

City of Lancaster, Ohio
Division of Water
Miller Park Wellhead Protection Program
Historical Groundwater Quality Data

PARAMETERS	Units	MCL/SMCL/ ACTION LEVEL	MW-65																																															
			Oct-95	Jan-96	Apr-96	Jul-96	Feb-97	Apr-97	Jul-97	Oct-97	Jun-98	Dec-98	Jul-99	Apr-00	Nov-00	May-01	Oct-01	Oct-01	May-02	Nov-02	May-03	Nov-03	May-04	Oct-04	May-05	Nov-05	Apr-06	Oct-06	May-07	Nov-07	Jun-08	Nov-08	Jul-09	Apr-15	Apr-16	Oct-16	Apr-17	Oct-17	Apr-18	Oct-18	Apr-19	Oct-19	Jun-20	Oct-20	May-21					
INORGANICS																																																		
ALUMINUM	mg/L	59 to 200 (S)	110	ND	NS	NA	ND	6																																										
ANTIMONY	ug/L	6	ND	ND	ND	ND	4.40	ND	ND	7.60	<4.0	NS	ND	ND	ND																																			
ARSENIC	ug/L	10.0	ND	NS	ND	ND	ND																																											
BARIUM	ug/L	2000	51	46	100	<200.0	<100.0	<100.0	53	43	58	NS	NA	81	72	87	103	96	96	85	84	86	79	83	81	81																								
BERYLLIUM	ug/L	4.0	ND	NS	NA	NA	NA																																											
CADMIUM	ug/L	5.0	ND	NS	ND	ND	ND	ND																																										
CALCIUM	mg/L	--	99	99	110	107	110	110	110	98	98	NS	114	113	107	120	123	120	118	115	114	117	111	107	122	116	103	115	115	110	122	113	106	110	94.7	96.7	88.2	90.1	98.1	98.1										
CHROMIUM	ug/L	100	ND	NS	ND	ND	ND	ND																																										
COBALT	ug/L	--	ND	NS	ND	ND	ND	ND																																										
COPPER	ug/L	1000 (S) / 1300 (A)	ND	NS	NA	NA	NA	NA																																										
CYANIDE	mg/L	0.2	ND	NA	NA	NA	< 0.01	< 0.01	< 0.01	< 0.01	0.01	NS	ND	ND	ND	ND																																		
IRON	ug/L	300 (S)	400.00	30.00	60.00	101.00	<30.0	<30.0	4.00	<5.0	<5.0	NS	73	ND	ND	ND	ND																																	
LEAD	ug/L	15 (A)	ND	NS	ND	ND	ND	ND																																										
MAGNESIUM	mg/L	--	26.0	27.0	30.0	29.0	29.0	30.0	28.0	27.0	28.0	NS	33.0	30.7	28.3	30.1	32.4	32.6	31.1	32.1	32.8	31.5	29.8	29.7	34.1	32.7	29.8	26.3	33.4	34.3	33.8	32.0	29.1	29.3	26.5	26.8	24.7	25.6	27.8	27.8										
MANGANESE	ug/L	50 (S)	300	280	250	138	280	260	180	220	236	NS	229	355	121	311	85	154	125	154	103	149	82	159	111	146	92	223	305	243	237	227	182	228	177	201	178	232	152	152										
MERCURY	ug/L	2.0	ND	NS	ND	ND	ND	ND	ND																																									
NICKEL	ug/L	--	ND	NS	ND	ND	ND	ND	ND																																									
POTASSIUM	mg/L	--	4.1	4.0	4.1	6.1	4.2	4.5	4.2	NA	NA	NS	NA	NA	NA	NA	NA																																	
SELENIUM	ug/L	50	9	9	12	10	6	ND	ND	ND	NS	ND	ND	ND	ND	ND																																		
SILVER	ug/L	100 (S)	ND	NS	ND	ND	ND	ND	ND																																									
SODIUM	mg/L	--	70.0	73.0	59.0	57.0	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA	NA																																	
SULFIDE	mg/L	--	NA	NS	ND	ND	ND	ND	ND																																									
THALLIUM	ug/L	2.0	ND	NS	ND	ND	ND	ND	ND																																									
TIN	ug/L	--	NA	NS	ND	ND	ND	ND	ND																																									
VANADIUM	mg/L	--	ND	NS	ND	ND	ND	ND	ND	ND																																								
ZINC	ug/L	5000 (S)	20	20	10	ND	ND	14	ND	ND	NS	ND	ND	ND	ND	ND																																		
VOLATILE ORGANICS VOC'S																																																		
Method 8260	Varies	Varies	ND	NS	ND	ND	ND																																											
FIELD PARAMETERS																																																		
STATIC WATER LEVEL	* from reference point																																																	
TEMPERATURE	°C	--	17.2	15.0	12.8	16.7	12.8	12.2	13.9	13.9	14.4	NS	13.8	14.3	13.8	14.8	14.1	14.9	14.1	15.9	14.2	15.5	15.5	15.7	14.6	15.4	15.9	12.40	13.18	13.82	11.97	12.94	10.80	13.30	11.83	13.35	11.50	13.22	12.20											
pH	S.U.	6.5-8.5 (S)	7.50	7.50	7.50	7.50	7.40	7.60	7.50	7.60	7.60	NS	7.50	7.25	7.23	7.17	6.69	7.26	7.30	7.23	7.20	7.26	7.26	7.28	7.30	7.09	7.29	7.26	7.14	7.20	7.10	7.12	7.18	7.26	6.72	7.72	7.20	7.05	7.78	7.78										
CONDUCTIVITY	umhos/cm	--	764	800	823	760	1000	1000	1000	975	940	NS	980	1042	811	1162	903	1056	745	960	808	694	694	713	684	587	967	1002	975	764	799	1188	1188	1286	1226	1117	1091	1118	1107	1107										

(S) = Secondary Maximum Contaminant Level
(A) = Action Level Sample dates 12/16/98 through 10/17/01 - Not Sampled due to vandalism
(O) = Ohio EPA Primary Maximum Contaminant Level
D = DETECTED
ND = NOT DETECTED
NA = NOT ANALYZED
NM = NOT MEASURED