrate/Nitrite (mg/L)	-	-	-	-	-	-	1.6	2.06	
Sulfate (mg/L)	-	-	-	-	-	-	37.2	40.6	35.4
Chloride (mg/L)	-	-	-	-	-	-	86.2	82.3	78.6
Phosphate (mg/L)									<0.75
METALS (ug/L)									
Aluminum	-	-	-	92.4	64.5	47.2	<50.0	<50.0	61.9
Antimony	-	-	-	8.3	<43.5	<2.9	<50.0	<50.0	
Arsenic	-	-	-	<3.0	<2.0	<2.5	<2.0	<2.5	
Barium	-	-	-	171	170	173	161	161	
Beryllium	-	-	-	<4.0	<0.10	<0.40	<4.0	<4.0	
Cadmium	-	-	-	7.1	2.8	1.0	<5.0	<5.0	
Calcium	-	-	-	82,600	81,600	77,000	79,000	72,500	79,600
Chromium	-	-	-	8.7	6.7	4.7	<10.0	<10.0	
Cobalt	-	-	-	<9.0	<5.0	1.7	<10.0	<10.0	
Copper	-	-	-	<11.0	<6.7	8.3	<5.0	<5.0	
Iron	-	-	-	970	348	143	336	242	40*
Lead	-	-	-	5.1	6.3	2.8	2.8	7.4	
Magnesium	-	-	-	22,100	21,100	21,700	21,200	19,600	20,900
Manganese	-	-	-	54.6	56.6	58.7	52.4	20.3	
Mercury	-	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	
Nickel	-	-	-	45.8	18.8	29.6	23.6	<15.0	
Potassium	-	-	-	3,340	4,240	3,550	3,530	3,550	2,990
Selenium	-	-	-	<5.0	<0.90	<2.8	<2.5	<2.5	
Silver	-	-	-	<1.0	<8.6	<1.0	<5.0	<5.0	
Sodium	-	-	-	27,000	26,800	26,200	27,600	26,100	31,400
Thallium	-	-	-	<5.0	<9.0	<3.6	<2.0	<2.0	
Vanadium	-	-	-	<21.0	<5.2	<1.7	<10.0	<10.0	
Zinc	-	-	-	1,650	1,220	961	942	1,300	
RADIONUCLIDES (pCi/L)									
^{3}H	2,000	2,200	2,000	<400	2,040	1,780	1,280	1,100	1330+/-145
^{90}Sr	111	104	94	108	106	88	110	77.8	65.1+/-6.0
^{137}Cs	<30	<30	<30	<30	<30	<30	<4.6	<5.72	<14.3
Gross Alpha	-	-	-	-	6.7	6.0	8.6	<1.07	5.24+/-0.76
Gross Beta	-	-	-	-	-	-	-	-	
^{234}U	8.7	9.0	5.2	-	-	-	-	-	<45.2
^{235}U	<0.18	0.71	0.18	-	-	-	-	-	
^{238}U	3.1	2.1	0.7	-	-	-	-	-	
^{60}Co									<16.6
OTHER									
pH	-	-	-	-	-	-	-	-	6.97
Dissolved Oxygen (mg/L)	-	-	-	-	-	-	-	-	0
Orthophosphate	-	-	-	-	-	-	0.04	<5.0	
Alkalinity (mg/L)	-	-	-	290	-	-	366	174	173*
Specific Conductance (mS/cm)	-	-	-	714	-	-	-	-	0.713
Total Dissolved Solids (mg/L)	-	-	-	-	-	-	-	-	-
Ammonia Nitrogen (mg/L)	-	-	-	-	-	-	-	-	0
Total Organic Carbon (mg/L)	-	-	-	-	-	-	-	-	
Chemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	-	7*
Biochemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	-	
Carbon Dioxide (mg/L)									34.4*
Oxidation Reduction Potential (mV)									196

* Estimated using onsite field test kit analytical methods

					DUP					
DATA SOURCE:	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO
ANALYTE\DATE	10/19/94	12/19/94	11/14/95	5/22/96	5/22/96	9/3/96	9/8/97	7/21/98	8/5/98	6/21/99
VOCs										
PCE (μg/L)	21	15	<120	14	13	14	12	12	12	7
TCE (μg/L)	3,000	2,700	2,300	2,100	2,000	2,000	1,700	1,100	1,600	840
cis-1,2-DCE (μg/L)	690	-	-	520	510	-	340	220	1,600	240
trans-1,2-DCE (μg/L)	400	-	-	330	320	-	260	130	160	120
total-1,2-DCE (μg/L)	-	1,200	1,100	-	-	1,000	-	-	-	
vinyl chloride (μg/L)										<5
Ethene (μg/L)	-	-	-	-	-	<3	<1	-	-	<2
Ethane (μg/L)	-	-	-	-	-	<3	<1	-	-	<2
Methane (μg/L)	-	-	-	-	-	1.50	2.5	-	-	7.1
Hydrogen Sulfide	-	-	-	-	-	<0.298	<0.05	-	-	0
ANIONS										
Nitrate (mg/L)	-	-	-	-	-	-	-	14.3	-	1.1
Nitrite (mg/L)	-	-	-	-	-	-	-	<0.2	-	
Nitrate/Nitrite (mg/L)	-	-	-	-	-	1.1	2.65	-	-	
Sulfate (mg/L)	-	-	-	-	-	<5.0	36.5	99	-	33.5
Chloride (mg/L)	-	-		-	-	95.7	101	96.7	-	87.3
Phosphate (mg/L)										<0.75
METALS (ug/L)										
Aluminum	-	-	<47.2	33.0	34.1	<50.0	<50.0	<24.7	-	123
Antimony	-	-	<4.0	<2.9	<2.9	<50.0	<50.0	<3.6	-	
Arsenic	-	-	<2.0	2.8	<2.5	2.6	<2.1	2.7	-	
Barium	-	-	252	272	236	229	248	227	-	
Beryllium	-	-	<4.0	<0.40	<0.40	<4.0	<4.0	<0.10	-	
Cadmium	-	-	<4.0	0.49	<0.40	<5.0	<5.0	0.71	-	
Calcium	-	-	70,900	73,000	63,300	62,000	68,800	66,200	-	68,800
Chromium	-	-	<4.0	1.5	4.1	<10.0	11.5	<5.6	-	
Cobalt	-	-	<14.0	3.5	2.7	<10.0	<10.0	1.2	-	
Copper	-	-	<6.0	7.1	5.0	<5.0	<5.0	3.9	-	
Iron	-	-	<152	68.3	58.1	72.2	120	28.3	-	80*
Lead	-	-	<7.5	8.2	7.4	<1.5	4.2	<1.9	-	
Magnesium	-	-	19,900	22,400	19,300	18,000	19,700	19,500	-	20,300
Manganese	-	-	139	181	158	153	24.8	51.7	-	
Mercury	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	-	
Nickel	-	-	<19.0	9.5	9.3	<15.0	19.1	7.9	-	
Potassium	-	-	4,220	5,950	5,050	4,760	4,610	5,250	-	5,360
Selenium	-	-	<4.0	<2.8	<2.8	<2.5	<1.5	<3.6	-	
Silver	-	-	<1.0	<1.0	<1.0	<5.0	<5.0	<4.6	-	
Sodium	-	-	65,600	63,000	54,700	57,300	60,000	54,200	-	57,100
Thallium	-	-	<4.3	<3.6	<3.6	<2.0	<2.5	<0.90	-	
Vanadium	-	-	<14.0	3.3	2.2	<10.0	<10.0	3.8	-	
Zinc	-	-	690	591	509	775	288	48.2	-	
RADIONUCLIDES (pCi/L)										
^{3}H	7,300	4,900	3,800	4,220	5,090	4,790	3,810	5,610	5,360	3970+/-290
^{90}Sr	233	258	255	269	284	226	197	181	-	204+/-18
^{137}Cs	<30	<30	<30	<30	<30	<4.6	<8.16	<3.44	-	<14.4
Gross Alpha	-	-	-	6.8	7.3	5.51	6.37	8.8	-	6.90+/-0.82
Gross Beta	-	-	-	-	-	-	-	-	-	
^{234}U	5.9	7.2	-	-	-	-	-	-	-	
^{235}U	0.17	<0.14	<0.16	-	-	-	-	-	-	<45.7
^{238}U	0.84	0.81	0.72	-	-	-	-	-	-	
$^{230}Th/^{234}U$	-	-	7.5	-	-	-	-	-	-	
^{60}Co										<16.8
OTHER										
pH	-	-	-	-	-	-	-	-	-	7.36
Dissolved Oxygen (mg/L)	-	-	-	-	-	-	-	-	-	0
Orthophosphate	-	-	-	-	-	0.12	0.099	<1.0	-	
Alkalinity (mg/L)	-	-	212	-	-	423	221	176	-	200*
Specific Conductance (mS/cm)	-	-	771	-	-	-	-	-	-	0.778
Total Dissolved Solids (mg/L)	-	-	-	-	-	-	-	437	-	-
Ammonia Nitrogen (mg/L)	-	-	-	-	-	-	-	1.1	-	1*
Total Organic Carbon (mg/L)	-	-	-	-	-	-	-	0.7	-	
Chemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	<5.0	-	19*
Biochemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	-	-	
Carbon Dioxide (mg/L)										32.8*
Oxidation Reduction Potential (mV)										156
* Estimated using onsite field test kit analytical methods										

TAN 28

DATA SOURCE:	INEEL	INEEL	INEEL
ANALYTE\DATE	6/5/00	7/5/00	8/28/00
VOCs	1PD12101VA	1PD15101VA	1PD20101VA
PCE (μg/L)	<10	<10	<10
TCE (μg/L)	621.9	579.4	768.3
cis-1,2-DCE (μg/L)	187.5	173.4	192.3
trans-1,2-DCE (μg/L)	134.2	122.4	144.5
total-1,2-DCE (μg/L)			
vinyl chloride (μg/L)	<10	<10	<10
Ethene (μg/L)	<1	<1	0.5
Ethane (μg/L)	-	-	-
Methane (μg/L)	856.2	1,124.5	2,428.3
Hydrogen Sulfide			
ANIONS			
Nitrate (mg/L)	0.6	0.4	0
Nitrite (mg/L)			
Nitrate/Nitrite (mg/L)			
Sulfate (mg/L)	28	31	28
Chloride (mg/L)	104	112	125
Phosphate (mg/L)	0.53	0.83	0.67
METALS (ug/L)			
Aluminum			
Antimony			
Arsenic			
Barium			
Beryllium			
Cadmium			
Calcium			
Chromium			
Cobalt			
Copper			
Iron	110*	0*	20*
Lead			
Magnesium			
Manganese			
Mercury			
Nickel			
Potassium			
Selenium			
Silver			
Sodium			
Thallium			
Vanadium			
Zinc			
RADIONUCLIDES (pCi/L)	1PD12101R8	1PD15101R8	1PD20101R8
^{3}H	3670+/-240	4030+/-254	4770+/-373
^{90}Sr			
^{137}Cs			
Gross Alpha			
Gross Beta			
^{234}U			
^{235}U			
^{238}U			
$^{230}Th/^{234}U$			
^{60}Co			
OTHER			
pH	7.84	7.69	7.85
Dissolved Oxygen (mg/L)	0.27	0.16	0.04
Orthophosphate			
Alkalinity (mg/L)	251*	234*	237*
Specific Conductance (mS/cm)	0.932	0.825	0.829
Total Dissolved Solids (mg/L)			
Ammonia Nitrogen (mg/L)	1.24*	1.17*	1.21*
Total Organic Carbon (mg/L)			
Chemical Oxygen Demand (mg/L)	0*	4*	0*
Biochemical Oxygen Demand (mg/L)			
Carbon Dioxide (mg/L)	53.2*	54.4*	69*
Oxidation Reduction Potential (mV)	188	139	-50
* Estimated using onsite field test kit analytical methods			

TAN 29

				DUP						
DATA SOURCE:	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO
ANALYTE\DATE	10/20/94	12/20/94	11/13/95	11/13/95	3/12/96	5/28/96	8/6/96	6/18/97	7/20/98	6/21/99
VOCs										
PCE (μg/L)	13	18	20	35	16	19	20	26	20	3
TCE (μg/L)	920	1,500	1,000	1,100	1,400	1,600	1,100	1,100	1,900	210
cis-1,2-DCE (μg/L)	150	-	-	-	-	310	-	180	280	29
trans-1,2-DCE (μg/L)	70	-	-	-	-	160	-	110	130	16
total-1,2-DCE (μg/L)	-	370	250	260	390	-	94	-	-	
vinyl chloride (μg/L)										<5
Ethene (μg/L)	-	-	-	-	-	-	<3	<12	-	<2
Ethane (μg/L)	-	-	-	-	-	-	<3	<12	-	<2
Methane (μg/L)	-	-	-	-	-	-	0.10	2.2	-	<1
Hydrogen Sulfide	-	-	-	-	-	-	<0.298	<1	-	0
ANIONS										
Nitrate (mg/L)	-	-	-	-	-	-	-	-	11.9	2.7
Nitrite (mg/L)	-	-	-	-	-	-	-	-	<0.2	
Nitrate/Nitrite (mg/L)	-	-	-	-	-	-	3.5	3.51	-	
Sulfate (mg/L)	-	-	-	-	-	-	40.4	42.5	74.6	39.6
Chloride (mg/L)	-	-	-	-	-	-	90.5	109	101	92.9
Phosphate (mg/L)										<0.75
METALS (ug/L)										
Aluminum	-	-	<43.0	<43.0	<49.3	47.8	<50.0	<50.0	<24.7	<15.6
Antimony	-	-	<4.0	<4.0	<43.5	<2.9	<50.0	<50.0	<3.6	
Arsenic	-	-	<2.0	<2.0	2.0	<2.5	<2.0	4.3	<2.6	
Barium	-	-	253	239	230	265	227	225	224	
Beryllium	-	-	<4.0	<4.0	<0.10	<0.40	<4.0	<4.0	<0.10	
Cadmium	-	-	4.9	7.8	3.3	0.55	<5.0	<5.0	0.44	
Calcium	-	-	77,900	77,700	65,800	75,300	74,400	70,100	68,100	67,900
Chromium	-	-	<4.0	<4.0	<4.6	5.9	<10.0	<10.0	<5.6	
Cobalt	-	-	<14.0	<14.0	<5.0	3.2	<10.0	<10.0	1.5	
Copper	-	-	<6.0	<6.0	7.2	6.1	<5.0	<5.0	2.5	
Iron	-	-	<295	<244	45.2	318	676	434	73.6	20*
Lead	-	-	<4.6	<9.6	11.7	6.0	5.4	3.3	<1.9	
Magnesium	-	-	19,400	19,200	16,500	20,900	19,300	18,200	19,700	18,000
Manganese	-	-	<4.0	<4.0	6.1	12.7	10.8	7.9	20.5	
Mercury	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	
Nickel	-	-	<19.0	<19.0	<7.9	9.7	<15.0	<15.0	10.1	
Potassium	-	-	3,930	3,880	4,920	5,880	4,850	4,600	5,310	4,070
Selenium	-	-	<9.1	<4.0	<0.90	<2.8	<2.5	<2.5	<3.6	
Silver	-	-	<1.0	<1.0	<8.6	<1.0	<5.0	<5.0	<4.6	
Sodium	-	-	49,700	49,000	51,200	56,900	49,100	47,400	49,000	50,300
Thallium	-	-	<6.2	<4.3	<9.0	<3.6	<2.0	<4.0	<0.90	
Vanadium	-	-	<14.0	<14.0	<5.2	3.1	<10.0	<10.0	3	
Zinc	-	-	823	821	533	650	872	266	95.9	
RADIONUCLIDES (pCi/l)										
^{3}H	4,600	5,300	4,000	3,000	4,920	5,080	4,150	4,680	5,130	3,990+/-
^{90}Sr	17.3	27	11.0	11.7	22	22.0	27.0	23	17	20.9+/-2.0
^{137}Cs	<30	<30	<30	<30	-	-	-	-	-	<14.2
Gross Alpha	-	-	-	-	5.6	9.8	7.10	4.89	10.1	5.31+/-
Gross Beta	-	-	-	-	-	-	-	-	-	
^{234}U	-	6.4	-	-	-	-	-	-	-	
^{235}U	<0.14	<0.18	<0.14	<0.16	-	-	-	-	-	<45.0
^{238}U	1.25	0.86	0.86	0.68	-	-	-	-	-	
^{228}Th	0.29	-	-	-	-	-	-	-	-	
$^{230}Th/^{234}U$	4.7	-	4.4	4.5	-	-	-	-	-	
^{232}Th	0.39	-	-	-	-	-	-	-	-	
^{60}Co										<16.5
OTHER										
pH	-	-	-	-	-	-	-	-	-	-
Dissolved Oxygen (mg/L)	-	-	-	-	-	-	-	-	-	-
Orthophosphate	-	-	-	-	-	-	0.05	-	<1.0	
Alkalinity (mg/L)	-	-	188	188	-	-	385	187	175	154*
Specific Conductance (mS/cm)	-	-	732	722	-	-	-	-	-	-
Total Dissolved Solids (mg/L)	-	-	-	-	-	-	-	-	440	-
Ammonia Nitrogen (mg/L)	-	-	-	-	-	-	-	-	0.7	1*
Total Organic Carbon (mg/L)	-	-	-	-	-	-	-	-	1.6	
Chemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	-	<5.0	
Biochemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	-	-	
Carbon Dioxide (mg/L)										33*
Oxidation Reduction Potential (mV)										-

