

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

PARAMETERS	Units	MCL/SMCL/ ACTION LEVEL	MW-5D																																										
			Oct-95	Jan-96	Apr-96	Jul-96	Feb-97	Apr-97	Jul-97	Oct-97	Jun-98	Dec-98	Jul-99	Aug-00	Nov-00	May-01	Oct-01	May-02	May-03	Nov-03	May-04	Oct-04	May-05	Nov-05	Jun-08	Apr-15	Apr-16	Oct-16	Apr-17	Oct-17	Apr-18	Oct-18	Apr-19	Oct-19	Jun-20	Oct-20	May-21								
INORGANICS																																													
ALUMINUM	mg/L	50 to 200 (S)	ND	ND	90	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	57	ND	8																										
ANTIMONY	ug/L	6	ND	ND	ND	ND	4.20	ND	5.00	ND	ND	ND	ND	ND																															
ARSENIC	ug/L	10.0	7.0	27.0	22.0	14.6	47.0	47.0	49.0	44.0	42.0	53.0	53.0	24.2	41.0	34.0	42.0	29.5	26.3	26.4	24.5	28.8	27.5	32.3	38.7	11.0	15.0	12.5	14.5	10.0	10.0	18.0	11.0	51.0	15.1	11.6	14.0								
BARIIUM	ug/L	2000	120	190	110	ND	160	180	180	170	179	170	168	175	163	183	169	NA	134	115	111	117	114	119	126	123	165	156	123	130															
BERYLLIUM	ug/L	4.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
CADMIUM	ug/L	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
CALCIUM	mg/L	--	72.0	73.0	69.0	74.0	72.0	74.0	75.0	79.0	62.0	77.0	77.0	73.7	82.0	84.0	77.0	109.0	81.6	88.1	82.6	79.8	87.5	81.3	81.3	79.2	87.4	93.0	91.7	87.7	87.0	85.4	88.1	91.3	84.6	82.8	83.9								
CHROMIUM	ug/L	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
COBALT	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
COPPER	ug/L	1000 (S) / 1300 (A)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND																						
CYANIDE	mg/L	0.2	ND	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND																																
IRON	ug/L	300 (S)	1500	4100	3100	2600	8400	8200	7500	7100	8200	7700	7600	7540	8270	8230	7870	7080	7260	6980	7100	7130	7090	7730	7490	ND	ND	ND	ND	176	89	ND	ND	7800	5560	ND	ND	ND	ND	ND	ND				
LEAD	ug/L	15 (A)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
MAGNESIUM	mg/L	--	24.0	25.0	25.0	26.0	25.0	26.0	26.0	23.0	27.0	26.0	24.9	26.0	27.0	28.0	33.0	27.3	28.4	24.9	28.0	28.9	28.6	27.8	30.0	31.4	33.5	31.3	29.1	29.0	29.3	29.8	30.5	28.5	28.7	28.7									
MANGANESE	ug/L	50 (S)	270	240	240	240	290	310	290	280	313	292	291	316	330	340	330	317	303	287	293	284	292	315	351	283	283	287	301	272	273	265	274	266	272	266	249								
MERCURY	ug/L	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.00	ND	ND	ND	ND	ND	ND	ND																						
NICKEL	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
POTASSIUM	mg/L	--	1.40	1.10	1.20	<5	1.00	1.00	0.91	NA	ND	ND	ND	ND	ND	ND	ND	1.10																											
SELENIUM	ug/L	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
SILVER	ug/L	100 (S)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
SODIUM	mg/L	--	4.90	5.30	7.20	9.10	NA	ND	5.0	7.2	6.1	5.8	6.0	6.4	6.2	6.8	6.5	6.6	6.9																										
SULFIDE	mg/L	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND														
THALLIUM	ug/L	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
TIN	ug/L	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND														
VANADIUM	mg/L	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.00
ZINC	ug/L	5000 (S)	20.00	ND	20.00	ND	ND	21.00	ND	ND	ND	ND	ND	ND	ND	ND	ND																												
VOLATILE ORGANICS VOC'S																																													
Method 8260	Varies	Varies	ND	D ¹	ND	D ²	ND	ND	ND	ND	ND	ND	ND	ND																															
D ¹ - Carbon Disulfate (6 ug/l), D ² - Carbon Disulfate (2 ug/l)																																													
FIELD PARAMETERS																																													
STATIC WATER LEVEL	* from reference point																																												
TEMPERATURE	°C	--	16.10	16.10	17.80	16.10	11.70	10.00	13.30	12.80	13.30	13.30	NM	18.80	10.20	13.30	13.20	14.10	13.40	13.20	13.70	13.20	13.60	13.90	14.10	3.97	5.30	6.47	4.67	5.99	3.55	4.90	5.90	6.95	5.20	4.75	4.50								
pH	S.U.	6.5-8.5 (S)	7.50	7.70	7.30	7.70	7.70	7.80	6.80	7.60	7.40	7.50	7.50	7.38	7.36	6.60	7.50	7.47	7.30	7.48	7.58	7.39	7.54	7.49	7.52	NA	7.48	7.47	7.21	7.44	7.38	7.25	6.22	7.60	7.21	7.28	7.77								
CONDUCTIVITY	umhos/cm	--	413	367	470	450	600	640	600	560	570	600	530	570	630	580	600	590	554	650	581	623	450	632	477	NA	573	478	512	637	641	617	683	627	635	645	616								

(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