

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

PARAMETERS	Units	MCL/SMCL/ ACTION LEVEL	MW-9																				
			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	Nov-20
INORGANICS																							
MERCURY	ug/L	2.0	ND																				
ANTIMONY	ug/L	6.0	ND																				
ARSENIC	ug/L	10.0	ND																				
THALLIUM	ug/L	2.0	ND																				
BERYLLIUM	ug/L	4.0	ND																				
CADMIUM	ug/L	5.0	ND																				
CALCIUM	mg/L	--	80.4	65.9	60	68.9	69.2	78.4	86.2	83.4	85.8	85	82.6	80.7	86.4	83.3	67.4	76	87.8	91.2	85.4	84.9	81.3
CHROMIUM	ug/L	100.0	ND																				
COBALT	ug/L	--	ND																				
COPPER	ug/L	1000 (S) / 1300 (A)	NA	ND	ND	ND	ND	ND															
IRON	ug/L	300 (S)	1510	1820	1700	1680	2080	1970	2020	2410	2580	2270	2300	2250	3070	2590	2110	ND	ND	ND	ND	ND	120
LEAD	ug/L	15 (AL)	ND																				
MAGNESIUM	mg/L	--	20.2	19.3	17.1	18.9	19.5	22.8	25.5	24.4	26	24.7	23.6	24.4	26	24.4	19.4	25	28	26.8	24.6	24.6	24.4
MANGANESE	ug/L	50 (S)	78	80	76	81	98	86	86	111	123	111	115	105	130	117	107	114	112	107	115	112	115
NICKEL	ug/L	--	ND																				
SILVER	ug/L	100 (S)	ND	4.1	ND																		
TIN	ug/L	--	ND																				
VANADIUM	mg/L	--	ND																				
ZINC	ug/L	5000 (S)	ND																				
NITRATE	mg/L	10	ND	0.07	0.16	0.25	ND																
NITRITE	mg/L	1	ND																				
CHLORIDE	mg/L	250 (S)	4	6	5	7	5	5	9	6.8	5.5	4.6	4.8	12.4	10.9	9.9	3.8	23.4	29.4	19.6	13.6	27.6	30
C.O.D.	mg/L	--	86	13	51	22	ND	9	16	ND	25.6	ND	20.1	27.2	ND	ND							
NITROGEN, AMMONIA	mg/L	--	0.36	0.3	0.44	0.3	0.23	0.34	0.34	ND	0.2	0.2	0.2	0.3	0.3	0.3	0.3						
CYANIDE	mg/L	0.2	ND																				
SELENIUM	ug/L	50																					ND
SULFIDE	mg/L	--	ND	2.5	ND	ND	ND	ND	0.27	ND	ND												
VOLATILE ORGANICS VOC'S																							
Method 8260	ug/L	Varies	ND																				
PESTICIDES																							
Method 8081	ug/L	Varies	ND																				
HERBICIDES																							
Method 8151	ug/L	Varies	ND																				
FIELD PARAMETERS																							
STATIC WATER LEVEL	* from reference point																	9.19	10.13	10.73	10.88	10.32	12
Temperature	°C		12.2	11.8	12.5	11.8	12.6	NA	13	NA	13.8	12.8	13.4	12.8	14.4	13.9	14.8	14	14.5	12.8	14.1	12.6	12.4
pH	S.U.	6.5-8.5 (S)	7.7	7.45	7.34	7.64	6.86	NA	7.49	NA	7.5	7.51	7.75	6.76	7.56	7.51	7.68	7.54	7.54	7.65	7.48	7.6	7.63
Specific Conductance	umhos/cm	--	450	437	447	470	462	NA	416	NA	482	459	455	464	443	429	469	580	505	593	585	606	609

(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