* Estimated using onsite field test kit analytical methods

DATA SOURCE:	INEEL
ANALYTE\DATE	6/5/00
VOCs	1PD12001V
PCE (µg/L)	<10
TCE (µg/L)	155.2
cis-1,2-DCE (µg/L)	20
trans-1,2-DCE (µg/L)	<10
total-1,2-DCE (µg/L)	
vinyl chloride (µg/L)	<10
Ethene (µg/L)	-
Ethane (µg/L)	-
Methane (µg/L)	3.7
Hydrogen Sulfide	
ANIONS	
Nitrate (mg/L)	2.3
Nitrite (mg/L)	
Nitrate/Nitrite (mg/L)	
Sulfate (mg/L)	46
Chloride (mg/L)	111
Phosphate (mg/L)	0.61
METALS (ug/L)	
Aluminum	
Antimony	
Arsenic	
Barium	
Beryllium	
Cadmium	
Calcium	
Chromium	
Cobalt	
Copper	
Iron	10*
Lead	
Magnesium	
Manganese	
Mercury	
Nickel	
Potassium	
Selenium	
Silver	
Sodium	
Thallium	
Vanadium	
Zinc	
RADIONUCLIDES (pCi/L)	1PD12001R
^{3}H	3200+/-220
^{90}Sr	
^{137}Cs	
Gross Alpha	
Gross Beta	
^{234}U	
^{235}U	
^{238}U	
^{228}Th	
$^{230}Th/^{234}U$	
^{232}Th	
^{60}Co	
OTHER	
pH	
Dissolved Oxygen (mg/L)	
Orthophosphate	
Alkalinity (mg/L)	159*
Specific Conductance (mS/cm)	
Total Dissolved Solids (mg/L)	
Ammonia Nitrogen (mg/L)	0.06*
Total Organic Carbon (mg/L)	
Chemical Oxygen Demand (mg/L)	0*
Biochemical Oxygen Demand (mg/L)	
Carbon Dioxide (mg/L)	44*
Oxidation Reduction Potential (mV)	
* Estimated using onsite field test kit analytical methods	

TAN 30A

		DUP							
DATA SOURCE:	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO
ANALYTE\DATE	11/16/94	11/16/94	12/20/94	11/15/95	3/12/96	5/22/96	9/3/96	9/4/97	6/21/99
VOCs									
PCE (µg/L)	16	25	25	32	24	27	24	24	16
TCE (µg/L)	680	550	610	760	660	700	580	180	330
cis-1,2-DCE (µg/L)	-	75	-	-	-	130	-	27	64
trans-1,2-DCE (µg/L)	-	18	-	-	-	45	-	8	16
total-1,2-DCE (µg/L)	210	-	110	190	170	-	200	-	
vinyl chloride (µg/L)									<5
Ethene (µg/L)	-	-	-	-	-	-	<3	<1	<2
Ethane (µg/L)	-	-	-	-	-	-	<3	<1	<2
Methane (µg/L)	-	-	-	-	-	-	0.40	<1	1.5
Hydrogen Sulfide	-	-	-	-	-	-	<0.298	<0.05	0
ANIONS									
Nitrate (mg/L)	-	-	-	-	-	-	-	-	1.3
Nitrite (mg/L)	-	-	-	-	-	-	-	-	
Nitrate/Nitrite (mg/L)	-	-	-	-	-	-	1.72	3.02	
Sulfate (mg/L)	-	-	-	-	-	-	<5.0	41.3	37.2
Chloride (mg/L)	-	-	-	-	-	-	99.2	92.3	93.5
Phosphate (mg/L)									<0.75
METALS (ug/L)									
Aluminum	-	-	-	<43.0	<49.3	38.2	<50.0	<50.0	<15.6
Antimony	-	-	-	<4.0	<43.5	<2.9	<50.0	<50.0	
Arsenic	-	-	-	<2.0	2.0	<2.5	<2.0	<2.1	
Barium	-	-	-	225	197	231	197	206	
Beryllium	-	-	-	<4.0	<0.10	<0.40	<4.0	<4.0	
Cadmium	-	-	-	<4.0	<2.7	<0.40	<5.0	<5.0	
Calcium	-	-	-	77,600	70,400	80,400	68,500	72,400	74,900
Chromium	-	-	-	<4.0	<4.6	16.8	<10.0	<10.0	
Cobalt	-	-	-	<14.0	<5.0	2.0	<10.0	<10.0	
Copper	-	-	-	<6.0	<6.7	3.4	<5.0	<5.0	
Iron	-	-	-	<123	<3.1	23.2	15.7	21.7	80*
Lead	-	-	-	<3.3	4.4	6.2	<1.5	5.2	
Magnesium	-	-	-	21,000	19,100	23,700	19,400	20,700	
Manganese	-	-	-	<31.9	22.1	22.1	17.2	15.2	
Mercury	-	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	
Nickel	-	-	-	<19.0	<7.9	14.5	<15.0	<15.0	
Potassium	-	-	-	4,160	4,810	5,690	4,970	4,340	21,300
Selenium	-	-	-	<4.0	<0.90	<2.8	<2.5	<1.5	
Silver	-	-	-	<1.0	<8.6	<1.0	<5.0	<5.0	
Sodium	-	-	-	43,300	37,100	41,300	38,300	35,000	38,000
Thallium	-	-	-	<5.0	<9.0	<3.6	<2.0	2.5	
Vanadium	-	-	-	<14.0	<5.2	3.0	<10.0	<10.0	
Zinc	-	-	-	710	1,080	779	211	779	
RADIONUCLIDES (pCi/L)									
^{3}H	6,200	-	5,200	4,300	4,800	4,960	4,400	<210	3,560+/-266
^{90}Sr	110	-	<4	<1.8	1.1	1.6	1.39	0.97	0.76+/-0.23
^{137}Cs	<30	-	<30	<30	-	-	<3.98	-	<14.2
Gross Alpha	-	-	-	-	<3.2	<2.6	1.58	<0.992	3.53+/-0.61
Gross Beta	-	-	-	-	-	-	-	-	
^{234}U	-	-	2.4	-					
^{235}U	<0.14	-	<0.10	<0.14					<45.0
^{238}U	1.07	-	0.76	0.87					
^{228}Th	1.3	-	-	-					
$^{230}Th/^{234}U$	4.3	-	-	2.5					
^{232}Th	1.24	-	-	-					
^{60}Co									<16.5
OTHER									
pH	-	-	-	-	-	-	-	-	7.21
Dissolved Oxygen (mg/L)	-	-	-	-	-	-	-	-	0
Orthophosphate	-	-	-	-	-	-	0.07	0.026	
Alkalinity (mg/L)	-	-	-	174	-	-	355	189	167*
Specific Conductance (mS/cm)	-	-	-	707	-	-	-	-	0.75
Total Dissolved Solids (mg/L)	-	-	-	-	-	-	-	-	-
Ammonia Nitrogen (mg/L)	-	-	-	-	-	-	-	-	1*
Total Organic Carbon (mg/L)	-	-	-	-	-	-	-	-	
Chemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	-	16*
Biochemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	-	
Carbon Dioxide (mg/L)									30*
Oxidation Reduction Potential (mV)									
* Estimated using onsite field test kit analytical methods									
** Unpreserved samples									

TAN 30A

DATA SOURCE:	INEEL	INEEL	INEEL
ANALYTE\DATE	6/5/00	7/5/00	7/31/00
VOCs	1PD12201VA	1PD15201VE	1PD17701VA
PCE (μg/L)	<10	12.2	<10
TCE (μg/L)	177.6	202.8	192.4
cis-1,2-DCE (μg/L)	43.0	48.3	47.8
trans-1,2-DCE (μg/L)	35.5	33.2	35.5
total-1,2-DCE (μg/L)			
vinyl chloride (μg/L)	<10	<10	<10
Ethene (μg/L)	-	-	-
Ethane (μg/L)	-	-	-
Methane (μg/L)	2,407.3	2,061.4	2,668.6
Hydrogen Sulfide			
ANIONS			
Nitrate (mg/L)	0.3	0.4	0.7
Nitrite (mg/L)			
Nitrate/Nitrite (mg/L)			
Sulfate (mg/L)	17	20	19
Chloride (mg/L)	118	133	127
Phosphate (mg/L)	0.4	0.67	0.6
METALS (ug/L)			
Aluminum			
Antimony			
Arsenic			
Barium			
Beryllium			
Cadmium			
Calcium			
Chromium			
Cobalt			
Copper			
Iron	40*	0*	30*
Lead			
Magnesium			
Manganese			
Mercury			
Nickel			
Potassium			
Selenium			
Silver			
Sodium			
Thallium			
Vanadium			
Zinc			
RADIONUCLIDES (pCi/L)	1PD12201R8	1PD15201R8	1PD17701R8
^{3}H	3380+/-229	3620+/-232	3140+/-215
^{90}Sr			
^{137}Cs			
Gross Alpha			
Gross Beta			
	1WS07601UA	1WS07701UA	1WS07801UA
^{234}U	2.4+/-0.2	2.42+/-0.2	2.63+/-0.22**
^{235}U	0.129+/-0.03	0.111+/-0.03	0.131+/-0.035**
^{238}U	0.866+/-0.09	0.78+/-0.08	0.947+/-0.112**
^{228}Th			
$^{230}Th/^{234}U$			
^{232}Th			
^{60}Co			
OTHER			
pH	7.63	7.69	
Dissolved Oxygen (mg/L)	0.02	0.14	
Orthophosphate			
Alkalinity (mg/L)	262*	240*	246*
Specific Conductance (mS/cm)	0.931	0.812	
Total Dissolved Solids (mg/L)			
Ammonia Nitrogen (mg/L)	0.27*	0.27*	0.21*
Total Organic Carbon (mg/L)			
Chemical Oxygen Demand (mg/L)	0*	21*	0*
Biochemical Oxygen Demand (mg/L)			
Carbon Dioxide (mg/L)	75*	65*	73.4*
Oxidation Reduction Potential (mV)	210	124	73.6
* Estimated using onsite field test kit analytical methods			
** Unpreserved samples			

DATA SOURCE:	LMITCO	LMITCO
ANALYTE\DATE	9/26/96	6/21/99
VOCs		
PCE (μg/L)	<5	<5
TCE (μg/L)	110	10
cis-1,2-DCE (μg/L)	-	71
trans-1,2-DCE (μg/L)	-	11
total-1,2-DCE (μg/L)	79	
vinyl chloride (μg/L)		20
Ethene (μg/L)	<3	<21
Ethane (μg/L)	<3	<23
Methane (μg/L)	0.20	960
Hydrogen Sulfide	<0.298	1
ANIONS		
Nitrate (mg/L)	-	0.2
Nitrite (mg/L)	-	
Nitrate/Nitrite (mg/L)	2.1	
Sulfate (mg/L)	46.0	1.4
Chloride (mg/L)	98.9	84.6
Phosphate (mg/L)		<0.75
METALS (ug/L)		
Aluminum	50.0	62.8
Antimony	<50.0	
Arsenic	<2.0	
Barium	79.2	
Beryllium	<4.0	
Cadmium	<5.0	
Calcium	20,000	91,500
Chromium	<10.0	
Cobalt	<10.0	
Copper	<5.0	
Iron	46.7	0.58*
Lead	<1.5	
Magnesium	14,900	
Manganese	16.2	29,400
Mercury	<0.10	
Nickel	<15.0	
Potassium	5,300	3,980
Selenium	<2.5	
Silver	<5.0	
Sodium	115,000	136,000
Thallium	<2.0	
Vanadium	<10.0	
Zinc	143	
RADIONUCLIDES (pCi/L)		
^{3}H	7,900	1,720+/-164
^{90}Sr	-	425+/-38
^{137}Cs	-	357+/-37
Gross Alpha	-	<4.12
Gross Beta	-	
^{60}Co		<16.9
OTHER		
pH	-	6.8
Dissolved Oxygen (mg/L)	-	0.16
Orthophosphate	0.07	
Alkalinity (mg/L)	364	349*
Specific Conductance (mS/cm)	-	1.195
Total Dissolved Solids (mg/L)	-	825
Ammonia Nitrogen (mg/L)	-	1
Total Organic Carbon (mg/L)	-	
Chemical Oxygen Demand (mg/L)	-	241*
Biochemical Oxygen Demand (mg/L)	-	
Carbon Dioxide (mg/L)		75.8*
Oxidation Reduction Potential (mV)		-29
* Estimated using onsite field test kit analytical methods		

DATA SOURCE:	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO
ANALYTE\DATE	2/3/97	3/20/97	6/30/97	2/19/98	7/12/99
VOCs					
PCE (μg/L)	16	15	11	15	12
TCE (μg/L)	140	130	180	170	270
cis-1,2-DCE (μg/L)	10	12	13	15	28
trans-1,2-DCE (μg/L)	3	4	5	6	9
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	-	2.7
Hydrogen Sulfide	-	-	<0.8	-	-
ANIONS					
Nitrate (mg/L)	-	-	-	-	1.9
Nitrite (mg/L)	-	-	-	-	
Nitrate/Nitrite (mg/L)	-	-	2.48	-	
Sulfate (mg/L)	-	-	42.8	-	34.9
Chloride (mg/L)	-	-	92.8	-	85.3
Phosphate (mg/L)					<0.75
METALS (ug/L)					
Aluminum	<50.0	<50.0	<50.0	18.6	<15.6
Antimony	<50.0	<50.0	<50.0	4.4	
Arsenic	2.5	<2.0	<2.5	<3.3	
Barium	235	238	235	227	
Beryllium	<4.0	<4.0	<4.0	0.22	
Cadmium	<5.0	<5.0	<5.0	<0.50	
Calcium	73,200	74,200	72,200	72,600	67,100
Chromium	<10.0	<10.0	<10.0	1.7	
Cobalt	<10.0	<10.0	<10.0	<1.5	
Copper	<5.0	<5.0	<5.0	2.9	
Iron	<10.0	11.2	15.0	<36.2	-
Lead	<1.5	3.1	<2.0	<2.5	
Magnesium	19,600	19,800	19,500	19,500	17,300
Manganese	<2.5	<2.5	4.4	3.8	
Mercury	0.10	<0.10	<0.10	<0.10	
Nickel	<15.0	<15.0	<15.0	6.4	
Potassium	4,460	4,370	4,320	4,620	2,950
Selenium	<2.5	<2.0	<2.5	<4.0	
Silver	<5.0	<5.0	<5.0	<1.1	
Sodium	36,100	36,400	36,200	35,300	36,500
Thallium	<2.0	<2.0	<2.0	<5.6	
Vanadium	<10.0	<10.0	<10.0	3.0	
Zinc	5.1	6.9	8.8	17.7	
RADIONUCLIDES (pCi/L)					
^{3}H	3,410	3,270	2,990	3,250	3,030+/-219
^{90}Sr	6.11	5.52	7.12	4.11	3.84+/-0.45
^{137}Cs	<2.54	<3.1	<3.1	<2.98	
Gross Alpha	3.25	3.48	<1.61	6.61	-
Gross Beta	-	-	-	-	
OTHER					
pH	-	-	-	-	8
Dissolved Oxygen (mg/L)	-	-	-	-	0.13
Orthophosphate	-	-	0.03	-	
Alkalinity (mg/L)	-	-	174	-	166*
Specific Conductance (mS/cm)	-	-	-	-	0.72
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)					47.5*
Oxidation Reduction Potential (mV)					166
* Estimated using onsite field test kit analytical methods					

TAN 33

DATA SOURCE:	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	INEEL
ANALYTE\DATE	2/6/97	7/1/97	9/25/97	7/2/98	10/5/98	10/5/98	7/8/99	6/26/00
VOCs								1WS01201VA
PCE (μg/L)	43	<50	53	56	58	55	37	36.30
TCE (μg/L)	570	910	700	800	820	820	640	410.9
cis-1,2-DCE (μg/L)	38	4	44	39	53	47	48	32.20
trans-1,2-DCE (μg/L)	14	18	19	22	20	16	14	14.02
total-1,2-DCE (μg/L)	-	-	-	-	-	-		
vinyl chloride (μg/L)							<5	2 U
Ethene (μg/L)	-	<12	-	-	-	-	<2	
Ethane (μg/L)	-	<12	-	-	-	-	<2	
Methane (μg/L)	-	<7	-	-	-	-	<1	
Hydrogen Sulfide	-	<0.8	-	-	-	-	-	
ANIONS								
Nitrate (mg/L)	-	-	-	9.3	-	-	1.9	
Nitrite (mg/L)	-	-	-	<0.2	-	-		
Nitrate/Nitrite (mg/L)	-	2.6	-	-	-	-		
Sulfate (mg/L)	-	-	-	31.7	-	-	31.9	
Chloride (mg/L)	-	-	-	79.9	-	-	74	
Phosphate (mg/L)							<0.75	
METALS (ug/L)								
Aluminum	<50.0	<50.0	106	<24.7	-	-	<15.6	
Antimony	<50.0	<50.0	<50.0	<3.6	-	-		
Arsenic	2.3	2.7	<2.5	6.5	-	-		
Barium	192	198	200	199	-	-		
Beryllium	<4.0	<4.0	<4.0	0.11	-	-		
Cadmium	<5.0	<5.0	<5.0	0.48	-	-		
Calcium	70,400	72,000	73,800	74,800	-	-	77,000	
Chromium	<10.0	<10.0	<10.0	<5.6	-	-		
Cobalt	<10.0	<10.0	<10.0	2	-	-		
Copper	<5.0	<5.0	<5.0	2.6	-	-		
Iron	19.4	21.8	15.6	32.1	-	-	-	
Lead	10.4	4.4	2.9	3.6	-	-		
Magnesium	18,100	18,600	18,300	19,700	-	-	19,300	
Manganese	<2.5	<2.5	<2.5	0.33	-	-		
Mercury	0.20	<0.10	<0.20	<0.10	-	-		
Nickel	<15.0	<15.0	<15.0	3.3	-	-		
Potassium	3,350	3,050	3,680	3,560	-	-	1,540	
Selenium	<2.5	2.7	<2.5	6.8	-	-		
Silver	<5.0	<5.0	<5.0	<4.6	-	-		
Sodium	26,400	24,500	24,500	24,600	-	-	26,000	
Thallium	<2.0	<2.0	<2.0	<0.90	-	-		
Vanadium	<10.0	<10.0	<10.0	4.3	-	-		
Zinc	72.0	231	134	229	-	-		
RADIONUCLIDES (pCi/L)								1WS01201R8
^{3}H	5,350	4,370	3,990	4,220	2,800	3,040	3490+/-246	3,320+/-251
^{90}Sr	<0.12	<0.15	<0.228	-	-	-	<0.632	
^{137}Cs	<5.02	<6.16	<9.3	-	-	-		
Gross Alpha	1.15	1.49	<1.54	-	-	-	-	
Gross Beta	-	-	-	-	-	-		
OTHER								
pH	-	-	-	-	-	-	8.08	7.68
Dissolved Oxygen (mg/L)	-	-	-	-	-	-	6.73	
Orthophosphate	-	0.02	-	<1.0	-	-		
Alkalinity (mg/L)	-	166	-	167	-	-	155*	
Specific Conductance (mS/cm)	-	-	-	-	-	-	0.647	
Total Dissolved Solids (mg/L)	-	-	-	410	-	-	-	
Ammonia Nitrogen (mg/L)	-	-	-	0.069	<0.01	-	0	
Total Organic Carbon (mg/L)	-	-	-	<0.50	<0.40	-		
Chemical Oxygen Demand (mg/L)	-	-	-	<5.0	<14.0	-	-	
Biochemical Oxygen Demand (mg/L)	-	-	-	-	-	-		
Carbon Dioxide (mg/L)							42.9*	
Oxidation Reduction Potential (mV)							341	
* Estimated using onsite field test kit analytical methods								
U = Non-detect								

