

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

PARAMETERS	Units	MCL/SMCL/ ACTION LEVEL	MW-6																				
			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	8.8	8.1	9.6	9.9	8.1	10.1	10.1	11.2	11.3	11	13.5	10.2	12.6	13.7	11.6	6	9	6	7	7	9
THALLIUM	ug/L	2.0	ND																				
BERYLLIUM	ug/L	4.0	ND																				
CADMIUM	ug/L	5.0	ND																				
CALCIUM	mg/L	--	94.4	76.3	74.7	76.2	79.4	80.2	84.3	81.8	79.2	89.5	78.6	75.9	83.2	78.5	77.3	72	86.6	89.6	84.7	80.7	75.5
CHROMIUM	ug/L	100.0	ND																				
COBALT	ug/L	--	ND																				
COPPER	ug/L	1000 (S) / 1300 (A)	NA	ND	ND	ND	ND	ND	ND														
IRON	ug/L	300 (S)	1460	1580	1600	1570	1780	1640	1500	1810	1810	1870	1690	1660	1830	1720	1660	ND	ND	ND	ND	ND	589
LEAD	ug/L	15 (AL)	ND																				
MAGNESIUM	mg/L	--	24.7	23.9	22.9	22.9	23.6	25.2	26.7	26.3	25.6	27.9	24.6	23.9	26.6	24.4	24.4	24	27.6	27.8	25.6	25.1	24
MANGANESE	ug/L	50 (S)	148	166	144	147	173	147	142	178	179	180	166	156	181	169	166	175	162	158	162	154	150
NICKEL	ug/L	--	ND																				
SILVER	ug/L	100 (S)	ND	7.9	ND																		
TIN	ug/L	--	ND																				
VANADIUM	mg/L	--	ND																				
ZINC	ug/L	5000 (S)	ND	ND	ND	ND	ND	46	ND														
NITRATE	mg/L	10	ND	ND	ND	0.08	0.07	ND															
NITRITE	mg/L	1	ND																				
CHLORIDE	mg/L	250 (S)	38	37	38	40	35	33	34	33.2	35.4	29.4	31.2	27.5	28.5	30.4	29.7	32.1	30.4	28.4	30.1	27.6	26
C.O.D.	mg/L	--	ND	ND	11	ND	ND	12	11	ND	ND	ND	ND	11.6	ND								
NITROGEN, AMMONIA	mg/L	--	0.15	0.14	0.08	0.13	0.07	0.13	0.11	ND	0.1	0.1	ND	ND	ND	ND							
CYANIDE	mg/L	0.2	ND	0.013	ND	ND	ND	BDL	ND	ND	ND	ND	ND										
SELENIUM	ug/L	50																					ND
SULFIDE	mg/L	--	ND	3	ND	ND	ND	ND	ND	0.1	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																	23.81	23.1	24.6	24.96	25.2	26.1
Temperature	°C		12.2	11.7	12.5	11.2	11.9	11.6	12.5	NA	13.1	12.4	12.8	11.8	13.9	13.1	14.4	13.5	14.0	11.9	13.0	12.0	11.6
pH	S.U.	6.5-8.5 (S)	7.40	7.35	7.51	7.58	6.85	7.63	7.46	NA	7.48	7.47	7.76	7.71	7.58	7.52	7.60	7.61	7.59	7.61	7.63	7.59	7.56
Specific Conductance	umhos/cm	--	590	598	499	614	580	607	442	NA	525	501	504	489	176	440	596	598	624	624	632	615	596

(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