

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

MW-10

PARAMETERS	Units	MCL/SMCL/ ACTION LEVEL	MW-10																									
			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	0.25	ND	ND																						
ANTIMONY	ug/L	6.0	8.1	ND	ND																							
ARSENIC	ug/L	10.0	7	7.7	7.3	9.4	7.5	9.3	9.3	10.6	9.1	9.3	10.8	9.1	8.6	8.3	7.7	5	7	6	5	6	7					
THALLIUM	ug/L	2.0	ND	ND																								
BERYLLIUM	ug/L	4.0	ND	ND																								
CADMIUM	ug/L	5.0	ND	ND																								
CALCIUM	mg/L	--	78.1	62.7	58.5	61.3	65.8	67.7	67.4	63.7	64.8	68.2	65.6	72.4	70	72.1	66.2	73	88.4	94.7	85.7	83.5	76.4					
CHROMIUM	ug/L	100.0	ND	ND																								
COBALT	ug/L	--	ND	ND																								
COPPER	ug/L	1000 (S) / 1300 (A)	NA	BDL	ND	ND	ND	ND	ND	ND	ND																	
IRON	ug/L	300 (S)	710	989	700	933	861	912	709	971	816	1050	1080	1130	1000	1120	798	ND	ND	ND	97	353	548					
LEAD	ug/L	15 (AL)	ND	ND																								
MAGNESIUM	mg/L	--	18.4	18.1	16.3	17.1	18.2	19	19.8	18.4	19.3	19.5	18.8	21.5	20.6	21	18.9	23	26.4	27.7	24.3	24.3	22.7					
MANGANESE	ug/L	50 (S)	194	216	208	207	253	196	197	231	237	233	230	247	242	256	270	290	268	272	27	266	266					
NICKEL	ug/L	--	ND	ND																								
SILVER	ug/L	100 (S)	ND	ND																								
TIN	ug/L	--	ND	ND																								
VANADIUM	mg/L	--	ND	ND																								
ZINC	ug/L	5000 (S)	ND	ND																								
NITRATE	mg/L	10	ND	ND	ND	0.5	ND	ND																				
NITRITE	mg/L	1	ND	ND																								
CHLORIDE	mg/L	250 (S)	4	6	6	9	5	5	5	3.6	2.8	2.4	2.5	3.4	2.9	3.4	18.1	12.7	7.84	16.7	12.6	14.3	13					
C.O.D.	mg/L	--	ND	8	ND	ND	ND	6	ND	31.1	ND	25.4	ND	ND	ND	ND												
NITROGEN, AMMONIA	mg/L	--	0.09	0.06	ND	0.08	ND	0.06	0.05	ND	0.1	ND	ND	ND	ND													
CYANIDE	mg/L	0.2	ND	ND	ND	ND	ND	0.008	ND																			
SELENIUM	ug/L	50																					ND					
SULFIDE	mg/L	--	ND	ND																								
VOLATILE ORGANICS VOC'S																												
Method 8260	ug/L	Varies	ND	ND																								
PESTICIDES																												
Method 8081	ug/L	Varies	ND	ND																								
HERBICIDES																												
Method 8151	ug/L	Varies	ND	ND																								
FIELD PARAMETERS																												
STATIC WATER LEVEL	* from reference point																	8.82	9.34	10.35	10.48	10.4	10.4					
Temperature	°C		12.2	11.8	12.7	12	12.5	13.1	12.8	NA	13.5	12.9	13.5	12.6	13.5	13.4	14	13.9	14	12.7	13.4	12.2	12.1					
pH	S.U.	6.5-8.5 (S)	7.6	7.47	7.43	7.64	6.9	7.53	7.52	NA	7.52	7.5	7.8	7.73	7.63	7.56	7.65	7.47	7.51	7.71	7.56	7.58	7.63					
Specific Conductance	umhos/cm	--	440	416	424	435	427	427	326	NA	404	386	394	414	168	435	446	546	578	592	572	563	544					

(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