TAN 34

		DUP		DUP	
DATA SOURCE:	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO
ANALYTE\DATE	1/30/97	1/30/97	3/26/97	3/26/97	6/5/99
VOCs					
PCE (μg/L)	24	24	21	23	7
TCE (μg/L)	390	380	400	400	180
cis-1,2-DCE (μg/L)	54	53	59	60	21
trans-1,2-DCE (μg/L)	19	18	22	22	8
total-1,2-DCE (μg/L)	-	-	-	-	
vinyl chloride (μg/L)					<5
Ethene (μg/L)	-	-	-	-	<2
Ethane (μg/L)	-	-	-	-	<2
Methane (μg/L)	-	-	-	-	<1
Hydrogen Sulfide	-	-	-	-	-
ANIONS					
Nitrate (mg/L)	-	-	-	-	4
Nitrite (mg/L)	-	-	-	-	
Nitrate/Nitrite (mg/L)	-	-	-	-	
Sulfate (mg/L)	-	-	-	-	38.2
Chloride (mg/L)	-	-	-	-	91
Phosphate (mg/L)					<0.75
METALS (ug/L)					
Aluminum	<50.0	<50.0	<50.0	<50.0	15.8
Antimony	<50.0	<50.0	<50.0	<50.0	
Arsenic	3.0	2.5	2.2	<2.0	
Barium	205	205	211	219	
Beryllium	<4.0	<4.0	<4.0	<4.0	
Cadmium	<5.0	<5.0	<5.0	<5.0	
Calcium	68,600	68,900	68,800	72,000	69,700
Chromium	<10.0	<10.0	<10.0	<10.0	
Cobalt	<10.0	<10.0	<10.0	<10.0	
Copper	<5.0	<5.0	<5.0	<5.0	
Iron	12.2	<10.0	93.8	56.4	
Lead	5.6	2.2	2.2	4.1	
Magnesium	18,800	19,000	18,900	19,700	18,600
Manganese	<2.5	<2.5	3.6	3.3	
Mercury	0.10	<0.10	<0.10	<0.10	
Nickel	<15.0	<15.0	<15.0	<15.0	
Potassium	4,620	4,520	4,620	5,060	4,400
Selenium	<2.5	<2.5	<2.0	<2.0	
Silver	<5.0	<5.0	<5.0	<5.0	
Sodium	39,000	39,300	39,500	41,200	45,100
Thallium	<2.0	<2.0	<2.0	<2.0	
Vanadium	<10.0	<10.0	<10.0	<10.0	
Zinc	8.0	6.5	8.2	11.4	
RADIONUCLIDES (pCi/L)					
^{3}H	4,420	4,160	4,130	4,290	4,060+/-592
^{90}Sr	1.2	0.812	0.906	<0.276	1.11+/-0.20
^{137}Cs	5.4	<6.08	<4.9	<8.46	
Gross Alpha	2.85	3.69	2.33	3.84	-
Gross Beta	-	-	-	-	
OTHER					
pH	-	-	-	-	7.19
Dissolved Oxygen (mg/L)	-	-	-	-	0.68
Orthophosphate	-	-	-	-	
Alkalinity (mg/L)	-	-	-	-	208*
Specific Conductance (mS/cm)	-	-	-	-	0.737
Total Dissolved Solids (mg/L)	-	-	-	-	-
Ammonia Nitrogen (mg/L)	-	-	-	-	2*
Total Organic Carbon (mg/L)	-	-	-	-	
Chemical Oxygen Demand (mg/L)	-	-	-	-	-
Biochemical Oxygen Demand (mg/L)	-	-	-	-	
Carbon Dioxide (mg/L)					20.4*
Oxidation Reduction Potential (mV)					193
* Estimated using onsite field test kit analytical methods					

				DUP		
DATA SOURCE:	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO
ANALYTE\DATE	1/31/97	3/27/97	6/30/97	6/30/97	2/18/98	6/16/99
VOCs						
PCE (μg/L)	20	18	15	12	23	4
TCE (μg/L)	390	400	500	440	460	120
cis-1,2-DCE (μg/L)	57	64	30	26	73	13
trans-1,2-DCE (μg/L)	20	24	27	24	31	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)	-	-	-	-	-	2.2
Nitrite (mg/L)	-	-	-	-	-	
Nitrate/Nitrite (mg/L)	-	-	2.32	-	-	
Sulfate (mg/L)	-	-	46.2	-	-	38.4
Chloride (mg/L)	-	-	97.4	-	-	90.8
Phosphate (mg/L)						<0.75
METALS (ug/L)						
Aluminum	<50.0	<50.0	102	-	<16.5	49.2
Antimony	<50.0	<50.0	<50.0	-	5.6	
Arsenic	3.2	<2.0	3.6	-	<3.3	
Barium	236	238	233	-	233	
Beryllium	<4.0	<4.0	<4.0	-	<0.20	
Cadmium	<5.0	<5.0	<5.0	-	<0.50	
Calcium	70,700	70,600	68,700	-	71,400	68,200
Chromium	<10.0	<10.0	<10.0	-	1.6	
Cobalt	<10.0	<10.0	<10.0	-	<1.5	
Copper	<5.0	<5.0	<5.0	-	2.6	
Iron	<10.0	14.2	58.1	-	<36.2	-
Lead	3.4	2.1	5.9	-	<2.5	
Magnesium	19,000	19,000	18,800	-	19,300	18,000
Manganese	<2.5	<2.5	3.5	-	0.79	
Mercury	<0.10	<0.10	<0.10	-	<0.10	
Nickel	<15.0	<15.0	<15.0	-	6.4	
Potassium	4,960	4,720	4,790	-	5,160	3,610
Selenium	<2.5	<2.0	<2.5	-	4.2	
Silver	<5.0	<5.0	<5.0	-	<1.1	
Sodium	43,800	43,500	42,600	-	40,000	49,000
Thallium	<2.0	<2.0	<2.0	-	<5.6	
Vanadium	<10.0	<10.0	<10.0	-	3.3	
Zinc	7.3	7.5	8.6	-	4.3	
RADIONUCLIDES (pCi/L)						
^{3}H	4,160	3,890	4,260	-	3,830	4,000+/-585
^{90}Sr	1.95	1.76	1.45	1.3	1.89	2.25+/-0.29
^{137}Cs	<5.0	<3.0	<6.3	6.2	<3.05	
Gross Alpha	3.26	3.18	2.31	6.54	6.27	-
Gross Beta	-	-	-	-	-	
OTHER						
pH	-	-	-	-	-	7.1
Dissolved Oxygen (mg/L)	-	-	-	-	-	1.43
Orthophosphate	-	-	0.03	-	-	
Alkalinity (mg/L)	-	-	177	-	-	149*
Specific Conductance (mS/cm)	-	-	-	-	-	0.752
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)						293
* Estimated using onsite field test kit analytical methods						

TAN 36

DATA SOURCE:	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO
ANALYTE\DATE	2/5/97	3/19/97	6/17/97	9/22/97	6/28/99
VOCs					
PCE (μg/L)	35	30	23	25	21
TCE (μg/L)	490	540	470	440	530
cis-1,2-DCE (μg/L)	31	50	34	28	58
trans-1,2-DCE (μg/L)	11	19	18	11	22
total-1,2-DCE (μg/L)	-	-	-	-	
vinyl chloride (μg/L)					<5
Ethene (μg/L)	-	-	<12	-	<2
Ethane (μg/L)	-	-	<12	-	<2
Methane (μg/L)	-	-	1	-	6
Hydrogen Sulfide	-	-	<0.8	-	-
ANIONS					
Nitrate (mg/L)	-	-	-	-	1.3
Nitrite (mg/L)	-	-	-	-	
Nitrate/Nitrite (mg/L)	-	-	1.5	-	
Sulfate (mg/L)	-	-	36.4	-	33.7
Chloride (mg/L)	-	-	87.3	-	85.2
Phosphate (mg/L)					<0.75
METALS (ug/L)					
Aluminum	<50.0	<50.0	<50.0	72.3	<15.6
Antimony	<50.0	<50.0	<50.0	<50.0	
Arsenic	2.9	<2.0	2.9	<2.5	
Barium	180	190	200	203	
Beryllium	<4.0	<4.0	<4.0	<4.0	
Cadmium	<5.0	<5.0	<5.0	<5.0	
Calcium	70,300	71,500	69,300	71,200	77,800
Chromium	<10.0	<10.0	<10.0	<10.0	
Cobalt	<10.0	<10.0	<10.0	<10.0	
Copper	<5.0	<5.0	<5.0	<5.0	
Iron	<10.0	21.2	44.5	17.7	-
Lead	2.8	3.5	3.3	<2.0	
Magnesium	19,300	19,400	18,400	18,400	19,700
Manganese	193	156	131	101	
Mercury	0.10	<0.10	<0.10	<0.20	
Nickel	<15.0	<15.0	<15.0	<15.0	
Potassium	3,880	3,900	3,450	3,780	3,220
Selenium	<2.5	<2.0	<2.5	<2.5	
Silver	<5.0	<5.0	<5.0	<5.0	
Sodium	32,700	35,200	36,600	36,500	41,600
Thallium	<2.0	<2.0	<4.0	<2.0	
Vanadium	<10.0	<10.0	<10.0	<10.0	
Zinc	5.6	6.2	6.5	11.5	
RADIONUCLIDES (pCi/L)					
^{3}H	5,520	5,470	4,720	4,720	4,100+/-297
^{90}Sr	<0.123	<0.24	<0.22	<0.22	<0.679
^{137}Cs	<6.32	<5.48	<2.78	<7.46	
Gross Alpha	1.84	<1.24	<1.28	<2.26	-
Gross Beta	-	-	-	-	
OTHER					
pH	-	-	-	-	7.5
Dissolved Oxygen (mg/L)	-	-	-	-	1.43
Orthophosphate	-	-	-	-	
Alkalinity (mg/L)	-	-	176	-	160*
Specific Conductance (mS/cm)	-	-	-	-	0.726
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)					35.5*
Oxidation Reduction Potential (mV)					250

* Estimated using onsite field test kit analytical methods

TAN 37

DATA SOURCE:	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO
ANALYTE\DATE	2/23/98	5/7/98	7/2/98	10/5/98	10/5/98	6/21/99
VOCs						
PCE (μg/L)	12	14	17	12	12	1
TCE (μg/L)	710	550	930	860	830	420
cis-1,2-DCE (μg/L)	159	81	190	180	200	420
trans-1,2-DCE (μg/L)	108	50	130	100	110	100
total-1,2-DCE (μg/L)	-	-	-	-	-	
vinyl chloride (μg/L)						9
Ethane (μg/L)	-	-	-	-	-	<2
Ethene (ug/L)	-	-	-	-	-	<2
Methane (μg/L)	-	-	-	-	-	91
Hydrogen Sulfide	-	-	-	-	-	0.7
ANIONS						
Nitrate (mg/L)	-	-	9.7	-	-	0.2
Nitrite (mg/L)	-	-	<0.2	-	-	
Nitrate/Nitrite (mg/L)	-	-	-	-	-	
Sulfate (mg/L)	-	-	40.9	-	-	21.7
Chloride (mg/L)	-	-	89	-	-	77.9
Phosphate (mg/L)						<0.75
METALS						
Aluminum	<16.5	33.6	<24.7	-	-	25.5
Antimony	<3.0	<3.0	<3.6	-	-	
Arsenic	<3.3	<3.3	<2.6	-	-	
Barium	188	176	187	-	-	
Beryllium	0.29	<0.20	<0.10	-	-	
Cadmium	<0.50	<0.50	1.5	-	-	
Calcium	67,500	70,800	66,700	-	-	76,600
Chromium	<1.1	<1.1	<5.6	-	-	
Cobalt	<1.5	<1.5	1.1	-	-	
Copper	4.6	3.5	5	-	-	
Iron	<36.2	<36.2	18.6	-	-	0.37*
Lead	<2.5	<2.5	6.1	-	-	
Magnesium	21,500	21,800	21,100	-	-	
Manganese	1.1	0.62	1.8	-	-	24,800
Mercury	<0.10	<0.10	<0.10	-	-	
Nickel	5.9	2.4	4.7	-	-	
Potassium	4,970	4,760	4,830	-	-	5,170
Selenium	<4.0	<4.0	<3.6	-	-	
Silver	<1.1	<1.1	<4.6	-	-	
Sodium	41,500	35,100	44,200	-	-	60,500
Thallium	<5.6	<5.6	<0.90	-	-	
Vanadium	5.0	3.9	5.7	-	-	
Zinc	6.0	10.6	6	-	-	
RADIONUCLIDES (pCi/L)						
^{3}H	4,150	3,590	3,390	4,280	4,980	3,400+/-257
^{90}Sr	152	82.6	168	-	-	256+/-23
^{241}Am	-	-	-	-	-	<56.6
^{137}Cs	<3.32	<3.30	<3.54	-	-	<14.6
Gross Alpha	12.1	<1.7	11.4	-	-	4.78+/-0.74
Gross Beta	-	-	-	-	-	
^{235}U						<46.1
^{60}Co						<16.9
OTHER						
pH	-	-	-	-	-	8.3
Dissolved Oxygen (mg/L)	-	-	-	-	-	0.29
Orthophosphate	-	-	<1.0	-	-	
Alkalinity (mg/L)	-	-	181	-	-	249*
Specific Conductance (mS/cm)	-	-	-	-	-	0.741
Total Dissolved Solids (mg/L)	-	-	460	-	-	492
Ammonia Nitrogen (mg/L)	-	-	0.44	0.47	-	2*
Total Organic Carbon (mg/L)	-	-	0.66	1.2	-	
Chemical Oxygen Demand (mg/L)	-	-	<5.0	<14.0	-	53*
Biochemical Oxygen Demand (mg/L)	-	-	-	-	-	
Carbon Dioxide (mg/L)						45.8*
Oxidation Reduction Potential (mV)						-104

* Estimated using onsite field test kit analytical methods

TAN 38

										DUP
DATA SOURCE:	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	INEEL	INEEL
ANALYTE\DATE	3/21/97	6/17/97	9/23/97	2/16/98	7/22/98	9/8/98	9/8/98	7/1/99	10/10/00	10/10/00
VOCs									1WS01101VA	
PCE (μg/L)	40	38	38	43	41	39	45	38	23.4	
TCE (μg/L)	510	790	740	800	810	890	930	860	576.6	
cis-1,2-DCE (μg/L)	32	48	63	54	69	78	85	68	48.18	
trans-1,2-DCE (μg/L)	12	28	27	26	31	32	37	34	20.27	
total-1,2-DCE (μg/L)	-	-	-	-	-	-	-			
vinyl chloride (μg/L)								<5	2 U	
Ethene (μg/L)	-	<12	-	-	-	-	-	<2		
Ethane (μg/L)	-	<12	-	-	-	-	-	<2		
Methane (μg/L)	-	1	-	-	-	-	-	<1		
Hydrogen Sulfide	-	0.6	-	-	-	-	-	-		
ANIONS										
Nitrate (mg/L)	-	-	-	-	8.8	-	-	<5		
Nitrite (mg/L)	-	-	-	-	<0.2	-	-			
Nitrate/Nitrite (mg/L)	-	2.26	-	-	-	-	-			
Sulfate (mg/L)	-	40	-	-	36.5	-	-	31.9		
Chloride (mg/L)	-	81.9	-	-	82.3	-	-	75.3		
Phosphate (mg/L)								<0.75		
METALS (ug/L)										
Aluminum	<50.0	68.6	<50.0	21.6	<24.7	-	-	22.1		
Antimony	<50.0	<50.0	<50.0	<3.0	<3.6	-	-			
Arsenic	<2.0	3.4	<2.5	<3.3	<2.6	-	-			
Barium	162	170	203	199	202	-	-			
Beryllium	<4.0	<4.0	<4.0	0.28	<0.10	-	-			
Cadmium	<5.0	<5.0	<5.0	<0.50	<0.40	-	-			
Calcium	67,700	70,200	71,500	72,800	72,600	-	-	77,800		
Chromium	<10.0	<10.0	<10.0	3.8	<5.6	-	-			
Cobalt	<10.0	<10.0	<10.0	<1.5	1.2	-	-			
Copper	<5.0	<5.0	<5.0	1.7	2.3	-	-			
Iron	<10.0	36.2	<10.0	42.6	<13.6	-	-	-		
Lead	3.3	2.9	7.1	<2.5	<1.9	-	-			
Magnesium	18,100	18,100	17,700	19,200	19,200	-	-	19,900		
Manganese	2.6	3.1	<2.5	<0.20	<0.20	-	-			
Mercury	<0.10	<0.10	<0.20	<0.10	<0.10	-	-			
Nickel	<15.0	<15.0	<15.0	2.9	3.3	-	-			
Potassium	3,290	2,840	3,520	3,690	3,520	-	-	2,320		
Selenium	2.0	<2.5	<2.5	<4.0	<3.6	-	-			
Silver	<5.0	<5.0	<5.0	<1.1	<4.6	-	-			
Sodium	24,300	28,000	32,700	29,000	29,500	-	-	32,700		
Thallium	<2.0	<4.0	<2.0	<5.6	<0.90	-	-			
Vanadium	<10.0	<10.0	<10.0	2.7	3	-	-			
Zinc	7.0	6.1	10.5	5.0	6	-	-			
RADIONUCLIDES (pCi/L)									1WS01101R8	1WS01102R8
^{3}H	4,920	5,000	5,380	3,950	5,390	4,540	4,720	4240+/-291	4300+/-295	4500+/-307
^{90}Sr	<0.24	<0.22	<0.21	<0.498	<0.356	-	-	<1.03		
^{137}Cs	<6.66	-	<7.76	<2.79	-	-	-			
Gross Alpha	1.86	-	<1.86	3.10	-	-	-	-		
Gross Beta	-	-	-	-	-	-	-			
OTHER										
pH	-	-	-	-	-	-	-	7.68		
Dissolved Oxygen (mg/L)	-	-	-	-	-	-	-	5.05		
Orthophosphate	-	-	-	-	<1.0	-	-			
Alkalinity (mg/L)	-	168	-	-	163	-	-	157*		
Specific Conductance (mS/cm)	-	-	-	-	-	-	-	0.683		
Total Dissolved Solids (mg/L)	-	-	-	-	377	-	-	-		
Ammonia Nitrogen (mg/L)	-	-	-	-	0.048	0.01	-	0		
Total Organic Carbon (mg/L)	-	-	-	-	<0.50	0.49	-			
Chemical Oxygen Demand (mg/L)	-	-	-	-	18	<14.0	-	-		
Biochemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-			
Carbon Dioxide (mg/L)								31.8*		
Oxidation Reduction Potential (mV)								350		

