

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

PARAMETERS	Units	MCL/SMCL/ ACTION LEVEL	MW-2																									
			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	Nov-19	DUP-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	6.8	6.9	6.7	5.8	6.7	6.3	5	6.8	7.3	ND	8	ND	6.3	7.9	5	6	3	ND	ND	ND	ND	ND	4			
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	--	95.2	79.4	72.7	75.3	76.7	80.6	81.2	69.7	76.5	82.1	79.5	74.4	76.3	70.6	73.5	62	75.2	74.3	76.1	73.6	72.6	68.4				
CHROMIUM	ug/L	100.0	ND	ND	ND	ND																						
COBALT	ug/L	--	ND	ND	ND	ND																						
COPPER	ug/L	1000 (S) / 1300 (A)	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND																
IRON	ug/L	300 (S)	767	754	796	525	349	346	238	482	652	440	310	485	200	384	647	ND	ND	ND	ND							
LEAD	ug/L	15 (AL)	ND	ND	ND	ND																						
MAGNESIUM	mg/L	--	25.2	23.1	21	22	22.1	23.9	24.7	21.1	23.8	24.5	24.4	22.5	23.3	21.1	22.4	21	23.2	22.1	20.8	20.9	20.5	20.1				
MANGANESE	ug/L	50 (S)	133	123	122	124	182	163	160	168	176	151	190	153	201	183	170	133	130	197	280	298	299	306				
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	ND	0.08	ND	0.1	ND	ND	ND	0.58	0.3	ND	ND	ND	ND	ND	ND	ND								
NITRITE	mg/L	1	ND	37	ND	ND	ND	ND	ND	ND	ND	ND	ND															
CHLORIDE	mg/L	250 (S)	52	50	49	48	51	58	58	64	48.4	41.2	49.2	60.3	37	45.8	50.1	ND	54.9	45.1	40.8	41.9	41.9	41				
C.O.D.	mg/L	--	ND	ND	7	7	ND	ND	8	ND	ND	37.2																
NITROGEN, AMMONIA	mg/L	--	0.21	0.22	0.14	0.18	0.12	0.16	0.16	ND	0.2	ND	0.2	0.2	0.2	0.2	0.3											
CYANIDE	mg/L	0.2	ND	ND	ND	ND																						
SELENIUM	ug/L	50																								ND		
SULFIDE	mg/L	--	ND	1.7	0.06	0.21	ND	0.14	ND	ND	ND	ND	ND															
<b>VOLATILE ORGANICS VOC'S</b>																												
Method 8260	ug/L	Varies	ND	D	ND	ND	ND	ND	ND	ND	ND	ND																
Method 8081	ug/L	Varies	ND	ND	ND	ND	ND																					
<b>NN</b>																												
Method 8151	ug/L	Varies	ND	D	ND	ND	ND	ND	ND																			
<b>FIELD PARAMETERS</b>																												
STATIC WATER LEVEL	* from reference point																		7.16	7.94	10.13	11.18	13.3			11.65		
Temperature	°C		12.8	13	13.4	12.5	12.9	13.1	13.9	NA	13.9	13.1	14.7	12.6	14.6	12.8	15.2	15.1	16.1	12.6	14.3	12.5				13		
pH	S.U.	6.5-8.5 (S)	7.63	7.52	7.47	7.72	7.04	7.59	7.55	NA	7.6	7.62	7.82	7.78	7.69	7.65	7.72	7.53	7.66	7.64	7.7	7.5				7.01		
Specific Conductance	umhos/cm	--	658	592	567	634	591	629	468	NA	529	507	530	532	460	517	632	601	633	628	613	603				588		

(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