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

PARAMETERS	Units	MCL/SMCL/ ACTION LEVEL	MW-2																																					
			Oct-95	Jan-96	Apr-96	Jul-96	Feb-97	Apr-97	Jul-97	Oct-97	Jun-98	Dec-98	Jul-99	Apr-00	Nov-00	May-01	Oct-01	May-02	Nov-02	May-03	Nov-03	May-04	Oct-04	May-05	Nov-05	Apr-06	Oct-06	May-07	Nov-07	Jun-08	Nov-08	Jul-09	Apr-15	Apr-16	Oct-16	Apr-17	Oct-17	Apr-18	Oct-18	* Apr-19
INORGANICS																																								
ALUMINUM	mg/L	50 to 200 (S)	970	700	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	NS
ANTIMONY	ug/L	6.0	ND	ND	ND	ND	4.6	ND	4.8	7.4	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	NS
ARSENIC	ug/L	10.0	ND	8.0	6.0	ND	12.0	10.0	7.8	1.1	8.2	18.0	9.6	9.8	7.0	10.0	10.0	9.0	7.6	7.9	5.4	6.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
BARIUM	ug/L	2000	50	28	14	ND	ND	ND	28	19	33	30	34	35	33	37	36	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	74	55	50	67	68	72	70	NS
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	NS
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	NS
CALCIUM	mg/L	--	130	260	210	150	140	130	120	113	109	150	136	136	110	140	120	119	113	128	124	123	118	138	111	125	127	133	115	122	116	114	176	131	130	124	120	120	123	NS
CHROMIUM	ug/L	100.0	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	NS
COBALT	ug/L	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
COPPER	ug/L	1000 (S) / 1300 (A)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	NS
CYANIDE	mg/L	0.2	ND	NA	NA	NA	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	NS
IRON	ug/L	300 (S)	2600	6200	1700	202	2400	1800	1400	1600	1700	4300	1300	2760	<50.0	1950	760	2380	1380	2010	217	1360	589	81	ND	ND	125	ND	465	505	445	437	99	136	ND	ND	ND	ND	ND	NS
LEAD	ug/L	15 (A)	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	NS
MAGNESIUM	mg/L	--	35.0	71.0	58.0	43.0	36.0	37.0	33.0	33.0	34.0	45.0	38.0	39.0	34.0	38.0	36.0	36.3	34.3	36.4	34.6	35.9	37.5	41.4	35.3	39.9	39.8	40.9	36.5	38.6	37.1	36.7	41.8	45.4	42.1	39.3	37.7	38.0	38.4	NS
MANGANESE	ug/L	50 (S)	300	620	380	<15.0	170	150	120	120	120	152	162	113	100	100	90	83	103	73	58	69	151	86	96	146	149	215	177	240	235	261	189	226	200	297	427	472	526	NS
MERCURY	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	NS
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	NS
POTASSIUM	mg/L	--	8.6	5.5	5.4	7.8	7.1	7.6	7.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.8	7.7	6.6	8.4	8.2	7.0	6.8	NS
SELENIUM	ug/L	50.0	14.0	9.0	11.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
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	NS
SODIUM	mg/L	--	33	55	55	46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	114	51.2	57.2	41.6	39.7	40.0	41.6	NS
SULFIDE	mg/L	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.0	ND	2.0	ND	ND	ND	ND	ND	ND	ND	ND	1.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.05	0.06	ND	ND	NS
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	0.5	0.5	ND	ND	ND	0.5	ND	ND	ND	ND	ND	ND	ND	NS
TIN	ug/L	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	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	NS
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	NS
ZINC	ug/L	5000 (S)	30	70	ND	ND	ND	ND	ND	25	13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	15	16	ND	ND	12	NS
VOLATILE ORGANICS VOC'S																																								
Method 8260	Varies	Varies	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	NS
FIELD PARAMETERS																																								
STATIC WATER LEVEL	* from reference point																																27.05	27.23	28.18	26.73	27.75	28.05	27.07	NS
TEMPERATURE	°C	--	20.6	14.4	14.8	17.8	13.9	13.9	14.4	14.4	15.6	13.9	NM	15.0	8.9	15.5	14.3	15.4	14.7	15.5	13.8	15.4	15.2	15.3	15.7	15.7	15.2	16.1	15.7	15.6	16.0	16.6	17.4	17.5	21.7	16.3	17.3	12.9	17.4	NS
pH	S.U.	6.5-8.5 (S)	7.1	7.5	7.1	7.9	7.1	7.4	7.2	7.4	7.20	7.20	7.20	7.70	7.22	6.60	7.60	7.30	7.29	7.12	7.40	6.66	7.05	7.12	7.13	7.09	7.14	7.06	7.08	7.11	7.10	7.20	7.11	7.16	7.07	7.03	6.94	7.03	7.52	NS
CONDUCTIVITY	umhos/cm	--	796	1270	1460	850	1100	1100	1200	1000	870	1000	930	1010	1149	890	970	890	877	791	962	806	965	798	891	721	647	681	655	633	571	834	1174	1039	776	731	993	1008	985.7	NS

* 4/2019 - NS - Monitoring Well black topped over

(S) = Secondary Maximum Contaminant Level

(A) = Action Level

(O) = Ohio EPA Primary Maximum Contaminant Level

D = DETECTED

ND = NOT DETECTED

NA = NOT ANALZED

NM = NOT MEASURED