* Estimated using onsite field test kit analytical methods

U = Non-detect

TAN 39

					DUP					
DATA SOURCE:	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	INEEL
ANALYTE\DATE	3/24/97	6/16/97	9/24/97	2/17/98	2/17/98	7/21/98	9/9/98	9/9/98	6/30/99	10/11/00
VOCs										1WS00901VA
PCE (μg/L)	40	46	51	44	43	39	49	52	36	42.18
TCE (μg/L)	600	930	250	880	860	860	900	980	630	660.5
cis-1,2-DCE (μg/L)	48	57	62	74	75	73	87	79	75	60.79
trans-1,2-DCE (μg/L)	19	36	27	36	34	32	36	44	38	25.31
total-1,2-DCE (μg/L)	-	-	-	-	-	-	-	-		
vinyl chloride (μg/L)									<5	2 U
Ethene (μg/L)	-	<12	-	-	-	-	-	-	<2	
Ethane (μg/L)	-	<12	-	-	-	-	-	-	<2	
Methane (μg/L)	-	1	-	-	-	-	-	-	<1	
Hydrogen Sulfide	-	1.1	-	-	-	-	-	-	-	
ANIONS										
Nitrate (mg/L)	-	-	-	-	-	6.5	-	-	1	
Nitrite (mg/L)	-	-	-	-	-	<0.2	-	-		
Nitrate/Nitrite (mg/L)	-	1.49	-	-	-	-	-	-		
Sulfate (mg/L)	-	51.8	-	-	-	38	-	-	35.1	
Chloride (mg/L)	-	94.3	-	-	-	95.2	-	-	80.1	
Phosphate (mg/L)									<0.75	
METALS (ug/L)										
Aluminum	<50.0	<50.0	61.6	<16.5	<16.5	<24.7	-	-	<15.6	
Antimony	<50.0	<50.0	<50.0	<3.0	<3.0	<3.6	-	-		
Arsenic	2.0	2.8	<2.5	<3.3	<3.3	<2.6	-	-		
Barium	172	173	175	181	175	187	-	-		
Beryllium	<4.0	<4.0	<4.0	0.29	<0.20	<0.10	-	-		
Cadmium	<5.0	<5.0	<5.0	<0.50	<0.50	<0.40	-	-		
Calcium	68,100	69,900	71,200	70,800	70,600	71,300	-	-	73,600	
Chromium	<10.0	<10.0	<10.0	1.8	1.6	<5.6	-	-		
Cobalt	<10.0	<10.0	<10.0	<1.5	<1.5	<0.60	-	-		
Copper	<5.0	<5.0	<5.0	1.6	1.5	1.9	-	-		
Iron	10.0	12.8	26.4	<36.2	<36.2	<13.6	-	-		
Lead	6.7	6.7	<2.0	<2.5	<2.5	<1.9	-	-		
Magnesium	18,400	18,600	18,700	19,800	19,300	19,500	-	-	19,700	
Manganese	<2.5	<2.5	<2.5	<0.20	<0.20	<0.20	-	-		
Mercury	<0.10	<0.10	<0.20	<0.10	<0.10	<0.10	-	-		
Nickel	<15.0	<15.0	<15.0	6.1	6.3	4.5	-	-		
Potassium	3,420	3,180	3,730	3,850	3,700	3,760	-	-	2,290	
Selenium	<20.0	<2.5	<2.5	<4.0	<4.0	<3.6	-	-		
Silver	<5.0	<5.0	<5.0	<1.1	<1.1	<4.6	-	-		
Sodium	26,100	27,400	28,800	28,500	27,500	29,800	-	-	33,900	
Thallium	<2.0	<4.0	<2.0	<5.6	<5.6	<0.90	-	-		
Vanadium	<10.0	<10.0	<10.0	2.4	2.8	2.1	-	-		
Zinc	6.9	8.7	12.6	4.1	4.3	10.9	-	-		
RADIONUCLIDES (pCi/L)										1WS00901R8
^{3}H	6,270	5,750	5,910	5,390	5,890	5,970	5,330	5,500	5240+/-352	5300+/-369
^{90}Sr	<0.22	<0.236	<0.218	<0.603	<0.356	<0.432	-	-	<0.651	
^{137}Cs	<7.34	-	<9.02	<2.92	<2.89	-	-	-		
Gross Alpha	3.11	-	<1.58	2.78	4.54	-	-	-	-	
Gross Beta	-	-	-	-	-	-	-	-		
^{234}U										
^{60}Co									-	
OTHER										
pH	-	-	-	-	-	-	-	-	7.34	
Dissolved Oxygen (mg/L)	-	-	-	-	-	-	-	-	3.86	
Orthophosphate	-	-	-	-	-	<1.0	-	-		
Alkalinity (mg/L)	-	160	-	-	-	155	-	-	158*	
Specific Conductance (mS/cm)	-	-	-	-	-	-	-	-	0.691	
Total Dissolved Solids (mg/L)	-	-	-	-	-	389	-	-	-	
Ammonia Nitrogen (mg/L)	-	-	-	-	-	0.035	0.01	-	0	
Total Organic Carbon (mg/L)	-	-	-	-	-	0.73	<0.40	-		
Chemical Oxygen Demand (mg/L)	-	-	-	-	-	<5.0	<14.0	-	-	
Biochemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	-		
Carbon Dioxide (mg/L)									28.1*	
Oxidation Reduction Potential (mV)									296	
* Estimated using onsite field test kit analytical methods										
U = Non-detect										

TAN 40

				DUP						
DATA SOURCE:	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	INEEL
ANALYTE\DATE	3/28/97	6/16/97	9/29/97	9/29/97	1/21/98	7/20/98	8/6/98	10/6/98	6/9/99	10/12/00
VOCs										1WS00601VE
PCE (μg/L)	25	34	32	27	26	30	30	36	18	9.418
TCE (μg/L)	840	950	990	890	890	1,000	1,100	1,000	610	283.3
cis-1,2-DCE (μg/L)	100	100	120	110	110	110	110	130	37	28.26
trans-1,2-DCE (μg/L)	48	66	58	47	56	60	58	35	36	13.09
total-1,2-DCE (μg/L)	-	-	-	-	-	-	-	-		
vinyl chloride (μg/L)									<5	2 U
Ethene (μg/L)	-	<12	-	-	-	-	-	-	<2	
Ethane (μg/L)	-	<12	-	-	-	-	-	-	<2	
Methane (μg/L)	-	1.2	-	-	-	-	-	-	<1	
Hydrogen Sulfide	-	0.6	-	-	-	-	-	-	-	
ANIONS										
Nitrate (mg/L)	-	-	-	-	-	8.1	-	-	1.7	
Nitrite (mg/L)	-	-	-	-	-	<0.2	-	-		
Nitrate/Nitrite (mg/L)	-	1.81	-	-	-	-	-	-		
Sulfate (mg/L)	-	41.4	-	-	-	37.9	-	-	38.2	
Chloride (mg/L)	-	105	-	-	-	96.8	-	-	93.2	
Phosphate (mg/L)									<0.75	
METALS (ug/L)										
Aluminum	<50.0	<50.0	<50.0	<50.0	<16.5	<24.7	-	-	50.7	
Antimony	<50.0	<50.0	<50.0	<50.0	<3.0	<3.6	-	-		
Arsenic	<2.0	<2.5	<2.5	<2.5	<3.3	<2.6	-	-		
Barium	220	31.2	223	213	228	222	-	-		
Beryllium	<4.0	<4.0	<4.0	<4.0	0.30	<0.10	-	-		
Cadmium	<5.0	<5.0	<5.0	<5.0	<0.50	<0.40	-	-		
Calcium	69,800	71,200	71,200	67,900	70,900	68,200	-	-	72,200	
Chromium	<10.0	<10.0	<10.0	<10.0	<1.1	<5.6	-	-		
Cobalt	<10.0	<10.0	<10.0	<10.0	<1.5	0.64	-	-		
Copper	<5.0	<5.0	<5.0	<5.0	2.7	2.4	-	-		
Iron	18.3	12.8	11.8	17.3	<36.2	23.1	-	-	-	
Lead	3.7	4.3	<2.0	<2.0	<2.5	<1.9	-	-		
Magnesium	18,400	18,300	18,100	17,300	19,100	19,600	-	-	18,800	
Manganese	<2.5	<2.5	<2.5	<2.5	<0.20	<0.20	-	-		
Mercury	<0.10	<0.10	<0.20	<0.20	<0.10	<0.10	-	-		
Nickel	<15.0	<15.0	<15.0	<15.0	4.7	4.2	-	-		
Potassium	4,110	4,090	4,360	4,780	4,640	4,430	-	-	2,730	
Selenium	<2.0	<12.5	<2.5	<2.5	<4.0	<3.6	-	-		
Silver	<5.0	<5.0	<5.0	<5.0	<1.1	<4.6	-	-		
Sodium	44,100	43,700	43,300	41,300	41,900	41,800	-	-	46,700	
Thallium	<2.0	<20.0	<2.0	<2.0	<5.6	<0.90	-	-		
Vanadium	<10.0	<10.0	<10.0	<10.0	2.5	2.9	-	-		
Zinc	9.8	6.7	7.1	6.2	4.5	8.8	-	-		
RADIONUCLIDES (pCi/L)										1WS00601R8
^{3}H	6,060	5,470	5,640	5,660	5,550	5,990	5,280	4,760	4410+/-634	4230+/-290
^{90}Sr	<0.238	<0.234	<0.23	<0.23	<0.697	<0.311	-	-	<0.493	
^{137}Cs	<6.24	-	<8.32	<7.16	<2.72	-	-	-		
Gross Alpha	2.64	-	<1.84	3.3	2.93	-	-	-		
Gross Beta	-	-	-	-	-	-	-	-		
^{234}U										
^{60}Co										
OTHER										
pH	-	-	-	-	-	-	-	-	7.28	
Dissolved Oxygen (mg/L)	-	-	-	-	-	-	-	-	0	
Orthophosphate	-	-	-	-	-	<1.0	-	-		
Alkalinity (mg/L)	-	176	-	-	-	159	-	-	170*	
Specific Conductance (mS/cm)	-	-	-	-	-	-	-	-	0.75	
Total Dissolved Solids (mg/L)	-	-	-	-	-	417	-	-	-	
Ammonia Nitrogen (mg/L)	-	-	-	-	-	0.046	-	0.01	0	
Total Organic Carbon (mg/L)	-	-	-	-	-	<0.50	-	<0.40		
Chemical Oxygen Demand (mg/L)	-	-	-	-	-	16	-	<14.0	-	
Biochemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	-		
Carbon Dioxide (mg/L)									30*	
Oxidation Reduction Potential (mV)									223	

* Estimated using onsite field test kit analytical methods

U = Non-detect

DATA SOURCE:	LMITCO
ANALYTE\DATE	1/22/98
VOCs	
PCE (μg/L)	28
TCE (μg/L)	680
cis-1,2-DCE (μg/L)	88
trans-1,2-DCE (μg/L)	48
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)	-
Chloride (mg/L)	-
METALS (ug/L)	
Aluminum	<16.5
Antimony	<3.0
Arsenic	<3.3
Barium	211
Beryllium	0.20
Cadmium	<0.50
Calcium	69,800
Chromium	<1.1
Cobalt	<1.5
Copper	2.6
Iron	46.0
Lead	<2.5
Magnesium	19,000
Manganese	0.48
Mercury	<0.10
Nickel	6.5
Potassium	4,680
Selenium	<4.0
Silver	<1.1
Sodium	40,700
Thallium	<5.6
Vanadium	2.6
Zinc	8.5
RADIONUCLIDES (pCi/L)	
^{3}H	5,570
^{90}Sr	<0.668
^{137}Cs	<3.11
Gross Alpha	5.16
Gross Beta	-
OTHER	
pH	-
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)	-

DATA SOURCE:	LMITCO
ANALYTE\DATE	1/20/98
VOCs	
PCE (μg/L)	34
TCE (μg/L)	910
cis-1,2-DCE (μg/L)	96
trans-1,2-DCE (μg/L)	48
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)	-
Chloride (mg/L)	-
METALS (ug/L)	
Aluminum	<16.5
Antimony	4.2
Arsenic	4.2
Barium	240
Beryllium	0.28
Cadmium	<0.50
Calcium	72,000
Chromium	1.8
Cobalt	<1.5
Copper	1.9
Iron	<36.2
Lead	<2.5
Magnesium	18,800
Manganese	0.73
Mercury	<0.10
Nickel	4.9
Potassium	4,010
Selenium	<4.0
Silver	<1.1
Sodium	35,300
Thallium	<5.6
Vanadium	2.6
Zinc	4.6
RADIONUCLIDES (pCi/L)	
^{3}H	4,540
^{90}Sr	<0.732
^{137}Cs	<3.24
Gross Alpha	3.42
Gross Beta	-
OTHER	
pH	-
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)	-

DATA SOURCE:	LMITCO
ANALYTE\DATE	1/20/98
VOCs	
PCE (μg/L)	35
TCE (μg/L)	750
cis-1,2-DCE (μg/L)	68
trans-1,2-DCE (μg/L)	31
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)	-
Chloride (mg/L)	-
METALS (ug/L)	
Aluminum	23.9
Antimony	<3.0
Arsenic	<3.3
Barium	196
Beryllium	0.23
Cadmium	<0.50
Calcium	72,000
Chromium	1.6
Cobalt	<1.5
Copper	1.7
Iron	157
Lead	<2.5
Magnesium	19,300
Manganese	1.7
Mercury	<0.10
Nickel	5.8
Potassium	3,880
Selenium	<4.0
Silver	<1.1
Sodium	32,300
Thallium	<5.6
Vanadium	2.7
Zinc	4.2
RADIONUCLIDES (pCi/L)	
^{3}H	5,150
^{90}Sr	<0.599
^{137}Cs	<2.96
Gross Alpha	2.19
Gross Beta	-
OTHER	
pH	-
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)	-

DATA SOURCE:	LMITCO
ANALYTE\DATE	1/22/98
VOCs	
PCE (μg/L)	42
TCE (μg/L)	770
cis-1,2-DCE (μg/L)	49
trans-1,2-DCE (μg/L)	22
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)	-
Chloride (mg/L)	-
METALS (ug/L)	
Aluminum	26.5
Antimony	<3.0
Arsenic	<3.3
Barium	193
Beryllium	0.35
Cadmium	<0.50
Calcium	70,500
Chromium	2.8
Cobalt	<1.5
Copper	1.4
Iron	118
Lead	<2.5
Magnesium	18,500
Manganese	1.6
Mercury	<0.10
Nickel	3.4
Potassium	3,490
Selenium	<4.0
Silver	<1.1
Sodium	28,800
Thallium	<5.6
Vanadium	2.5
Zinc	5.7
RADIONUCLIDES (pCi/L)	
^{3}H	4,310
^{90}Sr	<0.609
^{137}Cs	<2.75
Gross Alpha	3.93
Gross Beta	-
OTHER	
pH	-
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)	-

TAN 47

DATA SOURCE:	INEEL	INEEL	INEEL
ANALYTE\DATE	7/10/00	7/18/00	8/15/00
VOCs	1WS02901VA	1WS03001VA	1WS03101VA
PCE (μg/L)	1.593	1.306	0.7780 J
TCE (μg/L)	3.512	2.468	1.816
cis-1,2-DCE (μg/L)	0.5 U	0.5 U	0.5 U
trans-1,2-DCE (μg/L)	0.5 U	0.5 U	0.5 U
total-1,2-DCE (μg/L)			
vinyl chloride (μg/L)	2 U	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)	1WS02901R8	1WS03001R8	1WS03101R8
^{3}H	<272	<331	<294
^{90}Sr			
^{137}Cs			
Gross Alpha			
Gross Beta			
^{234}U			
^{60}Co			
OTHER			
pH	7.72	7.78	7.71
Dissolved Oxygen (mg/L)			11.26
Orthophosphate			
Alkalinity (mg/L)			
Specific Conductance (mS/cm)			0.434
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)			15
* Estimated using onsite field test kit analytical methods			
U = Non-detect			
J = Estimated Value			

