

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

PARAMETERS	Units	MCL/SMCL/ ACTION LEVEL	MW-8																								
			May-02	Nov-02	May-03	Nov-03	May-04	Nov-04	May-05	Nov-05	Nov-06	May-07	Nov-07	Jul-08	Nov-08	May-09	Apr-15	Apr-16	Oct-17	DUP	Oct-18	DUP	Nov-19	Nov-20			
INORGANICS																											
MERCURY	ug/L	2.0	ND	ND	ND	ND	ND	ND	ND	ND																	
ANTIMONY	ug/L	6.0	7.1	ND	ND	ND	ND	ND	ND	ND	ND																
ARSENIC	ug/L	10.0	7.9	7.6	7.5	8.6	6.7	9	8.7	8.4	14.4	13.6	15.4	16.6	17.2	13.8	11	8	6	5	8	8	7	8			
THALLIUM	ug/L	2.0	ND	ND	ND	ND	ND	ND	ND	ND																	
BERYLLIUM	ug/L	4.0	ND	ND	ND	ND	ND	ND	ND	ND																	
CADMIUM	ug/L	5.0	ND	ND	ND	ND	ND	ND	ND	ND																	
CALCIUM	mg/L	--	54.1	43.2	44.5	44.9	46.5	47.9	48.6	55.2	56.4	50.2	82.5	53.7	55.2	71.6	92.6	93.4	108	106	91.7	92.5	74.7	97.5			
CHROMIUM	ug/L	100.0	ND	ND	ND	ND	ND	ND	ND	ND																	
COBALT	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND																	
COPPER	ug/L	1000 (S) / 1300 (A)	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND														
IRON	ug/L	300 (S)	1490	1680	1570	1670	1740	1690	1410	1780	1850	1760	2460	1910	1870	2380	566	ND	216	297	ND	ND	176	412			
LEAD	ug/L	15 (AL)	ND	ND	ND	ND	ND	ND	ND	ND																	
MAGNESIUM	mg/L	--	13.2	12.2	12	12.1	12.3	12.9	13.4	14.7	14.2	12.7	20.6	14.1	13.9	17.8	24	27.8	32.2	31.5	26	26.2	21.1	27.8			
MANGANESE	ug/L	50 (S)	134	132	134	131	170	133	120	150	67.3	77.4	93.7	85.6	75.7	90.3	154	139	158	155	133	133	108	164			
NICKEL	ug/L	--	ND	12.5	ND	ND	ND	ND	ND	ND	ND	ND															
SILVER	ug/L	100 (S)	ND	ND	ND	ND	ND	ND	ND	ND																	
TIN	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND																	
VANADIUM	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND																	
ZINC	ug/L	5000 (S)	ND	ND	ND	ND	ND	ND	ND	ND																	
NITRATE	mg/L	10	ND	ND	ND	0.08	ND	ND	ND	ND	ND	ND	ND	ND													
NITRITE	mg/L	1	ND	ND	ND	ND	ND	ND	ND	ND																	
CHLORIDE	mg/L	250 (S)	4	5	6	7	5	5	7	6.3	2.5	2.1	48.7	3.2	7.7	24.6	117	127	127	98	35	33	9.52	64			
C.O.D.	mg/L	--	17	5	ND	ND	ND	6	ND	27.4	ND	20.1	ND	41.6	44	ND	ND										
NITROGEN, AMMONIA	mg/L	--	0.06	ND	ND	0.06	ND	0.06	0.06	ND	0.3	0.3	0.3	0.2	0.3	0.3	0.3	ND	0.3								
CYANIDE	mg/L	0.2	ND	0.0055	ND	ND	ND	0.013	ND	ND	ND																
SELENIUM	ug/L	50																							ND		
SULFIDE	mg/L	--	ND	0.08	ND	ND	0.15	0.17	ND	ND	ND																
VOLATILE ORGANICS VOC'S																											
Method 8260	ug/L	Varies	ND	ND	ND	ND	ND	ND	ND	ND	ND																
PESTICIDES																											
Method 8081	ug/L	Varies	ND	ND	ND	ND	ND	ND	ND	ND	ND																
HERBICIDES																											
Method 8151	ug/L	Varies	ND	ND	ND	ND	ND	ND	ND	ND	ND																
FIELD PARAMETERS																											
STATIC WATER LEVEL	* from reference point																										
Temperature	°C		12.2	12	12.6	11.6	12.6	NA	13	NA	13.4	14	13.7	15.8	14.7	16.9	15.3	13.7	13.5	13.5	15.0	15.0	13.1	12.7			
pH	S.U.	6.5-8.5 (S)	7.4	7.44	7.34	7.54	6.84	NA	7.45	NA	7.6	7.87	7.72	7.64	7.62	7.67	7.38	7.5	7.56	7.56	7.37	7.37	7.48	7.44			
Specific Conductance	umhos/cm	--	320	314	346	330	332	NA	254	NA	300	187	458	168	173	511	882	965	1030	1030	827	827	528	822			

(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