

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

MW-7

PARAMETERS	Units	MCL/SMCL/ ACTION LEVEL	MW-7																							
			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	ND	ND																					
ANTIMONY	ug/L	6.0	ND	ND	ND																					
ARSENIC	ug/L	10.0	ND	ND	ND																					
THALLIUM	ug/L	2.0	ND	ND	ND																					
BERYLLIUM	ug/L	4.0	ND	ND	ND																					
CADMIUM	ug/L	5.0	ND	ND	ND																					
CALCIUM	mg/L	--	146	123	122	130	135	128	144	137	116	132	133	124	118	105	108	133	113	129	108	94.6	83.3			
CHROMIUM	ug/L	100.0	ND	ND	ND																					
COBALT	ug/L	--	ND	ND	ND																					
COPPER	ug/L	1000(S) / 1300(A)	NA	ND	ND	ND	ND	ND	ND	ND	ND															
IRON	ug/L	300 (S)	918	2580	2460	2560	1230	1330	711	2020	1160	282	441	1230	362	556	ND	725	ND	ND	ND	ND	ND	ND	ND	
LEAD	ug/L	15 (AL)	ND	ND	ND																					
MAGNESIUM	mg/L	--	31.7	30.9	31	32.1	31.6	31.3	32.3	31.7	26.7	31.5	30.8	30.1	29.6	25.4	26.2	35.2	31.4	33.4	26.4	23.8	21.6			
MANGANESE	ug/L	50 (S)	192	139	155	157	209	270	141	385	180	155	210	400	122	265	166	311	214	306	318	456	329			
NICKEL	ug/L	--	ND	ND	ND																					
SILVER	ug/L	100 (S)	ND	ND	ND																					
TIN	ug/L	--	ND	ND	ND																					
VANADIUM	mg/L	--	ND	ND	ND																					
ZINC	ug/L	5000 (S)	ND	ND	ND																					
NITRATE	mg/L	10	0.42	0.58	1.84	1.69	1.73	0.66	2.24	ND	0.83	3	1.6	0.5	5.8	0.7	1	ND	0.62	0.41	0.9	ND	ND	ND	ND	
NITRITE	mg/L	1	0.12	ND	ND	ND																				
CHLORIDE	mg/L	250 (S)	28	30	30	32	23	36	47	40.4	35.1	25.1	78.7	41.3	26.3	36.3	53.5	91.6	43.1	73.5	46.6	31.4	17			
C.O.D.	mg/L	--	ND	ND	11	ND	ND	ND	5	ND	ND	ND	10	ND	47.9	ND	ND	ND	ND							
NITROGEN, AMMONIA	mg/L	--	0.1	0.11	ND	0.06	ND	0.09	ND	ND	ND															
CYANIDE	mg/L	0.2	ND	ND	ND																					
SELENIUM	ug/L	50																						ND	ND	
SULFIDE	mg/L	--	ND	0.47	ND	ND	ND	ND																		
VOLATILE ORGANICS VOC'S																										
Method 8260	ug/L	Varies	ND	D	ND	ND	ND	ND	ND	ND	ND															
PESTICIDES																										
Method 8081	ug/L	Varies	ND	ND	ND	ND																				
HERBICIDES																										
Method 8151	ug/L	Varies	ND	ND	ND	ND																				
FIELD PARAMETERS																										
STATIC WATER LEVEL	* from reference point																		19.93	18.95	19.2	20.4	20.2	21.4		
Temperature	°C		12.6	12.5	12.4	12.4	12.5	13.3	13	NA	13.6	13.5	13.5	13	13.9	13.7	14.7	14.6	14.6	12.6	14.6	13.2	12.6			
pH	S.U.	6.5-8.5 (S)	7.3	7.09	7.2	7.21	6.63	7.13	7.07	NA	7.16	7.14	7.36	7.31	7.16	7.16	7.26	7.17	7.19	7.37	7.34	7.32	7.41			
Specific Conductance	umhos/cm	--	760	736	580	848	746	763	607	NA	645	629	639	611	534	697	834	899	830	946	882	769	656			

(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