TAN 48

										DUP
DATA SOURCE:	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	INEEL	INEEL	INEEL	INEEL
ANALYTE\DATE	5/6/98	7/15/98	7/15/98	8/10/98	10/12/98	7/12/99	6/19/00	7/19/00	8/7/00	8/7/00
VOCs							1WS01601VA	1WS01701VA	1WS01801VA	1WS01802VA
PCE (µg/L)	36	29	31	35	39	26	30.14	29.62	23.6	24.91
TCE (µg/L)	550	490	480	630	600	460	312.7	460.7	413.4	404.1
cis-1,2-DCE (µg/L)	42	29	32	36	41	36	25.63	25.53	32.96	32.03
trans-1,2-DCE (µg/L)	< 62	12	< 12	16	14	9	10.76	11.82	13.85	14.49
total-1,2-DCE (µg/L)	-	-	-	-	-					
vinyl chloride (µg/L)						<5		40 U	40 U	40 U
Ethene (µg/L)	-	-	-	-	-	<2				
Ethane (µg/L)	-	-	-	-	-	<2				
Methane (µg/L)	-	-	-	-	-	<1				
Hydrogen Sulfide	-	-	-	-	-	-				
ANIONS										
Nitrate (mg/L)	-	9.8	9.1	-	-	1.8				
Nitrite (mg/L)	-	< 0.2	< 0.2	-	-					
Nitrate/Nitrite (mg/L)	-	-	-	-	-					
Sulfate (mg/L)	-	34.9	35.3	-	-	36.2				
Chloride (mg/L)	-	100	124	-	-	84				
Phosphate (mg/L)						<0.75				
METALS (ug/L)										
Aluminum	132	124	177	-	-	20.6				
Antimony	< 3.0	< 3.6	< 3.6	-	-					
Arsenic	< 3.3	< 2.6	< 2.6	-	-					
Barium	180	187	184	-	-					
Beryllium	< 0.20	< 0.10	< 0.10	-	-					
Cadmium	1.4	< 0.40	< 0.40	-	-					
Calcium	71600	70200	68900	-	-	74400				
Chromium	3.5	< 5.6	< 5.6	-	-					
Cobalt	< 1.5	0.99	< 0.60	-	-					
Copper	5.2	1.6	4	-	-					
Iron	223	420	441	-	-	-				
Lead	22.7	< 1.9	< 1.9	-	-					
Magnesium	19100	19100	18800	-	-	19400				
Manganese	9.5	10	10.7	-	-					
Mercury	< 0.10	< 0.10	< 0.10	-	-					
Nickel	2.4	4.2	4.2	-	-					
Potassium	3600	3620	3560	-	-	3120				
Selenium	< 4.0	< 3.6	< 3.6	-	-					
Silver	< 1.1	< 4.6	< 4.6	-	-					
Sodium	28000	28600	28200	-	-	30100				
Thallium	< 5.6	< 0.90	< 0.90	-	-					
Vanadium	2.0	2.8	2.7	-	-					
Zinc	20.1	7.3	7.8	-	-					
RADIONUCLIDES (pCi/L)							1WS01601R8	1WS01701R8	1WS01801R8	1WS01802R8
^{3}H	4050	4740	4490	3910	4420	3620+/-254	253+/-339	3340+/-254	3420+/-243	3270+/-234
^{90}Sr	< 1.0	< 0.335	< 0.365	-	-	-				
^{137}Cs	< 3.28	< 3.47	< 3.44	-	-					
Gross Alpha	< 1.03	3.51	3.91	-	-	-				
Gross Beta	-	-	-	-	-					
^{234}U										
^{60}Co										
OTHER										
pH	-	-	-	-	-	7.87	11	7.71	7.61	
Dissolved Oxygen (mg/L)	-	-	-	-	-	5.86			5.43	
Orthophosphate	-	< 1.0	< 1.0	-	-					
Alkalinity (mg/L)	-	149	147	-	-	149*				
Specific Conductance (mS/cm)	-	-	-	-	-	0.675			0.702	
Total Dissolved Solids (mg/L)	-	420	437	-	-	-				
Ammonia Nitrogen (mg/L)	-	0.039	0.028	-	< 0.01	0				
Total Organic Carbon (mg/L)	-	0.76	< 0.50	-	0.52					
Chemical Oxygen Demand (mg/L)	-	< 5.0	< 5.0	-	< 14.0	-				
Biochemical Oxygen Demand	-	-	-	-	-					
Carbon Dioxide (mg/L)						34.4*				
Oxidation Reduction Potential (mV)						319			-76	

* Estimated using on-site field test kit analytical methods

U = Non-detect

TAN 50

DATA SOURCE:	INEEL	INEEL	INEEL
ANALYTE\DATE	7/11/00	7/25/00	8/21/00
VOCs	1WS03201VA	1WS03301VA	1WS03401VA
PCE (μg/L)	3.210	4.595	4.858
TCE (μg/L)	21.43	19.92	22.58
cis-1,2-DCE (μg/L)	0.4905 J	0.5034	0.5 U
trans-1,2-DCE (μg/L)	0.5 U	0.5 U	0.5 U
total-1,2-DCE (μg/L)			
vinyl chloride (μg/L)	2 U	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)	1WS03201R8	1WS03301R8	1WS03401R8
^{3}H	<272	<330	<293
^{90}Sr			
^{137}Cs			
Gross Alpha			
Gross Beta			
^{234}U			
^{60}Co			
OTHER			
pH	7.68	7.77	7.78
Dissolved Oxygen (mg/L)			9.89
Orthophosphate			
Alkalinity (mg/L)			
Specific Conductance (mS/cm)			0.445
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)			6
* Estimated using onsite field test kit analytical methods			
U = Non-detect			
J = Estimated Value			

TAN 51

DATA SOURCE:	INEEL	INEEL	INEEL
ANALYTE\DATE	6/20/00	8/8/00	8/17/00
VOCs	1WS01901VA	1WS02001VA	1WS02101VA
PCE (µg/L)	29.36	23.89	30.57
TCE (µg/L)	192.1	204.9	200.6
cis-1,2-DCE (µg/L)	4.54	5.929	5 U
trans-1,2-DCE (µg/L)	1.366	5 U	5 U
total-1,2-DCE (µg/L)			
vinyl chloride (µg/L)	2 U	20 U	20 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)	1WS01901R8	1WS02001R8	1WS02101R8
^{3}H	1310+/-144	1390+/-130	1280+/-130
^{90}Sr			
^{137}Cs			
Gross Alpha			
Gross Beta			
^{234}U			
^{60}Co			
OTHER			
pH	7.67	7.7	7.72
Dissolved Oxygen (mg/L)		11.56	10.66
Orthophosphate			
Alkalinity (mg/L)			
Specific Conductance (mS/cm)		0.471	0.47
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)		-12	7
* Estimated using on-site field test kit analytical methods			
U = Non-detect			

TAN 52

DATA SOURCE:	INEEL	INEEL	INEEL
ANALYTE\DATE	6/27/00	8/9/00	8/23/00
VOCs	1WS02301VA	1WS02401VE	1WS02501VA
PCE (μg/L)	9.370	8.294	8.551
TCE (μg/L)	53.16	46.22	55.31
cis-1,2-DCE (μg/L)	0.8265	1.139	1.093
trans-1,2-DCE (μg/L)	0.2544 J	1 U	1 U
total-1,2-DCE (μg/L)			
vinyl chloride (μg/L)	2 U	4 U	4 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)	1WS02301R8	1WS02401R8	1WS02501R8
^{3}H	385+/-109	284+/-86.4	<293
^{90}Sr			
^{137}Cs			
Gross Alpha			
Gross Beta			
^{234}U			
^{60}Co			
OTHER			
pH	7.72	7.65	7.79
Dissolved Oxygen (mg/L)		10.04	10.1
Orthophosphate			
Alkalinity (mg/L)			
Specific Conductance (mS/cm)		0.418	0.421
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)		32	52
* Estimated using onsite field test kit analytical methods			
U = Non-detect			
J = Estimated Value			

TAN D1

						DUP				
DATA SOURCE:	USGS	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO
ANALYTE\DATE	3/2/89	3/2/89	12/7/89	10/31/90	6/3/92	6/3/92	10/14/92	3/29/94	6/28/94	10/13/94
VOCs										
PCE (μg/L)	9.2	6	23	19	27	24	41	35	31	28
TCE (μg/L)	44	39	150	140	220	190	250	120	230	190
cis-1,2-DCE (μg/L)	-	-	-	-	<10	3	<10	3	2	2
trans-1,2-DCE (μg/L)	0.9	-	-	-	<10	<10	<10	0.6	<10	<10
total-1,2-DCE (μg/L)	-	<5	2	2	-	-	-	-	-	-
vinyl chloride (μg/L)										
Ethene (μg/L)	-	-	-	-	-	-	-	-	-	-
Ethane (μg/L)	-	-	-	-	-	-	-	-	-	-
Methane (μg/L)	-	-	-	-	-	-	-	-	-	-
Hydrogen Sulfide	-	-	-	-	-	-	-	-	-	-
ANIONS										
Nitrate (mg/L)	1.2	-	0.744	0.582	0.561	0.563	0.61	-	-	-
Nitrite (mg/L)	<0.010	-	-	-	<0.02	<0.02	<0.02	-	-	-
Nitrate/Nitrite (mg/L)	-	-	-	-	-	-	-	-	-	-
Sulfate (mg/L)	39	-	33.9	26.0	31.9	30.3	29.1	-	-	-
Chloride (mg/L)	64	-	49.5	49.8	46.3	46.7	38.7	-	-	-
Phosphate (mg/L)										
METALS (ug/L)										
Aluminum	<10	-	-	199	<39	<39	<33	-	-	-
Antimony	-	<30.0	-	-	14.8	13	<7	-	-	-
Arsenic	<1	-	-	<2.0	<2	<2	<1	-	-	-
Barium	68	76	85	95	70	71	69.7	65	70	63.8
Beryllium	-	-	-	-	<4	<4	<4	-	-	-
Cadmium	<1.0	-	-	-	<4	<4	<5	-	-	-
Calcium	53,000	-	5,800	45,600	45,000	46,700	50,000	-	-	-
Chromium	3	-	-	-	<6	<6	<6	-	-	-
Cobalt	-	-	-	-	<12	<12	<11	-	-	-
Copper	-	42	-	21	<7	<7	<17	<5.0	<8.0	<12.0
Iron	30	-	356	3200	<119	<105	<120	-	-	-
Lead	<5.0	6.5	-	11.3	1.6	1.5	<2	<1.0	<1.0	<1.0
Magnesium	20,000	-	19,800	19,700	18,500	19,200	19,500	-	-	-
Manganese	3	-	23	35	13	11	<15.3	-	-	-
Mercury	-	<0.20	-	<0.11	<0.1	<0.1	<0.1	<0.10	<0.10	<0.10
Nickel	-	-	-	-	<9	<9	<11	-	-	-
Potassium	3,500	-	4,720	3,870	4,660	4,710	4,680	-	-	-
Selenium	2	<2.0	2.2	-	1	1	<2	-	-	-
Silver	4	<2.0	-	-	<1	<1	<1	-	-	-
Sodium	15,000	-	14,000	14,000	12,200	12,600	12,800	-	-	-
Thallium	-	3.0	-	-	<2	<2.4	<2	-	-	-
Vanadium	-	-	-	-	<15	<15	<15	-	-	-
Zinc	-	36	20	53	<14	<11	<15	10	<6.0	16.1
RADIONUCLIDES (pCi/L)										
^{3}H	-	-	2,000	1,900	3,000	3,200	2,490	2,600	2,600	2,300
^{90}Sr	-	-	<4.8	<2.0	<1.4	<4.2	NS	<4/ <4	<2.6/<2.0	<2
^{137}Cs	-	-	<30	<30	<30	<30	<30	<30	<30	<30
Gross Alpha	-	-	-	-	<3.0	<2.6	-	-	-	-
Gross Beta	-	-	-	-	9.8	9.3	-	-	-	-
OTHER										
pH	-	-	-	-	-	-	-	7.50	7.82	-
Dissolved Oxygen (mg/L)	-	-	-	-	-	-	-	-	-	-
Orthophosphate	<0.010	-	-	-	-	-	-	-	-	-
Alkalinity (mg/L)	-	-	124	119	126	122	122	-	-	-
Specific Conductance (mS/cm)	-	-	-	-	-	-	-	446	443	-
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 D1

	DUP				DUP	
DATA SOURCE:	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO
ANALYTE\DATE	10/13/94	11/28/95	8/23/96	10/6/97	10/6/97	6/14/99
VOCs						
PCE (μg/L)	-	-	27	5	-	17
TCE (μg/L)	-	-	190	110	-	170
cis-1,2-DCE (μg/L)	-	-	-	<2	-	5
trans-1,2-DCE (μg/L)	-	-	-	5	-	0.4
total-1,2-DCE (μg/L)	-	-	2	-	-	
vinyl chloride (μg/L)						<5
Ethene (μg/L)	-	-	<3	<1	<1	<2
Ethane (μg/L)	-	-	<3	<1	<1	<2
Methane (μg/L)	-	-	0.29	<1	<1	<1
Hydrogen Sulfide	-	-	<0.298	<0.05	<0.05	-
ANIONS						
Nitrate (mg/L)	-	-	-	-	-	0.9
Nitrite (mg/L)	-	-	-	-	-	
Nitrate/Nitrite (mg/L)	-	-	0.02	1.83	1.79	
Sulfate (mg/L)	-	-	<5.0	39.0	36.6	28.3
Chloride (mg/L)	-		<5.0	53.6	53.1	53.3
Phosphate (mg/L)						<0.75
METALS (ug/L)						
Aluminum	-	-	<50.0	<50.0	<50.0	23.5
Antimony	-	-	<50.0	<50.0	<50.0	
Arsenic	-	-	<2.0	<2.5	<2.5	
Barium	-	-	63.6	102	100	
Beryllium	-	-	<4.0	<4.0	<4.0	
Cadmium	-	-	<5.0	<5.0	<5.0	
Calcium	-	-	44,000	55,200	53,700	52,100
Chromium	-	-	<10.0	<10.0	<10.0	
Cobalt	-	-	<10.0	<10.0	<10.0	
Copper	-	-	<5.0	<5.0	<5.0	
Iron	-	-	77.6	86.9	110	-
Lead	-	-	<1.5	<2.0	<2.0	
Magnesium	-	-	18,200	18,300	17,800	19,500
Manganese	-	-	7.1	9.8	10.4	
Mercury	-	-	<0.10	<0.20	<0.20	
Nickel	-	-	<15.0	<15.0	<15.0	
Potassium	-	-	4,630	3,970	3,990	3,570
Selenium	-	-	<2.5	<2.5	<2.5	
Silver	-	-	, 5.0	<5.0	<5.0	
Sodium	-	-	10,800	20,500	20,000	1,880
Thallium	-	-	<2.0	<2.0	<2.0	
Vanadium	-	-	<10.0	<10.0	<10.0	
Zinc	-	-	<5.0	7.6	11.4	
RADIONUCLIDES (pCi/L)						
^{3}H	-	1,900	2,630	3,230	3,200	2990+/-467
^{90}Sr	<2	-	0.495	0.271	-	-
^{137}Cs	-	<30	-	-	-	
Gross Alpha	-	<3.4	-	-	-	-
Gross Beta	-	7.0	-	-	-	
OTHER						
pH	-	-	-	-	-	7.28
Dissolved Oxygen (mg/L)	-	-	-	-	-	3.26
Orthophosphate	-	-	0.02	<0.010	<0.010	
Alkalinity (mg/L)	-	118	247	157	156	126*
Specific Conductance (mS/cm)	-	496	-	-	-	0.503
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)						27*
Oxidation Reduction Potential (mV)						288

* Estimated using onsite field test kit analytical methods

TAN D2

						DUP				
DATA SOURCE:	USGS	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO
ANALYTE\DATE	3/6/89	3/6/89	12/11/89	10/18/90	6/4/92	6/4/92	10/13/92	3/18/94	6/30/94	10/14/94
VOCs										
PCE (μg/L)	11	10	11	8	7	6	8	3	6	8
TCE (μg/L)	180	170	660	240	260	190	220	90	150	130
cis-1,2-DCE (μg/L)	-	-	-	-	14	11	22	0.8	1	2
trans-1,2-DCE (μg/L)	1.2	-	-	-	7	6	3	0.4	0.9	<5
total-1,2-DCE (μg/L)	-	<5	85	14	-		-	-	-	-
vinyl chloride (μg/L)										
Ethene (μg/L)	-	-	-	-	-	-	-	-	-	-
Ethane (μg/L)	-	-	-	-	-	-	-	-	-	-
Methane (μg/L)	-	-	-	-	-	-	-	-	-	-
Hydrogen Sulfide	-	-	-	-	-	-	-	-	-	-
ANIONS										
Nitrate (mg/L)	2.29	-	3.188	2.86	2.673	2.8	2.05	-	-	-
Nitrite (mg/L)	0.01	-	-	-	<0.02	<0.02	<0.02	-	-	-
Nitrate/Nitrite (mg/L)	2.3	-	-	-	-	-	-	-	-	-
Sulfate (mg/L)	40	-	43.2	32.0	45.3	61.8	46	-	-	-
Chloride (mg/L)	120	-	81.0	140	113	15.6	103	-	-	-
Phosphate (mg/L)										
METALS (ug/L)										
Aluminum	10	-	243	328	<39	<39	788	-	-	-
Antimony	-	<30.0	-	-	11.4	13.2	<7	-	-	-
Arsenic	2	-	2.5	2.3	<2	<2	<2	-	-	-
Barium	240	286	312	280	249	239	261	205	241	210
Beryllium	-	-	-	-	<4	5	<4	-	-	-
Cadmium	<1.0	-	-	-	<6	<4	<8	-	-	-
Calcium	71,000	-	90,900	81,800	71,200	70,200	79,000	-	-	-
Chromium	5	-	-	-	<6	<6	<13	-	-	-
Cobalt	-	-	-	-	<12	<12	<11	-	-	-
Copper	-	73	25	150	<7	<7	<17	9	<8.0	<12.0
Iron	8	-	808	641	<25	<21	9,240	-	-	-
Lead	<5.0	10.2	8.4	515	3.2	8.2	<2	<1.0	3.1	<1.0
Magnesium	19,000	-	23,300	23,000	19,100	19,300	21,400	-	-	-
Manganese	17	-	64	66	31	29	245	-	-	-
Mercury	-	<0.20	-	-	<0.1	<0.1	<0.1	<0.10	<0.10	<0.10
Nickel	-	26	-	-	<9	<9	<11	-	-	-
Potassium	4,400	-	4,870	4,140	4,760	4,640	5,410	-	-	-
Selenium	<1	-	-	<2.0	1	1	<2	-	-	-
Silver	2	<2.0	-	-	<1	<1	<1	-	-	-
Sodium	57,000	-	72,900	68,600	67,200	33,100	71,400	-	-	-
Thallium	-	2.2	-	-	<2.1	<2.1	<1	-	-	-
Vanadium	-	15	-	-	<15	<15	<15	-	-	-
Zinc	-	72	44	225	<14	<13	<24	<8.0	<6.0	<12.0
RADIONUCLIDES (pCi/L)										
^{3}H	-	-	4,400	3,100	1,600	2,900	2,540	1,500	1,500	1,700
^{90}Sr	-	-	230	29	310	280	-	370 / 370	360 / 360	317
^{137}Cs	-	-	<30	<30	<116	<143	32.4	22.9	<30	23
Gross Alpha	-	-	-	-	11	11	-	-	-	-
Gross Beta	-	-	-	-	810	820	-	-	-	-
$^{230}Th/^{234}U$	-	-	-	-	-	-	-	-	-	-
^{235}U	-	-	-	-	-	-	-	-	-	-
^{238}U	-	-	-	-	-	-	-	-	-	-
^{60}Co										
OTHER										
pH	-	-	-	-	-	-	-	7.31	7.20	-
Dissolved Oxygen (mg/L)	-	-	-	-	-	-	-	-	-	-
Orthophosphate	0.06	-	-	-	-	-	-	-	-	-
Alkalinity (mg/L)	-	-	212	221	198	201	190	-	-	-
Specific Conductance (mS/cm)	-	-	-	-	-	-	-	788	826	-
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 D2

