

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

PARAMETERS	Units	MCL/SMCL/ ACTION LEVEL	MW-1																						
			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																					
ANTIMONY	ug/L	6.0	ND	ND																					
ARSENIC	ug/L	10.0	8	8.4	7.1	7.4	6.9	8.3	8.2	8.9	8.3	9.3	11.2	7	9.9	11.6	9.3	6	8	5	7	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	--	94.7	74.8	68.8	73.1	75.9	78.3	80.8	71	72.3	77.1	77.3	73.2	78.4	11.6	75.6	62	76	79.8	77.6	75.2	70.6		
CHROMIUM	ug/L	100.0	ND	ND																					
COBALT	ug/L	--	ND	ND																					
COPPER	ug/L	1000 (S) / 1300 (A)	NA	ND	ND	ND	ND	ND	ND																
IRON	ug/L	300 (S)	1540	944	937	911	1020	880	848	947	1010	975	1040	970	1070	986	1010	ND	ND	ND	ND	90	154		
LEAD	ug/L	15 (AL)	ND	ND																					
MAGNESIUM	mg/L	--	24.9	21.8	20.2	21.2	21.6	23.1	24.3	21.4	22.4	23.1	23.7	22.2	24.2	21.2	23.1	21	25.2	24.1	23.1	22.6	21.6		
MANGANESE	ug/L	50 (S)	108	123	120	122	146	116	111	142	143	139	152	132	153	143	143	133	130	124	130	123	126		
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																					
NITRITE	mg/L	1	ND	37	ND	ND	ND	ND	ND	ND															
CHLORIDE	mg/L	250 (S)	16	15	25	24	22	23	24	19	19.7	17.4	18.6	21.3	22.6	24.1	27.6	ND	33.3	31.4	35.9	33.3	32		
C.O.D.	mg/L	--	ND	32.5																					
NITROGEN, AMMONIA	mg/L	--	0.07	0.09	ND	0.05	ND	ND	0.07	ND	0.1	ND	ND	ND	ND										
CYANIDE	mg/L	0.2	ND																						
SELENIUM	ug/L	50																					ND		
SULFIDE	mg/L	--	ND	1.7	0.06	ND	ND	ND	ND	ND	ND														
VOLATILE ORGANICS VOC'S																									
Method 8260	ug/L	Varies	ND	D	ND	ND	ND	ND	ND	ND															
PESTICIDES																									
Method 8081	ug/L	Varies	ND	ND																					
HERBICIDES																									
Method 8151	ug/L	Varies	ND	0.6	ND	ND																			
FIELD PARAMETERS																									
STATIC WATER LEVEL	* from reference point																		6.48	7.24	8.19	8.3	8.15	8.9	
Temperature	°C		12.8	12.6	13.2	12.1	12.7	13.2	13.4	NA	13.3	13	14.4	12.6	14.3	13.1	15.3	15.1	14.8	12.6	13.8	12.9	13		
pH	S.U.	6.5-8.5 (S)	7.55	7.42	7.38	7.58	6.92	7.46	7.44	NA	7.46	7.46	7.73	7.63	7.57	7.53	7.57	7.54	7.56	7.62	7.66	7.66	7.48		
Specific Conductance	umhos/cm	--	545	499	480	536	512	518	398	NA	466	452	472	451	183	463	544	543	586	576	593	579	571		

(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