

City of Lancaster, Ohio  
Division of Water  
South Wellfield Protection Program  
Historical Groundwater Quality Data

PARAMETERS	Units	MCL/SMCL/ ACTION LEVEL	MW-3																									
			May-02	Nov-02	May-03	Nov-03	May-04	Nov-04	May-05	Nov-05	May-06	Nov-06	May-07	Nov-07	Jul-08	Nov-08	May-09	Apr-15	Apr-16	Oct-17	Oct-18	Dec-18	Nov-19	Nov-20				
<b>INORGANICS</b>																												
MERCURY	ug/L	2.0	ND	ND	ND	ND																						
ANTIMONY	ug/L	6.0	ND	ND	ND	ND																						
ARSENIC	ug/L	10.0	8.8	ND	ND	ND	ND																					
THALLIUM	ug/L	2.0	ND	ND	ND	ND																						
BERYLLIUM	ug/L	4.0	ND	ND	ND	ND																						
CADMIUM	ug/L	5.0	ND	ND	ND	ND																						
CALCIUM	mg/L	--	99.2	53.6	50.5	55.1	54.7	56	55.3	54	53.1	56.5	55.2	47.1	56.4	51.4	53.1	50	56.8	58.2	57.9	47.1	55	52.2				
CHROMIUM	ug/L	100.0	ND	ND	ND	ND																						
COBALT	ug/L	--	ND	ND	ND	ND																						
COPPER	ug/L	1000 (S) / 1300 (A)	NA	NA	NA	NA																						
IRON	ug/L	300 (S)	818	1010	1040	1200	1310	1190	1160	1170	1230	1270	1320	1050	1450	1410	1390	BDL	ND	ND	ND	ND	ND	ND	120	ND		
LEAD	ug/L	15 (AL)	ND	ND	ND	ND																						
MAGNESIUM	mg/L	--	25.7	11.8	11	11.7	11.3	12.1	12.7	12	12.1	12.3	12.3	10.4	12.7	11.3	11.8	13	13.8	13.3	13				12.1	12		
MANGANESE	ug/L	50 (S)	164	56	70	62	79	56	53	87	83.3	70.2	72.6	64.7	72.2	52.6	59.6	125	100	87	116				88	93		
NICKEL	ug/L	--	ND	ND	ND	ND																						
SILVER	ug/L	100 (S)	ND	ND	ND	ND																						
TIN	ug/L	--	ND	ND	ND	ND																						
VANADIUM	mg/L	--	ND	ND	ND	ND																						
ZINC	ug/L	5000 (S)	ND	ND	ND	ND																						
NITRATE	mg/L	10	ND	ND	0.05	ND	ND	ND	ND																			
NITRITE	mg/L	1	ND	ND	ND	0.08	ND	ND	ND	ND																		
CHLORIDE	mg/L	250 (S)	29	56	59	56	53	63	59	58.4	63.7	55.9	61.4	55	56.2	61.9	61.3	54.5	56.8	54.9	53.4				55.2	56		
C.O.D.	mg/L	--	45	5	6	ND	ND	ND	11	ND	ND	ND	ND	11.2	ND	ND	16.1	ND	ND	ND	ND				ND	34.9		
NITROGEN, AMMONIA	mg/L	--	0.16	0.55	0.51	0.52	0.49	0.66	0.49	ND	0.5	0.6	0.5	0.4				0.5	0.5									
CYANIDE	mg/L	0.2	ND	0.344				ND	ND	ND																		
SELENIUM	ug/L	50																								ND		
SULFIDE	mg/L	--	ND	1.3	ND	ND	ND	ND																				
<b>VOLATILE ORGANICS VOC'S</b>																												
Method 8260	ug/L	Varies	ND	ND	ND	ND	ND																					
<b>PESTICIDES</b>																												
Method 8081	ug/L	Varies	ND	ND	ND	ND	ND																					
<b>HERBICIDES</b>																												
Method 8151	ug/L	Varies	ND	ND	ND	ND	ND																					
<b>FIELD PARAMETERS</b>																												
STATIC WATER LEVEL	* from reference point																											
Temperature	°C		12.9	12.9	12.8	12.3	12.6	12.8	13.5	NA	13.5	12.9	14.5	12.5	14.1	13.2	15.1	14.9	14.7	12.2	13.4				12.3	13.1		
pH	S.U.	6.5-8.5 (S)	7.55	7.52	7.54	7.67	6.96	7.57	7.53	NA	7.53	7.57	7.79	7.76	7.66	7.65	7.72	7.57	7.65	7.74	7.85				7.6	7.63		
Specific Conductance	umhos/cm	--	600	604	514	627	601	596	464	NA	549	528	546	522	491	579	624	587	652	640	646				634	622		

(S) = Secondary Maximum Contaminant Level

(A) = Action Level

(O) = Ohio EPA Primary Maximum Contaminant Level

D = DETECTED

ND = NOT DETECTED

NA = NOT ANALYZED

NM = NOT MEASURED