	DUP					
DATA SOURCE:	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO
ANALYTE\DATE	10/14/94	11/16/95	6/4/96	8/12/96	7/8/97	6/21/99
VOCs						
PCE (μg/L)	-	6	6	5	<5	2
TCE (μg/L)	-	92	300	200	60	56
cis-1,2-DCE (μg/L)	-	-	37	-	6	0.8
trans-1,2-DCE (μg/L)	-	-	27	-	5	<5
total-1,2-DCE (μg/L)	-	8	-	26	-	
vinyl chloride (μg/L)						<5
Ethene (μg/L)	-	-	-	<3	<12	<2
Ethane (μg/L)	-	-	-	<3	<12	<2
Methane (μg/L)	-	-	-	<2	<7	34
Hydrogen Sulfide	-	-	-	<0.298	<0.050	0
ANIONS						
Nitrate (mg/L)	-	-	-	-	-	1.6
Nitrite (mg/L)	-	-	-	-	-	
Nitrate/Nitrite (mg/L)	-	-	-	2.9	4.51	
Sulfate (mg/L)	-	-	-	44.3	53.4	39.1
Chloride (mg/L)	-	-	-	79.4	101	90.8
Phosphate (mg/L)						<0.75
METALS (ug/L)						
Aluminum	-	<43.0	-	147	<50.0	<15.6
Antimony	-	<4.0	-	<50.0	<50.0	
Arsenic	-	<2.0	-	<2.0	2.5	
Barium	-	237	-	187	191	
Beryllium	-	<4.0	-	<4.0	<4.0	
Cadmium	-	<4.0	-	<5.0	<5.0	
Calcium	-	71,100	-	60,100	61,000	67,500
Chromium	-	<4.0	-	<10.0	<10.0	
Cobalt	-	<14.0	-	<10.0	<10.0	
Copper	-	<6.0	-	<5.0	5.1	
Iron	-	<142	-	245	15.0	10*
Lead	-	<1.0	-	<1.5	2.6	
Magnesium	-	17,800	-	16,100	19,400	
Manganese	-	<4.0	-	9.8	2.5	18,200
Mercury	-	<0.10	-	<0.10	<0.10	
Nickel	-	<19.0	-	<15.0	<15.0	
Potassium	-	3,220	-	3,930	4,750	4,070
Selenium	-	<8.4	-	<2.5	2.9	
Silver	-	<1.0	-	<5.0	<5.0	
Sodium	-	57,100	-	68,000	56,100	53,200
Thallium	-	<2.7	-	<2.0	<2.0	
Vanadium	-	<14.0	-	<10.0	<10.0	
Zinc	-	17.1	-	13.6	14.3	
RADIONUCLIDES (pCi/L)						
^{3}H	-	1,400	-	2,510	4,320	915+/-127
^{90}Sr	307	269	212	-	307	113+/-10
^{137}Cs	-	<30	47	-	120	<19.5
Gross Alpha	-	-	6.2	-	6.77	5.58+/-0.78
Gross Beta	-	-	-	-	-	
$^{230}Th/^{234}U$	-	5.5	-	-	-	
^{235}U	-	<0.18	-	-	-	<45.3
^{238}U	-	0.92	-	-	-	
^{60}Co						<16.6
OTHER						
pH	-	-	-	-	-	7.26
Dissolved Oxygen (mg/L)	-	-	-	-	-	1.13
Orthophosphate	-	-	-	0.08	0.07	
Alkalinity (mg/L)	-	210	-	408	173	167*
Specific Conductance (mS/cm)	-	773	-	-	-	0.742
Total Dissolved Solids (mg/L)	-	-	-	-	-	428
Ammonia Nitrogen (mg/L)	-	-	-	-	-	0
Total Organic Carbon (mg/L)	-	-	-	-	-	
Chemical Oxygen Demand (mg/L)	-	-	-	-	-	2
Biochemical Oxygen Demand (mg/L)	-	-	-	-	-	
Carbon Dioxide (mg/L)						33.2*
Oxidation Reduction Potential (mV)						277

* Estimated using onsite field test kit analytical methods

TAN D3

			DUP						
DATA SOURCE:	USGS	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO
ANALYTE\DATE	12/13/89	12/13/89	12/13/89	11/13/90	4/29/92	11/4/92	8/27/96	10/6/97	7/6/99
VOCs									
PCE (μg/L)	<0.2	<5	<5	<5	<1	<1	<5	<5	<5
TCE (μg/L)	0.4	<5	<5	<5	<1	<0.2	<5	<5	4
cis-1,2-DCE (μg/L)	-	-	-	-	<1	<1	<5	<2	<5
trans-1,2-DCE (μg/L)	<0.2	-	-	-	<1	<1	<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	2.8	1.6
Hydrogen Sulfide	-	-	-	-	-	-	<0.298	<0.05	-
ANIONS									
Nitrate (mg/L)	0.94	1.13	1.11	0.841	0.883	0.99	-	-	0.9
Nitrite (mg/L)	<0.010	-	-	-	<0.02	<0.02	-	-	
Nitrate/Nitrite (mg/L)	-	-	-	-	-	-	1.1	2.09	
Sulfate (mg/L)	33	33.8	34.0	32.0	32.1	32.7	32.2	39.0	13.6
Chloride (mg/L)	12	12.3	12.4	13.0	12.6	12.7	13.9	12.9	39.4
Phosphate (mg/L)									<0.75
METALS (ug/L)									
Aluminum	20	-	-	81	<39	<33	<50.0	<50.0	<15.6
Antimony	-	-	-	<4.3	<7	<7	<50.0	<50.0	
Arsenic	2	-	-	2.1	<2	2.4	<2.0	2.5	
Barium	84	88	86	105	89	85.3	81.4	80.2	
Beryllium	-	-	-	-	<4	<4	<4.0	<4.0	
Cadmium	<1.0	-	-	-	<7	<5	<5.0	<5.0	
Calcium	51,000	53,900	54,500	54,800	53,000	52,700	49,600	48,300	50,400
Chromium	5	-	-	-	7	<6	<10.0	<10.0	
Cobalt	-	-	-	-	<12	<11	<10.0	<10.0	
Copper	-	-	-	-	8	<17	<5.0	<5.0	
Iron	5	347	343	204	3640	<52.3	411	467	-
Lead	2	6.8	4.5	5.4	<3.3	<2	<1.5	<2.0	
Magnesium	15,000	15,800	15,500	16,000	16,700	15,300	15,000	14,600	
Manganese	1	-	-	-	22	<3.3	4.5	6.1	15500
Mercury	<0.1	-	-	-	<0.1	<0.1	<0.10	<0.20	
Nickel	-	-	-	-	<9	<11	<15.0	<15.0	
Potassium	3,100	3,660	3,700	2,640	3,420	3,730	3,100	3,190	3,010
Selenium	2	1.3	1.1	<2.0	1	<10	<2.5	<2.5	
Silver	<1.0	-	-	-	<1	<1	<5.0	<5.0	
Sodium	7,400	7,490	7,430	8,330	7,520	7,280	6,970	6,760	7,710
Thallium	-	-	-	-	<1	<2	<2.0	<2.0	
Vanadium	-	-	-	<12.0	<15	<15	<10.0	<10.0	
Zinc	-	40	40	17	<56	<15	6.6	10.4	
RADIONUCLIDES (pCi/L)									
^{3}H	<26	<40	<220	<160	<280	<280	<200	<200	<257
^{90}Sr	-	<4	<4	<1.4	<2	<0.4	-	-	<0.595
^{137}Cs	-	<30	<30	<30	<30	<30	-	-	
Gross Alpha	-	-	-	-	5.8	-	-	-	-
Gross Beta	-	-	-	-	5.1	-	-	-	
^{60}Co									
OTHER									
pH	-	-	-	-	-	-	-	-	7.64
Dissolved Oxygen (mg/L)	-	-	-	-	-	-	-	-	7.39
Orthophosphate	<0.010	-	-	-	-	-	0.02	0.025	
Alkalinity (mg/L)	-	142	146	154	146	144	150	159	136*
Specific Conductance (mS/cm)	-	-	-	-	-	-	-	-	0.374
Total Dissolved Solids (mg/L)	-	-	-	-	-	-	-	-	238
Ammonia Nitrogen (mg/L)	-	-	-	-	-	-	-	-	0
Total Organic Carbon (mg/L)	-	-	-	-	-	-	-	-	
Chemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	-	-
Biochemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	-	
Carbon Dioxide (mg/L)									36.9
Oxidation Reduction Potential (mV)									291*

* Estimated using onsite field test kit analytical methods

U = Non-detect

J = Estimated Value

		DUP
DATA SOURCE:	INEEL	INEEL
ANALYTE\DATE	6/28/00	6/28/00
VOCs	1WS00101VA	1WS00102VA
PCE (μg/L)	1 U	1 U
TCE (μg/L)	0.7343 J	0.7456 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)	1WS00101R8	1WS00102R8
^{3}H	<339	<339
^{90}Sr		
^{137}Cs		
Gross Alpha		
Gross Beta		
^{60}Co		
OTHER		
pH	7.61	
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

TAN D3

							DUP			
DATA SOURCE:	USGS	USGS	USGS	USGS	USGS	USGS	USGS	USGS	USGS	LMITCO
ANALYTE\DATE	6/25/53	4/25/86	5/14/87	7/13/87	10/27/87	1/11/88	1/11/88	3/7/89	12/12/89	3/7/89
VOCs										
PCE (μg/L)	-	-	-	-	170	100	120	<100	-	53
TCE (μg/L)	-	-	-	-	35,000	26,000	29,000	24,000	-	28,000
cis-1,2-DCE (μg/L)	-	-	-	-	-	-	-	-	-	-
trans-1,2-DCE (μg/L)	-	-	-	-	22,000	15,000	13,000	13,000	-	-
total-1,2-DCE (μg/L)	-	-	-	-	-	-	-	-	-	7,800
vinyl chloride (μg/L)										
Ethene (μg/L)	-	-	-	-	-	-	-	-	-	-
Ethane (μg/L)	-	-	-	-	-	-	-	-	-	-
Methane (μg/L)	-	-	-	-	-	-	-	-	-	-
Hydrogen Sulfide	-	-	-	-	-	-	-	-	-	-
ANIONS										
Nitrate (mg/L)	-	-	-	-	-	-	-	<0.10	-	-
Nitrite (mg/L)	-	-	-	-	-	-	-	0.01	-	-
Nitrate/Nitrite (mg/L)	-	-	-	-	-	-	-	-	-	-
Sulfate (mg/L)	42	-	-	-	-	-	-	32	-	-
Chloride (mg/L)	8.2	130	140	150	170	110	-	150	-	-
Phosphate (mg/L)										
METALS (ug/L)										
Aluminum	-	-	-	-	-	-	-	<10	-	-
Antimony	-	-	-	-	-	-	-	-	-	<30.0
Arsenic	-	-	<1	-	<1	-	-	<1	-	-
Barium	-	-	100	-	140	-	-	130	-	147
Beryllium	-	-	-	-	<0.50	-	-	-	-	-
Cadmium	-	1	-	-	<1.0	-	-	<1.0	-	-
Calcium	23,000	-	-	-	-	-	-	57,000	-	-
Chromium	-	<50	<50	-	-	-	-	4	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-
Copper	-	-	-	-	-	-	-	-	-	90
Iron	20	-	-	-	-	-	-	410	-	-
Lead	-	4	-	-	<5.0	-	-	<5.0	-	14
Magnesium	2,800	-	-	-	-	-	-	22,000	-	-
Manganese	0.04	-	-	-	-	-	-	84	-	-
Mercury	-	<0.1	<0.1	-	<0.1	-	-	-	-	0.33
Nickel	-	-	-	-	-	-	-	-	-	-
Potassium	3,200	-	-	-	-	-	-	4,300	-	-
Selenium	-	<1	<1	-	1	-	-	<1	-	<2.0
Silver	-	<1.0	-	-	1	-	-	<1.0	-	<2.0
Sodium	9,000	-	-	-	92,000	-	-	97,000	-	-
Thallium	-	-	-	-	-	-	-	-	-	1.6
Vanadium	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	267
RADIONUCLIDES (pCi/L)										
^{3}H	-	38,600	38,800	41,400	43,200	41,300	-	28,600	-	-
^{90}Sr	-	-	-	-	1930	950	-	680	970	-
^{137}Cs	-	3,800	3,360	2,880	7,500	3,060	-	3,170	4,370	-
^{60}Co	-	-	-	-	-	-	-	-	-	-
Gross Alpha	-	<2	3	<1.8	-	-	-	-	-	-
Gross Beta	-	2,200	3,100	2,500	-	-	-	-	-	-
^{234}U	-	-	-	-	-	-	-	-	-	-
^{235}U	-	-	-	-	-	-	-	-	-	-
^{236}U	-	-	-	-	-	-	-	-	-	-
^{238}U	-	-	-	-	-	-	-	-	-	-
^{241}Am	-	-	-	-	-	-	-	-	-	-
^{238}Pu	-	-	-	-	1.22	0.18	-	<0.06	0.26	-
$^{241}Am/^{238}Pu$	-	-	-	-	-	-	-	-	-	-
$^{239/240}Pu$	-	-	-	-	5	0.96	-	<0.04	0.71	-
^{244}Cm	-	-	-	-	-	-	-	-	-	-
OTHER										
pH	9.5	7.9	8.1	-	8.1 / 8.0	7.9	-	8	6.7	-
Dissolved Oxygen (mg/L)	-	-	-	-	-	-	-	0	3.1	-
Orthophosphate	-	-	-	-	-	-	-	0.24	-	-
Alkalinity (mg/L)	-	-	-	-	-	-	-	229	-	-
Specific Conductance (mS/cm)	-	720	1000	-	955	920	-	945	1,030	-
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

† Samples collected from level B.

TAN 47

	DUP		DUP		DUP		DUP		DUP	
DATA SOURCE:	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO
ANALYTE\DATE	3/7/89	7/28/92	7/28/92	10/8/92	10/8/92	6/16/93	6/16/93	4/26/94	4/26/94	7/7/94
VOCs										
PCE (μg/L)	37	500	500	500	1000	20	22	110	<1,000	<500
TCE (μg/L)	16,000	7,800	8,300	4,100	4,600	5,900	11,000	32,000	32,000	12,000
cis-1,2-DCE (μg/L)	-	5,600	5,800	3,900	3,700	-	-	7,500	7,700	3,700
trans-1,2-DCE (μg/L)	-	3,400	3,200	2,600	2,100	-	-	3,900	3,200	1,300
total-1,2-DCE (μg/L)	7,400	-	-	-	-	6,500	9,300	-	-	-
vinyl chloride (μg/L)										
Ethene (μg/L)	-	-	-	-	-	-	-	-	-	-
Ethane (μg/L)	-	-	-	-	-	-	-	-	-	-
Methane (μg/L)	-	-	-	-	-	-	-	-	-	-
Hydrogen Sulfide	-	-	-	-	-	-	-	-	-	-
ANIONS										
Nitrate (mg/L)	-	<0.02	<0.02	<0.02	<0.02	0.124	-	-	-	-
Nitrite (mg/L)	-	<0.02	<0.02	<0.02	<0.02	-	-	-	-	-
Nitrate/Nitrite (mg/L)	-	-	-	-	-	-	-	-	-	-
Sulfate (mg/L)	-	17.4	46.6	44.4	36.1	45.2	-	-	-	-
Chloride (mg/L)	-	6.04	124	125	122	117	-	-	-	-
Phosphate (mg/L)										
METALS (ug/L)										
Aluminum	-	<39	<39	<33	50	<203	<160	-	-	-
Antimony	<30.0	<17.5	<14.4	<7	<7	<11.0	<11.0	-	-	-
Arsenic	-	<2	<2	<2	<2	1.8	1.2	-	-	-
Barium	148	149	146	149	144	133	134	148	140	136
Beryllium	-	<4	<4	<4	<4	<5.0	<5.0	-	-	-
Cadmium	-	<5	<5	<5	<6	<5.0	<5.0	-	-	-
Calcium	-	57,000	54,000	48,000	59,200	49,500	52,000	-	-	-
Chromium	-	<6	<6	<6	<6	<6.0	<6.0	-	-	-
Cobalt	-	<12	<12	<11	<11	<17.0	<17.0	-	-	-
Copper	87	<7	<7	<17	<17	<9.0	<9.0	<8.0	<8.0	<8.0
Iron	-	1,350	1,760	840	743	1,050	391	-	-	-
Lead	6.9	<2	<2	<2	<2	10.4	3.5	<1.0	1.8	3.5
Magnesium	-	21,400	20,400	20,000	21,600	17,900	19,400	-	-	-
Manganese	-	94	92	84	81	77.1	73.3	-	-	-
Mercury	0.25	<0.1	<0.1	<0.2	<0.1	0.11	<0.10	0.11	<0.10	<0.10
Nickel	21	<9	11	<11	<11	18.9	<18.0	-	-	-
Potassium	-	5,480	5,300	4,890	4,830	4,400	4,330	-	-	-
Selenium	<2.0	<5	<5	<2	<2	<5.0	<5.0	-	-	-
Silver	<2.0	<1	<1	<1	<1	1.6	1.6	-	-	-
Sodium	-	91,800	87,000	86,800	92,400	75,900	79,800	-	-	-
Thallium	1.3	<2	<2	<1	1	<1.0	<1.0	-	-	-
Vanadium	10	<15	<15	<15	<15	<24.0	<24.0	-	-	-
Zinc	342	<13	<19	<65	<86	76.2	38.9	<13.0	<12.0	6.5
RADIONUCLIDES (pCi/L)										
^{3}H	-	15,300	15,100	14,700	15,800	18,800	18,700	-	14,900	15,300
^{90}Sr	-	630	610	610	640	520	630	680	1880 /	590/ 530
^{137}Cs	-	1,940	2,240	2,020	2,050	2,010	2,030	2,150	2150	1,600
^{60}Co	-	-	-	-	-	-	-	23	-	-
Gross Alpha	-	20	46	10	38	23	37	-	-	-
Gross Beta	-	3,550	3,670	3,450	3,340	2,990	3,450	-	-	-
^{234}U	-	7.3	5.9	-	4.1	17	17	7.7	-	5.2
^{235}U	-	<0.4	<0.4	-	<0.2	1.1	1.2	-	-	<0.16
^{236}U	-	-	-	-	-	-	-	-	-	-
^{238}U	-	<0.4	<0.4	-	0.6	1.8	1.4	<0.2	-	0.43
^{241}Am	-	2.1	<1.4	-	<0.4	<0.2	<0.2	-	-	-
^{238}Pu	-	<1.4	<1.0	-	<0.2	<0.2	<0.2	-	-	-
$^{241}Am/^{238}Pu$	-	-	-	-	-	-	-	<0.2	-	<0.08
$^{239/240}Pu$	-	<1.2	<0.8	-	<0.2	<0.2	<0.2	<0.22	-	<0.10
^{244}Cm	-	<0.8	<0.8	-	<0.2	<0.2	<0.2	-	-	-
OTHER										
pH	-	-	-	-	-	7.86	-	8.01	-	8.01
Dissolved Oxygen (mg/L)	-	-	-	-	-	-	-	-	-	-
Orthophosphate	-	-	-	-	-	332	-	-	-	-
Alkalinity (mg/L)	-	207	-	206	-	194	-	-	-	-
Specific Conductance (mS/cm)	-	-	-	-	-	790	-	859	-	855
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

