

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	Jan-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							
INORGANICS																																																
ALUMINUM	mg/L	50 to 209 (S)	110	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND						
ANTIMONY	ug/L	6	ND	ND	ND	ND	4.40	ND	ND	7.60	<4.0	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
ARSENIC	ug/L	10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
BARIUM	ug/L	2000	51	46	100	<200.0	<100.0	<100.0	53	43	58	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	81	72	87	103	96	96	85	84								
BERYLLIUM	ug/L	4.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
CADMIUM	ug/L	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
CALCIUM	mg/L	-	99	99	110	107	110	110	110	98	98	NS	NS	NS	NS	NS	NS	114	113	107	120	123	120	118	115	114	117	111	107	122	116	103	115	115	110	122	113	106	110	95								
CHROMIUM	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
COBALT	ug/L	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
COPPER	ug/L	1000 (S) / 1300 (A)	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND				
CYANIDE	mg/L	0.2	ND	NA	NA	NA	<0.01	<0.01	<0.01	<0.01	0.01	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
IRON	ug/L	300 (S)	#####	30.00	60.00	#####	<30.0	<30.0	4.00	<5.0	<5.0	NS	NS	NS	NS	NS	NS	73	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	28	ND		
LEAD	ug/L	15 (A)	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	NS	NS	NS	NS	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								
MANGANESE	ug/L	50 (S)	300	280	250	138	280	260	180	220	236	NS	NS	NS	NS	NS	NS	229	355	121	311	85	154	125	154	103	149	82	159	111	146	92	223	305	243	237	227	182	228	177								
MERCURY	ug/L	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
NICKEL	ug/L	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.9	6.3	5.6	6.6	6.3	5.1	5.7	5.3						
SELENIUM	ug/L	50	9	9	12	10	6	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	6	ND	ND	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
SILVER	ug/L	100 (S)	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
SODIUM	mg/L	-	70.0	73.0	59.0	57.0	NA	NA	NA	NA	NA	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	94.7	78.8	90.7	92.4	97.0	96.8	98.8	98.4							
SULFIDE	mg/L	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
THALLIUM	ug/L	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
TIN	ug/L	-	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
VANADIUM	mg/L	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ZINC	ug/L	5000 (S)	20	20	10	ND	ND	ND	14	ND	ND	ND	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
VOLATILE ORGANICS VOC'S																																																
Method 8260	Varies	Varies	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	NS	NS	NS	NS	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	15.1	15.9	17.7	17.3	18.3	13.5	18.7	17.5								
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	NS	NS	NS	NS	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								
CONDUCTIVITY	umhos/cm	--	764	800	823	760	1000	1000	1000	975	940	NS	NS	NS	NS	NS	NS	980	1042	811	1162	903	1056	745	960	808	694	694	713	684	587	967	1002	975	764	799	1188	1188	1286	1272								

(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