† Samples collected from level B

TAN D3

		DUP		DUP		DUP			
DATA SOURCE:	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	INEEL[1]
ANALYTE\DATE	11/14/94	11/14/94	11/21/95	11/21/95	8/6/96	8/6/96	10/14/97	10/14/99	6/5/00
VOCs									1PD12801VA
PCE (μg/L)	<600	<500	82	80	29	29	<50	<5	-
TCE (μg/L)	12,000	15,000	25,000	31,000	13,000	14,000	1,100	2	<10
cis-1,2-DCE (μg/L)	-	-	-	-	-	-	340	1,800	77.8
trans-1,2-DCE (μg/L)	-	-	-	-	-	-	300	1,300	782.9
total-1,2-DCE (μg/L)	7,200	7,500	8,400	9,900	1,500	1,600	-		
vinyl chloride (μg/L)								1,400	115
Ethene (μg/L)	-	-	-	-	0.13	-	<1	820	1,065.5
Ethane (μg/L)	-	-	-	-	0.13	-	<1	10	2.5
Methane (μg/L)	-	-	-	-	3	-	<20	13,000	11,386.6
Hydrogen Sulfide	-	-	-	-	<0.298	-	<0.05	0.1*	
ANIONS									
Nitrate (mg/L)	-	-	-	-	-	-	-	1.4	0
Nitrite (mg/L)	-	-	-	-	-	-	-		
Nitrate/Nitrite (mg/L)	-	-	-	-	0.02	-	1.65		
Sulfate (mg/L)	-	-	-	-	45.9	-	53.5	0.23	15
Chloride (mg/L)	-	-	-	-	109	-	85.9	87.4	131
Phosphate (mg/L)								0.3	2.5
METALS (ug/L)									
Aluminum	-	-	<43.0	<43.0	75.0	-	<50.0	95.1	
Antimony	-	-	<4.0	<4.0	<50.0	-	<50.0		
Arsenic	-	-	<2.0	<2.0	2.3	-	<2.5		
Barium	127	132	141	142	114	-	205		
Beryllium	-	-	<4.0	<4.0	<4.0	-	<4.0		
Cadmium	-	-	<4.0	<4.0	<5.0	-	<5.0		
Calcium	-	-	52,100	52,200	38,700	-	60,300	139,000	
Chromium	-	-	<4.0	<4.0	<10.0	-	<10.0		
Cobalt	-	-	<14.0	<14.0	<10.0	-	<10.0		
Copper	<12.0	<12.0	<6.0	<6.0	6.2	-	6.9		
Iron	-	-	647	639	342	-	34.2	>3,000*	>3,000*
Lead	<1.0	<1.0	<1.0	<1.0	<1.5	-	<2.0		
Magnesium	-	-	19,100	19,100	15,500	-	20,000	50,300	
Manganese	-	-	87.5	88.8	66.8	-	5.4		
Mercury	<0.10	<0.10	<0.21	<0.21	0.20	-	<0.20		
Nickel	-	-	<19.0	<19.0	<15.0	-	<15.0		
Potassium	-	-	3,550	3,510	4,110	-	4,500	9,740	
Selenium	-	-	<4.0	<4.0	<2.5	-	<2.5		
Silver	-	-	1.1	1.2	<5.0	-	<5.0		
Sodium	-	-	73,100	93,100	104,000	-	57,600	909,000	
Thallium	-	-	<2.0	<2.0	, 2.0	-	<2.0		
Vanadium	-	-	<14.0	<14.0	<10.0	-	<10.0		
Zinc	26.0	36.0	22.4	21.8	24.5	-	40.5		
RADIONUCLIDES (pCi/L)									
^{3}H	11,900	10,800	13,000	11,800	10,700	-	4,850	3,180+/-490	3,000+/-208
^{90}Sr	600/600	620/610	8.5	532	550	570	305	1,470+/-132	
^{137}Cs	1,630	1,620	1,720	1,650	1,600	1,590	609	3,010+/-250	
^{60}Co	1,930	-	-	-				10.3+/-3.0	
Gross Alpha	-	-	-	-	18.0	14	18.0	22.0+/-4.7	
Gross Beta	-	-	-	-	-	-	-		
									1WS07001VA
^{234}U	6.9	8.9	9.1	209	-	-	-	0.237+/0.038	0.423+/-0.06
^{235}U	<0.2	<0.14	0.32	8	-	-	-	<65.6	0.082+/-0.02
^{236}U	-	-	-	1.8	-	-	-		
^{238}U	0.44	0.28	0.66	1.5	-	-	-	0.0469+/-0.0173	0.0545+/-0.0197
^{241}Am	-	-	-	-	-	-	-		
^{238}Pu	-	-	-	-	-	-	-		
$^{241}Am/^{238}Pu$	-	-	-	-	-	-	-	<71.3	
$^{239/240}Pu$	-	-	-	-	-	-	-		
^{244}Cm	-	-	-	-	-	-	-		
OTHER									
pH	-	-	-	-	-	-	-	8	
Dissolved Oxygen (mg/L)	-	-	-	-	-	-	-	-	
Orthophosphate	-	-	-	-	0.21	-	0.072		
Alkalinity (mg/L)	-	-	196	-	418	-	196	1,265*	1,960*
Specific Conductance (mS/cm)	-	-	827	825	-	-	-	0.395	
Total Dissolved Solids (mg/L)	-	-	-	-	-	-	-	3,730	
Ammonia Nitrogen (mg/L)	-	-	-	-	-	-	-	<2.5*	1.17*
Total Organic Carbon (mg/L)	-	-	-	-	-	-	-		
Chemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	2,277*	3,213*
Biochemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-		
Carbon Dioxide (mg/L)								646*	886*
Oxidation Reduction Potential (mV)								-	

* Estimated using onsite field test kit analytical methods

[1] Samples collected from level B.

USGS 7

DATA SOURCE:	USGS	USGS	USGS	USGS	USGS	USGS	USGS	USGS	USGS	USGS	USGS	USGS
ANALYTE\DATE	6/3/52	6/7/52	7/8/52	8/1/52	8/7/52	8/9/52	8/13/52	1/6/61	2/9/61	4/10/61	2/13/62	2/15/62
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)	-	35	32	100	-	21	20	-	-	-	11	1.2
Chloride (mg/L)	10	13	13	19	-	9.5	10	-	-	-	9.8	10
METALS (ug/L)												
Aluminum	-	-	-	-	-	-	-	-	-	-	100	100
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Calcium	36,000	40,000	17,000	10,000	-	26,000	23,000	-	-	-	20,000	12,000
Chromium	-	-	-	-	-	-	-	-	-	-	10	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-	-
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Iron	-	60	20	-	-	110	-	-	-	-	30	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium	14,000	14,000	1,900	2,500	-	11,000	7,700	-	-	-	82,000	6,900
Manganese	-	-	-	-	-	-	-	-	-	-	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Potassium	-	3,100	5,200	-	-	4,000	-	-	-	-	4,400	4,400
Selenium	-	-	-	-	-	-	-	-	-	-	-	-
Silver	-	-	-	-	-	-	-	-	-	-	-	-
Sodium	-	12,000	23,000	-	-	24,000	31,000	23,000	24,000	26,000	25,000	26,000
Thallium	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-	-
RADIONUCLIDES (pCi/L)												
^{3}H	-	-	-	-	-	-	-	-	-	-	-	-
^{90}Sr	-	-	-	-	-	-	-	-	-	-	-	-
^{137}Cs	-	-	-	-	-	-	-	-	-	-	-	-
Gross Alpha	-	-	-	-	-	-	-	-	-	-	-	-
Gross Beta	-	-	-	-	-	-	-	-	-	-	-	-
OTHER												
pH	-	7.9	9.7	-	7.7	7.7	-	8.4	8.2	8.6	8.1	8.6
Dissolved Oxygen (mg/L)	-	-	-	-	-	-	-	-	-	-	-	-
Orthophosphate	-	-	-	-	-	-	-	-	-	-	-	-
Alkalinity (mg/L)	140	152	-	146	123	121	121	-	-	-	112	99
Specific Conductance (mS/cm)	344	377	215	558	311	311	317	-	-	-	269	227
Total Dissolved Solids (mg/L)	-	-	-	-	-	-	-	-	-	-	-	-
Ammonia Nitrogen (mg/L)	-	-	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon (mg/L)	-	-	-	-	-	-	-	-	-	-	-	-
Chemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	-	-	-	-	-
Biochemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	-	-	-	-	-

USGS 7

DATA SOURCE:	USGS	USGS	USGS	USGS	USGS	USGS	USGS	USGS	USGS	USGS
ANALYTE\DATE	8/24/62	9/28/62	12/17/63	6/3/65	9/7/77	11/14/84	5/20/91	7/6/92	7/9/93	3/30/94
VOCs										
PCE (μg/L)	-	-	-	-	-	-	<0.2	-	-	<0.2
TCE (μg/L)	-	-	-	-	-	-	<0.2	-	-	<0.2
cis-1,2-DCE (μg/L)	-	-	-	-	-	-	-	-	-	<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)	-	-	-	-	-	-	0.4	-	-	0.38
Nitrite (mg/L)	-	-	-	-	-	<0.010	0.01	<0.010	<0.010	0.03
Nitrate/Nitrite (mg/L)	-	-	-	-	-	<0.100	0.41	0.4	0.4	0.41
Sulfate (mg/L)	-	0.2	14	6	1.3	1.1	20	-	-	-
Chloride (mg/L)	11	9.8	9.2	9.5	13	11.0	12	9.4	8.7	8.9
METALS (ug/L)										
Aluminum	-	100	-	-	10	<10	<10	-	-	2
Antimony	-	-	-	-	-	-	-	-	-	<1.0
Arsenic	-	-	-	-	-	-	4	-	-	3
Barium	-	-	-	-	-	-	17	-	-	17
Beryllium	-	-	-	-	-	-	<0.50	-	-	<1.0
Cadmium	-	-	-	-	-	-	<1.0	-	-	<1.0
Calcium	-	8,800	23,000	18,000	7,400	7,900/9,600	25,000	-	-	-
Chromium	-	10	-	-	-	12/7	<5	-	-	3
Cobalt	-	-	-	-	-	-	<3.0	-	-	<1.0
Copper	-	-	-	-	-	-	<10	-	-	<1.0
Iron	-	-	-	-	<10	8	10	-	-	-
Lead	-	-	-	-	-	<1/1	<10	-	-	<1.0
Magnesium	-	6,600	8,500	8,200	6,000	5,700/6,100	9,200	-	-	-
Manganese	-	-	-	-	-	<1/3	2	-	-	2
Mercury	-	-	-	-	-	<0.1	<0.1	-	-	<0.1
Nickel	-	-	-	-	-		<10	-	-	<1.0
Potassium	-	4,400	4,300	4,300	4,400	4,000/3,900	4,600	-	-	-
Selenium	-	-	-	-	-	-	<1	-	-	-
Silver	-	-	-	-	-	-	<1	-	-	<1.0
Sodium	22,000	26,000	24,000	24,000	23,000	23,000	25,000	-	-	23,000
Thallium	-	-	-	-	-	-	-	-	-	<0.50
Vanadium	-	-	-	-	-	-	<6	-	-	-
Zinc	-	-	-	-	-	-	<3.0	-	-	<1.0
RADIONUCLIDES (pCi/L)										
^{3}H	-	-	-	-	<400	-	<320	<400	<640	<340
^{90}Sr	-	-	-	-	-	-	<3.4	<2.8	<6.4	<4
^{137}Cs	-	-	-	-	-	-	<60	-		<50
Gross Alpha	-	-	-	-	-	-	-	-		<1.6
Gross Beta	-	-	-	-	-	-	-	-		8
OTHER										
pH	7.4	8.6	8.1	8.4	-	-	8.1	8.1	8	7.8
Dissolved Oxygen (mg/L)	-	-	-	-	-	-	3.9	-		
Orthophosphate	-	-	-	-	-	<0.010	<0.010	<0.010	<0.010	<0.010
Alkalinity (mg/L)	-	94	118	113	-	-	122	-		
Specific Conductance (mS/cm)	-	216	285	261	-	-	300	290	295	306
Total Dissolved Solids (mg/L)	-	-	-	-	-	-	-	-	-	-
Ammonia Nitrogen (mg/L)	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon (mg/L)	-	-	-	-	-	-	-	-	-	-
Chemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	-	-	-
Biochemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	-	-	-

USGS 7

DATA SOURCE:	USGS	USGS	USGS	USGS	USGS	USGS	USGS
ANALYTE\DATE	10/14/94	4/6/95	10/4/95	4/5/96	10/14/96	4/21/97	10/27/97
VOCs							
PCE (μg/L)	<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
cis-1,2-DCE (μg/L)	<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
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)	0.38/0.4	0.4	0.32	0.41	0.36	0.402	0.467
Sulfate (mg/L)	-	-	-	-	-	-	-
Chloride (mg/L)	9	8.7	8.7	8.8	9.1	9	9.1
METALS (ug/L)							
Aluminum	6	3	5	4	5	4	4.3
Antimony	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Arsenic	4	4	4	3	4	4	4
Barium	18	16	18	16	17	16	17
Beryllium	<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
Calcium	-	-	-	-	-	-	-
Chromium	4	3	3	4	-	-	-
Cobalt	<1.0	<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	<1.0
Iron	-	-	-	-	-	-	-
Lead	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Magnesium	-	-	-	-	-	-	-
Manganese	3	2	2	5	3	5.1	3
Mercury	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	<1.0	1	1	<1.0	1	<1.0	<1.0
Potassium	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-
Silver	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Sodium	23,000	23,000	23,000	23,000	24,000	23,000	23,000
Thallium	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Vanadium	-	-	-	-	-	-	-
Zinc	3	1	29	1	3	<1.0	<1.0
RADIONUCLIDES (pCi/L)							
^{3}H	<340	<340	<340	<400	<400	<400	
^{90}Sr	<4	<1.4	<1.6	<3	<1.4	<1.6	
^{137}Cs	<40	<60	<60	<60	<80	<48	
Gross Alpha	<1.8	<1.8	<1.8	<1.6	<4.0	<4.4	
Gross Beta	<4	<3.8	5	<4	<8.0	<8.0	
OTHER							
pH	7.9	8.1	8.1	8	8.1	8.1	8.1
Dissolved Oxygen (mg/L)							
Orthophosphate	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Alkalinity (mg/L)							
Specific Conductance (mS/cm)	306	305	302	306	308	303	305
Total Dissolved Solids (mg/L)	-	-	-	-	-	-	-
Ammonia Nitrogen (mg/L)	-	-	-	-	-	-	-
Total Organic Carbon (mg/L)	-	-	-	-	-	-	-
Chemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-
Biochemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-

USGS 24

DATA SOURCE:	USGS	USGS	USGS	USGS	USGS	USGS	USGS	USGS	USGS	USGS	USGS
ANALYTE\DATE	8/20/52	8/26/52	2/21/62	12/3/62	12/17/63	6/3/65	9/7/77	1/14/88	2/28/89	10/30/90	1/2/91
VOCs											
PCE (μg/L)	-	-	-	-	-	-	-	120	64	-	-
TCE (μg/L)	-	-	-	-	-	-	-	1,600	1,400	-	-
cis-1,2-DCE (μg/L)	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-DCE (μg/L)	-	-	-	-	-	-	-	48	11	-	-
total-1,2-DCE (μg/L)	-	-	-	-	-	-	-	-	-	-	-
vinyl chloride (μg/L)											
Ethene (μg/L)	-	-	-	-	-	-	-	-	-	-	-
Ethane (μg/L)	-	-	-	-	-	-	-	-	-	-	-
Methane (μg/L)	-	-	-	-	-	-	-	-	-	-	-
Hydrogen Sulfide	-	-	-	-	-	-	-	-	-	-	-
ANIONS											
Nitrate (mg/L)	-	-	-	-	-	-	-	-	1.7	-	-
Nitrite (mg/L)	-	-	-	-	-	-	-	-	<0.010	-	-
Nitrate/Nitrite (mg/L)	-	-	-	-	-	-	-	-	-	-	-
Sulfate (mg/L)	22	27	35	17	14	40	50	-	36	-	-
Chloride (mg/L)	9	7.4	58	36	36	63	73	64	69 / 76	-	-
Phosphate (mg/L)											
METALS (ug/L)											
Aluminum	-	-	0.04	-	-	-	10	-	<10	-	-
Antimony	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	2	-	-
Barium	-	-	-	-	-	-	-	-	190	-	-
Beryllium	-	-	-	-	-	-	-	-	-	-	-
Cadmium	-	-	-	-	-	-	-	-	<1.0	-	-
Calcium	53,000	51,000	71,000	17,000	16,000	76,000	75,000	-	74,000	-	-
Chromium	-	-	-	-	-	-	-	-	4	-	-
Cobalt	-	-	-	-	-	-	-	-	-	-	-
Copper	-	-	-	-	-	-	-	-	-	-	-
Iron	-	40	-	-	-	-	<10	-	15	-	-
Lead	-	-	-	-	-	-	-	-	<5.0	-	-
Magnesium	12,000	13,000	18,000	8,700	8,600	20,000	19,000	-	19,000	-	-
Manganese	-	-	-	-	-	-	<10	-	2	-	-
Mercury	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-
Potassium	-	2,300	2,600	2,400	2,500	2,900	3,400	-	2,400	-	-
Selenium	-	-	-	-	-	-	-	-	<1	-	-
Silver	-	-	-	-	-	-	-	-	2	-	-
Sodium	-	6,600	10,000	8,600	8,400	17,000	25,000	-	26,000	-	-
Thallium	-	-	-	-	-	-	-	-	-	-	-
Vanadium	-	-	-	-	-	-	-	-	-	-	-
Zinc	-	-	-	-	-	-	-	-	-	-	-
RADIONUCLIDES (pCi/L)											
^{3}H	-	-	-	-	-	-	-	11,200	10,100	-	-
^{90}Sr	-	-	-	-	-	-	-	<3.0	<3.0	14	-
^{137}Cs	-	-	-	-	-	-	-	<60	<60	<40	-
Gross Alpha	-	-	-	-	-	-	-	-	-	-	-
Gross Beta	-	-	-	-	-	-	-	-	-	-	-
OTHER											
pH	7.7	7.7	8	8	8.8	7.9	7.9	7.5	8	7.9	7.6
Dissolved Oxygen (mg/L)	-	-	-	-	-	-	-	-	6.3	-	-
Orthophosphate	-	-	-	-	-	-	-	-	0.03	-	-
Alkalinity (mg/L)	154	2	36	32	30	177	164	-	176	-	-
Specific Conductance (mS/cm)	367	365	232	224	213	609	625	600	645	540	627
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

USGS 24

						DUP				
DATA SOURCE:	USGS	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO
ANALYTE\DATE	2/13/96	2/28/89	12/12/89	1/2/91	6/8/92	6/8/92	10/9/92	10/9/92	3/30/94	6/29/94
VOCs										
PCE (μg/L)	46	19	71	51	47	31	51	<200	35	34
TCE (μg/L)	990	210	1300	720	810	710	1400	880	430	690
cis-1,2-DCE (μg/L)	50	-	-	-	38	31	120	<200	38	34
trans-1,2-DCE (μg/L)	20	-	-	-	<50	<50	21	<200	10	9
total-1,2-DCE (μg/L)	-	4	44	47	-	-	-	-	-	-
vinyl chloride (μg/L)										
Ethene (μg/L)	-	-	-	-	-	-	-	-	-	-
Ethane (μg/L)	-	-	-	-	-	-	-	-	-	-
Methane (μg/L)	-	-	-	-	-	-	-	-	-	-
Hydrogen Sulfide	-	-	-	-	-	-	-	-	-	-
ANIONS										
Nitrate (mg/L)	2.6	-	2.02	1.82	1.83	1.99	1.85	1.79	-	-
Nitrite (mg/L)	<0.010	-	-	-	<0.020	-	<0.02	<0.02	-	-
Nitrate/Nitrite (mg/L)	-	-	-	-	-	-	-	-	-	-
Sulfate (mg/L)	-	-	36.6	36.0	75.2	71.9	41.4	40.0	-	-
Chloride (mg/L)	73	-	71.2	71.4	37.0	38.7	75.5	78.0	-	-
Phosphate (mg/L)										
METALS (ug/L)										
Aluminum	-	-	-	-	<39	<39	46	67	-	-
Antimony	-	<30.0	-	<4.0	10.9	<9	<7	<7	-	-
Arsenic	-	-	-	2	<2	<2	<2	<2	-	-
Barium	200	201	204	220	204	203	216	209	164	215
Beryllium	<0.50	-	-	-	<4	<4	<4	<4	-	-
Cadmium	2	-	-	-	<4	<4	<8	<5	-	-
Calcium	71,000	-	47,400	80,500	74,800	73,200	84,000	82,800	-	-
Chromium	<7	-	-	-	<6	<6	<8	<6	-	-
Cobalt	<3.0	-	-	-	<12	<12	<11	<11	-	-
Copper	<10	56	-	-	<7	<7	<17	<17	<5.0	<8.0
Iron	7	-	243	123	233	<142	1230	863	-	-
Lead	<10	8.9	13.5	7.8	6.7	2.3	<5.2	<2	<1.0	<1.0
Magnesium	17,000	-	19,100	18,500	19,100	19,000	20,800	20,200	-	-
Manganese	<1.0	-	-	<3.0	<4	<4	<7	<5	-	-
Mercury	-	<0.20	-	<0.12	<0.1	<0.1	<0.1	<0.1	<0.10	<0.10
Nickel	<10	-	-	-	<9	<9	<11	<11	-	-
Potassium	-	-	3,700	2,860	3,510	3,600	3,720	3,640	-	-
Selenium	-	<2.0	1.2	<1.0	<1	<1	<2	<2	-	-
Silver	<1.0	<2.0	-	-	<1	<1	<1	<1	-	-
Sodium	26,000	-	27,100	27,000	27,200	26,900	28,600	27,500	-	-
Thallium	-	3.3	-	-	<1.9	<1.6	<1	<1	-	-
Vanadium	<6	-	-	<7.0	<15	<15	<15	<22	-	-
Zinc	25	64	159	-	<14	<14	<24	<20	<6.0	<6.0
RADIONUCLIDES (pCi/L)										
^{3}H	5,100	-	9,800	8,300	7,300	7,500	7,640	7,060	5,900	6,400
^{90}Sr	<1.6	-	<4.2	10.8	<2.0	<1.4	-	-	<2.4 / <2.4	<2.8 / <4
^{137}Cs	<40	-	<30	<30	<30	<30	<30	<30	<30	<30
Gross Alpha	2.8	-	-	-	12	<3.0	<4	<4.4	-	-
Gross Beta	7	-	-	-	11	8.4	8.1	8.4	-	-
OTHER										
pH	8	-	-	-	-	-	-	-	7.41	7.71
Dissolved Oxygen (mg/L)	-	-	-	-	-	-	-	-	-	-
Orthophosphate	0.03	-	-	-	-	-	-	-	-	-
Alkalinity (mg/L)	-	-	160	174	168	176	162	162	-	-
Specific Conductance (mS/cm)	653	-	-	-	-	-	-	-	622	646
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

USGS 24

		DUP						DUP
DATA SOURCE:	LMITCO	LMITCO	LMITCO	LMITCO	LMITCO	INEEL	INEEL	INEEL
ANALYTE\DATE	10/17/94	10/17/94	2/13/96	8/10/98	7/13/99	6/26/00	7/12/00	7/12/00
VOCs						1WS01301VA	1WS01401VA	1WS01402VA
PCE (μg/L)	55	-	-	29		44.48	39.02	43.50
TCE (μg/L)	1100	-	-	430	590	379.9	619.0	603.7
cis-1,2-DCE (μg/L)	70	-	-	21	41	29.33	34.22	33.16
trans-1,2-DCE (μg/L)	26	-	-	<12	13	12.69	13.30	14.89
total-1,2-DCE (μg/L)	-	-	-	-				
vinyl chloride (μg/L)					10	2 U	40 U	40 U
Ethene (μg/L)	-	-	-	-	<2			
Ethane (μg/L)	-	-	-	-	<2			
Methane (μg/L)	-	-	-	-	<1			
Hydrogen Sulfide	-	-	-	-	-			
ANIONS								
Nitrate (mg/L)	-	-	-	-	1.9			
Nitrite (mg/L)	-	-	-	-				
Nitrate/Nitrite (mg/L)	-	-	-	-				
Sulfate (mg/L)	-	-	-	-	31.7			
Chloride (mg/L)	-	-	-	-	74.4			
Phosphate (mg/L)					<0.75			
METALS (ug/L)								
Aluminum	-	-	-	-	<15.6			
Antimony	-	-	-	-				
Arsenic	-	-	-	-				
Barium	185	-	-	-				
Beryllium	-	-	-	-				
Cadmium	-	-	-	-				
Calcium	-	-	-	-	74,200			
Chromium	-	-	-	-				
Cobalt	-	-	-	-				
Copper	<12.0	-	-	-				
Iron	-	-	-	-	-			
Lead	1.7	-	-	-				
Magnesium	-	-	-	-	18,900			
Manganese	-	-	-	-				
Mercury	<0.10	-	-	-				
Nickel	-	-	-	-				
Potassium	-	-	-	-	1,570			
Selenium	-	-	-	-				
Silver	-	-	-	-				
Sodium	-	-	-	-	25,100			
Thallium	-	-	-	-				
Vanadium	-	-	-	-				
Zinc	<12.0	-	-	-				
RADIONUCLIDES (pCi/L)						1WS01301R8	1WS01402R8	1WS01401R8
^{3}H	6,700	-	1,200	3,390	3110+/-224	3170+/-243	3430+/-243	3350+/-238
^{90}Sr	<2	<2	-	-	<0.617			
^{137}Cs	<30	-	<30	-				
Gross Alpha	-	-	<0.28	-	-			
Gross Beta	-	-	20	-				
OTHER								
pH	-	-	-	-	7.88	7.58	7.68	
Dissolved Oxygen (mg/L)	-	-	-		7.5			
Orthophosphate	-	-	-	-				
Alkalinity (mg/L)	-	-	174	-	157*			
Specific Conductance (mS/cm)	-	-	645	-	0.644			
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*			
Oxidation Reduction Potential (mV)					313			

* Estimated using onsite field test kit analytical methods

U = Non-detect

DATA SOURCE:	INEEL
ANALYTE\DATE	8/2/00
VOCs	1WS01501VA
PCE (μg/L)	29.04
TCE (μg/L)	539.0
cis-1,2-DCE (μg/L)	47.53
trans-1,2-DCE (μg/L)	20.06
total-1,2-DCE (μg/L)	
vinyl chloride (μg/L)	40 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)	1WS01501R8
^{3}H	3670+/-257
^{90}Sr	
^{137}Cs	
Gross Alpha	
Gross Beta	
OTHER	
pH	7.85
Dissolved Oxygen (mg/L)	5.89
Orthophosphate	
Alkalinity (mg/L)	
Specific Conductance (mS/cm)	0.674
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)	-45
* Estimated using onsite field test kit analytical methods	
U = Non-detect	

USGS 25

DATA SOURCE:	USGS	USGS	USGS
ANALYTE\DATE	10/11/52	10/14/52	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)	-	-	< 0.10
Sulfate (mg/L)	29	-	7.5
Chloride (mg/L)	6.5	-	7.7
METALS (ug/L)			
Aluminum	-	-	< 10
Antimony	-	-	-
Arsenic	-	-	-
Barium	-	-	-
Beryllium	-	-	-
Cadmium	-	-	-
Calcium	45000	-	41000
Chromium	-	-	15
Cobalt	-	-	-
Copper	-	-	-
Iron	30	-	68
Lead	-	-	2
Magnesium	17000	-	14000
Manganese	-	-	230
Mercury	-	-	< 0.1
Nickel	-	-	-
Potassium	1500	-	1600
Selenium	-	-	-
Silver	-	-	-
Sodium	6300	-	6300
Thallium	-	-	-
Vanadium	-	-	-
Zinc	-	-	-
RADIONUCLIDES (pCi/L)			
^{3}H	-	-	-
^{90}Sr	-	-	-
^{137}Cs	-	-	-
Gross Alpha	-	-	-
Gross Beta	-	-	-
OTHER			
pH	8.0	-	-
Dissolved Oxygen (mg/L)	-	-	-
Orthophosphate (mg/L)	-	-	< 0.010
Alkalinity (mg/L)	153	150	-
Specific Conductance (mS/cm)	359	359	-
Total Dissolved Solids (mg/L)	-	-	-
Ammonia Nitrogen (mg/L)	-	-	-
Total Organic Carbon (mg/L)	-	-	-
Chemical Oxygen Demand (mg/L)	-	-	-
Biochemical Oxygen Demand (mg/L)	-	-	-

USGS 26

DATA SOURCE:	USGS	USGS	USGS	USGS	USGS	USGS	USGS	USGS	USGS	LMITCO
ANALYTE\DATE	10/31/52	9/7/77	10/25/84	5/23/91	4/24/92	11/17/92	7/9/93	3/31/94	10/14/94	11/7/90
VOCs										
PCE (µg/L)	-	-	-	< 0.2	-	-	-	< 0.2	< 0.2	< 5
TCE (µg/L)	-	-	-	< 0.2	-	-	-	< 0.2	< 0.2	< 5
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)	-	-	-	-	-	-	-	-	-	< 5
Ethene (µg/L)	-	-	-	-	-	-	-	-	-	-
Ethane (µg/L)	-	-	-	-	-	-	-	-	-	-
Methane (µg/L)	-	-	-	-	-	-	-	-	-	-
Hydrogen Sulfide	-	-	-	-	-	-	-	-	-	-
ANIONS										
Nitrate (mg/L)	-	-	-	-	-	-	-	0.78	-	0.767
Nitrite (mg/L)	-	-	< 0.010	< 0.020	< 0.010	-	< 0.010	0.01	< 0.010	-
Nitrate/Nitrite (mg/L)	-	-	0.41	0.85	0.21	-	0.83	0.79	0.79	-
Sulfate (mg/L)	-	29	17	32	-	31	-	-	-	22.0
Chloride (mg/L)	-	13	12	13	15	14	-	13	13	13.1
METALS (ug/L)										
Aluminum	-	10	< 10	< 10	-	< 10	-	4	5	-
Antimony	-	-	-	-	-	-	-	< 1.0	< 1.0	< 5.2
Arsenic	-	-	-	2	-	-	-	2	3	-
Barium	-	-	-	< 37	-	36	-	37	36	52
Beryllium	-	-	-	< 0.50	-	< 0.50	-	< 1.0	< 1.0	-
Cadmium	-	-	-	< 1.0	-	< 1.0	-	< 1.0	< 1.0	-
Calcium	39000	39000	31000	50000	-	39000	-	-	-	53700
Chromium	-	-	10	< 5	-	< 5	-	6	5	-
Cobalt	-	-	-	< 3.0	-	< 3.0	-	< 1.0	< 1.0	-
Copper	-	-	-	< 10	-	< 10	-	< 1.0	< 1.0	-
Iron	-	10	12	16	-	10	-	-	-	222
Lead	-	-	8	< 1.0	-	< 1.0	-	< 1.0	< 1.0	2.1
Magnesium	15000	14000	11000	16000	-	14000	-	-	-	15800
Manganese	0.04	10	22	2	-	< 1.0	-	< 1.0	1	-
Mercury	-	-	< 0.1	< 0.1	-	-	-	< 0.1	< 0.1	< 0.14
Nickel	-	-	-	< 10	-	< 10	-	< 1.0	< 1.0	-
Potassium	3500	3600	3300	6000	-	3300	-	-	-	2950
Selenium	-	-	-	< 1	-	-	-	-	-	< 10.0
Silver	-	-	-	< 1.0	-	< 1.0	-	< 1.0	< 1.0	-
Sodium	15000	15000	14000	25000	15000	14000	-	15000	14000	17100
Thallium	-	-	-	-	-	-	-	< 0.50	< 0.50	-
Vanadium	-	-	-	< 6	-	< 6	-	-	-	< 12.0
Zinc	-	-	-	< 3.0	-	7	-	2	3	-
RADIONUCLIDES (pCi/L)										
^{3}H	-	< 400	-	< 320	< 360	-	< 320	< 340	< 400	< 160
^{90}Sr	-	-	-	< 4.0	< 2.8	-	< 3.4	< 3.6	< 3.2	< 1.6
^{137}Cs	-	-	-	< 60	-	-	-	< 60	< 60	< 30
Gross Alpha	-	-	-	-	-	-	-	< 1.8	< 1.8	-
Gross Beta	-	-	-	-	-	-	-	< 4	5	-
OTHER										
pH	7.7	8	-	7.9	7.9	7.9	7.9	7.5	7.8	-
Dissolved Oxygen (mg/L)	-	-	-	7.6	-	-	-	-	-	-
Orthophosphate	-	-	< 0.010	< 0.010	< 0.010		< 0.010	< 0.010	< 0.010	-
Alkalinity (mg/L)	-	150	-	150	-	146	-	-	-	142
Specific Conductance (mS/cm)	-	-	-	382	368	365	382	388	390	-
Total Dissolved Solids (mg/L)	-	-	-	-	-	-	-	-	-	-
Ammonia Nitrogen (mg/L)	-	-	-	-	-	-	-	-	-	-
Total Organic Carbon (mg/L)	-	-	-	-	-	-	-	-	-	-
Chemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	-	-	-
Biochemical Oxygen Demand (mg/L)	-	-	-	-	-	-	-	-	-	-

USGS 26

DATA SOURCE:	LMITCO	LMITCO
ANALYTE\DATE	4/23/92	10/30/92
VOCs		
PCE (μg/L)	< 1	< 1
TCE (μg/L)	< 1	< 1
cis-1,2-DCE (μg/L)	< 1	< 1
trans-1,2-DCE (μg/L)	< 1	< 1
total-1,2-DCE (μg/L)	-	-
Ethene (μg/L)	-	-
Ethane (μg/L)	-	-
Methane (μg/L)	-	-
Hydrogen Sulfide	-	-
ANIONS		
Nitrate (mg/L)	0.763	0.87
Nitrite (mg/L)	< 0.020	< 0.020
Nitrate/Nitrite (mg/L)	-	-
Sulfate (mg/L)	29.8	29.9
Chloride (mg/L)	12.5	12.9
METALS (ug/L)		
Aluminum	< 41	59
Antimony	< 7	< 7
Arsenic	< 2	1
Barium	39	39.3
Beryllium	< 4	< 4
Cadmium	< 11	< 5
Calcium	45100	42700
Chromium	< 6	< 6
Cobalt	< 12	< 11
Copper	< 7	< 17
Iron	456	< 162
Lead	< 1.1	< 1
Magnesium	16200	15600
Manganese	< 4	< 3.7
Mercury	< 0.1	< 0.1
Nickel	< 9	< 11
Potassium	3680	4130
Selenium	5	< 2
Silver	< 1	< 1
Sodium	16000	15600
Thallium	< 1	< 2
Vanadium	< 15	< 20.7
Zinc	< 15	< 15
RADIONUCLIDES (pCi/L)		
^{3}H	< 260	< 280
^{90}Sr	< 1.4	-
^{137}Cs	< 30	-
Gross Alpha	6.8	< 9.2
Gross Beta	5.4	11
OTHER		
pH	-	-
Dissolved Oxygen (mg/L)	-	-
Orthophosphate	-	-
Alkalinity (mg/L)	141	144
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)	-	-